

ONLY £2.50

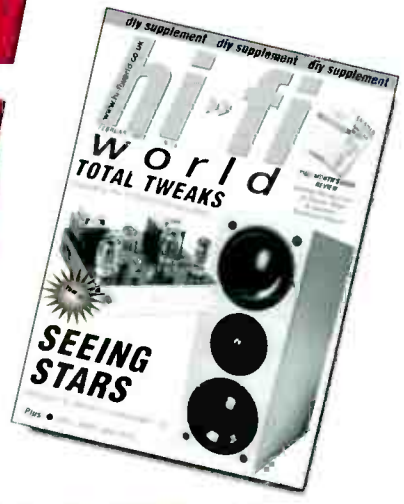
www.hi-fiworld.co.uk

# hi-fi

FEBRUARY 2001

£2.50

WORLD



## & computer audio

### DAB or FM?



New Videologic DAB tested against Denon VHF FM tuner



### Cyrus Debut

The CLS70 - first speaker from Cyrus

FEBRUARY 2001

plus

- Main Flat 5 amplifier
- Kenwood DPF-30305 CD
- Exposure 2010 Hi-Fi portable amplifier

- Mission m71 speakers
- T+A 1210R DVD
- Tannoy Feature
- £100+ Interconnects

#### • Computer Audio World

- All the latest news from webworld
- Creative Labs DAP-Jukebox
- Turtle Beach Montego II
- E-Music Goes East

**COMPETITION**  
win a pair of  
Mission 783  
loudspeakers



9 770961 766093

+ 100s of classified ads full of secondhand bargains!!!

# mercury mX

E V E R Y   B I T   B E T T E R



**HomeEntertainment**  
AWARDS 2000  
**WINNER**  
MERCURY MX1  
BEST SPEAKER  
FRONT-OR-REAR



Tannoy monitors are highly sought after across the world in the professional music recording industry. We have also supplied many famous film production studios ever since sound made its way into the movies. This know-how from satisfying the worlds most discerning listeners goes into the new Tannoy Mercury mX range. Great speakers for hi-fi and home cinema. Speakers that are every bit better than the rest

**TANNOY**  
OUTRACING SOUND BARRIERS

For free literature on the mercury mX range from Tannoy, call 01753 680868 [www.tannoy.com](http://www.tannoy.com)



**HI-FI WORLD**

SUITE G4, IMEX HOUSE  
KILBURN PARK ROAD  
LONDON, NW6 5LF

[www.hi-fiworld.co.uk](http://www.hi-fiworld.co.uk)

**Contact Numbers**  
Mon-Fri 9am - 5pm

**General Editor**  
Simon Pope  
tel/fax: +44 (020) 8786 8141  
e-mail: editorial@hi-fiworld.co.uk

**Computer Audio World Editor**  
David Price  
e-mail: edtorial@computeraudio.co.uk

**Graphic/Advertising Designer**  
Tyron Taylor  
tel: +44 (020) 7625 3129  
fax: +44 (020) 7328 1844  
e-mail: adproduction@hi-fiworld.co.uk

**Production/Photography Editor**  
David Noble  
tel: +44 (020) 7625 3134  
fax: +44 (020) 7328 1844  
e-mail: classifieds@hi-fiworld.co.uk

**Advertising & Marketing Manager**  
Amanda Sweeney  
tel/fax: +44 (020) 8864 4760  
e-mail: advertising@hi-fiworld.co.uk

**Accounts**  
Michael Ogazi  
tel: +44 (020) 7625 8032  
fax: +44 (020) 7328 1844

**Credit Control**  
Louise Palfrey  
tel: +44 (0) 1923 270833  
fax: +44 (0) 1923 260588  
e-mail: subscriptions@hi-fiworld.co.uk

**WORLD AUDIO DESIGN**  
Technical Manager - Nick Lucas

[www.worldaudiodesign.co.uk](http://www.worldaudiodesign.co.uk)

tel/fax: +44 (0) 1908 218 836  
e-mail: nick@worldaudiodesign.co.uk

**Publisher**  
Noel Keywood  
e-mail: publisher@hi-fiworld.co.uk

**Private & Trade Classified Ads**  
tel: +44 (020) 7625 3134  
fax: +44 (020) 7328 1844  
e-mail: classifieds@hi-fiworld.co.uk

**Subscriptions & Back Issues**  
9:30am - 12:00 noon  
tel: +44 (0) 1923 270833  
fax: +44 (0) 1923 260 588  
e-mail: subscriptions@hi-fiworld.co.uk

Distributed by  
Comag Magazine Marketing,  
Tavisstock Road, West Drayton,  
Middlesex UB7 7QE  
Tel: +44 (0) 1895 444 055

Printed by  
Southern Print, Dorset  
Tel: +44 (0) 1202 622 226

All unsolicited submissions and goods are at the owner's risk. We accept no responsibility for such submissions, nor do we undertake to return them.

No material may be reproduced from this magazine with the publisher's written permission.  
© Audio Publishing Ltd



**A**nother year, loads more gear, as we say in the hi-fi business. As every twelve months pass, so us stalwart reviewers encounter yet more new technology to fuel our burning fire for all that is audiophile. Not this year, however. The only gear that's made me want to raid the Pope piggy bank has been resolutely traditional - even retro - in design, and come from the likes of KEF and Quad. Maybe it's just me getting on a bit - pipe and slippers and all that - or maybe it's that 'real' hi-fi has come to the end of its natural life, SACD and DVD-A or not?

It's a bit like the gradually decaying classical recording industry. Who needs another version of a popular seller like Beethoven's Ninth? Although a new rendition may add a bit more spright or insight, you can't help thinking it's all been done before. The enormous back catalogue of recordings statistically dictates this and the real musical enjoyment is invariably found in these earlier recordings.

Likewise, another £500 integrated amplifier arrives on the doorstep, for example, and it's good - very good - but it still doesn't overwhelm in the way it should. Reading David Price's column this month, it seems I'm not alone in this view. Maybe the whole point of our hobby is that we have to regress to progress? Indeed, browsing through an old 1997 copy of World I came across DP writing about the forthcoming format war between SACD and DVD Audio. That was three years ago and DVD-A still has to materialise in a viable form!

It appears the recording industry has put the mockers on the whole thing - how many people are going to buy these discs when they finally arrive? Something else will probably have come along in the meantime anyway. Of course, SACD is here at last and it's great. You can even buy it in Richer Sounds, but I still fear it's yet to achieve any real market penetration. Pop into any record store, no matter how big, and ask if they have any SACD discs? You'll be greeted with a blank expression as they fumble for the security alarm under the counter.

No, I'm more interested in the technology

involved in new formats, than seeing them as outlets for my particular musical edification. These days that comes from records I love fed into vacuum tubes and large black radiators with Quad badges on the front. Tweaking is fine but in my experience the best upgrade is to pop down the local for a couple of swift halves and come back to your record collection with your mates. Your hi-fi will have never sounded so good, trust me. It's not that I'm cynical, I just get my musical fix trawling through old vinyl played on traditional hi-fi.

You may be thinking, if this is his view then why is he doing this job? Well, I can still appreciate the qualities of many new products on the market, like Naim's brand new Nait 5 or Linn's Genki/ Kollektor/ LK 140/ Ninka combination, plus a number of modern reworkings of older, classic designs like Quad's ESL-988. Indeed, the first 'proper' hi-fi I ever encountered was courtesy of a musical mate in Carshalton with a Micro Seiki DDX-1000 turntable, Quad IIs and a pair of ESL-57s. After a long introduction to the fineries of this particular set up, he treated me to a privileged earful of this Bacchanalian luxury. "Where's the bass?", I thought. "Call that hi-fi!" I must admit to have been far more taken with the esoteric look of the system than with the sound emanating from it.

Encountering the new Quad electrostatics and valve amps was enlightening stuff. After a few stints in both the performing and professional audio side of things, not to mention a few years of listening to a lot of hi-fi, I was smitten. A pair now proudly sit in my listening room, with slightly more bass than I remember!

Valves and electrostatics and the ripe young age of 32? If you'd have told me that five years ago I would have chortled merrily. Now, you'd better believe it! ■



Simon Pope

**how we test the products**

- Hi-Fi World has its own advanced test laboratory and acoustically treated listening room.
- Hi-Fi World has a dedicated in-house team of experienced listeners. We review thoroughly by extensive auditioning, rather than by quick-fire group listening tests.
- Hi-Fi World's engineering team designs a wide range of products in-house. No other hi-fi magazine is so expert and dedicated.

- £ ——— NICE PRICE - Represents
- EXCELLENT - Superb sound
- ——— VERY GOOD
- ——— ADEQUATE - Room for improvement
- ——— POOR - Seriously flawed. Forget it!
- ——— Half globes are added for those products that we feel are between categories

# contents

## reviews tuners



VIDEOLOGIC DAB v DENON VHF/FM TUNER 10  
Noel Keywood assesses the new budget DAB tuner from a multimedia manufacturer and puts it against Denon's finest

## cd/dvd players

KENWOOD DPF3030S  
CD PLAYER 14



Dominic Todd listens to the latest budget player Kenwood.

T+A DVD1210R DVD  
PLAYER 40



This stylish high tech player from Germany promises to be a real audiophile DVD treat. Simon Pope check its credentials.

## amplifiers

DENON PMA-355UK 16



The replacement for Denon's successful PMA-350 has arrived. Dominic Todd sees if it has its predecessor's quality.

EXPOSURE 2010  
TITANIUM 21



Exposure return to the fold with a new integrated. Simon Pope listens with interest.

NAIM NAIT 5 37



The Nait 5 is the brand new entry level integrated from Salisbury's finest. David Price does the honours.

CYRUS CLS70 24



The first loudspeaker from Cyrus is a stylish looking affair. Simon Pope discovers whether they have a sound to match.

## loudspeakers



MISSION  
m71 19

These are the new £120 budget boxes from Mission. Noel Keywood listens in.

## accessories

CABLES 66

Simon Pope checks out five interconnects over £100



## features

TANNOY HISTORY 26

David Price takes us through the company's rich heritage and interviews the chief designer.

OLDE WORLDE 35

David Price waxes lyrical over Tannoy's gargantuan Westminster 'speakers.





# A DAB HAND



Is DAB radio good value at £299? That's the price of Videologic's new DRX-601E.

**T**he release by Videologic of a DAB tuner priced at £299, the new DRX-601E, potentially brings a new dynamic to Digital Audio Broadcasting. Until now it has been languishing, with tuner prices of £500-£800 or more.

To see how Videologic's new tuner changes things, we tested it against a quality VHF/FM tuner from Denon, the TU-S10, priced at £350. Denon specialise in broadcast equipment in Japan, producing fine tuners.

Is VHF/FM still worth buying, or is it just way out of date in a digital age, as broadcasters tell us?

## VIDEOLOGIC DRX-601E

Styling isn't a word you'd use for the DRX-601E. It is a functional black box built by standard industry method, using a

nicely and there's remote control. Inside lies one main board with tightly packed surface mount components, dedicated Panasonic DAB chips and a 'Made in Japan' head unit.

Videologic supply a simple wire aerial. I hung the ends vertically from a nearby wall fitting, as many people will, and pressed Autotune. The receiver told me to wait then came up with BBC stations only. This was in a first floor room, brick building, Central London, a normal enough location.

After wire twiddling the weaker commercial station ensemble arrived, but not all programmes, like The Lounge, surprisingly.

My rooftop aerials supply VHF and UHF at 1-10 millivolts. The UHF TV aerial gave the best DAB signal but still got only four segments

of the Videologic's 16 segment signal strength meter to light. In

theory at least, this is good enough and finally The Lounge arrived.

The tuning knob simply scrolls the tuner between all the pre-tuned stations: twist to tune, press to select. It was a delightfully easy and reasonably self-evident process.

Unpreprocessing it may be, but this tuner has a good range of facilities. The normal user will appreciate the scrolling display of the track being played (where the station provides such info.) plus station name and type (Rock, Sport, etc). The technically minded can use the signal strength

meter to assess aerial effectiveness. There's also data rate and channel number.

At rear the Videologic has a 75ohm F Type aerial input - not common in Britain - an SP/DIF digital output (co-axial and optical), audio output and audio input for loop through of an analogue tuner. I connected the SP/DIF to an external DAC to see how this affected sound quality, but there was virtually no difference.

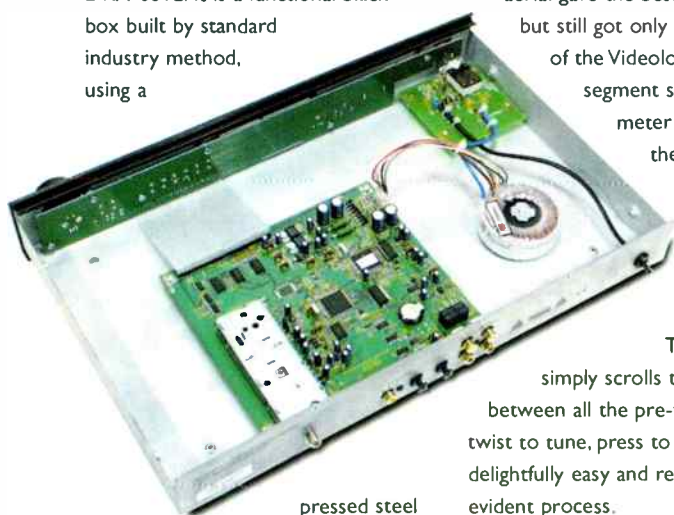
From the outset it was clear to me that the DRX-601E had a fine sense of clarity and delivered, tight bass of good quality. VHF tuners are often weak here. A Hitachi FT-5500 tuner - good technology but now a little old - got close to the DRX-601E but consistently sounded a little fuzzy or soft by comparison, although at times a little more fulsome too. Even in its day though, the Hitachi was more a technical marvel than a revelation in sound quality. This shows, however, that the Videologic will outrun an old tuner.

Denon's TU-S10, however, was on a different level to the Hitachi.

## DENON TU-S10

Designed, Denon say, for Europe's now crowded VHF/FM airwaves (sardine packed in London) the TU-S10 has a 'six gang' front end for high selectivity. Denon don't say much about the IF stage or demodulator, but they would not skimp. The chassis is copper plated internally, something the Japanese deeply believe in, to reduce surface currents.

The TU-S10 offers medium wave and VHF/FM. It has 40 station memories, so it can recall as slickly as



pressed steel chassis, steel cover and extruded front panel. With just one tightly packed main circuit board inside and a small toroidal mains transformer the unit is light and easy to place, aided by reasonably compact dimensions of 430mm wide, 310mm deep and just 59mm high. It stacks

## MADONNA NETWORKED

▶ An estimated 9 million Internet users around the world watched an exclusive Madonna webcast sponsored by Microsoft late last November, according to event organisers. Despite widespread reports of problems with fans trying to access the streamed event because of technology glitches, the webcast still ranks as the largest such musical event ever. The previous record holder was the Microsoft-sponsored

Paul McCartney webcast that drew about 3 million users. Madonna performed for about half an hour, one of her few live shows since last September's release of her new album, 'Music'. Interestingly, Madonna wasn't paid for the event, but stands to generate substantial income from follow on CD and merchandise sales available from Microsoft's website, [www.msn.co.uk](http://www.msn.co.uk)

## HIGH 5 FROM NAIM

▶ It appears Naim Audio is prepared to stake a claim for the mid-price market. Following the launch of the first two components in the new look 5 Series, the Nait 5 integrated and CD5 CD player, Naim has announced the arrival of the new NAC112 and NAP 150 entry-level pre and power amplifiers. Both amps have the black finished, low vibration aluminium casework of the Nait 5 and CD5.

The NAC112 attempts to combine the best characteristics of Naim's excellent top-of-the-range preamps and deliver them in a £625 package. It has a discreet resistor ladder volume and balance control, managed by microprocessor. A dedicated powered output on the 112 is saved for an outboard Naim phono stage and all six line inputs are individually adjustable in gain to accommodate a variety of sources.

The NAP150, with an output of 50W per channel continuous into 8Ω, uses a version of the new circuitry designed for the awesome £10,000 NAP500 power amplifier. This endows the NAP150 with far faster signal transition times and better rejection of power supply noise, says the company. In common with other



5 series components the NAP 150 uses a low vibration chassis, anti resonance circuit board mounting pillars and specially designed compliant feet, all in a £725 package.

Available now in the trademark 5 Series black, this combination promises much, and at a total of £1,350 could turn out to be one of the buys of the year. Watch this space...

Naim Audio  
Southampton Rd.  
Salisbury  
Wilts SP1 2LN  
Tel: 01722 332266

[www.naim.co.uk](http://www.naim.co.uk)

## INTENSO LOOKING

▶ Intenso has already sold over 100 million blank CDs across Europe, and is now looking for a slice of the UK recordable media market. Its colourful range includes 74min/ 650MB and 80min/ 700MB CD-Rs and CD-RWs, plus audio CD-Rs (for hi-fi CD recorders) and black faced CD-Rs (for games). A quick spin in a Pioneer PD-R509 CD recorder and a Creative Labs PC CD-RW Blaster confirmed Intenso's claim that they're 'grade A' quality, making them fine value at £2.99 per pack of 5 data CD-Rs. [www.intenso.co.uk](http://www.intenso.co.uk)



## next issue

Here's a small selection of what we hope to bring you in next month's edition...

### MERIDIAN 502/557 PRE & POWER AMPLIFIERS

Next month we listen to this classy looking combo from the Huntingdon-based digital engineering experts. Will they deliver the sonic goods?

### WHARFEDALE Pi30 LOUDSPEAKERS

These are part of the new Pacific range, intended to return Wharfedale to the forefront of 'speaker design. Will they succeed? All is revealed in four weeks.

### MARANTZ SA1 SACD PLAYER

This is the £5000 flagship digital disc spinner from Marantz, featuring battleship build and high quality components. Read all about it next month...



## SONY CHANGE TRACK

The only booming area of hi-fi hardware CD sales right now is recorders. The likes of Philips, Denon, Marantz and Pioneer have all had popular sellers in the stores for several months now, but what of Sony? The Japanese giant's official position has been that MiniDisc has been its priority - after all, why introduce an in-house rival to the format the company has

done so much to promote throughout the nineties? With this in mind, the arrival of Sony's new CDR-W33 CD recorder in its native Japanese home market marks a substantial sea change in the company's marketing strategy. Retailing at ¥75,000 (£440), the 4.6kg unit is well specified and nicely built. One unique feature is switchable Super Bit Mapping

(SBM), which dithers digital recordings for a more natural sound. Previously only available on Sony's DAT machines, this would instantly give the CDR-W33 an edge in the competitive UK market.

[www.sony.co.jp/SonyDrive](http://www.sony.co.jp/SonyDrive)



## SIZMIK ACTIVITY

Linn has a new subwoofer, or 'Active Bass Reinforcement Loudspeaker', called the Sizmik 10.25. A compact, powerful, efficient design, it is intended for high fidelity music, home-cinema and multi-room applications. Using digital signal processing and adjustable triple filters, it's said to deliver over 1000 watts of music power via a 10 inch long-excursion drive unit.

The 'cool running, hum and buzz free' Linn Sizmik 1000 amplifier is a 'Class V' amplifier using Switch Mode Power Supplies, high density linear power amplifiers and DSP in a balanced bridge configuration. Three buttons offer adjustable digital low and high pass filtering plus

subwoofer gain. Adjustable signal sensing enables the Sizmik to power up automatically from standby mode to full operation when it detects an input signal and to revert to low power standby after an appropriate and adjustable time period.

The Linn Sizmik 10.25 is available in Black at £995, or American Cherry and new Maple finishes for £1030.

Linn Products  
Tel: 0500 888909

[www.linn.co.uk](http://www.linn.co.uk)



## LIGHTENING THE LOAD...

Panasonic's £200 SJ-MR200 is claimed to be the lightest ever MiniDisc portable. Barely bigger than an actual MD, it weighs a waif-like 94g without batteries. All the more impressive are its claimed 38 hour playback and 15 hour recording times (from one battery). With 40 second anti-shock memory, backlit remote and S-XBS bass booster, it looks set to give its Sony MZR-91 rival a real hard time.

Panasonic Help Line  
Tel: 08705 357357



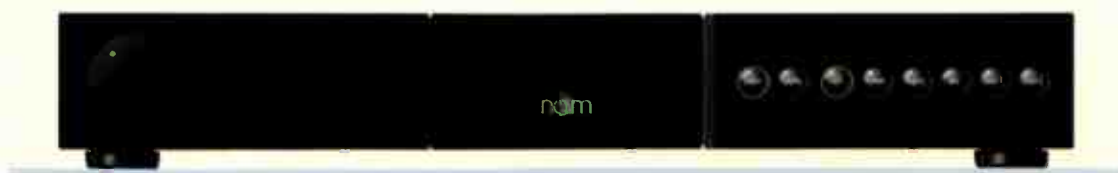
## SHOW TIME!

Bristol Sound & Vision 2001 will soon be here again. From Friday 23 to Sunday 25 February, 10am to 5pm, you'll be able to see vast quantities of hi-fi and AV equipment, from Arcam and Audio Analogue to Wilson Benesch and Yamaha, with everyone from Heybrook to Unison Research along the way.

As usual it's at Bristol's Marriott Hotel (tel: 0117 929 4281). Entry fee is £6 (£3 concessions) and if you've got any enquiries, check out the website at

[www.bristolshow.co.uk](http://www.bristolshow.co.uk)

A NEW DAWN



SERIES  
5

In search of a new musical experience? Naim's Series 5 range of audio equipment is exceptional. Even by Naim's exceptional standards. Expect no frills or gratuitous gadgetry. Our business is sound. Pure and simple. Just sit back, listen and believe.

  
WORLD CLASS HI FI

For your nearest stockist call +44 (0)1753 332266. Or visit [www.naim-audio.com](http://www.naim-audio.com)

THE ULTIMATE MUSIC SYSTEM



# world news

## 2005 - CD RIP ?



After *Hi-Fi World's* 'CD RIP' feature (November 2000) comes more bad news for Compact Disc. A new survey from market research company MORI, says 'virtual record collections' may replace CDs within the next five years. The study, commissioned by Creative Labs as part of an in-depth look into home audio technology, reports that British music buyers are entering the 'second stage' of digital music where CD collections will

soon be replaced by music stored on portable devices. It says British youth are at the vanguard of this 'audio revolution' and are leading the rest of society in planning to abandon CDs in favour of digitally downloadable music.

MORI interviewed 1,629 adults aged between 15 and 64 in July 2000, and found that 37% of under 25 year olds say they will stop buying CDs within 5 years, and 33% of

Internet users envisage storing 'all' their music on portable devices within the same time frame. Using the wider age range of 15 to 64, 24% of music buyers said they will stop buying CDs within 5 years, suggesting young people are most receptive to online music. The survey also found that currently, 14% of British music fans download music from the net.

[www.creativelabs.com](http://www.creativelabs.com)

## HACKED OFF - YET AGAIN



In November's *Trade Winds* we reported on how the multi-industry SDMI (Secure Digital Music Initiative) committee put \$10,000

up for grabs to anyone who could break one of the proposed digital watermarking codes. At [www.hacksdmi.com](http://www.hacksdmi.com) they distributed audio files protected by six security systems - four that embed watermark signals into music, and two that encrypt music files, a potential \$60,000. The SDMI has spent the last two years looking for a viable security standard for digital playback. Little did they know how quickly they would have to pay up, as two hackers are now \$5,000 each better off!

One is a 21 year old American drummer and regular user of Napster for sampling downloads, Will Palmer. The other is a Finnish student, Olli Parviainen, a 25-year-old information science undergraduate at the Helsinki University of Technology. Both of them were first time hackers.

According to Palmer, "the entire process of identifying and removing the watermark from the music samples took an afternoon". He also believes that any encryption or protection system is only viable for a period of six months maximum.

There is a disclosure agreement that prevents the winners from revealing their methods of cracking the code. However, Palmer had little computer programming knowledge, but was experienced in audio editing and mastering, apparently suggesting a commercial audio editing program could have been useful in the task. He is reported as saying that he, "approached the challenge from a purely musical perspective".

It's the same story in Finland, where it took the hacker just one evening to break the same security system. Like his fellow successful hacker, Olli Parviainen has experience with digital music programming.

According to many commentators, the SDMI has reduced the possible systems down to Verance's watermark and one other, as well as two cryptographic systems developed individually by EMI and Philips Electronics.

The biggest problem with watermarking in hi-fi currently lies with DVD-A. Doubts have been cast from industry professionals about the 'inaudibility' claims of the new Verance watermark. The original security code was cracked by a hacker and the launch of DVD-A postponed by months. Good news for the many sceptics, though, as this new hack could delay the release of DVD-A discs even further until the record industry is satisfied that the system is hack proof.

**regulars**

COMPETITION 20



Here's your chance to win a pair of Mission's top of the range 783 loudspeakers..

READERS LETTERS 44



Hi-Fi World's team reply to your letters and e-mails.

COLUMNS 65, 69, 71

The World team get to grips with issues facing both the industry and hi-fi alike.

SUBSCRIPTIONS 59

Hi-fi World is second to none for news and reviews.

Subscribe today!

HI-FI WORLD KITS 60

*World radio design*

Check out all the latest kits, and Christmas discounts.

SPECIALIST HI-FI DEALERS 72

Got a problem? - see a specialist.

HI-FI WORLD LIBRARY 76

A comprehensive selection of titles covering audio, valve amplifiers, loudspeakers, solid state electronics and more.

DIAL-A-DEALER 78

Who sells what, and where to find them.

MEET YOUR MAKER 82

Who makes what, and how to get in touch.

WORLD FAVOURITES 83

Components which we know to be truly worthy of audition.

CLASSICS 88

Our list of products that have stood the test of time.

MARKETPLACE 91

MEASURED PERFORMANCE 111

READERS CLASSIFIEDS 119

The definitive place to find classic audio components.

ADVERTISERS' INDEX 130

**computer audio world**

SOUNDBYTES 51

The latest news, including a close look at Sony's new VAIO audio computer



E-MUSIC GOES EAST 52, 53



We go to Japan to bring you the low down on all the latest AAC portables

CREATIVE LABS DAP JUKEBOX 55, 57

This cracking new audio player gets an in-depth test from David Price.



TURTI EBEACH MONTEGO II PLUS 58

David auditions a budget soundcard that's serious about making music.

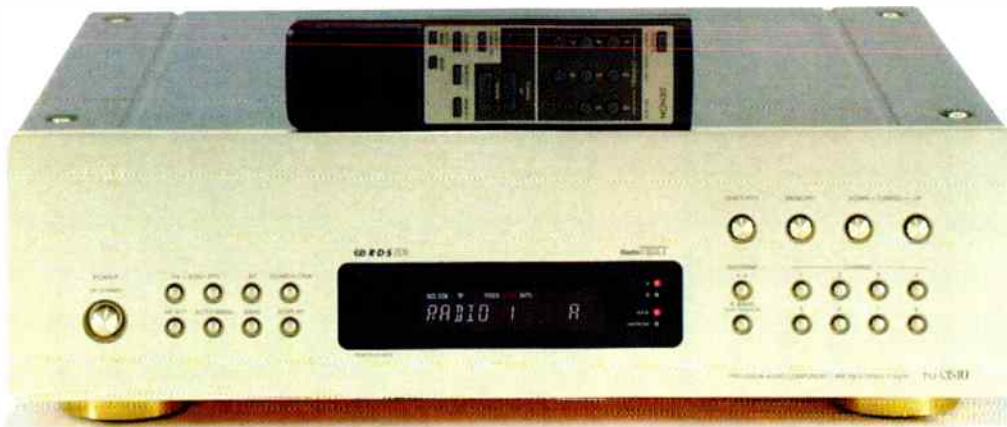


**diy supplement**

- TUNING UP OUR KIT and KaT**
- KT88 VALVE AMPLIFIERS 7**
- BUILDING WILMSLOW'S GEMINI**
- KIT LOUDSPEAKER 10**
- CAUGHT IN THE WEB 13**
- KT88 SOUND QUALITY 17**
- LETTERS 19**







Noel Keywood compares it to a top rank VHF/FM tuner, Denon's TU-S10.

the Videologic. In London the Videologic got thirty seven stations, whilst the Denon auto-tuned 20, not including medium wave. Its IF can be switched to narrow to improve selectivity and reduce interference from nearby stations. There's an input attenuator and aerial A/B switching but, inexplicably, no signal strength indicator. Remote control is provided, plus Radio Data System (RDS). So this is a very well equipped tuner and it is also a serious piece of VHF/FM tuner technology.

The TU-S10 is quite bulky and not too pretty in my view. A tuner like this will work from an indoor wire, but give audible hiss, unlike the Videologic. However, a VHF tuner will continue to work right down to almost no signal (one millionth of a volt) and will get stations even in basements, unlike DAB. For optimum quality though, a VHF tuner needs 1mV or more. I hooked the Denon straight into my external aerial to push it into full quieting (>1mV) on most stations. For top quality VHF demands use of an effective aerial.

The TU-S10 is an awesomely good tuner, that's for sure. It possessed the clarity of the Videologic, if not the razor sharpness of its transients, due to frequency response differences. Superficially, DAB sounded clearer, but Radio 2 - always good for transmission quality - showed quite clearly that the Videologic (and the external DAC) was missing a bass octave. Bass guitar, especially with reggae tracks, came through with force and control through the Denon, which was exceptional in this area. The Videologic lost the power of the fundamentals, leaving behind only the

suggestion of a bass line, made by the harmonics. After a lot of changing over between stations duplicated on VHF and DAB, like Heart, it became clear that the TU-S10 offered a broader, more balanced sound than the DRX-601E, with startling clarity and supple bass particular strengths, but also with greater insight that revealed instrument textures and vocal nuances. By contrast the Videologic came over as a little bland and sterile, but my suspicion is that this is due to MUSICAM and the DAB broadcast chain.

And hiss? At -78dB there was none on VHF. Studio noise predominates at this level. The TU-S10 was as quiet as the DRX-601E. But of course you must give a VHF tuner more than 1mV from the aerial to achieve this.

By VHF standards the TU-S10 is one fine tuner, one of the best I have ever heard in fact. Videologic's DRX-601E got unlucky!

**CONCLUSION**

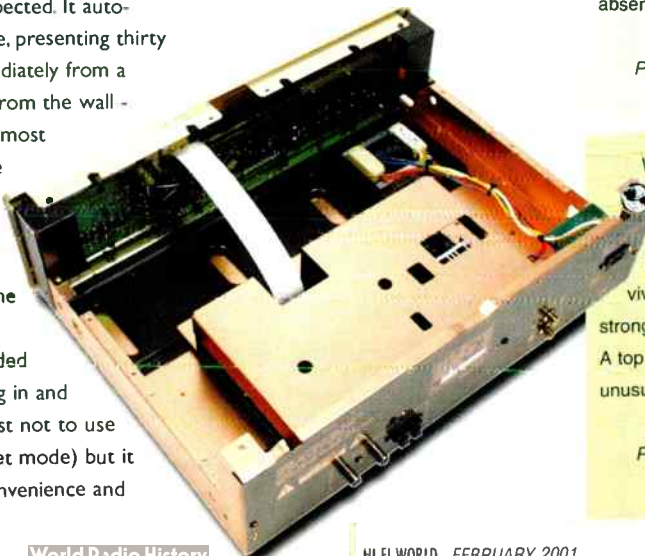
I was more impressed by Videologic's tuner than I had expected. It auto-tuned with no hassle, presenting thirty seven stations immediately from a piece of wire hung from the wall - without any hiss. To most listeners it would be the best thing they had ever heard and it was delightfully easy to use. It's a fine tuner.

The Denon needed more work in tuning in and memory setting (best not to use the auto memory set mode) but it offers equivalent convenience and

better sound quality, especially for Rock music broadcast at high quality levels. The Denon also demands a serious aerial if it is to show what it can do. All the same, this is one extraordinary tuner, unequivocally one of the best I have ever heard. Had the Videologic not met it, then it might have prevailed. The Videologic is an excellent tuner for £299. This is a sensible price for DAB. ■

**VIDEOLOGIC DRX-601E £299.00**  
 Videologic Systems  
 Home Park Estate  
 Kings Langley, Herts WD4 8LZ  
 tel: 01923 277488  
 fax: 01923 270188  
 www.videologic.com

**DENON TU-S10 £350.00**  
 Hayden Labs.  
 Hayden House  
 Chalfont St Peter,  
 Bucks SL9 9UG  
 tel: 01753 888447  
 fax: 01753 880109



**can I get DAB?**

Around 30% of the UK population are unable to receive DAB, lacking a local transmitter. The West Country, South Coast, Northern Britain, and much of Scotland are not currently served. To see if you can get DAB -

**Telephone**  
 Digital Radio Helpline - 0870 90 90 250  
 BBC Helpline 08700 100 123

**Websites**  
 www.bbc.co.uk/digitalradio  
 www.ukdigitalradio.com  
 www.worlddab.org

**Aerials**  
 www.antiference.co.uk  
 tel: 01543 267160

**WORLD VERDICT**  
  
**VIDEOLOGIC**

Lots of stations, easy to use and fine sound quality, but bright. Deep bass absent.

*Measured Performance see page 111*

**WORLD VERDICT**  
  
**DENON**

Easy to use, vividly clear, with strong, supple bass. A top VHF tuner - unusually good.

*Measured Performance see page 111*

THE SPIRIT OF MUSIC



CL 82 MKII  
CL 102 MKII



Distributed by  
Sennheiser UK Ltd. FREEPOST, High Wycombe, Bucks HP12 3BR.  
Brochure Line: 0800 652 5002 Fax: 01494 551 550  
email: info@sennheiser.co.uk Web: www.sennheiser.co.uk

ELAC CL 82 MKII – "I thoroughly recommend you to try them out."  
hi-fi+ April/May 2000

ELAC CL 82 MKII – "Reliable German made speakers that sound exciting  
with detail and refinement rare at the price."  
Hi-Fi World January 2000

ELAC Electroacoustic GmbH, Rendsburger Landstr. 215, D-24113 Kiel,  
Tel: +49 (431) 64 774-0 Fax: +49 (431) 68 21 01 Web: www.elac.com

Sound looks

cameo

Inner value



WHAT HI-FI? August 2000

"The Myriad is a fine sounding system,  
as you might expect from this brand."

MYRYAD

Myriad distribution by Sennheiser UK Ltd. FREEPOST, High Wycombe, Bucks HP12 3BR.  
Brochure Line: 0800 652 5002 Fax: 01494 551 550 email: info@sennheiser.co.uk www.sennheiser.co.uk



# listening to DAB

Here's a run down of stations available on the Digital Audio Broadcasting wavebands

**D**igital radio has a lot to offer - and there's more to come. A claimed 70% of the population are able

receive it, although the audience for DAB radio in Britain probably numbers no more than 5000 or so at present, due to

the high price of tuners. More stations are available on DAB than VHF/FM, and more are due. Here's a look at what DAB offers.

Some obvious musical genres, like Reggae, are conspicuously absent at present. You won't get pirates broadcasting on digital to fill the gaps either; the technology is too complex and expensive.

We have included London local programmes as an example of local DAB. Stations like XFM can be found in most areas, so can Sunrise or Asian radio. Capital, Heart and Kiss are also common. Expect around 12 local DAB stations, plus BBC nationals, to be available to you - if you live within range of a DAB transmitter.

The BBC are planning another five national DAB channels, broadcasting music from their archives (live concerts and sessions, plus interviews), Plays and Comedy, an Asian station and a Black music station.

## NATIONAL DAB STATIONS

### BBC

Parliamentary	parliament
BBC Radio 1	new music
BBC Radio 2	popular music
BBC Radio 3	classical
BBC Radio 4	speech
BBC Radio 5	dedicated 24hr live
BBC Radio 4	LW
BBC World Service	international
BBC Travel	travel data

### COMMERCIAL DIGITAL ONE

Classic FM	classics
Virgin Radio	contemporary
talkSPORT	all sports
Core	teenage chart & club
Planet Rock	classic Rock
Prime Time	easy listening
One Word	speech based
Life	music for adults
Bloomberg talkMoney24hr	financial
ITN News	latest news
PrimeTime Radio	old melodies
Oneword	plays, books etc

## LONDON DAB STATIONS

### from BBC

GLR	talk and news
-----	---------------

### from C.E. DIGITAL

Capital FM	contemporary
Capital Gold	best of rock
Kiss 100	dance
Magic	hits from the last four decades
News Direct	news & commerce
Xfm	Modern Rock
Sunrise Radio	Asian
LBC	News, Views

### from SWITCH DIGITAL

Heart	soft rock
The Lounge	horizontal rock
BigLondon	big rock
MinistryofSound	dance
BBC London live	talk
Travel Now	travel info
WLON The Mix	
Jazz FM	jazz
The Groove	soul and funk

## When is digital not digital?

If you go down to the shops today you're sure of a big surprise - digital radio for just £59.99! Lots of 'em in fact, at all sorts of prices, with the words 'digital' plainly visible on the front. But they're analogue.

These are normal radios with digital tuning, which offers the convenience of push-button station selection. All the same, the description 'digital' is confusing for people. You will find 'digital' radios commonly have VHF and Medium wave, a sure sign they are analogue radios!

Also, there are 'digital scanners', a type of radio receiver that can cover 0.5MHz right up to 2GHz, including the DAB band (174MHz-240MHz). They will not decode DAB though. Luckily, scanners are not common on the High Street or there would be even more confusion. Both these categories are analogue; only DAB is digital radio.



A 'Digital World Receiver' from Philips. This is an analogue radio with digital tuning.

# CD SMOOTHIE

Dominic Todd thinks Kenwood's new DPF-3030 CD player is a smoothie



**K**enwood's new DPF 3030 replaces their highly regarded DP 3080 so it has a reputation to live up to.

Kenwood have improved their unique D.R.I.V.E. filter system, which reduces quantisation errors at low signal levels that produce a stepped waveform instead of a smooth one. Kenwood reckon this provides a more natural sound quality.

The rest of the player is pretty much standard fare. There's a one-bit DAC, and optical digital output. The main output is also remotely adjustable. It's a pity, then, that a machine as well specified as this doesn't have the ability to replay CD-RW discs; something that may put off the home-recorders.

The overall finish is now as good as anything at this price point, and reliability and a long life you can take as read if Kenwood's past reputation is anything to go by.

The player was plugged into my usual system, with both a NAD C520 (£170) and Cambridge D300SE (£170) at hand to act as benchmarks.

It was good to see that the new '3030 has lost little in terms of refinement in transition from '3080. The Cardigans, 'Erase and Rewind', flowed from the 'speakers as effortlessly as one could expect from this class of CD player. The bass was a touch lightweight in comparison to the NAD, yet both its sense of cohesion with the mid-band, and fine definition are unusually good at this price. The guitar and vocals were equally well refined although, at times, perhaps too much so. Nina

Perrson's vocals, in particular, lacked the usual Scandinavian 'edge'. The sound staging was fine, but a little extra depth would have been appreciated. Whilst one could never call the Kenwood lean, it didn't quite have the expansive 'bloom' of rivals; something which isn't always necessarily a good thing in the budget market.

A rather less processed and grander sound came courtesy of the Divine Comedy's 'Here Comes the Flood'. Both Piano and brass sections were reproduced with a realistic timbre. However, the vocal arrangements came across as a little pinched. This seemed to compress the sound stage to a degree.

Many budget hi-fi separates show a preference for a particular type of music, and I discovered the Kenwood to be one of them when I switched to jazz vocalist Tina May's 'After The Love Has Gone'. The smooth, mellifluous balance really seemed to suit acoustic jazz. May's vocals had presence and a true sense of realism thanks to the ability to hear her patterns of breathing. The latter is a trick usually only associated with more expensive machines, but I guess Kenwood would accredit this to the D.R.I.V.E. system. Once again the bass response was a touch light, yet the overall balance had a seamless and beguiling nature that would encourage

long term listening. A total lack of exaggerated vocal sibilance helps here too.

The Kenwood could sound dramatic with the right material. 'Strumgliding', off the Swim Team's compilation disc, provided a suitably window-rattling bass line when required. Politeness pervaded again though, with the synthesised drums lacking a certain edge, to the detriment of the track's atmosphere. The timing and consistency couldn't be faulted, though, as was the case with all the previous tracks.

To describe the Kenwood as smooth seems as though I'm damning with faint praise. Yet, in many respects, this is the one word that can justifiably sum the '3030 up. Detail resolution, timbre and timing also all rate as above class average. The player does shine more with acoustic work rather than Rock or Dance genres.

The level of sonic sophistication still impresses at this price level. Add that to improved cosmetics and it's hard to imagine a better all rounder, just don't expect a bright sound. It's certainly a player to audition. ■▲



**KENWOOD DPF 3030** £199  
Kenwood Electronics  
UK Ltd  
Kenwood  
House,  
Dwight Rd  
Watford  
Herts WD1 8EB  
Tel: 01923 816444

**WORLD VERDICT**  
  
 Like its predecessor, the 3030 is simply one of the best players around under £200. Highly recommended.  
*Measured Performance see page 111*



Clearly  
we've  
moved on



The original Q Series won so many awards that it was tempting to leave well alone.

So we changed it.

We improved the Uni-Q® driver array with an acoustically purer polypropylene midrange cone, and a high frequency unit with a more powerful magnet for greater accuracy at high volume. We fine-tuned the crossovers for even smoother response, and mounted them directly to the bi-wire

terminals for optimum signal transmission.

The gorgeous new front baffles are contoured to eliminate edge diffractions, and finished to match the cabinets in Natural Cherry, Dark Apple or Black Ash.

And the end result? All the acoustic transparency of the original, with an even sweeter, more open sound.

There's no such thing as perfection - but now, you can get pretty close.



**Q**  
SERIES  
Point • Two



MODELS SHOWN ARE THE Q SERIES POINT TWO COMPRISING MAIN PICTURE MODEL Q65 • GROUP PICTURE Q85, Q15 • Q35 • Q55 • Q65 • Q95 KEF AND UNI-Q ARE REGISTERED TRADEMARKS. UNI-Q IS PROTECTED UNDER GB PATENT 2 288029 U.S. PAT. NO. 5,548,657. WORLDWIDE PATENTS PENDING. FOR DETAILS ON KEF Q SERIES 2 PLEASE CONTACT KEF AUDIO (UK) LIMITED, DEPT HFV70, FREEPOST MA1322, ECCLESTON ROAD, TOVIL, MAIDSTONE, KENT ME15 6RR. FREEPHONE 0800 7315620. [www.kef.com](http://www.kef.com)

\*MODELS Q35, Q55, AND Q65 ONLY

World Radio History

# RHYTHM STICK



Denon have re-vamped the PMA-350SE amplifier into the UK-tweaked PMA-355UK. Is good rhythm enough, Dominic Todd wonders?

I bought a PMA-350SE I was so impressed by it. Four years on, have Denon moved the game on with its replacement, the new PMA-355UK? Nowadays, there's the NAD C320 (£200), Cambridge A500 (£200) or Marantz PM6010OSE (£230) to compete.

Although having crept up slightly in price to £230, there's plenty that's new. A quick glance reveals a remote control (useful), mm phono stage (handy), a second set of 'switchable' speaker and tape outputs (good), pre-amp outlets (also good) and tone controls (matter of taste). With the possible exception of the tone controls, all good stuff.

With my trusty PMA-350SE alongside, I began listening with Eagle-Eye Cherry's, 'Long Way Around'. Immediately striking was the definite Denon signature. A strong taught bass line that drove the song through with vigour. Vocals were powerfully projected well ahead of the rest of the mix. It was also good to hear the two guitar tracks clearly separated

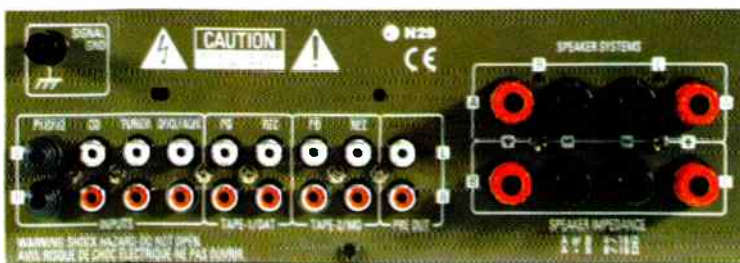
from one another, their own unique characteristics clearly defined. Slightly less impressive was the 'width' of sound. Although by no means poor by class standards, there wasn't quite the expansiveness of one of the Denon's key rivals, the NAD C320. Likewise, the overall balance could occasionally sound slightly mechanical and detached from the music. Everything was there but it just didn't seem to quite gel together. For example, percussion sections became more confused as the mix became more complex.

Female vocalists can prove testing for even the finest amps. I selected the next disc, Kirsty MacColl's, 'England 2 Columbia 0'. As with the previous song, the vocals stood out with a bold presence. The resolution of fine detail was undoubtedly better than average for an amp of this price, but once again it didn't quite do enough to really involve me.

Maybe the Denon just wasn't happy with the music genre. The 355 appeared happier with Richard

Thompson's raw folk drawl than had been the case with previous female vocalists. Lead vocals enjoyed a clarity and level of separation that allowed me to focus upon the subtleties of accent and emphasis but treble performance proved to be a let down here. Cymbals shimmered brightly with a fine, even decay, as soon as the balance erred towards the side of 'busy' the Denon seemed to lose it a little. Overall, the balance was suitably punchy, with a good rhythmic drive.

The Denon has everything you'd ever want, featurewise, from a stereo amp. It appears to have taken a step back from its predecessor, if only a small one in sound quality. Whilst there are few at this price that can match its balance of drive and punch with such good detail resolution, it lacks the ability to allow the listener to forget they're listening to a hi-fi, unlike the less mechanical sounding NAD C320. Proof then, that newer isn't always necessarily better. ■



DENON PMA-355UK £230  
Hayden Laboratories Ltd.  
Hayden House  
Chiltern Hill  
Chalfont St. Peter  
Bucks. SL9 9UG  
Tel: 01753 888447

**WORLD VERDICT**

An exciting sound with excellent drive and bass. A sometimes harsh treble and slight lack of cohesion stop top honours, though. Good value.

Measured Performance see page 111



# A lot of changes - and still rather a lot of money.



Speakers as universally revered as our Reference Series are a tough act to follow. After all, what can you do to improve on excellence?

Rather a lot, as it happens. Take the high order crossovers, for example. They've been completely redesigned, using advanced polypropylene capacitors for even greater lucidity. And every crossover is further fine-tuned to match the parameters of each individual drive unit. We even found ways of making the drivers themselves with greater precision to iron out the slightest sonic imbalance.

Having perfected the acoustics, we turned to aesthetics. Hence the choice of five stunning contemporary finishes - exquisitely book-matched veneers, now including Cherry and the highly figured pale Albina Burr, with corners carefully radiused to eliminate residual edge diffractions. In all, literally hundreds of painstaking improvements were made.

So many small improvements can make a big difference to sound quality - and these do. You'll find the Reference Series~Two vastly more accomplished than its illustrious predecessors. Sweeter. Purer. Even more lavishly detailed.

Like all the best things in life, they still don't come cheap - but to anyone who really appreciates sound, they're better value than ever.



REFERENCE SERIES



# McLaren



**T32R<sup>DAB</sup>**

award winning tuner technology



Why choose between analog and Digital Radio technology when the T32R<sup>TM</sup> can receive both. If your location is not already covered by Digital Radio you can purchase the T32R<sup>TM</sup> as an audiophile quality analog (FM/MW/LW) tuner and upgrade to Digital Radio at a later stage, without any penalty or compromise.

**Digital Radio**

Digital Audio Broadcasting (DAB) is the future of radio and offers many advantages over existing analog technology. With additional programme choice, functionality and interference-free reception Digital Radio is ready to take radio into the new millennium. The (optional) Digital Radio module, which is already prepared for bands III and I, has been developed to TAG McLaren Audio's specification in conjunction with Robert Bosch Multimedia Systems.

**Hi-technology Analog Radio**

The FM section includes switchable IF filters, high blend and a mono mode. Together with the T32R<sup>TM</sup>'s highly sophisticated phase-locked loop digital synthesizer and charge integrating demodulator they provide true hi-fidelity even under difficult reception conditions.

Available in black or silver.

**Multiple FM antennae**

A second FM antenna input is provided to allow convenient expansion to cable distributed radio programmes.

**Sophisticated AM circuitry**

The MW and LW sections allow for clear, crisp sound with a minimum of background noise. They have been designed not to impair the audiophile sound quality of FM or DAB.

**Serious computing power**

Good ergonomics are essential for sophisticated products. The T32R<sup>TM</sup> includes an unusually powerful microcontroller, allowing a highly intuitive user interface that provides maximum functionality with tremendous flexibility, including full remote control, 99 station memories and a comprehensive display.

**Wake up in style**

The T32R<sup>TM</sup> features alarm, snooze and sleep functions.

**Full remote control**

The intuitively designed Remote Control manages the T32R<sup>TM</sup>'s many functions.

"...the T32R is quite possibly the best radio in the world...not only is the T32R easy to use and flexible, it also sets new performance standards..."

*What Hi-fi? June 2000*

**Best Stereo Tuner**

*The British Audio Awards 2001*

**Award winning construction**

The T32R<sup>TM</sup> combines multilayer printed circuit boards with a mixture of surface mount and leaded component technologies. Ten individual linearly regulated power supplies, a magnetically shielded toroidal transformer and vibration damping via acoustic damping pads and Sorbothane feet result in superb quality with a very low noise floor.

**Premium grade audio components**

The analog stages use high-precision, ultra-stable, metal film Vishay resistors and low dielectric loss Wima polypropylene capacitors for improved transparency and excellent noise suppression.

**Integration into Home Cinema**

When connected to our av processor AV 32R station selection can be made via the AV 32R with station name and radiotext being displayed on a TV.

**System integration and expansion**

The TAGtronic Communication Bus enables products equipped with this advanced interface to share and transfer information easily.

**A safe investment for the future**

Thanks to its modular design and the addition of the TAGtronic Bus, the T32R<sup>TM</sup> is prepared for the future with new software distributed via the Internet programming into the T32R<sup>TM</sup> using a PC.

TAG McLaren Audio, The Summit, Latham Road, Huntingdon, Cambs. PE29 6ZU  
 freephone: 0800 783 8007 tel: 01480 415600 fax: 01480 52159 e-mail: helpdesk@tagmcclarenaudio.com

To book an audition contact one of these authorised T32R stockists:

Audio Designs	East Grinstead, West Sussex	01342 314569	Oxford Audio Consultants	Oxford, Oxen	01865 790879
Audio T Ltd	West Hampstead, London	0207 794 7848	Peter Tyson Hi-Fi	Carlisle, Cumbria	01228 546756
Harrods	Knightsbridge, London	0207 730 1234	PJ Hi-Fi	Guildford, Surrey	01483 504801
Harrow Audio	Harrow, Middlesex	0208 930 9933	Sevenoaks Sound & Vision	Bedford, Bedfordshire	01234 272779
Listening Rooms	Chelsea, London	0207 244 7750	Sevenoaks Sound & Vision	Glasgow, Scotland	0141 332 9655
Martin Kleiser	Chiswick, London	0208 400 5555	Sevenoaks Sound & Vision	Meath, Worcester	01905 612929
Martins Hi-Fi	Norwich, Norfolk	01603 627010	The Hi-End	Barnes, London	0208 876 3355
Music Matters Ltd	Edgbaston, Birmingham	0121 429 2811	The Powerplant (Hi-Fi) Ltd,	Brighton, Sussex	01273 775978
Music Matters Ltd	Solihull, Birmingham	0121 742 0254	Zebra	Chealsea, London	0207 351 7795
Nottingham Hi-Fi Centre	Nottingham, Nottinghamshire	0115 978 6979			



# Image conscious

Mission's new m71 loudspeaker produces great images, Noel Keywood finds.

**M**ission include a 'how to set up a hi-fi loudspeaker by numbers' guide with their new, budget M71s. It's short, succinct and on the nail. I followed it and ended up listening to great a performance, good enough to wonder: "who needs a big loudspeaker?"

The m71s exhibit "a lively and highly detailed midband", as well as "an astonishing low frequency performance seldom found in a compact enclosure" Mission say. I've read it before, but their claim has substance. Measurement told me this new small 'speaker was designed to be a wall mounter (close to a wall, not against it) and sure enough Mission's guide confirmed this, saying 10-30cms was needed to the rear wall.

Placing a loudspeaker close to a rear wall gives more bass, but it is lumpier, due to phase additions and subtractions. The further out the better, for imaging and smoothness. Just don't let the distance to the floor match the distance to the rear wall or the lumps will get large. Because every room is different I experimented, but the m71s delivered good, deep bass even when far from the wall.

However, assuming most people would buy a 'speaker like this because it can be kept back to free up floor space, that's how I reviewed them. In line with Mission's guide I tried the optional foam bungs for tighter bass, ran the speakers in for 24 hours and pointed them straight down the room, rather than toed in. This gives a beautifully broad sound stage, at least, from a loudspeaker able to construct such a thing - and the m71s could. After a while I toed the speakers out a little and found they could still construct a solid and credible central image. Toeing out gives an almost ethereally large sound stage, bringing real dimension to large orchestras in particular. Aiming more energy at side walls won't work in all rooms, but when it works it gives impressive results - and the m71s can pull it off.

In their last line of advice Mission say their 'speakers will work with "competent budget electronics" but will improve as the source improves. So they should - and it is an important point in the real

world. What Mission are saying is the m71s are not difficult to drive. Our tests confirmed this. They go loud with around 40-60watts, as loud as any rivals, so they don't stress budget amps. Mission recommend 75watts maximum. Bi-wiring is possible; I used it and got better insight into a performance. However, throwing money at budget 'speakers to make them sound better is a bit unrealistic. A good sound should be possible from normal use; I used single wire van den Hul Royal Jade Hybrid running to a Mission Cyrus 7 amplifier most of the time.

A Cyrus 7 is a solid-state amplifier I can live with (being a valve man). It's smooth, it has stage depth and good imaging. I tried toeing the m71s out slightly to dampen their treble; they are a little on the 'shiny-bright' side even with a smoothie like the Cyrus, so I would beware of matching the m71 to hard rockers like the Naim Nait5, TAG McLaren 60i, or most Far East amps (e.g. Denon), all of which have forceful treble. Think Creek or Cyrus perhaps, something with smoothness and finesse.

I've never warmed to hi-fi products tuned exclusively to hard rock. There's a strong element of rocker in this 'speaker though, ameliorated by subtler properties. The m71s have real speed, aided by a glassy edge to transients that make them incisive. If you want fast rock from a miniature, they've got it. There was plenty of bass power in the metronomic drumming behind Billy Idol's Rebel Yell, but better still Idol had real presence in the room, vividly defined and in great voice. The m71s have good bass punch, lots of speed and great imaging. They're fine for this sort of Rock.

Mission have engineered in a fine sense of bass control too. Although I could hear some box 'boing' at times - and definitely a little box colouration from the port - the m71s have fast, tight bass that also goes quite low. Even though real deep bass is attenuated, it's still there. The bass line behind Clapton and Santana on The Calling had more power behind it than you'd expect from such a small box, underpinning their performances well. I got no improvement using the foam bungs, but then I never do.



This idea is better suited to big cabs with boomy bass, to stop them over-energising rooms.

Of all their strengths, imaging of the m71s was most impressive. They consistently placed performers in a wide arc across the end of the room, with a fine sense of insight and space around the images. Unlike the larger 783s I reviewed in our December 2000 issue, the small m71s really projected into the room, a feature that would impress anyone. Projective imaging like this, which relies upon good electrical properties, plus a cleverly contoured front baffle, can make a small 'speaker sound improbably large. Toeing out a little increases the effect. This was the m71's greatest strength: a big sound, full of life and detail.

And their greatest weaknesses? They have a slightly dry, glassy hard quality to them that doesn't especially favour orchestral strings and occasionally brought emphasis to sibilance on bright CDs. At the same time the 'speakers weren't harsh.

At £129.90 it's worth spending just a little more on good cable and stands for the m71s to get the best from them, because they are good enough to deserve it. These are loudspeakers I could live with, they are so revealing and accurate. You'll wonder whether you ever need a bigger loudspeaker. ■

MISSION m71

£129.90

Symphonix Ltd  
Huntingdon PE29 6EY  
tel: 01480 451777  
fax: 01480 432777  
www.mission.co.uk

HI-FI WORLD'S

# GREAT COMPETITION GIVEAWAY

WIN A PAIR OF MISSION'S £1000

FLAGSHIP 783 SPEAKERS IN OUR SUPERB COMPETITION!

Want to start the twenty first century with a bang, but can't because you've emptied your piggy bank over Christmas? It's a familiar situation, but worry not because we have the solution! If you've got a dose of the post-Christmas blues, Hi-Fi World has the remedy in the shape of this month's competition.

Mission is now one of the world's most famous loudspeaker companies, with a brief but full history that includes many best sellers. Based in Britain's 'hi-fi Mecca' of Huntingdon, the company was started in 1977 by Farad Azima. The engineering talents of his brother Henry soon meant the brand was making waves with products like the 700 and 770, which fast won plaudits from countless UK and international hi-fi magazines. Mission loudspeakers became famous for their exciting, punchy, musical sound, combined with clean midband and fine imaging. This was achieved by Henry's talents at using high technology materials and carefully voicing his 'speakers for real world listening rooms.

A litany of successes followed, from the quintessential budget 760 'mini monitors' of the early nineties, to the storming 752 floorstanders which were the first mass-market loudspeakers to use HDA (High Definition Aerogel) in 1995. Mission went from strength to strength, introducing sweet sounding silk dome tweeters when everyone else was still using edgy metal domes, and innovative cabinet bracing arrangements for extra rigidity. The

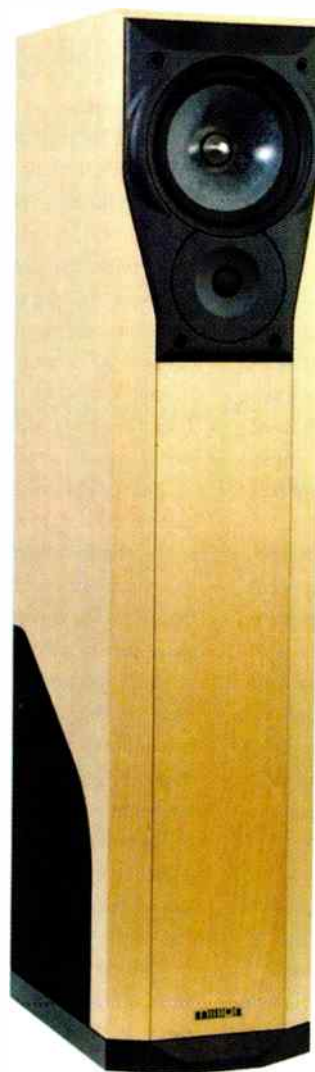
bold X-Space of 1998 pioneered the use of NXT flat panels and showed Mission's mastery of new technology. Always offering excellent value for money, the company's latest flagship series comprises the 780 standmounter, plus 782 and 783 floorstanders. True to tradition, the range uses new technology in the shape of the Keraform mid/bass driver.

The £1000 783 is one of the finest 'speakers available at its price, as we found back in December's Hi-Fi World. Exceptionally well put together and solid as a rock, it has a wonderfully sophisticated sound. Mission has put a lot of work into reducing cabinet colorations by using asymmetry to disperse panel resonances and foam damping to reduce cavity resonances. Although resembling a two-way design, the 783 is actually a three-way 'speaker with a side firing 200mm bass unit for a tight, deep and tuneful bass. The Keraform matrix bass/mid cone is used to minimise coloration, which it does with aplomb and the soft dome tweeter gives a smooth and sweet high frequency response.

Noel Keywood found the 783 to have, "a silky smooth and beautifully civilised performance... It performs equally impressively with all types of music. Rock has grip and control with a generous frequency spread combined with a fast and exciting sound due to that stiff drive unit... the kick drum on Billy Idol's 'Pumping on Steel' kicked hard, with lightning attack and real punch. Cross fade images shot between 'speakers like

bullets. The track's tricks really came across".

To win these exceptional loudspeakers simply answer the following questions on a postcard, and send it to the address below before January 31st 2001. The lucky winner will be picked out of Hi-Fi World's well-worn baseball cap! ■



## Competition Questions

[1] Mission is based in John Major's parliamentary constituency of:

- [a] Huntingdon
- [b] Brixton
- [c] Kensington and Chelsea
- [d] Dumfries

[2] The company was founded by the Azima brothers, whose first names are:

- [a] Bleep and Booster
- [b] Farad and Henry
- [c] Watt and Ohm
- [d] Smith and Jones

[3] Mission loudspeakers are famous for using:

- [a] recycled kitchen utensils
- [b] Dustbin lids
- [c] High tech materials like HDA and Keraform
- [d] sticky-backed plastic

[4] In Hi-Fi World's December 2000 review of Mission's 783, we found them to have:

- [a] "a wonderfully full and exuberant bass response"
- [b] "a silky smooth and beautifully civilised performance"
- [c] "an unparalleled ability to emote"
- [d] "a kickin', bangin' sound, man."

Please send all entries to:

February Competition,  
Hi-Fi World  
Freepost LON3478  
London NW6 6YR

## congratulations!

The lucky winner of December's KEF competition is Mr. Philip Hurst of West Bridgford, Nottingham. The response to our monthly competition has been beyond our wildest expectations. Keep the entries flooding in, as the more you respond, the bigger and better the prizes get.

Many thanks! ■



# decent exposure



After new investment and a spring clean Exposure has launched an all-new integrated amp at the audiophile public. Simon Pope welcomes the famous brand back.

Cast your mind back ten years and think of five leading British audiophile amplifier manufacturers. The name Exposure would invariably be on the list. At one point in its previous existence, it was practically head to head with the likes of Naim. However when the latter, under the visionary leadership of the late Julian Vereker, started to expand its empire, Exposure stuck to its humble origins. Consequently a company, that perhaps should have deserved wider recognition since its launch in 1977, didn't fulfil its potential share of the hi-fi market.

Recently it has struggled, and even went through an abortive sale until a glimmer of light was spotted at the end of the tunnel. The far east is always interested in investing in 'traditional' British hi-fi brands like Exposure whose names carry prestige, and with this in mind Malaysian money appeared on the table back in March 2000. Thus was born the new Exposure Electronics Ltd.

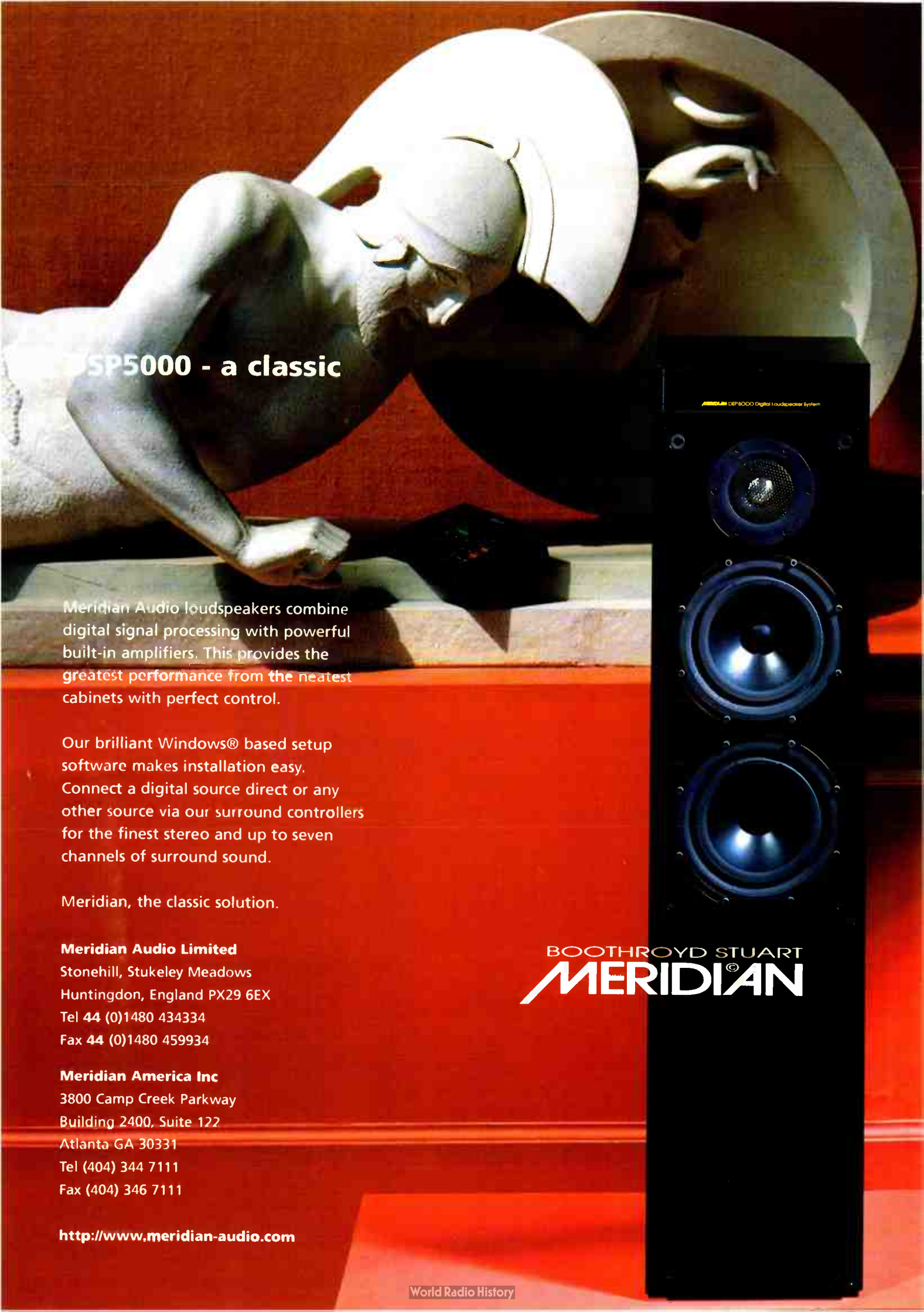
This new found financial stability

meant the company could start manufacturing with little constraint on finance or time, at a lower price. It's currently working on the next wave of products, including CD players, tuners and amplifiers, and also plans to venture into Home Cinema. 'Old' Exposure front man John Farlowe is the newly appointed chairman, with Andrew Whittle brought in as MD. Whilst finance is from Malaysia, the first products are still fully manufactured in the company's Sussex HQ, although gradual development in the far east may well occur, with assembly probably based still in the UK.

The first new product was the non-remote version of the 2010 amplifier. The version we have here has remote controlled volume and input selection as well as numerous tweaks on the original. Aesthetics are still very much in the traditional Exposure mode, with a no-nonsense attractive look that retains an air of specialist hi-fi. It's straightforward enough, with most of the emphasis on the inside. Corners are nicely

rounded with an overlapping front plate adorned with two smoothly motorised knobs (Alps volume pot and input selector) that feel good (and expensive) to the touch. Exposure has made a nod to modernity with the inclusion of three blue LEDs on the 'titanium' silver fascia (also available in classic 'eighties' satin black), and they're quite the brightest I've seen too. You can always save on electricity though, as the amp can double up as room lights.

Round the back we have connections for six line inputs - our sample had no phono inputs but a MM or MC stage is available for £100 extra. Two sets of 4mm loudspeaker sockets are flush with the casing. There is also a pre out for upgrading to the soon to be launched power amplifier in the range. Inside there is output circuit protection in the event of shorting. Power is conservatively rated at 50W per channel. It's of sensible dimensions and sensible weight, and all components in the 2010 come with a three year guarantee.



**DSP5000 - a classic**

Meridian Audio loudspeakers combine digital signal processing with powerful built-in amplifiers. This provides the greatest performance from the neatest cabinets with perfect control.

Our brilliant Windows® based setup software makes installation easy. Connect a digital source direct or any other source via our surround controllers for the finest stereo and up to seven channels of surround sound.

Meridian, the classic solution.

**Meridian Audio Limited**  
Stonehill, Stukeley Meadows  
Huntingdon, England PX29 6EX  
Tel 44 (0)1480 434334  
Fax 44 (0)1480 459934

**Meridian America Inc**  
3800 Camp Creek Parkway  
Building 2400, Suite 122  
Atlanta GA 30331  
Tel (404) 344 7111  
Fax (404) 346 7111

BOOTHROYD STUART  
**MERIDIAN®**

<http://www.meridian-audio.com>

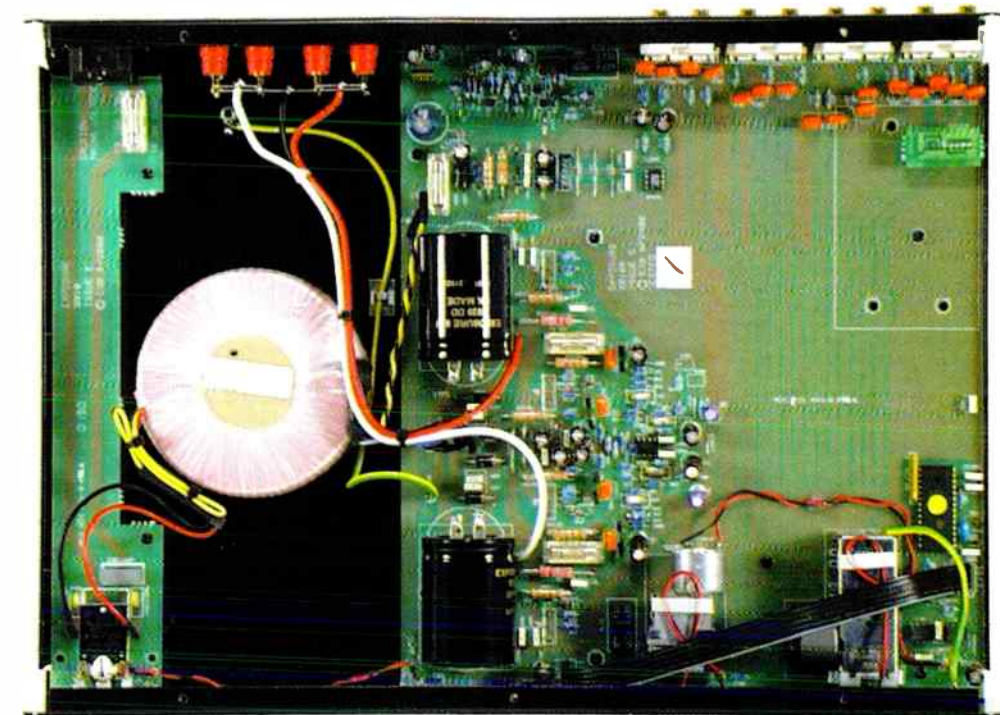


**SONIC SLAM**

I say 'conservatively' rated, because those 50 watts sound like a heck of a lot more. Using a Linn Genki CD player, Mission 782 loudspeakers and Nordost cabling, I was immediately hit with a fast, punchy sound very much in the old Exposure vein. It's no wonder that the company was always compared to Naim, as the sound is fundamentally similar. There's an overall presence, control and bass slam that makes for a very involving listen. After burning in the 2010 for a couple of days the amp really came into its own and a tad more warmth was added to the sound to give a better tonal balance.

It's a superb performer with rock. The Screaming Tree's 'Dust' was first in the Genki's drawer and I was instantly hit with a big guitar sound that was both powerful and cohesive. Mark Lanegan's gruff, sixty-a-day voice was realistic and forward, with the drum (one of the best ever recorded, in my view) extraordinarily detailed and powerfully driven. Most impressive though was the tight and deep bass control. Low end grunt is rarely found at this price coupled with such control and tunefulness. Such slam was also found in Underworld's electronic dance music. 'Push, Upstairs' from 'Beaucoup Fish' had relentless energy and drive, bass was solid and taut and the treble showed real detail, with all the tiny intricacies of the percussion present and correct. Still, it wasn't quite the most neutral or smooth sound I'd ever heard, though.

Moving to classical showed how the 2010 excelled in three-dimensionality. Whilst the previous



Exposure sound could be somewhat two-dimensional and flat, the new amp had an ambience and depth with classical that I frankly didn't expect. Pierre Boulez's note-perfect reading of Mahler's ninth symphony is one of DG's latest audiophile-quality recordings, and has a spacious depth to the sound which was highlighted by the Exposure. The enormous orchestra had weight and presence but wasn't artificially pushed forward, giving a naturalness to the orchestra matched at this price only by Audio Analogue's Puccini SE. What the Exposure doesn't have to same degree as the Puccini is a sweetness of treble that benefits classical music, but at least its great dynamics and weight make up for it. This said, it's still far less raw than previous Exposure amps, and adds a touch of ambience, making its reproduction of classical music superior to its predecessors.

This new Exposure sound is highly

addictive. It combines the slam, power and immediacy of the old amps with an ambience that was lacking before. The sound, whilst still tiring to some ears perhaps, is less dry and sterile and now enjoys some warmth too. It still isn't for 'old buffers' though - that isn't what Exposure is about - so if it's EL34-style sweetness you're after you should still look elsewhere. A fine amp for the price, then, that prefers kicking rock or banging techno over the impressionistic mist of Debussy's orchestration. Highly recommended as a step up from entry level integrations.

Exposure 2010 Titanium £599  
 Exposure Electronics Ltd.  
 The Works 59 North St.  
 Portslade East Sussex  
 BN41 1DH  
 Tel: 01273 423877  
[www.exposure-hifi.co.uk](http://www.exposure-hifi.co.uk)



**WORLD VERDICT**  
  
 Audiophilia at a sensible price, with a large, generous sound that's cohesive and controlled. A rocking sound that's not for the faint hearted.  
*Measured Performance see page 111*

# SEPARATE

After the split with Mission, it was only a matter of time before Cyrus launched its own loudspeaker. Simon Pope auditions the Cambridge company's first solo effort, the CLS70.

For those of you not in the know, Cyrus was launched back in the early eighties as the electronics wing of Mission. Under the charge of Henry and Farad Azima, it made high quality electronics at sensible prices. With sleek looks and lively sound, the original Cyrus 1 and 2 amplifiers gathered strong followings. More recently, the latest 5 and 7 integrations and the aCA7 and SmartPower pre/power have also gained critical acclaim, especially from us here at Hi-Fi World.

Mission and Cyrus recently went their own separate ways. This opened doors which had previously been shut for Cyrus. While its erstwhile partner had already dabbled in amplifiers with the striking 767/777 pre/power combo of the late seventies - the ones with the company name moulded into the front panel - it had steered well clear of 'speakers for obvious reasons.

Now the borders are down the Cyrus CLS70 is here. Although the company will do an NXT flat panel 'speaker early in the new year, this is a standard two-way design, albeit with outlandish high-tech looks that would blend in with the set of any of the Alien movies!

## VITAL STATISTICS

The first thing you notice about this 'speaker is its weight. Build is outstanding, with detachable polypropylene and metal grills, attached with metal fixing pegs. Whilst this may not sound groundbreaking, it's a welcome "cheerio" to bent up plastic fixing pegs. Indeed, the Cyrus CLS70 is full of little details like this which, you soon realise, justify the £800 price tag. The maple veneer for the cabinet for example,

comes from Italy and is smooth and beautiful to the touch. Size is quite chunky for a standmount at 220x330x300mm with an effective volume of 15 litres.

You don't just find attention to detail on the outside either, as its internal engineering is pretty special too. A two-way front ported, bass reflex design, it features a trick 165mm air-dried composite paper cone bass/mid unit complete with a machined aluminium phase plug. A 25mm coated, exposed silk dome tweeter deals with high frequencies. The crossover is a second order design using high specification components, such as air core LF coils and polypropylene HF caps. The cabinet features layered damping technology, as apparently used by the aerospace industry (for passenger airline sandwiches, perhaps?), striving for a rigid yet inert enclosure that's heavy and thick.

## THE SOUND OF CYRUS

We used the CLS70s with their matching Tripod stands, expensive, high quality brutes with vicious bottom spikes best kept well away from any Persian silk rugs you may have. The advantage of these is that the CLS70 can be firmly bolted to the top plate of the stands to ensure extra rigidity and bass control. The whole look of these 'speakers and the stands is definitely one for the boys - in your face, modern and macho! One thing to note is that they take a lot of driving, especially for a bass reflex design.

Once partnered to a beefy amplifier, however, they bust out bass with the best of them. Free from the waffle and flab often associated with ported 'speakers, they sound more akin to closed cabinet designs. The bass-heavy electronic pumping of Underworld's 'Push, Upstairs' from the album *Beaucoup Fish* powered through the room with great attack and control. Bass was deep and fast, and the incessant pounding of the sampled drums kept me on the edge





# LIVES

of my seat and the neighbours on my doorstep. Indeed the '70s go loud, but need appropriately powerful amplification so to do. Next I moved to the thrash-rock of the Foo Fighters' 'The Colour And The Shape'. This showed up good detailing, with all that manic drumming present, correct and lacking any signs of muddle. Dave Grohl's vocals sometimes sounded more forced than usual, and guitars could acquire a sharp edge - showing a forward midrange - but this still didn't detract from the effect of the music.

Where these 'speakers found the going harder was with recordings that need space, air and delicacy like the Emerson Quartet's recent live recordings of the complete Shostakovich string quartets on DG. The superb artistry of these players needs a sound that will carry the delicacies and playing techniques forward, but the CLS70s - perhaps due to relatively low sensitivity - rather strangled the atmosphere and made the music slightly compressed. This was a shame, as the recording venue, the Harris Concert Hall in Aspen, is a generous and warm one. Anyone familiar with these pieces will know this is the last thing such music needs, as its tight writing makes it already claustrophobic enough. However the sound was always controlled and cohesive, detailed and exciting when the music called for it.

A showpiece Reference Recording of Copland's 'Fanfare For The Common Man' played by the Minnesota Orchestra found these Cyrus loudspeakers far more at home. The deep bass extension in this recording gave the opportunity for them to show

what muscle they have in the nether regions. The bass drum intro thumped impressively with a natural decay and realistic dynamics. The accompanying brass instruments were bright and well polished and here there was more space to the sound than I found with the Shostakovich pieces.

The CLS70s are excellent with powerful and exciting music - classical, rock and dance included. Yet when the forces get smaller and more warmth is needed to create ambience, they seem to wane a little due to their power hungry nature. This apart, they're a very high

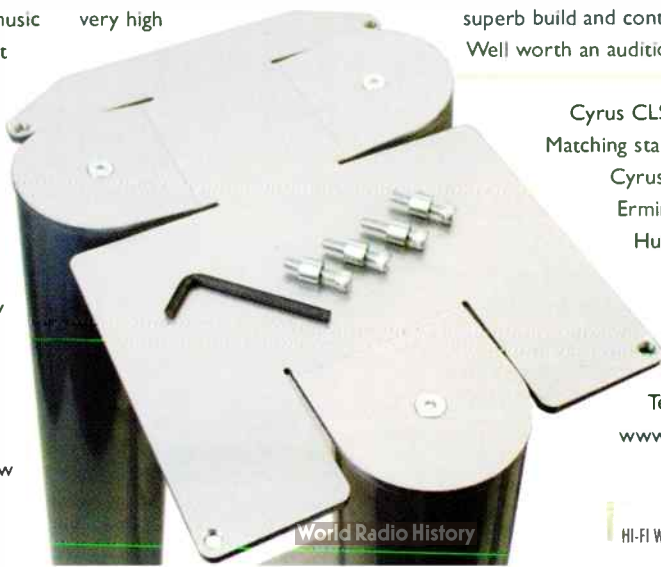
quality product with fine build and finish. Those who want bass - and plenty of high quality low bass - from a standmount should look no further but if your tastes are a bit more refined you could find them a bit dry. They work best with powerful, smooth sounding amps like Cyrus's own aCA7.5 and SmartPower combination, for example. There's plenty of classy competition around at this price level, so any standmounter has to be good to justify an £800 price tag. Fortunately the Cyrus CLS70s just succeed in holding their own, thanks to that superb build and controlled power. Well worth an audition. ■

Cyrus CLS70 £800  
 Matching stands £200  
 Cyrus Electronics Ltd.  
 Ermine Business Park  
 Huntingdon, Cambs  
 PE29 6XY

Tel: 01480-435577  
[www.cyrusaudio.com](http://www.cyrusaudio.com)

**WORLD VERDICT**  
  
 Great build. Excellent with rock and dance but could do with some warmth with acoustic music. Great pumping bass for a standmount!

Measured Performance see page 111



# TANNOY

With a remarkable seventy five years of history under its belt, Tannoy has something to shout about. David Price profiles the Glasgow 'speaker manufacturer's illustrious past and talks to its chief designer.



From Andrew Lloyd Weber musicals to the BBC, from ITN to NBC, from Tokyo Broadcast to Universal Studios, from the Sydney Opera House to the Hard Rock Hotel in Las Vegas, Tannoy loudspeakers can be seen and heard all around the world. Indeed, so omnipotent are the company's products that it's the only hi-fi manufacturer ever to have its own place in the Oxford English Dictionary.

It was at the end of the nineteenth century that Tannoy's founder, Rupert Guy Fountain, was born in Selby, Yorkshire. Changing his name to Guy R. Fountain in 1905 he later moved south to London. Radio was the new wonder of the time, spurring innovation. Guy was just 25 when he built his first wireless, developing a passion for audio electronics that would shape the rest of his life.

Shortly after John Logie Baird transmitted the first television pictures in 1926, Guy founded the Tulesmere Manufacturing Company. At the time, early radio sets used expensive, short lasting dry batteries or 'wet' lead acid cells that were in constant need of charging. Dissatisfied with the expensive mercury vapour rectifiers these chargers used he

began researching ways of simplifying the charging process, perfecting a new type of electrolytic rectifier which used two different metals, Tantalum and Lead Alloy. The name Tannoy was coined when he subsequently set up a tiny factory in Dalton Road, West Norwood, London to manufacture them.

The company was renamed Guy R. Fountain Ltd. in 1928, owners of Tannoy brand name. Bertram Mills Circus was an early customer for Tannoy Public Address equipment. Back

then Tannoy P.A. used valve amplifiers with Western Electric 555 tubes driving Voigt loudspeakers.

Two years later the thriving company moved to a new factory in Canterbury Grove and by the time the Second World War started in 1939 it was





# TODAY



employing a workforce of 40 people. Contracts with the Ministry of Defence saw PA systems installed in RAF airfields. 'Tannoy' fast became a verb, then a household name. By 1944, there was even 'a Tannoy' in the House of Commons too and in 1947 the word entered the Oxford English Dictionary for the first time.

A catalogue of ever more ambitious P.A. installations continued for Tannoy, from the UN building in Geneva to acoustically synchronised fairground systems. It was 1948, however, the year LP records were introduced and Bell Labs invented the transistor, that Ronald Rackham



produced Tannoy's well known 15" Dual Concentric loudspeaker unit; Decca ordered 900.

The company became increasingly involved in the recording side of audio, and studios from Decca's FFRR to EMI's Abbey Road bought Dual Concentrics.

Tannoy launched its 10" III LZ bookshelf loudspeaker in 1958, followed by the Monitor Red range the next year. By the time SME debuted its first pickup arm a year later, Tannoy had already appointed its first agent in Japan and Taiwan. Guy R. Fountain's son Michael was made MD

in 1962.

As Beatlemania gripped the world, Tannoy introduced its VariTwin Mk II Stereo pickup and the Lancaster loudspeaker. P.A. duties in the world cup the following year went to Tannoy and the famous Monitor Gold Dual Concentric range made its debut.

The 1970s started strongly when the new QE2 ocean liner got its P.A. and Sound Reinforcement courtesy of Tannoy, and George Martin's Air Studios were kitted out with Monitor Golds.

Disaster struck in 1974 when a fire at a cone manufacturing facility destroyed all the tooling, the result being no Dual Concentrics for 8 months. At this time the company was still in Norwood, but was looking a bit dated to the outside world. Hi-fi was now flowing in from Japan, stimulating a mass market in which Tannoy played little part. Everything was about to change.

In 1975 the company was sold to Harman and duly moved from London to Coatbridge in Glasgow, where it remains to this day. Harman sold Tannoy on to Beatrice Foods in 1977, also the year the company's founder, Guy R. Fountain, died.

Tannoy's management team

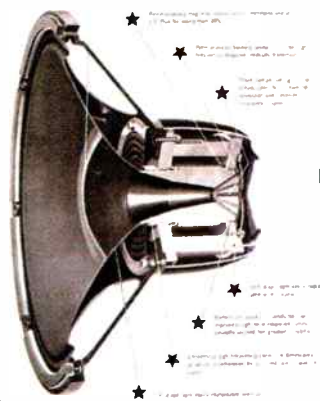
bought the company from Beatrice Foods in 1981, starting a new era. By the early eighties, the tube-obsessed Japanese market was appreciating the benefits of Tannoy's large Dual Concentrics, and the Westminster picked up the country's coveted Golden Sound award. On a more modest level, the

two-way Planet range was launched, including the Jupiter, Venus, Mercury and Saturn. This was extremely well received, the Mercury picking up a number of accolades.

Gathering strength progressively the company became the founding member of TGI

Group (Tannoy/Goodmans

International), and started reorganising the range yet again. After the middling sales performance of the distinctive Profile series, the more conventional looking Mercury range arrived, and proved a great success. With one of Europe's best selling loudspeakers on its books again, Tannoy was cautious about changing too much, and the subtly revised mX series was the result last year. At the same time, the company made sweeping changes, launching the new Saturn and Revolution ranges, giving the product line up of today. ■▶▶



[www.tannoy.com](http://www.tannoy.com)

# absolute sounds

recommended **source** components



"OUR CD PRODUCT OF THE YEAR FOR THE SECOND YEAR RUNNING, the Arcam Alpha 7SE continues to offer class-leading sound and sheer value for money." **WHAT HI-FI?** ♦ AWARDS 2000



**ARCAM Alpha 7SE**

"The 7SE still has that trademark Arcam fullness, but there's real spark and verve here, too. Detail retrieval and imaging abilities are top-notch for the price, while its command of rhythm and dynamics really brings the music to life." **WHAT HI-FI?** ♦ AWARDS 1999

**sale** £279

the sevenoaks sale

## why choose sevenoaks for compact disc?

As the main source component in most dedicated hi-fi systems, the quality of the CD player is vital, as any musical information lost at this stage cannot be retrieved later. **Sevenoaks** Sound & Vision have chosen models from all the leading manufacturers which, in our opinion, provide the very best performance, reliability and value for money. All CD players are sold with a minimum two year warranty, with extended warranties available, for peace of mind.

### selected cd players

Denon DCD835	<b>Sale</b> £219
Marantz CD6000 OSE	<b>Sale</b> £229
Marantz CD17 Ki Signature	<b>Sale</b> £999
Musical Fidelity A3CD	<b>Sale</b> £749
Musical Fidelity X-Ray	<b>Sale</b> £749
Roksan Caspian CD	<b>Sale</b> £749
Sony CDPXB330	<b>Sale</b> £89
Sony CDPXB930	<b>Sale</b> £229

### also available at selected outlets

Arcam FMJ CD23, Cyrus CD7, Naim CD5, Linn Genki, Meridian 508 24-Bit and Sony SCD555ES.

Mail Order not available on Arcam and Marantz Products

**Please Note:** Advertisement valid until at least 27th January 2001, E&OE

**marantz**



CD6000 Ki Signature CD Player

**sale** **★★★★★** **WHAT HI-FI?** ♦ SEPT 2000 **£429**

**ROKSAN** Kandy KC1 CD Player



**sale** **★★★★★** **WHAT HI-FI?** ♦ MARCH 2000 **£449**

**SONY** SCDXB940 SACD Player



**sale** **★★★★★** **WHAT HI-FI?** ♦ JULY 2000 **£429**

## essential accessories

We carry a wide range of interconnect cables, speaker stands, equipment supports and other performance enhancing accessories at all outlets.



# digital recorder



## Pioneer PDR509 CD-RW Recorder



CD-RW ♦ Digital Recording Level ♦ Coaxial & Optical Connections

Anyone looking at spending £300 on a digital recorder probably already has a CD player at least as expensive to feed it, and on which the copies made on the recorder are likely to be played. This is why the Pioneer PDR509 look Product of the Year gong in our 2000 Awards - not so much for its playback abilities, which are good but not stunning, but for the fact that here is a machine capable of high-quality recordings from digital sources.

WHAT HI-FI? ♦ NOVEMBER 2000

### The benefits of Recordable CD

With recordings which are virtually identical to the originals, CD-R has become the fastest growing recording medium. CD-R recordings are permanent and can be played back on any existing CD player, so they're good for making compilations or archiving irreplaceable records. CD-RW discs are ReWritable and may be re-recorded many times, however they will only play on the recorder itself or on some more recent CD players.

**sale £199**

## minidisc or cd-rw tuners and turntables

There is a wealth of entertainment available through Radio broadcasts and with the advent of Digital Audio Broadcasting, background noise and other distortions are a thing of the past. The turntable, still provides excellent sonic performance and with many recordings only ever issued on this medium, how about recording those irreplaceable records onto minidisc or cd so you can enjoy them in your car or on the move?

## selected digital recorders turntables and tuners

Denon TU260MK2	Tuner	<b>Sale £99</b>
Michell Gyro SE (RB300)	Turntable	<b>Sale £999</b>
Project Debut II - Black*	Turntable inc. CMM	<b>Sale £109</b>
Sony MDSJE440	MiniDisc Recorder	<b>Sale £139</b>
Sony MDSJE640	MiniDisc Recorder	<b>Sale £169</b>
Sony STSB520	Tuner	<b>Sale £99</b>
Sony STD777ES	DAB Tuner	<b>Sale £499</b>
Yamaha MDX596	MiniDisc Recorder	<b>Sale £159</b>

*Please Note: Some products are not available at all outlets  
\*Colours available at additional cost*

also available at **selected outlets**

Arcam FMJ DT26, Cyrus FM7.5, Linn Sondek LP12, Marantz ST17 and TAG McLaren Audio T32R.

### ARCAM Alpha 10 DAB Tuner



**sale** ★★★★★ **£679**  
WHAT HI-FI? ♦ JUNE 2000

### marantz®



### DR6000 CD-RW Recorder

**sale** ★★★★★ **£349**  
WHAT HI-FI? ♦ OCTOBER 2000

### SONY MDSJB940 MiniDisc Recorder



**sale** ★★★★★ **£229**  
WHAT HI-FI? ♦ OCTOBER 2000

absolute sounds

## two year warranty for peace of mind

As the UK's largest independent specialist hi-fi retailer, all home cinema and hi-fi separates come with a minimum two year warranty and ten day exchange.

# musical expression

a **selection** from our **unbeatable** range



**MUSICAL FIDELITY** X-A2 Amplifier

"Resolution is never in doubt, and yet this is music-making very definitely on the human scale, the X-A2 being as much about a natural balance as electrical ability. It's capable of driving even big, demanding speakers, is upgradable with the addition of extra Musical Fidelity power amps - when things get even more special - and is an absolute steal for the money."

WHAT HI-FI? ♦ SEPTEMBER 2000

Also Available:  
A3 Pre/Power Amplifier

**sale**

**£449**

the sevenoaks sale

daunted by **amplifiers**?  
**sevenoaks** can help  
you choose

With complicated and often meaningless technical specifications, choosing the right amplifier can be really daunting. **Sevenoaks** Sound & Vision will help you choose from our unbeatable range. With inexpensive integrated models to esoteric pre/power combinations, all of which have been selected for their performance and flexibility, you can guarantee finding an amplifier ideally suited to your requirements.

## selected amplifiers

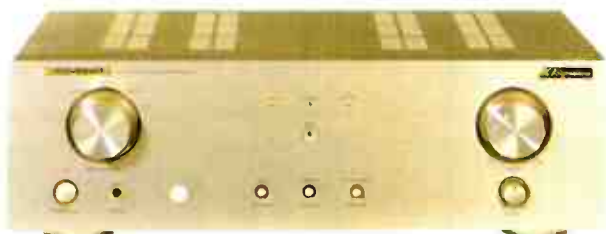
Arcam Alpha 9	<b>Sale</b> £399
Denon PMA255	<b>Sale</b> £119
Marantz PM6010 OSE	<b>Sale</b> £179
Musical Fidelity A3	<b>Sale</b> £799
Rotel RA931/II	<b>Sale</b> £149
Rotel RA971/II	<b>Sale</b> £229
Roksan Caspian 100 Integrated	<b>Sale</b> £649
Sony TAFB940R (ATD Component)	<b>Sale</b> £229

also available at **selected outlets**

Arcam FMJ A22, Cyrus 7, Meridian 551,  
Linn Kolektor/LK85 and TAG McLaren F3-60i.

**Please Note:** Advertisement valid until at least 27th January 2001, E&OE  
Mail Order not available on Arcam, B&W, Marantz and Monitor Audio Products

**marantz**



PM6010 Ki Signature Amplifier

**sale**



WHAT HI-FI? ♦ SEPT 2000

**£339**

**ROKSAN** Kandy KA1 Amplifier



**sale**

**£449**

ARCAM Alpha 10 Amplifier



**sale**

**£649**



## interested in **multiroom**?

Multiply the enjoyment of your system by liberating it from the confines of one room with the freedom of full function wireless remote control.

World Radio History





((( AE )))

ACOUSTIC ENERGY

AE1 Series II

- ◆ 25mm Magnesium Alloy Dome Tweeter
- ◆ 90mm Tri-Layer Alloy Mid/Bass Unit
- ◆ Teflon™ insulated OFC Copper Internal Wiring
- ◆ Encapsulated Crossovers
- ◆ Cherry or Rosemah Finishes Available
- ◆ Optional STAE1 Stands



**Also Available:**  
Monitor Audio Studio 20SE  
**sale £999** Black Finish



"But the best in the test are Acoustic Energy's AE1 Series IIs. The original design may be old but it's a good 'un and plays all types of music with the sort of power and solidity that is astonishing from such a small standmounter. Add class-leading resolution and excellent dynamics and the AE1s justify their original position as top dog."

WHAT HI-FI? ◆ DECEMBER 1999

**sale £699**

**save £300**

which **loudspeakers?**  
**sevenoaks** can help  
you decide

As the final component in any hi fi or home cinema system, the loudspeakers determine the way sound is presented. However, not only is it imperative that the loudspeakers work correctly with the amplifier and source components, but also do not react adversely with your room. With such a variety of bookshelf, stand mounted and free-standing loudspeakers available, it makes sense to choose **Sevenoaks** Sound & Vision, where we can help you find the perfect solution - all you need to do is listen!

selected **loudspeakers**

<b>Acoustic Energy</b> Aegis One	<b>Sale</b> £119
<b>B&amp;W</b> DM601S2	<b>Sale</b> £199
<b>KEF</b> Cresta 2	<b>Sale</b> £119
<b>KEF</b> Q35.2	<b>Sale</b> £299
<b>Mission</b> 771E	<b>Sale</b> £179
<b>Mission</b> 773E	<b>Sale</b> £359
<b>Tannoy</b> MX2	<b>Sale</b> £119
<b>Tannoy</b> R3	<b>Sale</b> £399

*Please Note: Some products are not available at all outlets*

also available at **selected outlets**

B&W CDM NT, Castle Classic Range,  
Jamo Concert Series and Ruark Contemporary Series.



MISSION

77 Series

- ◆ Includes Award Winning 773e and Highly Acclaimed 77DS and 771e
- ◆ Aerogel Bass/Mid Units
- ◆ 25mm Fabric Dome Tweeter
- ◆ Magnetically Shielded
- ◆ Bookshelf, Floorstanding, Centre and Surround Models
- ◆ Choice of Finishes Available

**New Q.2 Series**

- ◆ KEF's Fourth-Generation 'Uni-Q' Driver
- ◆ New 19mm Soft Dome Tweeter
- ◆ New 160mm Polypropylene Main Driver
- ◆ Upgraded Bi Wireable Crossover Circuit
- ◆ Diagonal Internal Cabinet Bracing
- ◆ Black Ash, Natural Cherry and Dark Apple Finishes Available



KEF **Q** SERIES  
POINT TWO

musical expression

a heritage for **hi-fi at sevenoaks**

For most of the specialist British brands featured, Sevenoaks are the UK's number one retailer, and are Arcam's largest dealer in the world.

World Radio History



the sevenoaks sale

## Scotland & North

### ABERDEEN

491 Union Street  
E-Mail: sevenoakshifi@btconnect.com  
9.30-5.30 Monday-Saturday  
9.30-7.00 Thursday  
**01224 587070**

### EDINBURGH

5 The Grassmarket  
Air Conditioned  
10.00-6.00 Monday-Saturday  
**0131 229 7267**

### GLASGOW

88 Great Western Road  
10.00-6.00 Monday-Saturday  
12.00-4.00 Sunday  
**0141 332 9655**

### HULL

1 Savile Row, Savile Street  
9.30-5.30 Monday-Saturday  
**01482 587171**

### LEEDS

112 Vicar Lane  
E-Mail: sevenoakshifi@btinternet.com  
10.00-6.00 Monday-Friday  
9.30-5.30 Saturday  
11.30-4.30 Sunday  
**0113 245 2775**

### LIVERPOOL

16 Lord Street  
Air Conditioned  
10.00-6.00 Monday-Friday  
9.00-5.00 Saturday  
**0151 707 8417**

### MANCHESTER

69 High Street, City Centre  
E-Mail: sevenoaks.manchester@btinternet.com  
9.30-5.30 Monday-Saturday  
11.30-4.30 Sunday  
**0161 831 7969**

### NEWCASTLE

19 Newgate Street  
E-Mail: 7oaks@btconnect.com  
9.30-5.30 Monday-Saturday  
**0191 221 2320**

### PRESTON

40-41 Lune Street  
Air Conditioned  
10.00-6.00 Monday-Friday 10.00-8.00 Thursday  
9.30-5.30 Saturday  
11.00-4.00 Sunday  
**01772 825777**

### SHEFFIELD

635 Queens Road, Heeley  
Air Conditioned  
E-Mail: SevenoaksSheffield@bun.com  
9.30-5.30 Monday-Saturday  
10.00-4.00 Sunday  
**0114 255 5861**

## Midlands & East

### BEDFORD

29-31 St Peters Street  
E-Mail: sevenoaks.bedford@lineone.net  
10.00-6.00 Monday-Friday  
9.30-5.30 Saturday  
10.00-4.00 Sunday  
**01234 272779**

### CAMBRIDGE

17 Burleigh Street  
E-Mail: sevoakscam@aol.com  
10.00-6.00 Monday-Saturday  
**01223 304770**

### ESSEX

1 The Grove Centre, Witham  
E-Mail: 7oakshifiwitham@btconnect.com  
9.30-5.30 Monday-Saturday  
Late Night Thursday by Appointment  
**01376 501733**

### IPSWICH

12-14 Dogs Head Street  
9.30-5.30 Monday-Saturday  
**01473 286977**

### LEICESTER

10 Loseby Lane  
E-Mail: 7oaks.leicester@virgin.net  
10.00-6.00 Monday-Saturday  
**0116 253 6567**

### LINCOLN

20-22 Corporation Street, City Centre  
Air Conditioned, Customer Parking at Rear  
E-Mail: sevenoakslincoln@yahoo.co.uk  
10.00-6.00 Monday-Saturday  
**01522 527397**

### NORWICH

29/29a St Giles Street  
Air Conditioned  
E-Mail: sevenoaks.hifi@virgin.net  
9.30-5.30 Monday-Saturday  
**01603 767605**

### NOTTINGHAM

597-599 Mansfield Road, Sherwood  
Air Conditioned  
E-Mail: sevenoaksnott@yahoo.co.uk  
10.00-6.00 Monday-Saturday  
**0115 911 2121**

### OXFORD

41 St Clements Street  
E-Mail: sevenoaks.oxford@lineone.net  
10.00-6.00 Monday-Friday  
9.30-5.30 Saturday  
11.00-5.00 Sunday  
**01865 241773**

### PETERBOROUGH

36-38 Park Road  
sevenoaks@peterborough0.freeserve.co.uk  
9.30-5.30 Monday-Saturday  
**01733 897697**

## Midlands & West

### BIRMINGHAM

12 Queensway Arches, Livery Street  
Car Parking Opposite  
9.30-5.30 Monday-Saturday  
**0121 233 2977**

### BRISTOL

92b White Ladies Road, Clifton  
Air Conditioned  
9.30-5.30 Monday-Saturday  
**0117 974 3727**

### CARDIFF

104-106 Albany Road  
E-Mail: 7oakswales@compuserve.com  
9.30-5.30 Monday-Saturday  
**029 2047 2899**

### CHELTENHAM

14 Pittville Street  
9.30-5.30 Monday-Friday  
9.00-5.30 Saturday  
**01242 241171**

### EXETER

28 Cowick Street  
E-Mail: sales@sevenoakshifi.net  
9.30-5.30 Monday-Saturday  
**01392 218895**

### PLYMOUTH

107 Cornwall Street  
9.30-5.30 Monday-Saturday  
Late Night Thursday by Appointment  
**01752 226011**

### SWANSEA

24 Mansel Street  
Air Conditioned  
10.00-6.00 Monday-Saturday  
11.00-5.00 Sunday  
Late Night Wednesday by Appointment  
**01792 465777**

### WORCESTER

2 Reindeer Court  
E-Mail: sales@sevenoak.demon.co.uk  
9.30-5.30 Monday-Saturday  
**01905 612929**

# christmas opening hours

Sunday 17/12  
Christmas Eve

Most Outlets Open - Limited Hours  
Most Outlets Open - Limited Hours

Christmas Day  
Boxing Day

Closed  
Closed

IMPORTANT: Due to regional variations, please confirm opening hours with your local outlet before you travel.



# outlets nationwide



At **Sevenoaks Sound & Vision** you'll find the widest range of quality products anywhere in the UK. Everything from the latest DVD players and Widescreen Plasma Televisions to amazing special offers, all with our outstanding service. You can be sure that Sevenoaks are always **more entertaining**.

## London & South East

### SEVENOAKS

109-113 London Road  
Air Conditioned  
9.30-5.30 Monday-Friday  
9.00-5.30 Saturday  
**01732 459555**

### BRIGHTON

57 Western Road, Hove  
E-Mail: 7oakshifibrigho@btconnect.com  
10.00-6.00 Monday-Saturday  
**01273 733338**

### BROMLEY

39a East Street  
Air Conditioned  
E-Mail: 7oakshifibromley@btconnect.com  
9.30-5.30 Monday-Saturday  
**020 8290 1988**

### CHELSEA

403 Kings Road, Worlds End  
Air Conditioned  
E-Mail: 7oakshifichelsea@btconnect.com  
10.00-6.00 Monday-Saturday  
**020 7352 9466**

### CRAWLEY

32 The Boulevard  
Air Conditioned  
E-Mail: sevenoakscrawley@aol.com  
9.30-6.00 Monday-Saturday  
**01293 510777**

### CROYDON

369-373 London Road  
E-Mail: 7oakshificroydon@btconnect.com  
9.30-5.30 Monday-Saturday  
11.00-4.00 Sunday  
**020 8665 1203**

### EPSOM

12 Upper High Street  
E-Mail: sevenoaks.epsom@virgin.net  
9.30-5.30 Monday-Friday  
9.00-6.00 Saturday 11.00-4.00 Sunday  
**01372 745883**

### GUILDFORD

73b North Street  
Air Conditioned  
E-Mail: 7oakshifigford@btconnect.com  
9.30-5.30 Monday-Saturday  
**01483 536666**

### HOLBORN

144-148 Grays Inn Road  
10.30-6.30 Monday-Friday  
10.30-4.30 Saturday  
12.00-4.00 Sunday  
**020 7837 7540**

### KINGSTON

43 Fife Road  
Air Conditioned  
E-Mail: 7oaks.kingston@breathemail.net  
9.30-5.30 Monday-Saturday  
**020 8547 0717**

### MAIDSTONE

96 Week Street  
Air Conditioned  
E-Mail: 7oakshifimstone@btconnect.com  
9.30-5.30 Monday-Saturday  
**01622 686366**

### READING

3-4 Kings Walk Shopping Centre  
9.30-5.30 Monday-Saturday  
**0118 959 7768**

### SOUTHAMPTON

33 London Road  
Air Conditioned  
E-Mail: 7oaks.soton@breathemail.net  
9.30-5.30 Monday-Saturday  
11.00-4.00 Sunday  
**023 8033 7770**

### SOUTHGATE

79-81 Chase Side  
E-Mail: NEILEP1@eggconnect.net  
10.00-6.00 Monday-Saturday  
12.00-4.00 Sunday  
**020 8886 2777**

### SWISS COTTAGE

21 Northwavs Parade, Finchley Road  
Air Conditioned  
sevenoaks@swisscottage.homechoice.co.uk  
10.00-6.00 Monday-Saturday  
12.00-4.00 Sunday  
**020 7722 9777**

### TUNBRIDGE WELLS

28-30 St Johns Road  
Air Conditioned  
E-Mail: 7oakshifitw@btconnect.com  
9.30-5.30 Monday-Saturday  
**01892 531543**

### WATFORD

478 St Albans Road  
E-Mail: 7oakshifiwatford@btconnect.com  
10.00-6.00 Monday-Saturday  
11.00-4.00 Sunday  
**01923 213533**



outlets nationwide

## New Outlets

Scotland & North

**EDINBURGH**

Scotland & North

**LIVERPOOL**

Midlands & East

**LINCOLN**

Midlands & East

**NOTTINGHAM**

## new year opening hours

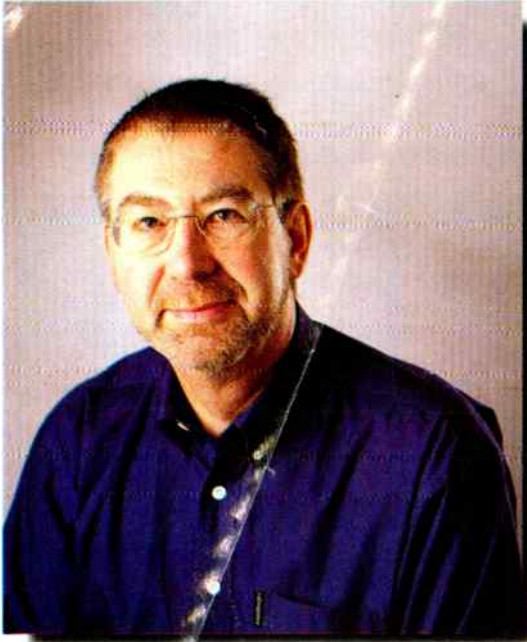
**Sunday 31/12**  
**Monday 1/1**

Most Outlets Open - Limited Hours  
Closed

**Sunday 7/1**  
**Sundays in January**

Most Outlets Open - Limited Hours  
Most Outlets Open - Limited Hours

**IMPORTANT: Due to regional variations, please confirm opening hours with your local outlet before you travel.**



## DAVID PRICE INTERVIEWS ALEX GARNER, TECHNICAL DIRECTOR, TANNOY.

the Autograph was brought up to date with the Westminster Royal, which has a huge reputation and following around the world.

Now, the Dimension Wideband range and the add-on

Super Tweeter look set to become 'classics' for the next generation of music lovers.

### WHAT ARE YOUR FAVOURITES?

The Westminster compound horn loaded speaker is still my favourite BIG speaker (four men are required to lift it into place) and when carefully set up this speaker can stir up the emotions with its fast transient performance. The 15 inch Duals never cease to amaze me in theatres around the world where the audience has no idea that they're providing substantial sound amplification for the performance.

Current favourites include the Dimension 12 Wideband for its ability to make your brain to forget you're listening to speakers.

### WHAT OF TOMORROW'S TECHNOLOGY?

There are many things to be investigated, such as new materials, finite element analysis to simulate the auralisation of speaker systems, innovative magnetic drive systems, cabinet construction and materials, filter design, active systems for the consumer world. There's time, amplitude and phase relationships in the psycho-acoustic interactions of

the ear, body and brain, and visually new and attractive industrial designs. Commercially we don't want to branch out into the other parts of the sound reproduction chain except to explore and innovate electronic systems where they can have a direct effect on speakers.

### WHERE DO YOU SEE THE FUTURE?

You can expect a move towards speakers offering very wideband performance with linear time responses. Expect more focus on appearance - our speakers will blend more effectively into domestic and business properties and also include a few 'statements' about classical British and European design thinking.

Active electronics will be incorporated within our speakers in the search for musical experiences in both consumer and professional applications.

Audio will continue to compete against the many other demands on peoples' spending abilities. I see a joining together of the various sources - movies, video, computing, broadcasting, home automation, music delivery software, home studio composition and recording. And they all require an audio element to make them acceptable to human beings.

Music is a part of our lives and will continue to be so. Fashions will change and the appearance design of audio will follow suit. The basic requirement for sound to be heard in a natural way will always be present and there will always be a dedicated band of people who appreciate this concept and hunt out the very best way of doing it. ■▲

### WHAT IS TANNOY'S PHILOSOPHY?

To be a world class designer and manufacturer of all types of speakers, for both consumer and professional applications.

### HOW IS TANNOY DOING RIGHT NOW?

As a subsidiary of a plc, I can't give specific sales figures but our holding group TGI plc has a publicly stated turnover of around £55M, and Tannoy is a substantial part of this. Our market is split into three equal sectors, the Far East, Europe and North America. Our product ranges have always catered for individual tastes in different markets, both consumer and professional. We have a very healthy spread around the world.

### WHICH PRODUCTS CAPTURE THE COMPANY'S ESSENCE?

In the beginning, under Guy R Fountain's control, Tannoy produced corner horn enclosures incorporating Dual Concentric designs which have a massive following. Speakers like the Autograph and Corner GRF (signed personally by Guy Fountain) are still highly regarded. The compound horn loaded design of

## speakers corner

### SPEAKERS' CORNER

Tannoy's Alex Garner joined the company in 1976 as Chief Transducer Engineer. He had previously worked for Wharfedale for 6 years designing loudspeakers, before which he'd completed a degree in Electrical and Electronic Engineering at Leeds University. David Price spoke to Tannoy's top speaker man about the company, the speakers, and the future.

## power points

why dual concentrics are better. - Tannoy owes much of its success to Dual Concentric technology. By positioning the tweeter immediately behind the bass driver cone, all frequencies emanate from a single point. - This 'point source' mirrors the way sound is produced in real life, giving a naturally located and well dispersed acoustic. It also gets a frequency response and phase response that is not affected by nodal-cancellation that's unavoidable in conventional multi-way speakers. The system is also able to go loud without compression, and is famous for its fine transient response and load characteristics. - There are a number of famous designs based on this principle, including Stentorian, KEF, the RCA "LCIA" and the famous Altec 604-series. Tannoy's successful use of dual concentric drivers has made its speakers a particular favourite of valve amplifier users around the world, particularly in the Far East.



# CROWNING GLORY

David Price casts an affectionate ear over Tannoy's most outrageous creation ever, the Westminster Royal Dual Concentric loudspeaker.

There are big 'speakers, massive 'speakers and Tannoy Westminsterers. Surely one of the most striking things ever to make a sound, other manufacturers' top-of-the-range designs look small and flimsy by comparison. The king of Tannoy's Prestige Range, this product is truly remarkable, however you look at it.

Intimidating physical presence aside, the fact that it's lasted so long is a testament to Tannoy design philosophy. While loudspeaker fads come and go, the Westminster has remained loyal to tradition. For example, back in the seventies and eighties, everyone from KEF to Linn were doing hopelessly complex, multi-driver designs that sapped power so much you needed a direct line into the National Grid to get a squeak out of them. Back then, the Westminster would have seemed a silly irrelevance, a ridiculous anachronism, a blast from the past. Now though, tubes are back in fashion and efficiency is good, and the big Tannoy's design seems plain common-sense.

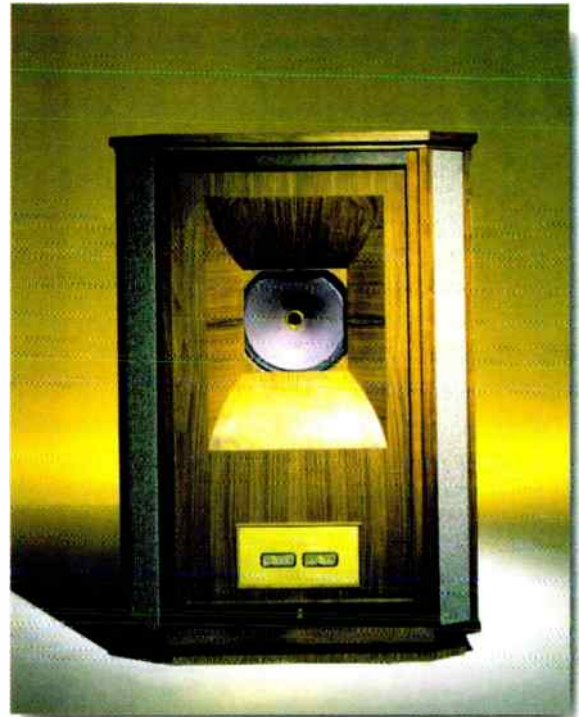
Although its styling makes it look like something from the early Baroque period, it does not sound old and limp. Actually, this is one of the fastest, most lithe and musical speakers you'll ever hear. This is down to a combination of its huge Dual Concentric driver in Tannoy's largest 15 inch (380mm) incarnation, and the awesome compound horn loaded 530 litre cabinet. The result is a mind boggling 99dB sensitivity figure, which even if powered by a Discman would most likely blow your windows out. Couple this to 225W RMS power

handling, thanks to the driver's premium spec twin roll fabric surround, Alnico magnet system and Tulip Waveguide, and you've got something that's louder than a Motorhead gig with the PA turned up to eleven.

The frequency response characteristics are another reason to drop your jaw - the Westminster goes down to 18Hz (at -6dB), making it possibly the best ever loudspeaker for the likes of Roni Size and LTJ Bukem - drum'n'bass will never sound the same again. Despite this the dual concentric tweeter manages 18kHz (at -6dB), which is just about decent enough for smooth treble. But couple it to Tannoy's Prestige Super Tweeter, and you're really talking.

With its massive power handling, tremendous sensitivity and subterranean bass characteristics, the Westminster can easily get the better of most PA stacks, but its air shifting abilities aren't really the point. Musicality is what this speaker has in spades, thanks to its lightning transient response (a drive unit with a magnet the size of China moving a featherweight paper cone is hardly going to be slow, now, is it?) There's also the fact that the Dual Concentric design crosses over acoustically at 200Hz and electrically at 1kHz, both of which are a long way from the ear's most sensitive area. Factor in the Westminster's almost unique attribute of having an enclosure with a wavefront area approaching that of real instruments, and you can see why sound flows out of this behemoth so effortlessly.

The downsides of the Westminster are twofold. Firstly, with



that huge paper cone flapping around in the breeze, there's quite a lot of cone distortion that you wouldn't get with stiffer, more advanced materials like Aerogel or Carbon Fibre. So don't expect it to be as refined, subtle and detailed as an electrostatic. The second problem is placing the darned things. Assuming you can afford to buy a pair, you'll have to be rich to own a listening room large enough to swallow two 1395x980x560mm boxes (or should that be buildings?). Oh, and best pay someone else to install the combined 276kg of heavily damped and internally cross-braced solid walnut with 25 birch ply!

Tannoy's Westminster Royal Dual Concentric loudspeaker

It's a shame that these loudspeakers are so comprehensively ignored in their home market of Great Britain. Ironic, considering that in Far East markets they're practically de rigueur for lovers of valves and vinyl. Used in conjunction with a decent single ended tube power amp and a well preserved Garrard/ SME/ Decca combination, there are few better ways to experience jazz music without going to New Orleans. Still, this latter option may be cheaper in the long run - if you can find a pair of Westminsterers, expect to pay what the seller is asking, which will likely be at least a king's ransom. ■▲

## COUNTDOWN TO



**23 - 25 February 2001**

10am - 5pm every day  
at the Marriott Hotel,  
Lower Castle St., Bristol

### GETTING TO THE SHOW

By train: Temple Meads Station is a short distance from the Marriott and is accessible by bus, foot or taxi.

By car: from the M4 take J19 (M32 - Bristol). Follow signs for City Centre and RAC signs to the Show.



Easy local parking in Broadmead and Bond Street NCPs.

ORGANISED BY

**audio**   
EXCELLENCE  
WHERE THE MUSIC MATTERS

**audio** 

*Great Value Sound & Vision*

in association with

**WHAT HI-FI?**

# SOUND & VISION THE BRISTOL SHOW

**SEE & HEAR ALL THE LATEST PRODUCTS UNDER ONE ROOF, INCLUDING...**

**ACOUSTIC ENERGY:** the ultra compact AEgo 2 system, the official UK launch of the AEspirit series and preview of the forthcoming AEgis Evolution series

**ARCAM:** the FMJ DV27 high-end DVD player and DiVA range

**DENON:** DVD-3300 DVD-Audio player; first UK 'DTS 6.1 Discrete' & 'DTS Neo6' home cinema demonstrations and the AV-F100 world's first mini home cinema system using NXT™ flat panel speakers

**DYNAUDIO:** the new Audience series will be making its UK debut

**ELAC:** four new IMAGO NXT™ flat panel speakers

**MISSION:** the new FS series of speakers - the ultra flat home cinema package using NXT™ technology

**NAIM:** the new 5 series products

**REGA:** first time at what they consider to be the "UK's best show"!

**WILSON BENESCH:** new Discovery stand mount loudspeaker

**WHAT HI-FI?:** there in person to answer all your questions

**GREAT DEALS AND SPECIAL OFFERS AVAILABLE ONLY AT THE SHOW - PLUS YOUR CHANCE TO WIN SOME SUPERB PRIZES IN THE SHOW COMPETITION**

### Admission

Adults £6.00; Students/OAPs/UB40s £3.00;

Accompanied children under 16 free

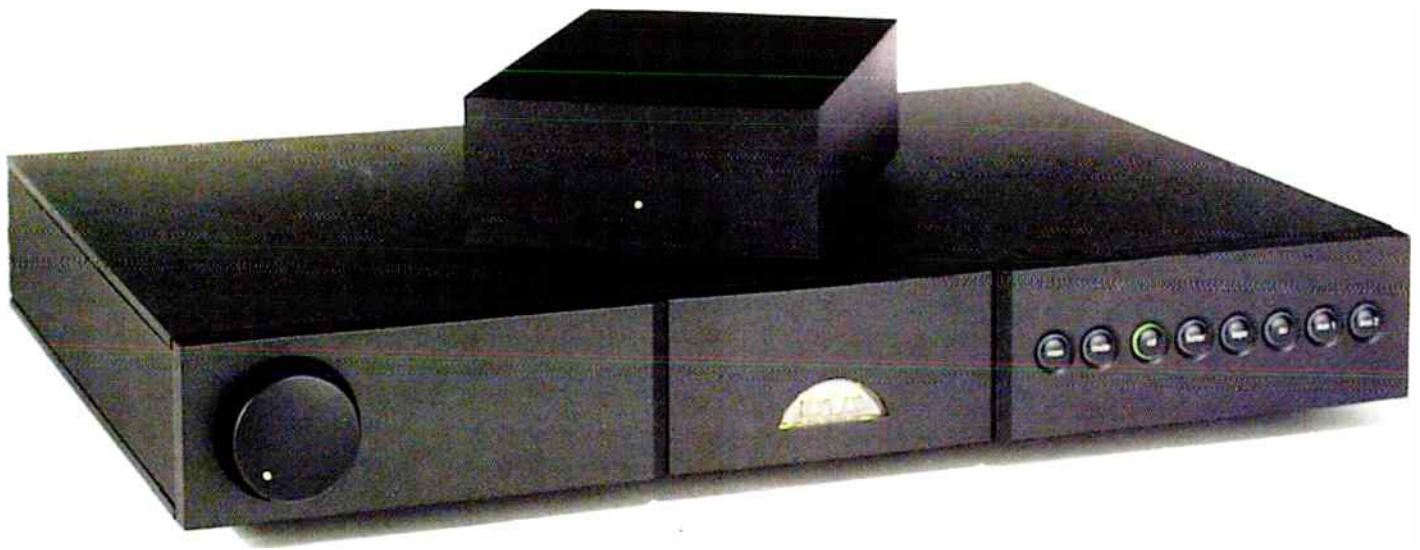
### BRANDS ON SHOW INCLUDE:

Acoustic Energy, AKG, Alchemist, Aldenkamp, Allsop, ALR Jordon, Apollo, AR Phantom, Arcam, Atacama, ATC, Audio Analogue, Audio Note, B&W, Bandridge, Beauhorn, Bose, Boston, Bryston, Cable Talk, Case Logic, Celestion, Cherished Records, Chord Cables, Chord Electronics, Clearlight Audio, Connect Link, Cyberwave, Cyrus, Dali, Denon, Diapason, Digital One, Diverse Vinyl, Dual, Dynaudio, Elac, Final Acoustics, Genelec, Graaf, Henley Designs, Heybrook, Hi-Fi News Accessories, Hi-Fi Plus, Hi-Fi World, HNE Systems, Incognito, Indigo, Ixos, Jamo, KEF, Kontak, Lexicon, Marantz, Meridian, Michell, Mission, Monitor Audio, Monrio, Monster Cable, Moth, Myryad, NAD, Naim Audio, Nakamichi, NHT, Nordost, Nova Sonique, Opera, Optimum, Ortofon, Parasound, Pioneer, PMC, Polk, Primare, Pro-ject, ProAc, Prowire, Puresonic, Quadral, Quadraspire, Reference Music Systems, Rega, REL, Ruark, Russound, Sennhesier, Solid, Sonic Link, Sonus Systems, Sony, Sound Organisation, Sound Spikes, Soundstyle, Stands Unique, TAG McLaren Audio, Tannoy, Target, Teac, Technics, The Direct Disc, Timbre Stage, True Colour Industries, Tube Technology, Unison Research, van den Hul, Veda Products, Veritas Horn Systems, Vienna Acoustics, Vivanco, Vivante, VPI, What Hi-Fi?, Wilson Benesch, XTC, Yamaha and many, many more...

For the very latest information check



# alive and kicking



Naim's long awaited '5 series' is finally here, offering punchier sound, superior finish and greater sophistication. David Price auditions the Nait 5 integrated.

Remember the original Naim Nait? I do. After reading a glowing review of it back in 1986 in the now defunct Hi-Fi Review, I lusted after one for ages. When I finally got to a dealer for a dem, I realised it wasn't really for me. Although superbly musical, it was far too compromised in other respects and just not a practical solution to my upgrading problems.

The subsequent Nait's (that's 2 and 3 - I presume 4 was omitted, thanks to it being an unlucky number in the far east!) were less extreme, but still far too out-on-a-limb for most hi-fi buyers. The 2 was little more than a 1 with slightly more power and neater styling, while the 3 was to the 2 what the 2 was to the 1, if you see what I mean. By the time I reviewed the Nait 3 back in 1994 it was definitely a more practical proposition, but you still got the feeling you were buying something overly reminiscent of British hi-fi's 'cottage industry' past.

Against this background, the new 5 is a revelation - pull it out of the box and its new low-vibration cast and machined aluminium chassis feels as beautifully built as any of the company's high end stuff. Then there's the styling. I for one couldn't help thinking Naim's early nineties re-style wasn't very successful, so I wholeheart-

edly welcome the new '5 series' look with its styling cues taken from the company's flagship NAP 500 power amplifier.

OK, so the new front panel isn't going to win any Design Council awards but it looks neat, subtle, well judged and classy. Indeed, if Naim offered the option of a silver finish, you could even call it modern! Better still are the ergonomics. The simple row of backlit push buttons for source selection and muting are superb to the touch (far nicer than the slightly tacky feeling Nait 3) and lend an air of sophistication. Shame about that rough volume pot, though.

In truth though, none of the above have ever been Naim strengths. To its credit, through the years the company has remained unfashionably unconcerned with features and fittings, instead choosing to focus its gaze on the what lies within. Rather than fitting sonically dubious digital volume controls or crude motorised potentiometers, the preamp section has a discrete resistor ladder (a hard wired network of top quality, hand selected resistors) which acts just like an old fashioned volume pot, except that it's more accurate, reliable and quieter. The power amp section is a downsized version of the awesome NAP 500, offering faster signal transi-

tion times and better rejection of power supply noise. The new transformer has separate windings for the preamp and power amp circuits, and unlike the Nait 3 all preamp supplies are double regulated.

In total contrast to its predecessor, all six inputs on the Nait 5 are controlled by a microprocessor. This only powers up to interpret a button push, and then goes to 'sleep' again so as to not pollute the signal path with noise. By using this 'fly-by-wire' system, it means Naim can also offer user-programmable gain matching for each input, a unity gain option for surround sound systems and remote controlled balance too. As per Nait 3, there's a preamp output for hooking up the brand new NAP 150 power amp, a plug-in power supply option for a FLATCAP (which can drive the Nait 5's preamp and a CD5 CD player at the same time), and the excellent sounding Stageline phono stage option. It's a very versatile set-up, with great flexibility and upgrade options built in as standard.

Naim customers are more sophisticated these days. Lest we forget, there was a time back in the 'flat earth' eighties when many of the company's acolytes wouldn't have a CD player in the house, let alone contemplate buying a remote control preamp. ▶▶



A3 RANGE.

MACHINED, MIL-SPEC ALUMINIUM  
FRONT PANEL.

TWENTY-FOUR CARAT GOLD  
PLATED FITTINGS.

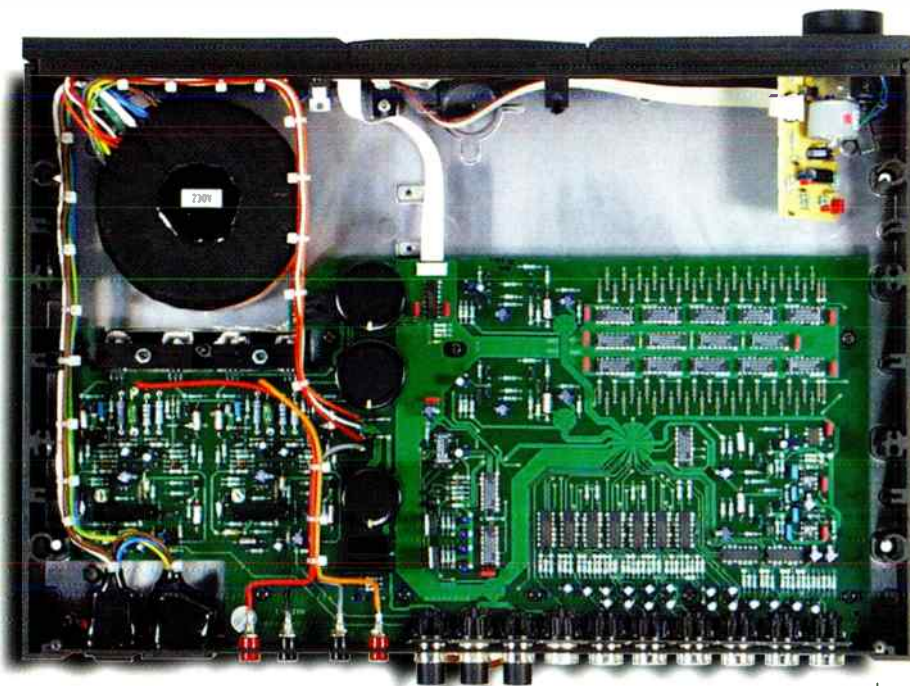
REMOTE CONTROLLED.

PHONO STAGE.

POWERFUL, ROBUST, BUILT.

**MUSICAL FIDELITY**





▶▶ The trick Naim has had to play is to keep these extremists on board, whilst appealing to an altogether more 'real world' brand of listeners, those who've grown up used to the idea that you don't have to sandpaper your stylus at the end of every track. The key design objective of the Nait 5 was to embody this.

**SOUND QUALITY**

If, as LeCorbusier would have it, 'design is intelligence made visible', there are some very bright people at Salisbury right now. Despite its radical engineering changes, the unmistakable Naim sound is still very much there. First and foremost this means a delightfully strong, firm and tuneful bass - this amp takes any piece of music and frames it around the bassline. This becomes the architectural foundation for the rest of the mix - everything that subsequently appears in the music is woven into those all important low frequencies. Compare the Nait 5 to any other integrated, from Cyrus's 7 to Sonneteer's Alabaster, and its rivals seem soft and spongy by comparison. As sure as night follows day, the Nait 5 spotlights glaring weaknesses in the way these amps reproduce music, like it's saying 'look what they're doing wrong'.

The way the Nait 5 handles dynamics is totally unlike other

sub-£1000 integrateds. Amazingly, even at really high volume levels driving difficult loads, the baby Naim goes ever louder when the occasion demands it, while others run out of steam despite their higher 'on paper' output power. Driving my big Yamaha NS1000Ms hard (which have high sensitivity but are a nightmare load), the Nait just kept going louder without a hint of break-up, whereas lesser amps just lose it in the bass or trigger their thermal cut outs. The only better amps I've heard in this respect are Naim's own NAP250 and Musical Fidelity's XA-200 - every other one I've tested - valve or transistor, power amp or integrated - has come off severely bruised after trying to wrestle my NS1000Ms at very high levels.

The combination of power and control is the key to the Naim sound, one which some love and others hate. Music suddenly becomes tremendously urgent and engaging, what ever it is you're listening to. Because basslines don't stop playing as soon as there's a loud bit elsewhere (i.e. a drum hit hard, or crashing piano cadences), you get a convincing sense of 'liveness'. If this is what you're after, no other integrated amp anywhere near the price comes even close.

The trouble starts when you begin to listen 'critically', rather than relaxing into the groove of the music. As you'd

expect, Chic's 'Good Times' is a feast of rhythms through the Nait 5, but the female singers' voices sounded just a touch too glassy. Those deliciously sumptuous strings - a jaw-dropping delight with valves - came across as generic and airbrushed, almost as if they'd been sampled. Those hi-hat cymbals that feather through the song sweetly with other

amps sounded grey, unatmospheric and rolled off through the Nait. It's lacking in other respects too. MJ Cole's 'Crazy Love' showed how the Cyrus 7 set up a considerably wider soundstage which really reached out of the speakers and grabbed you. The Nait 5 on the other hand seemed to be working on an altogether smaller canvas. Although image location was supremely tight and accurate within the soundstage, the soundstage itself reached out less both vertically and horizontally.

So, the new Nait 5 is nothing new inasmuch as it's a highly focused design which over-achieves dramatically in some respects, but is an also-ran in others. What's so great is the balance Naim has struck with its new baby - it's so supremely capable at what it does well AND it now boasts similarly accomplished build, facilities, connectivity and upgradability. This makes it one hell of a bargain if a punchy 'transistor' sound is what you crave. It's arguably the world's best entry-level audiophile amplifier right now, a sort of Subaru Impreza Turbo of the hi-fi world. True enough, compared to the Naim Nait 5, all other integrateds sound positively pedestrian. ■▲

Naim Nait 5 £799  
Naim Audio Southampton Rd.  
Salisbury Wilts SP1 2LN  
Tel: 01722 332266

**the wax factor**

One of the great things about Naim amps is that you can be sure they'll have a quality phono stage. All Naits, from 1 to 3 have been well endowed in the vinyl department, and the 5 is no exception. This time though, Naim have used a separate box called the Stageline. Impressively, you can drive it from a separate Flatcap or Hi-Cap PSU, but even fed from the Nait 5 it sounds superb. Vinyl's naturally smooth and rich sonics seems to suit Naim phono stages down to the ground, complimenting their tight, detailed and fast character. The result is a wonderfully fluid and musical sound from MM or MC. Nait 5 owners should have no hesitation choosing it over similarly priced rivals from other manufacturers.

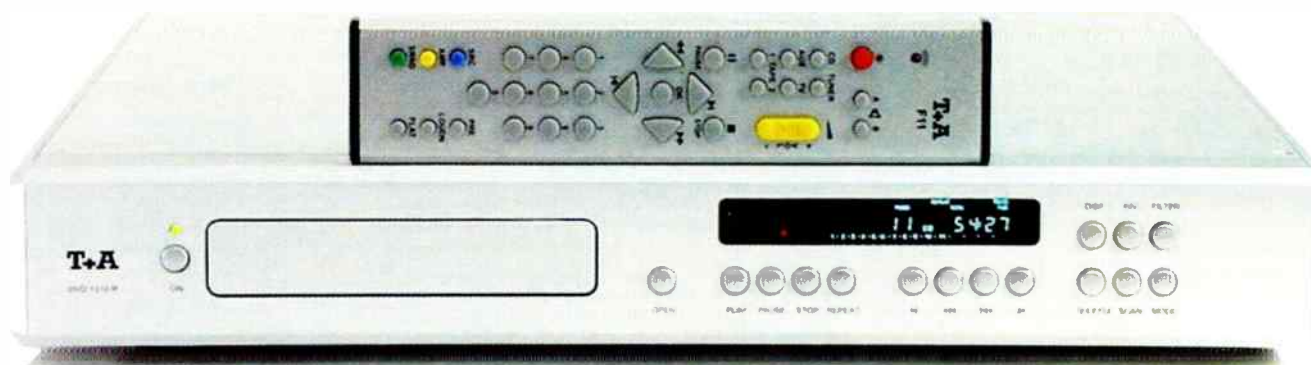
**WORLD VERDICT**

£★★★★★  
An exquisitely musical, dynamic and punchy sound but flawed elsewhere. Superb build and ergonomics make it a far more accomplished all rounder, and one of hi-fi great bargains right now.  
Measured Performance see page 111



# T+A, VERY

The latest in a fast developing line of 'audiophile' DVD players hails from the



When the first few DVD players from the likes of Panasonic seeped onto the market, many audio reviewers' ears pricked up at the smooth, sophisticated sound, especially with 24/96 audio recordings. As the public became more interested in the format, things tailed off at the audiophile end slightly and the next generation of models concentrated on what's essentially the bread and butter of the Digital Versatile Disc, visuals.

What goes around comes around however, and in addition to high-end DVD models from Meridian and TAG McLaren Audio we've recently seen UK audio companies such as Arcam and NAD launch AV products with the emphasis on audio performance. They're not alone - DVD players from specialist hi-fi companies such as Musical Fidelity, Roksan and Sonneteer are imminent.

Another company renowned for its audio products trying out the choppy DVD waters is German high-end manufacturer T+A, with the DVD 1210R. Until very recently 'Theory plus Application' was little known outside Germany and Scandinavia. The company was founded in Herford, Germany in 1978 and started by designing transmission line and active loudspeakers. Now the product range is so varied it even includes CD players, amplifiers, loudspeakers and other electronics, including digital A/V

systems in the Meridian mould, plus its own TV.

However, there's no hint of 'Jack of all trades, master of none' about T+A. Although its heart remains in true audiophile hi-fi, it has put equal time, research and preparation into every product. Like Naim, the distinctive 'house' looks are functional and cool, concentrating on what's inside as opposed to flashy front panel adornments. It's this deep belief in true hi-fi that benefits the DVD 1210R. Whilst other manufacturers' high end DVD players simply don't match their similarly-priced CD players (Denon's £1,500 DVD-5000 springs to mind), the DVD 1210R most certainly does.

## HIGH TECH

The drive mechanism used in the 1210R is a pressure cast chassis with linear laser guidance and two matched lasers of different wavelengths, each designed specifically for DVD and CD discs. It also reads CD-R/RW discs and the trademark slimline but solid casework ensures very little vibration indeed. The DVD 1210R also uses the same dual mains power supply unit as the 1210R CD player, which has separate sections for digital and analogue circuits with separate transformers. Number crunching is by 24/192 digital converters used in double mono, symmetrical mode, leaving the 1210R

potentially upgradeable to DVD-A.

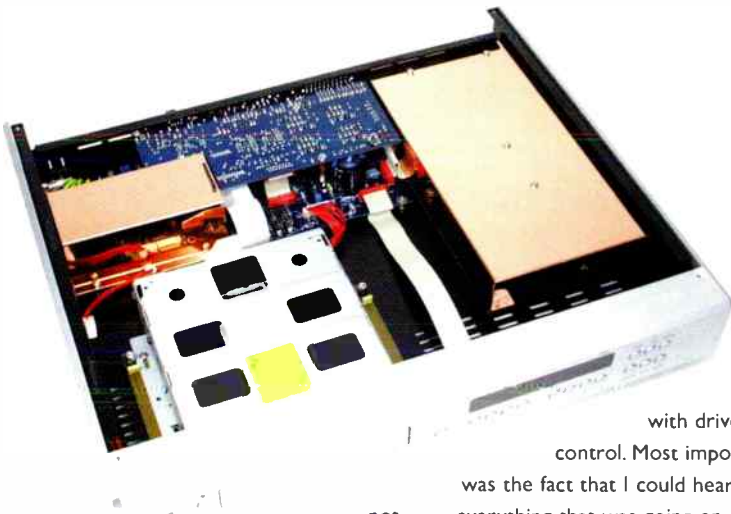
Round the back we have three digital outputs, one coaxial in stereo mode for an external stereo DAC or digital recording use, plus one optical and one coaxial for connection to a surround processor. Analogue outputs are limited to stereo only (two sets), the lack of surround analogue outputs showing the 1210R has no internal decoder, like Philips' DVD960 'audiophile' player. Presumably the manufacturers think discerning buyers will appreciate the advantages of an external processor, or alternatively could be showing that this is predominantly an audio player that also happens to play DVD discs. On the video connection side we have a SCART AV output, coaxial video out and an s-video socket.

One of the most impressive and interesting aspects of the player lies in its four digital audio filters. The 1210R employs a programmable digital signal processor which can use digital filters capable of better oversampling than that found in 'off the shelf' filters, the company claims. In addition to the ordinary filter setting (long FIR) there is a short FIR filter [1], an IIR [2], a Bezier/IIR [3] and pure Bezier type [4]. These four filters all have different but subtle tonal characteristics that proved effective and fun to play with. The look of the player is one of sleek sophistication. This is deceptive as it's



# MUCH

German high-end engineering company T+A. Simon Pope is suitably impressed.



not the easiest of machines to use once you're slouched on the sofa with the remote, although the front panel has an unusual bounty of controls when compared to the competition.

## MUSIC TO THE EYES

Hard work usually pays off, and all the hours put into the DVD1210R results in one of the finest sounding DVD players around. It really deserves the branding 'hi-fi' and all the trappings that come with it. When one listens to a DVD player these days you can't help judging the sound of it with a certain amount of trepidation. Most punters buy them because they play films and also happen to do audio very much as a second fiddle. Not so here. Indeed, I completely forgot I was listening to a DVD player because it spins CDs so damned well!

Everything I put into the drawer achieved a sense of detail and smoothness that is the mark of a true high end CD player. The Smashing Pumpkins' 'Machina' blasted through my Mission 782 'speakers

with drive and control. Most important was the fact that I could hear everything that was going on, which is no mean feat as this is one pretty tripe recording! It's as if the producer got a little too drunk one night and tried every outboard effects unit in the studio, all at once. The result is a sound which demands the best equipment to bring out every layer in the mix, which the T+A did without any problems. Billy Corgan's Kermit-like vocals were detailed and forward, with just the right amount of sibilance while the awesome drumming of the opening track beat away behind, every nuance and cymbal hit clear as a bell. When the guitars became a bit too grating, a swift run through the filters smoothed out the edges very subtly.

Next I trawled through my usual array of acoustic review discs such as Copland's Fanfare For The Common Man on Reference recordings, Eric Bibb and Needed Time's 'Good Stuff' on Opus 3 and Beth Orton's 'Trailerpark'. All were reproduced with control, sensitivity and involvement in equal measures, each one passing the essential 'toe tap test' - and when you tap your toes to music you don't particularly care for,

you know your hi-fi is doing its job.

Remembering that this thing actually played video discs as well, I loaded up Karajan conducting the Vienna Philharmonic in Dvorak's ninth symphony (with such as musical sounding player, it hardly merited The Matrix) and linked it up via SCART into the TV. Getting the settings sorted was a bit of a hassle, especially with the slightly ambiguous remote but once I was up and running in two-channel mode the performance was excellent. Picture quality was natural and clear and for a moment I was transformed into the Musikverein's front row watching the old man wag his stick at first hand. This is where blockbuster movie haters can still benefit from the DVD format. The whole point of hi-fi (correct me if I'm wrong here) has always been to bring live performance into the home, so you could theoretically say that, at this level, DVD is one step closer to this, with the prospect of DVD-A a further leap forward.

The DVD1210R is a bit of a rarity among DVD players because you basically forget it is one! In direct opposition to the majority of the competition, this machine plays music so well that it's worth considering as a primary music source that just happens to play films, rather than the other way round. If I have any complaints, it's that it can sometimes sound unmistakably Teutonic (i.e. a little sterile and dry), but it's always controlled and detailed. So if you're thinking of buying a CD player at this price, give yourself an earful. ■▲



T+A DVD 1210R £1,500  
 BBG Distribution Ltd.  
 Unit 3 Barrett Way Tudor Rd.  
 Harrow Middlesex  
 HA3 5QS  
 Tel: 020 8863 9117

**WORLD VERDICT**

At last, a DVD player that's also a great sounding high-end CD player. It certainly makes music its priority.

*Measured Performance see page 111*



# stock clearance

Sevenoaks stock clearance is a chance to pick up a genuine bargain. Stocks are limited, so be quick! Everything is **ex-display** and sold with instructions, accessories, packaging and manufacturers warranty. Nothing is Second-Hand. All products are coded e.g OX = Oxford, this indicates the outlet or outlets where the product may be found. Please confirm availability before travelling.

## cd players

ARCAM	ALPHA 8	£299	SG
ARCAM	ALPHA 8SE	£369	OX, PB, SG, STW, SW
ARCAM	ALPHA 9	£579	BRS, OX, SG, SH, STW, SW
CYRUS	DAD1.5	£319	BRS
CYRUS	DAD3Q24	£579	BRS, CHL, STW
CYRUS	DAD1	£229	STW
CYRUS	DAD3	£349	BRS, STW
CYRUS	DAD3Q	£529	STW
CYRUS	Q24 MODULE	£199	STW
MERIDIAN	506-24 BIT	£949	STW
MERIDIAN	508-24 BIT	£1699	STW
MERIDIAN	500 TRANSPORT	£1049	STW
MERIDIAN	566 DAC	£849	STW
MERIDIAN	566-24 BIT DAC	£1099	STW
MYRYAD	MC100 (SILVER)	£499	NEW, SW
MYRYAD	T10	£199	BED, EP, PL, SG, STW
MYRYAD	T20	£299	PL, SG, STW
PIONEER	PDS505 PRECISION	£299	OX, SG
PRIMARE	D20	£499	NEW
ROKSAN	CASPIAN MKI	£599	HU, STW
ROTEL	RCD951	£249	CA, EP, PB, SH, STW
ROTEL	RCD971	£349	KI, PB, STW
ROTEL	RCD991	£599	CHL, EP, KI
JOHN SHEARNE	PHASE 7	£899	NEW, STW
TAG MCLAREN	F3-DAC20 DAC	£699	STW
TAG MCLAREN	F3-CDT20R TRANSPORT	£899	STW
TALK ELECTRONICS	THUNDER 1	£419	HU
YAMAHA	CDX493	£89	LEI, RE, SH, STW

## amplifiers

ARCAM	ALPHA ONE INTEGRATED	£169	RE, SG, SH, STW
ARCAM	ALPHA 7R INTEGRATED	£229	MOST OUTLETS
ARCAM	ALPHA 8R INTEGRATED	£299	MOST OUTLETS
ARCAM	ALPHA 9 INTEGRATED	£369	BRS, CHL, RE, SG, SH, STW
ARCAM	ALPHA 10 INTEGRATED	£569	MOST OUTLETS
ARCAM	ALPHA 10P POWER	£449	MOST OUTLETS
ARCAM	ALPHA 8P POWER	£199	SW, STW
ARCAM	ALPHA 9C PRE	£249	BRS, STW
ARCAM	ALPHA 9P POWER	£299	OX, STW
CONRAD JOHNSON	PV10L VALVE PRE	£899	IP
CONRAD JOHNSON	MV55 POWER	£1399	IP
CYRUS	ACA7 PRE	£599	KI, STW
CYRUS	APA7 POWER	£799	KI, STW
CYRUS	MR3 MULTIROOM	£449	STW
CYRUS	XPA POWER	£249	STW
DENON	PMA250SE	£89	LEI, OX, RE, STW
DENON	PMA350SE	£109	MOST OUTLETS
EXPOSURE	21RC PRE	£499	STW
EXPOSURE	18S POWER	£469	STW
EXPOSURE	SUPER 20 INTEGRATED	£399	PL, STW
MERIDIAN	551 INTEGRATED	£499	SO, STW
MERIDIAN	557 POWER	£1199	EX, RE, STW
MERIDIAN	502 PRE	£799	SO
MERIDIAN	558 POWER	£749	SO, STW
MERIDIAN	558	£2699	STW
MERIDIAN	505	£669	STW
MERIDIAN	501.2 PRE	£599	SO, STW
MUSICAL FIDELITY	X-A1	£299	LEI, PL, STW
MUSICAL FIDELITY	X-A50 MOND POWER (PAIR)	£399	BRS
MUSICAL FIDELITY	X-P100 PRE	£599	NEW, STW
MUSICAL FIDELITY	X-AS100 POWER	£599	STW
MUSICAL FIDELITY	A300	£1099	STW
MYRYAD	T60 POWER	£189	EP, IP, STW
MYRYAD	MA120	£389	EP, NEW, SW
MYRYAD	M1120	£599	SW
NAIM	NAIT 3R REMOTE INTEGRATED	£599	EX
NAIM	NAIT 3 INTEGRATED	£499	BED, BIR
NAIM	NAC92 PRE	£439	BED

NAIM	NAC92R REMOTE PRE	£499	EX
NAIM	NAP90.3 POWER	£399	BED, EX
NAIM	FLATCAP POWER SUPPLY	£299	EX
PIONEER	A300R PRECISION	£249	SG, SH
PRIMARE	A10	£399	NEW
ROKSAN	CASPIAN MKI INTEGRATED	£599	STW
ROKSAN	CASPIAN MKI POWER	£449	STW
ROTEL	RA972	£299	STW
ROTEL	RC972 PRE	£149	CHL
ROTEL	RC971 & RB971/II PRE/POWER	£349	KI, STW
ROTEL	RB981 POWER	£299	CHL, STW
JOHN SHEARNE	PHASE 3 REFERENCE POWER	£479	NEW, STW
JOHN SHEARNE	PHASE 2	£499	STW
JOHN SHEARNE	PHASE 2 REF	£549	STW
JOHN SHEARNE	PHASE 2.5	£349	STW
TAG MCLAREN	F3-60P (BLACK) POWER	£499	STW
TAG MCLAREN	F3-PA10 PRE	£499	PL, RE, SO, STW
TAG MCLAREN	F3-PA20R (BLACK) PRE	£849	BED, STW
TAG MCLAREN	F3-60I INTEGRATED	£449	PL, RE, STW
TAG MCLAREN	F3-60I RV INTEGRATED	£599	PL, STW
TALK ELECTRONICS	CYCLONE 1	£419	HU

## loudspeakers

AVI	BIGGATRON (CHERRY)	£399	NEW, KI, SH, SO
ACOUSTIC ENERGY	AEGIS TWO	£169	SH, SO, STW
ACOUSTIC ENERGY	AE100I SE	£179	RE
ACOUSTIC ENERGY	AE105SE (CHERRY)	£229	NEW, RE
ACOUSTIC ENERGY	AE109SE	£359	BRS, EP, RE
ACOUSTIC ENERGY	AE209	£199	NEW
ACOUSTIC ENERGY	AE505	£349	NEW, STW
B&W	CDM1SE	£449	PB, STW
B&W	CDM2SE	£269	RE, STW
B&W	CDM7SE	£699	CA
B&W	LM1	£159	SH, SW
CASTLE	EDEN (CHERRY)	£199	NEW
CASTLE	HARLECH (DELUXE EXTRA)	£649	BRS, CA, PL, STW
CASTLE	HOWARD S3	£899	SO
CASTLE	KENDAL	£149	EP, STW
CASTLE	INVERSION 15 (INC STANDS)	£389	MOST OUTLETS
CASTLE	INVERSION 50	£499	RE, STW
CASTLE	INVERSION 100 (DELUXE EXTRA)	£1099	MOST OUTLETS
CASTLE	SEVERN II	£349	SH, STW
CASTLE	SEVERN 2SE (DELUXE EXTRA)	£499	EP, KI
CASTLE	TAY (BLACK)	£149	RE
CURA	CA21 (POMMELLE SAPELLE)	£699	BIR
EPOS	ES15	£449	STW
EPOS	ES12	£279	STW
EPOS	ES22	£999	PL
EPOS	ES30	£1399	STW
INDIGO	MODEL 1 (CHERRY)	£249	NEW
INDIGO	MODEL 3 (CHERRY)	£349	NEW
MERIDIAN	M33 (PAIR) ACTIVE	£1199	RE, SO, STW
MERIDIAN	DSP5000 DIGITAL ACTIVE	£2699	SO, STW
MERIDIAN	A500	£499	STW
MERIDIAN	M60	£1599	STW
MISSION	70 (BLACK)	£69	SG
MISSION	783 (BEECH)	£699	NEW
MONITOR AUDIO	SILVER 3I	£199	LEI, STW, SW
MONITOR AUDIO	SILVER 4I	£239	EP, SH, STW
MONITOR AUDIO	SILVER 7I	£399	MOST OUTLETS
MONITOR AUDIO	SILVER 9I	£749	BRS, EP, STW
MONITOR AUDIO	MA703	£399	STW
MONITOR AUDIO	STUDIO 20SE	£949	BED, BIR, LEI, NEW
PROAC	RESPONSE 2.5 (CHERRY)	£1749	IP
RUARK	SCEPTRE (BLACK)	£299	IP
RUARK	TALISMAN II	£399	STW
RUARK	PROLOGUE ONE	£599	OX, SG, STW
TANNDY	REVOLUTION R1 (CHERRY)	£119	SH, STW, SW
TANNDY	REVOLUTION R2 (CHERRY)	£219	STW, SW
VIENNA	MOZART (ROSEWOOD)	£999	BIR

sevenoaks sound & vision

## christmas opening hours

Sunday 17/12  
Christmas Eve

Most Outlets Open - Limited Hours  
Most Outlets Open - Limited Hours

Christmas Day  
Boxing Day

Closed  
Closed

IMPORTANT: Due to regional variations, please confirm opening hours with your local outlet before you travel.



## tuners

ARCAM	ALPHA 7T	£169	BED, HU, SG, STW, SW
ARCAM	ALPHA 8T	£189	STW
ARCAM	ALPHA 10 DRT	£649	STW
MARANTZ	ST4000	£119	SW
MARANTZ	ST6000	£149	SW
MERIDIAN	504	£549	STW
MYRYAD	MT100	£299	EP, SW
MYRYAD	T30 (SILVER)	£229	PL, SH
PRIMARE	T20	£389	NEW
ROTEL	RT935AX	£139	SG
ROTEL	RT955	£249	SO, STW
ROTEL	RT940	£149	STW
ROKSAN	CASPIAN	£399	HU, KI, SH, STW
TAG MCLAREN	F3-T20	£649	BED, PB, STW
YAMAHA	TX480L	£85	BED
YAMAHA	TX492RDS	£89	STW

## recorders

DENON	DRR-M10 CASSETTE DECK (MINI)	£99	KI
DENON	DRM550 CASSETTE DECK	£119	SH
MARANTZ	DR700 CD RECORDER	£249	PL, STW
NAKAMICHI	DR10 CASSETTE DECK	£699	RE
PHILIPS	CDR770 CD RECORDER	£149	STW
PIONEER	CTS505 PRECISION 3HD CASS/DECK	£239	SG
PIONEER	739 MULTI CD RECORDER	£299	HU
ROTEL	RD960BX	£199	SG
SONY	MDSJB930 MINI DISC	£179	RE
TEAC	RWH500 CD RECORDER (MINI)	£389	PB
YAMAHA	KX393 CASSETTE DECK	£89	STW
YAMAHA	KX580SE CASSETTE DECK	£149	STW
YAMAHA	CDRS1000 CD RECORDER	£249	EP, STW
YAMAHA	MDX595 MINI DISC	£129	BED, LEI, RE, SH, STW

## systems

ÇYRUS	PLATINUM SYSTEM	£1135	BRS
DENON	D-F100 INC SPEAKERS	£429	BIR, SO
DENON	D-M5 3 DISC INC SPEAKERS	£249	LEI, STW
DENON	D-M7 EX SPEAKERS	£189	STW
DENON	D-M10 EX SPEAKERS	£249	LEI, SG, STW
NAKAMICHI	SOUNDSPACE 5 (SILVER)	£819	HU
NAKAMICHI	SOUNDSPACE 7 (BLACK)	£849	HU
MARANTZ	LAYLA	£279	PB, SH
YAMAHA	PIANOCRAFT E100	£329	PB, STW

## av electronics

ARCAM	ALPHA 10/DAVE & ALPHA 10P/3	£1799	SG, STW
ARCAM	AV50 AV AMPLIFIER	£449	NEW
DENON	AVR1600 AV RECEIVER	£199	EX, STW, SW
DENON	AVR1800 AV RECEIVER	£289	STW
DENON	AVR2800 AV RECEIVER	£369	IP, LEI, PL, STW, SW
DENON	AVR3300 AV RECEIVER	£599	IP, KI, LEI, PL
DENON	AVC-A1D AV AMPLIFIER	£1399	HU, IP, PL
DENON	AVD2000 AC3 DECODER	£299	PL
DENON	DVD2500 REGION 2 DVD PLAYER	£269	HU, SH, STW
DENON	DVD5000 DVD PLAYER	£1099	BED, HU, IP
MARANTZ	SR5000 AV RECEIVER	£349	CA, SO, STW
MARANTZ	DV4100 DVD PLAYER	£200	KI
MARANTZ	DV7000 DVD PLAYER	£320	CA, KI, STW
MARANTZ	DVDB90 DVD PLAYER	£228	PL, SH
MARANTZ	AV9000 AV PROCESSOR	£799	SH, STW
MARANTZ	MM9000 POWER	£499	STW
MERIDIAN	M1500 SUBWOOFER	£699	STW
MERIDIAN	518 PROCESSOR	£599	STW
MERIDIAN	541 PROCESSOR	£699	STW
PANASONIC	DVDA360 DVD PLAYER	£279	LEI, PL, STW
PARASOUND	AVC1800 AV PROCESSOR	£949	KI
PARASOUND	HCA855A 5 CHANNEL POWER	£799	KI
PIONEER	DV515 REGION 2 DVD PLAYER	£199	IP
PIONEER	DV525 REGION 2 DVD PLAYER	£199	CA, STW
PIONEER	DV525 MULTI REGION DVD PLAYER	£219	BED, HU, STW
PIONEER	DV626 MULTI REGION DVD PLAYER	£329	CA, SO, STW
PIONEER	DV717 REGION 2 DVD PLAYER	£349	LEI, PL, STW
PIONEER	DV717C MULTI REGION DVD PLAYER	£389	LEI, STW
PIONEER	DVL919E DVD/LASER DISC PLAYER	£629	PL
PIONEER	DVL909 DVD/LASER DISC PLAYER	£499	SW
PRIMARE	V20 DVD PLAYER	£699	NEW
ROKSAN	CASPIAN PROCESSOR/5 CHAN PWR	£1599	SO, STW
ROKSAN	CASPIAN DSP AV PROCESSOR	£949	BED, STW
ROKSAN	CASPIAN 5 CHANNEL POWER	£799	BED, STW
ROTEL	RB985/II 5 CHANNEL POWER	£499	EX, SH, STW
ROTEL	RSP966 AV PROCESSOR	£529	BRS, EX, STW
ROTEL	RSX965RDS AV RECEIVER	£749	EP, EX, RE, STW
ROTEL	RDV985 2 DVD PLAYER	£449	CA, KI, RE, SO, STW
ROTEL	RB985MKII/RSP966 PWR/PROCESSOR	£949	KI, PB, SO
SONY	DVPS725 MULTI REGION DVD	£349	LEI, STW
SONY	DVPS335 MULTI REGION DVD	£513	LEI, OX
TOSHIBA	SD2109 REGION 2 DVD PLAYER	£159	BED, IP, STW
YAMAHA	DVDS795 DVD PLAYER	£259	SH, STW
YAMAHA	DVD796 DVD PLAYER	£239	HU, STW
YAMAHA	DVDS700 REGION 2 DVD PLAYER	£399	SG, PL

YAMAHA	AVI HOME CINEMA STATION	£399	BED, STW
YAMAHA	RXV795 AV RECEIVER	£279	CHL
YAMAHA	RXV795A AV RECEIVER	£299	BRS, LEI, OX, STW
YAMAHA	DSPA2 AV AMPLIFIER	£499	OX, STW
YAMAHA	DSPA1 (GOLO) AV AMPLIFIER	£849	BED, STW

## av loudspeakers

ACOUSTIC ENERGY	AEGIS CENTRE	£79	CHL
ACOUSTIC ENERGY	AE101 SURROUND	£99	SW
B&W	CDMCSE (BLACK) CENTRE	£279	RE
BOSTON	VRS SURROUND	£149	STW
BOSTON	90C CENTRE	£119	SO
BOSTON	DT6000 DOLBY DIGITAL AV PACKAGE	£399	SO, STW
CASTLE	CLASSIC (NAT OAK) SUBWOOFER	£499	SO
CASTLE	INVERSION 45 CENTRE	£279	HU
CASTLE	KEEP CENTRE	£149	STW
ENERGY	TAKE 5 5.1 PACKAGE	£519	PL
INDIGO	MODEL 2 CENTRE (CHERRY)	£199	NEW
JAMO	APOLLO 3 PACKAGE	£399	HU
KEF	80C (VIDEO GREY) CENTRE	£99	PL
KEF	55S (WHITE) SURROUND	£99	PL
MERIDIAN	M33 ACTIVE CENTRE	£499	SO, STW
MERIDIAN	DSP5000C DIGITAL ACTIVE CENTRE	£1199	SO, STW
MERIDIAN	M60 CENTRE	£899	STW
MONITOR AUDIO	SILVER 10i CENTRE	£239	BED
MONITOR AUDIO	STUDIO (CHERRY) CENTRE	£449	SH
POLK	CS275 CENTRE SPEAKER	£175	BED
RUARK	LOG-RHYTHM SUBWOOFER	£699	PB, STW
RUARK	DIALOGUE ONE CENTRE SPEAKER	£239	BED, STW, SW
YAMAHA	NSE105 SURROUND	£69	BED, IP, SW

## widescreen television

FUJITSU	HTM42A 42" PLASMA	£3899	STW
LOEWE	PLANUS 4661Z 32" INC STAND	£1349	STW
LOEWE	XELO5 5270ZW 28" INC STAND	£849	PB, SO, STW
LOEWE	XELO5 5281ZW 32" EX STAND	£949	BED, SO, STW
SELECO	SVP350 & 8FT SCREEN	£3299	PB
SONY	KV28FX60	£649	HU, STW

## miscellaneous

AUDIOQUEST	MIDNIGHT 2X5MTR BIWIRE CABLE	£359	PB
B&W	WP1 WEATHER PROOF SPEAKERS	£239	SG
LOEWE	VUEVISION 4238H VCR (GRAPHITE)	£249	PB
LOEWE	2B & 3 VIDEO RACKS (EACH)	£59	HU
MADRIGAL	IRO UNIVERSAL LEARNING REMOTE	£199	BED
MARANTZ	RC5000 UNIVERSAL REMOTE	£229	SH
MUSICAL FIDELITY	X-LP PHONO STAGE	£179	HU
MUSICAL FIDELITY	X-CANS HEADPHONE AMP	£119	BRS
NAIM	IXO ACTIVE CROSSOVER	£399	BED, EX
SENNHEISER	HD25 HEADPHONES	£89	STW
SENNHEISER	HD56 HEADPHONES	£9	STW
SENNHEISER	IS380 HEADPHONES	£29	STW
SENNHEISER	LUCAS/HD580 HEADPHONES	£189	OX
SOUND ORG	Z640	£119	HU
SOUNDSTYLE	W100 EQUIPMENT RACK	£129	STW
SOUNDSTYLE	W105 EQUIPMENT RACK	£189	STW
SOUNDSTYLE	X053 EQUIPMENT RACK	£139	STW
SOUNDSTYLE	X058 EQUIPMENT RACK	£149	STW
SOUNDSTYLE	X024 SPEAKER STANDS	£59	STW
SOUNDSTYLE	X100 EQUIPMENT RACK	£199	PB

## outlets nationwide

<b>SEVENOAKS - STW</b> 01732 459555	<b>ESSEX Witham - STW</b> 01376 501733	<b>PETERBOROUGH - PB</b> 01733 897697
<b>BEDFORD - BED</b> 01234 272779	<b>EXETER - EX</b> 01392 218895	<b>PLYMOUTH - PL</b> 01752 226011
<b>BIRMINGHAM - BIR</b> 0121 233 2977	<b>GUILDFORD - STW</b> 01483 536666	<b>READING - RE</b> 0118 959 7768
<b>BRIGHTON - STW</b> 01273 733338	<b>HULL - HU</b> 01482 587171	<b>SHEFFIELD - SH</b> 0114 255 5861
<b>BRISTOL - BRS</b> 0117 974 3727	<b>IPSWICH - IP</b> 01473 286977	<b>SOUTHAMPTON - SO</b> 023 8033 7770
<b>BROMLEY - STW</b> 020 8290 1988	<b>KINGSTON - KI</b> 020 8547 0717	<b>SOUTHGATE - SG</b> 020 8886 2777
<b>CARDIFF - CA</b> 029 2047 2899	<b>LEICESTER - LEI</b> 0116 253 6567	<b>SWANSEA - SW</b> 01792 465777
<b>CHELSEA - CHL</b> 020 7352 9466	<b>MAIDSTONE - STW</b> 01622 686366	<b>TUNBRIDGE WELLS - STW</b> 01892 531543
<b>CROYDON - STW</b> 020 8665 1203	<b>NEWCASTLE - NEW</b> 0191 221 2320	<b>WATFORD - STW</b> 01923 213533
<b>EPSOM - EP</b> 01372 745883	<b>OXFORD - OX</b> 01865 241773	<b>WORCESTER - WOR</b> 01905 612929

PLEASE NOTE: PRICES AND AVAILABILITY CORRECT AT TIME OF GOING TO PRESS  
ADVERTISEMENT VALID UNTIL AT LEAST 27TH JANUARY 2001. EAOE

PLEASE TELEPHONE TO CONFIRM AVAILABILITY BEFORE TRAVELLING

stock clearance

# new year opening hours

Sunday 31/12  
Monday 1/1

Most Outlets Open - Limited Hours  
Closed

Sunday 7/1  
Sundays in January

Most Outlets Open - Limited Hours  
Most Outlets Open - Limited Hours

IMPORTANT: Due to regional variations, please confirm opening hours with your local outlet before you travel.

# letters & e-mails

Visit our website at [www.hi-fiworld.co.uk](http://www.hi-fiworld.co.uk) or send your e-mails to [letters@hi-fiworld.co.uk](mailto:letters@hi-fiworld.co.uk)

Every letter we print wins a superb prize including Precious Metals interconnects and a **FREE** subscription to **Hi-Fi World** for the best letter of the month!!

## LETTER OF THE MONTH

### LET'S GET PHYSICAL

Dear David,

First let us get one bit of nonsense out of the way. Of course MP3 has a physical form! You may not be able to pick it up like a CD or a record (unless you count picking up the complete hard disk) but it is there on your hard disk. You can (with a small enough pointer) point to exactly where it is. Even when being downloaded it has physical form. If you don't think electricity is physical, try sticking your finger into the nearest three-pin socket!

As to MP3, you seem to miss one important point. It exists for one reason only, bandwidth. Currently, and you must stress the currently, we haven't got the bandwidth available to transmit the full musical content (taking, for now, CD as representative of full musical content.) The rule of thumb is that processor power doubles every 18 months. Bandwidth is doubling in less time than this, and don't forget that we are considerably behind the States. MP3 is going to have a considerably shorter life than CD.

This in itself will probably dictate

that the digital component of your hi-fi system will be a PC, simply because it is cheaper to change software rather than hardware. Hardware will have its place. My soundcard can take input from either my DAT player, CD player or CD recorder, and store it for re-transmitting to either of the recorders. I eventually expect a combination of hardware and software to handle DAB, SACD and DVDA. One problem. PCs are currently just so noisy, I can't have it running for serious listening. As for my (huge) vinyl collection? Well first it keeps growing as people ditch their collections and I can't resist the bargains!

I'm one of those people who don't believe that YET you can tear the Mona Lisa into a million pieces (bits) and then stick it back together and expect it to look the same! When the sampling rate and word size has significantly increased you will need even more bandwidth. It will happen. At that time CD will be recognised as a stepping stone. One of the DVD formats will probably be significant. MP3 will be lucky to get a mention!

**Anton Britten**

[anton@ab-computing.com](mailto:anton@ab-computing.com)

Hi Anton, Well, yes, if you want to be completely pedantic then atomic

particles have a physical form too. What I was trying to do was to draw a distinction between formats and media. Traditionally, they've been conjoined - CD for example, is a 16/44 PCM digital audio



MP3 won't roll over and just die

# ARCAM

Visit [www.arcam.co.uk](http://www.arcam.co.uk)

for Arcam news, product information, technical support and advice on how to get the best from your system

Arcam, Pembroke Avenue, Waterbeach, Cambridge, CB5 9PB, England  
Tel: +44 (0) 1223 203203 Fax: +44 (0) 1223 863384  
[support@arcam.co.uk](mailto:support@arcam.co.uk) [www.arcam.co.uk](http://www.arcam.co.uk)



format stored on a 650MB optical disc medium. MP3 and the new generation of compressed formats can be stored on all variety of media, from hard drives to memory cards to CDs, and more. For me at least, this is a very exciting development and makes music potentially far more accessible.

You're right to say that MP3 is simply a line drawn in the sand - a format that's become popular due to a particular set of historical, cultural and technological circumstances. When bandwidth increases and - importantly - the cost of flash card memory decreases (industry insiders predict it will drop to one quarter of its current price in one year from now) - then another format will come along. My bet is that MPEG4 will be this year's big thing (with AAC as a subset), but MP3 is still a massive 'legacy' music resource. As vinyl proves, popular formats don't die overnight!

I completely agree that the digital components of hi-fi systems will start migrating to computers. In fact, they're already doing it, as Sony's new VAIO audio computer shows. I'm now running two systems, one computer based for general audio duties - including making music compilations for portables, the car and casual listening - plus international radio listening (streamed over the Net) and vinyl archiving. My other system has become my 'shrine to vinyl', highly tuned and focussed on this fantastic format. It also runs a CD player and DAT, which plays stuff recorded on my audio computer, plus my CD collection. I seem to have evolved this arrangement and it works very well, and I suspect many other people are doing the same.

How important MP3 will be in the scheme of things ultimately doesn't amount to a hill of beans. Of course, I've been enthusiastically arguing its case, but I'm really talking about it as a generic term for 'digitally downloadable music' (including AAC, WMA etc). I don't actually worship at the altar of MP3's coding algorithm at night - actually my true passion is analogue which is a completely different kettle of fish! No, I just love the possibilities and the potential for music fans opened up by the Internet and music portals in general. **DP ■**

## CONTROLLED DEVICES

*"Dear Hi-Fi World,  
I hope you may be able to advise me on my current dilemma. I am looking to upgrade my amplifier and speaker combination but I'm having more difficulty fulfilling all the criteria than I anticipated.*

*I currently own an Audiolab 8000CIP driving Linn Keilidhs with an Arcam Delta 250 Transport / BB50 DAC. I actually quite like many aspects of the sound including the punchy quality and the way the music is projected into the room. Unfortunately, when the going gets tough the system falls apart. Complicated multi-layered tracks with difficult rhythms seem to become messy, as does harsher sounding rock. I'd like to find a system with better control in difficult circumstances. A little more detail and warmth wouldn't go amiss either.*

*My local Sevenoaks Hi-Fi has been knocking out Monitor Audio Studio 50s on the cheap, so I went along, initially thinking they might work with the Audiolabs. Apparently not. The treble and midrange detail improved dramatically although had a slightly zingy sound and the control under pressure was amazing. Unfortunately, all bass weight and warmth had disappeared and it sounded like a satellite/subwoofer combination without the subwoofer. I then tried the Ruark Talisman IIs. These had a nice overall sound but were lacking in the drama department and sounded a bit flat. Next I tried the Monitor Audios with a Musical Fidelity A3CR pre/power combo. This was massively bottom heavy and all the mid and treble detail got overwhelmed. I had high hopes for that combination too.*

*Finally, I booked a demonstration at a different dealer and I got to listen to some ProAc floorstanders (I forget the model) and some KEF Reference 2 - both driven by my Audiolabs. They both sounded quite good although the ProAcs seemed to lack a bit of bass weight, something I suspected was down to my amp. Unfortunately, there wasn't enough time to even shortlist them let alone make a decision.*

*That's where I am now. In an ideal world, I'd find an amp to go with the Monitor Audio Studio 50s. This is mainly because Sevenoaks Hi-Fi (Bromley) have been really helpful and patient, allowing me home trials and plenty of time sitting around in their listening room. Ultimately though, the music comes first so the right equipment must take priority. I have*

*£4000 to £5000 to spend and listen to everything - Jazz, Dance, Rock, Classical, Peruvian Ritual Folk Music and anything else I can get my hands on.*

*Someone, somewhere knows the answer.*

**Gareth Cameron**

I hate to say it, as it's probably the last thing that you want to hear, but there are plenty of options open to you. Alas, we only have a certain number of pages reserved for letters. So here's my particular suggestions.

Firstly, you say that you'd appreciate a little more warmth in the sound, plus detail as well as control. In that case, ditch the Audiolabs. Whilst they're fairly controlled and powerful, the sound can often be a little cold and hard. This can also be the case with the Studio 50s and putting them both together could well take your fillings out. The Arcam pairing is also knocking on a bit and can sound a little dull if put into the wrong situation, i.e. the one they're in now, so your source could do with sprucing up.

The first, and by far the easiest, option is to sell everything, pop down to Sevenoaks and ask to listen to the Linn system I reviewed last month. The Genki CD/Kolektor pre/LK140 power and Ninka 'speaker set-up is one not to be sniffed at. Whilst the individual components won't work quite as well in a hotch-potch arrangement, together they're very impressive. The new Ninka 'speakers replace your existing Keilidhs and improve on them in many ways. They're more three-dimensional, with deep but taut bass weight and a real kick, yet in a Linn system they can also sound warm and detailed. The whole shebang will set you back no more than £3,500 including Linn cables, if you so wish.

My second suggestion would be to perhaps try the Musical Fidelity A3CR pair again, this time with the KEF Reference 2s. The big, civilised sound of the KEFs will balance out the transparency of the MFs and you'll get a mixture that could take some beating. This would leave you a grand or so to spend on a CD player, for which I would go with Arcam's CD23 in the FMJ series which has good tonal balance that shouldn't mess with the overall sound, and is very easy on the ear.



# Experience a New Dimension of Sound

## RINGMAT – CHANGING AND IMPROVING PERCEPTIONS

Ringmat Developments is at the leading edge of sound technology. We create products designed specifically to improve the sound quality produced by domestic hi-fi's, from the kitchen CD player to the hi-fi in the lounge. We want to help our customers to enter a new dimension of sound that will bring into the home the magic and spontaneity of 'live' music.

We are the world's leading specialists in the geometry of sound and resonance in materials. Thousands of our products are in daily use with music lovers around the world, including musicians and music and hi-fi reviewers and are recommended by hi-fi companies.

### Money-back Guarantee

For more information, including reviews and brochures, or to order with a money-back guarantee, contact

### RINGMAT DEVELOPMENTS

PO Box 200 Brentwood  
Essex CM15 9FB GB  
T: ++ 44 (0) 1277 200 210  
F: ++ 44 (0) 1277 201 225  
E-mail: enghw@ringmat.com



**RINGMAT  
DEVELOPMENTS**

[www.ringmat.com](http://www.ringmat.com)



## STATMAT

"... the music itself seems to change, becoming rhythmically more cohesive, and altogether more purposeful and coherent. Statmat increases the sense of depth and space around voices and instruments, expanding dynamic range to give more light and shade ..."

*Jimmy Hughes Hi-Fi Choice*

## RINGMAT & RINGMAT SUPPORT SYSTEM

"... the main benefits of the system relate to an extension of low frequency with enhanced slam, a definite improvement in overall resolution, clearer and more accurately delivered detail, and a larger, more open soundstage. ... The results will make even a well-equipped Linn sound substantially better. For the money, you're unlikely to gain even close to this level of improvement. ... has to be one of the best ever turntable enhancements..."

*Deon Schoeman Audio Video South Africa*

## RINGMAT FEET

"Much more important... is that the music, all the way through, sounds warmer and more like reality, as if you have taken an electronic veil away from your system. ... you are now able to close your eyes and feel that the performers are in your room ..."

*Bjarne Jensen High Fidelity*

## campaign audio design "Love Hertz"



Getting a better, more involving sound often means spending a lot of hard earned money. It's such a waste, because every system can benefit from our cables and accessories, at a fraction of the cost of some new "black box". Here are some of the ways we can help.

We have Linear Crystal Oxygen Free Copper interconnects (£12.48) up to High Purity Silver balanced cables (£99.00) and high definition

loudspeaker cables in Silver Plated Copper or Pure Silver. Our mains cables add weight, power and scale, and with non-inductive RF filtering (£10.00) and over-voltage protection (£3.00) enhance performance still further. Gold plated AV cables, both RF (£19.95) and OFC Seart with PTFE insulation (£19.21), help bring picture quality in line with NICAM sound resolution.

We also have a cure for your noisy fridge or central heating motor (£3.50), enabling you to throw away your big mains noise suppressor, which has been giving you that "sat upon sound" for years. There's lots we can do to bring you closer to the emotion and energy of the performance. So confident are we, that we offer a 21 day money back guarantee.

Ring or write for details:-

**CAMPAIGN AUDIO DESIGN**  
Llandudno Road (HW)  
Cardiff CF3 3PG  
Tel:- 02920 779401

Website: <http://business.virgin.net/cad.cables/>



Trade and International Enquiries Welcome. **VISA**

van den Hul®



THE LINK BETWEEN  
TECHNIQUE & EMOTION

### Loudspeaker cables

£13.49/m  
CS122 Hybrid  
**Best Buy What Hi-Fi?**  
★★★★★ Awards '99

£23.99/m  
Teatrack Hybrid  
Bi-Wire CS122 Hybrid

New  
Royal Jade Hybrid  
£10.99/m (to be reviewed)

Pure Linear Structured Carbon and LSC hybrid cables are unique to van den Hul

For more information on our extensive range of cables please contact

**van den Hul UK**

Imex House 6 Wadsworth Road Greenford Mdsex UB6 7JJ Tel: 020 8997 4280  
e-mail [vandenhukuk@hotmail.com](mailto:vandenhukuk@hotmail.com) or visit our website [vanden Hul.com](http://vanden Hul.com)

### Interconnect cables

D102III Hybrid  
£79.99/0.8m pair

**Product of the year (interconnects)**  
**What Hi-Fi? Awards '99**  
**Best Buy Hi-Fi Choice**  
★★★★★ March '98

PB5 Hybrid  
£49.99/0.8m pair

**Best Buy Hi-Fi Choice**  
★★★★★ March '99  
★★★★★ **What Hi-Fi?**  
October '99

Storm II Hybrid

£29.99/0.8m pair  
**Best Buy What Hi-Fi?**  
★★★★★ Awards '99

The First (LSC)

£199.99/0.8m pair  
★★★★★ **What Hi-Fi?**  
★★★★★ **Hi-Fi Choice**  
(sound quality)



Thirdly, you could take the valve option. A good choice would be the excellent Copland CDA289 CD player matched with the their 30W, CTA-402 pure valve integrated. This isn't the treacly smooth sound much beloved of many old school valve heads, but rather the combination has oodles of detail and spark, mixed with sophistication in buckets, courtesy of those vacuum tubes. These two will cost you around £3,700 leaving £1,300 to make up your £5,000 budget. You'd need a pair of 'speakers with relatively high sensitivity to cope with the output of the CTA-402 (your power hungry Keilidhs are out of the picture here). You could go for B&W's DM605 S2s for £1,400. With a sensitivity of 91dB, these have excellent bass control and a big, open sound. Alternatively there's KEF's new revamped Reference One-Two at £1,350, or even Mission's £1,000 783s with their mix of punchy drive, deep bass and detail.

Whichever route you take I hope your Peruvian pan pipes sound a little more detailed. **SP** ■



The 783s could feature in your set up

## BACK TO BASS-ICS

*My system comprises a Garrard 401 on the turntable, a MFD plinth SAE 3009/Line K5 Sony CDP 211, Cyrus 1 Mk II, Denon TU260 tuner, Linn K2 speaker cable and Mordaunt Short MS20 speakers. It used to sound great when I lived in London where the living room was almost square with a high ceiling. My new flat in the sticks is an attic conversion. The living room is fairly long, the walls pent upwards from around 1.5 metres from the floor and the ceiling is only just over 2 metres. Due to restrictions in layout my speakers sit across the room and I'm sure they'll be better firing down from the front. In London the system really filled the room with warmth all around and was very punchy in the bass, now it is very loose.*

*I really don't want to spend too much as we're saving to buy a place, so I can't afford mistakes, hence the letter. How can I get my round bass back for a few hundred quid? Should I put the old SAE plug cable back, buy a Goldring 1012 as I tend to think or change the speakers as the problem was there with my old 1022. In your December issue you rated the Tannoy Mercury m3 highly but Riche Sounds are currently selling the Audix Symphony 6 for only £200 or should I consider a sub-woofer? I like the idea of floorstanders for appearance and as I like my bass I listen to almost anything bar reggae, but my taste varies from classical, folk, modern jazz to quite a lot of dance music and electronic.*

**Paul Rizzardi.**

Ironically, your last room had theoretically inferior acoustics to your present attic flat. Square listening rooms are an acoustic nightmare, a breeding ground for standing waves that hang around and muddy the sound. Part of that fulsome bass was, I suspect, actually coloration added by your room. It just so happens that you'd assuaged your acoustic nasties by using a brightish cartridge. Now

you've moved to a more neutral room your system's true colours are showing.

As vinyl's your main source, start with the cartridge. As you already have a Goldring body, a 1042 is the easiest upgrade. It's a far more symbiotic match than your K5, which is well off the pace these days. Next, rather than going for a new set of budget floorstanders, I'd get a REL Q50 subwoofer, simply because it lets you tune your system to what is an unfamiliar and potentially difficult room better. Also, by going this way you're giving yourself more leeway to experiment with positioning of your existing speakers.

The Tannoy mx3s are indeed excellent loudspeakers, and might give a quick fix. You'd find they're faster and better extended than your old MS20s, but they still may not add the oomph you're after thanks to their more even upper bass response. True, they go down lower, but also lack the Mordaunt Shorts' upper bass peak which is already injecting some perceived weight into the sound. It's a common mistake to assume floorstanders instantly add bass - they'll extend it, but not necessarily increase the amount unless they're positioned too near a wall or corner, in which case they'll ruin the sound. No, in your unusually dimensioned room, a high quality sub matched to smallish standmounters should work much better. After this, an OL RB250 tonearm upgrade should tighten things up even more. **DP** ■



The Rel subwoofer will add that extra bit of oomph

# EXPERIENCE THE CHORD EFFECT!

The first time you hear your sound system with Chord interconnecting cables will be the first time you've **really heard it**.

Be warned - the effect can be shattering.

Your eyes and ears will be opened. Your music will never sound the same again.

Specify Chord cables - Hear the light!



strength  
in depth

# REL

01656 768777

[www.rel.net](http://www.rel.net)

FOR SALES AND INFORMATION  
CALL: 01722 331674 FAX: 01722 411388  
E-MAIL: [CHORD@CHORD.CO.UK](mailto:CHORD@CHORD.CO.UK)  
OR VISIT US AT [WWW.CHORD.CO.UK](http://WWW.CHORD.CO.UK)





The Cyrus 7 could have the tonal balance you require

REBUILD BLUES

I have been extremely happy with my system for several years, but have just had the Quad ELS 57s rebuilt and suddenly things don't seem to be quite as satisfying as they were. The amplifier especially suddenly seems a bit unadventurous. My usual equipment comprises: Quads, FM4, CD63SE, Origin Live/Ortofon 510/ Creek OBH-8SE, Sony MDS-JE520 and a Leak Stereo 20.

I have recently tried my bedroom amp in the system, a Rotel RB890 which has good detail but no depth or warmth. At the moment I have a Mission Cyrus One which is a good cross between the two other amps but the input switch is dodgy. I can get round it by using the record switch with the input to tape and the recorder on, but wonder if I should consider a new amp and if so which? At what level?

The system seems well balanced and at this stage I can't upgrade everything to the level the Quads would probably justify. The Cyrus is a surprise. It seems to punch well above its weight. The Rotel is in theory much more powerful (I assume) but soon runs out of grunt into the Quads. I suppose I could consider getting the Mission fixed but its getting on a bit and can I get spares?

**Gordon Steadman  
Walton on Thames**

What an amazing mish-mash! A Leak Stereo 20 and an old Cyrus One? It's like saying you run a Bentley and an old Escort RS2000 and quite like both! In truth, the Leak is potentially far superior to the Cyrus, but could be a bit past it and sounding flat and squidgy. The Cyrus sounds the opposite - bubbly but one dimensional. The question you have

to ask yourself is do you like that forward transistor sound, or will you go the way of the thermionic valve? If it's the former, then consider the new Cyrus 7, which is a cracking tranny amp with much of the Leak's refinement and most of the Cyrus One's vim. If you haven't got £800 to spend and want to take a punt on the second-hand scene, then a late model Mission Cyrus Two (and possibly PSX) would do just fine for around £250. As for fixing the One, Cyrus could probably do it for you quite cheaply, or it's hardly impossible to do yourself with a soldering iron. But then you'd still be left with an amp you're not completely happy with, so I'd consign it to the attic. Another way, possibly better long term, would be to get your Leak amp rebuilt by GT Audio - a properly fettled Stereo 20 is an excellent sounding device by any standards. **SP ■**

WE WILL ROCK YOU

Hi-fi World continues to be excellent, with a coherent point of view and an interesting mix of articles. One I particularly like is 'Olde Worlde', but you haven't yet featured the idiosyncratic Townshend Rock, which has some interesting features, and merits some recognition as an interesting contrast to the Linn philosophy. I gather from DP's comments you don't think much of it. The standard item may well not be up to modern standards, but it's very amenable to tweaking, and this might change your minds about any inclusion in a future issue, especially as they're sometimes available second-hand

The tonearm can be easily rewired, the motor upgraded, and a separate power supply added. I find the Manticore

PS quite excellent. With a dedicated wall mount to effect isolation, and an Audio Technica OC9, the sound is detailed and crisp, and the presentation utterly stable. I have been using the Rock in various guises for years, always with AT cartridges, since these seem to suit the deck well, but now the OC9 is quite difficult to find. Could you suggest a good alternative?

**Roger Simmonds**

Don't get me wrong, Roger, we at World really rate the Rock. It certainly has a small but significant place in the great hi-fi scheme of things. As you rightly say, it's very tweakable - like many high end turntables - and is capable of excellent results if meticulously prepared. My original comment a couple of months ago was simply observing that a new Michell Orbe is ultimately a better all rounder, as you'd expect it to be with many years of subsequent development. Doesn't make the Rock a bad deck though, far from it. Cartridges are a tricky issue, as the Rock needs a peppy performer. If you're looking for a mid-price MC then go for a Lyra Lydian Beta which has Audio Technica-like get up and go, albeit with superior musicality. If you're on a tighter budget then Dynavector's DV20X-L is the one to use with an MC phono stage under £300. Another tweak to try is a Base SP-O1 sub-table placed under the deck on the wall mounted isolation platform. **DP ■**



The Orbe is an all round star

## WHERE TO FIND US

**BASINGSTOKE** 01256 324311  
2 Feathers Lane

**BRENTWOOD** 01277 264730  
30 Crown Street

**BRISTOL** 0117 926 4975  
65 Park Street

**CARDIFF** 029 2022 8565  
134/136 Crwys Road

**CAMBERLEY** 01276 685597  
173-175 London Road

**CHELTENHAM** 01242 583960  
38 Winchcombe Street

**CHESTER** 01244 345576  
88/90 Boughton

**ENFIELD** 020 8367 3132  
159a Chase Side

**EPSOM** 01372 748888  
15 Upper High Street

**EXETER** 01392 491194  
156 Sidwell Street

**GLOUCESTER** 01452 300046  
58 Bristol Road

**HIGH WYCOMBE**  
01494 558585  
30-32 Castle Street

**LONDON: W. HAMPSTEAD**  
020 7794 7848  
190 West End Lane

**OXFORD** 01865 765961  
19 Old High Street, Headington

**READING** 0118 958 5463  
4 Queens Walk  
Broad Street Mall

**SOUTHAMPTON** 023 8025 2827  
10-12 Hursley Road  
Chandlers Ford

**SWANSEA** 01792 474608  
9 High Street

**SWINDON** 01793 538222  
60 Fleet Street

**TUNBRIDGE WELLS**  
01892 525666  
6 High Street

**WORCESTER** 01905 619059  
Independence House  
The Trinity

All shops are closed on Mondays



For the very latest information  
please check our web sites:  
[www.audio-t.co.uk](http://www.audio-t.co.uk)  
[www.audio-excellence.co.uk](http://www.audio-excellence.co.uk)

[[www.audio-t.co.uk](http://www.audio-t.co.uk)]  
[[www.audio-excellence.co.uk](http://www.audio-excellence.co.uk)]

# audio

## EXCELLENCE

# audio T

## THE BEST OF BOTH WORLDS

Audio Excellence and Audio T have joined forces to bring you the benefits and security of buying from a larger dealer, yet each of our stores is run as an individual specialist shop. Our staff are enthusiastic and friendly, with the knowledge and experience to satisfy your expectations. Plus, we haven't forgotten that buying hi-fi should be as much fun as listening to it!

### CUSTOM INSTALLATION

If you want your Hi-Fi equipment neatly and attractively integrated into your home we can plan out the system to be installed, the choice of the equipment to be used, where it will be installed in your home and how it will be connected. Call us for advice on how you can enjoy music all round your home.

- 55 YEARS JOINT EXPERIENCE
- 3 YEAR GUARANTEE ON HI-FI SEPARATES
- FULL DEMONSTRATION FACILITIES
- PRICE PROMISE
- 10 DAY EXCHANGES
- 30 DAY NO COST PENALTY UPGRADES
- PART EXCHANGES
- INTEREST FREE OPTION ON SALES OVER £250\*
- HOME LOANS AND HOME DEMONSTRATIONS
- EVENING DEMONSTRATIONS BY APPOINTMENT

For your FREE copy of **MUSIC AT HOME**,  
The Ultimate Guide 2001  
**FREEPHONE 0500 101501** (quote ref HFW2)

or visit our web site at [www.music-at-home.co.uk](http://www.music-at-home.co.uk)

**NEW**



**2001 EDITION**

HI FI SYSTEMS  
HI-FI SEPARATES  
AMPLIFIERS  
CD PLAYERS  
LOUDSPEAKERS  
MULTI ROOM SYSTEMS  
STYLE SYSTEMS  
HOME CINEMA  
ACCESSORIES

**MUSIC AT HOME**  
THE ULTIMATE GUIDE 2001

From Audio T and Audio Excellence

World Radio History

Products we sell include:

ACOUSTIC  
ENERGY  
ALR/JORDAN  
ARCAM  
AVI  
B&W  
BOW  
BRYSTON  
CASTLE  
CELESTION  
CHORD  
ELECTRONICS  
CURA  
CYRUS  
DAVIS  
DENON  
DENSEN  
DYNAUDIO  
DYNAVECTOR  
ELAC  
KEF  
LINN  
LOEWE  
MARANTZ  
MERIDIAN  
METZ  
MICHELL  
MILLER  
& KREISELL  
MISSION  
NAD  
NAIM  
NAKAMICHI  
ONKYO  
PANASONIC  
PIONEER  
PMC  
PRIMARE  
PROAC  
PRO-JECT  
QUAD  
REGA  
REL  
ROKSAN  
ROTEL  
RUARK  
SENNHEISER  
SHAHINIAN  
SONANCE  
SONY  
SYSTEMLINE  
TAG McLAREN  
TALK  
ELECTRONICS  
TANNOY  
TEAC  
WILSON  
BENESCH  
YAMAHA

No all products are stocked by every shop so please check with your local branch before travelling

\*Subject to status. Written details on request



# computer audio world

advertising@computeraudio.co.uk  
editorial@computeraudio.co.uk  
news@computeraudio.co.uk

computer audio



## contents

### Soundbytes 51

The latest news, including a close look at Sony's new VAIO audio computer

### E-Music Goes East 52, 53

We go to Japan to bring you the low down on all the latest AAC portables

### Creative Labs DAP Jukebox 55, 57

This cracking new audio player gets an in-depth test from David.

### TurtleBeach Montego II Plus 58

David auditioned a budget soundboard that serves great sounding music.

### STORAGE WAR HEATS UP

It's probably fair to say that the market for digital music portables is at least equivalent to the number of Napster users, which is currently put at 30 million. As a result, a battle is now emerging amongst developers of storage media to fit them. Flash memory is currently the favoured solution - made by the likes of SanDisk, Samsung, Toshiba, Hitachi and Sony, it can be found in virtually all MP3 players right now, despite being relatively expensive. Nevertheless, SanDisk predict sales rising from 4 million in 2000 to 7.8 million next year and 13.3 million in 2002. Still, there's a sense that there's a gap in the market for cheaper music storage. Last year Iomega introduced the PocketZip disk (formerly known as Klik), which is a cute 40MB disk one quarter of the size of a CD that sells for around £15. Now, DataPlay has announced a rival system that stores

500MB for around £15.

The company hopes to have the disks on UK shop shelves by mid-2001. Whether this will be needed depends on the price of flash memory though. Currently, huge demand for it in devices like mobile phones and digital cameras has kept supply short and prices high. But with new factories being built to manufacture it, prices are predicted to drop by 75% within a year from now, from \$2 per MB to 50 cents. Meanwhile, Iomega has announced a portable audio player that uses both flash memory cards and disk systems, called the HipZip, and Creative Labs now has its hard disk-based DAP Jukebox, which gets a full review on page 55.

### SONY HAS IT ALL

October 2000 saw the Japanese launch of Sony's PCV-MX3K VAIO audio computer, the first ever PC offering fully integrated audio capability. Boasting CD, MiniDisc and FM Stereo sources, plus full MP3 functionality and optional DVD and TV/Video, it catapults computer audio and multimedia into the 21st century. The sleek main unit comes with an orange backlit LC display showing everything from radio station names to CD text, and there's bundled 'OpenMG Jukebox' software offering fully integrated recording and dubbing between CD, MD and MP3 sources using Sony's proprietary ATRAC 3 codec.

The front panel of the computer has a large rotary volume control knob with a dedicated 'record' button. There's also a front mounted headphone jack and USB socket for portable audio devices. There's extensive control options in software, including source selection, tone controls, recording quality etc., as well as the most comprehensive timer record facility yet seen on any audio device, using Sony's 'Media Bar MX Stage' software.

A one bit Delta Sigma DAC does digital conversion duties, and a 2x10W RMS amp is included onboard to drive the matching ported VAIO loudspeakers. There's a built-in

modem for music downloads, and plenty of room to store them thanks to a 40GB hard drive. Full MPEG 1 and 2 capability is included, and there are also two remote controls to play with! It's an amazing package, and Japanese AV retailers tell Computer Audio World that it's proving a real sales success in its native Japan. We hope Sony bring it over here as soon as possible, but if you want to see more you can always point your web browser at [www.vaio.sony.co.jp/](http://www.vaio.sony.co.jp/)



### RADIOHEAD - COMPUTERS OK!

Radiohead's US record label Capitol Records has attributed much of the success of the band's new album to its online marketing activities. Radiohead's new 'Kid A' album was extensively promoted on the Internet, using an on-demand listening promotion involving one thousand web sites, as well as strong pre-release marketing. Ironically, the album was also available on Napster in its entirety for quite some time before the album was released in the UK or The States, but there's no way of telling whether this helped or hindered its sales. Capitol's press release declined to mention the online file swapping site at all, which is curious considering the band's recent pro-MP3, pro-Napster pronouncements!

### SONY GETS REAL

Sony and RealNetworks have gone into partnership in a bid for music format supremacy. Sony's ATRAC audio codec forms the back end of the latest RealAudio player, claimed to make RealPlayer sound better than ever at high compression rates. Sony can now put a recognized face on ATRAC, which to all but MiniDisc devotees is a pretty anonymous technology. The deal also means all Sony devices will support RealAudio from this year.

[www.realaudio.com](http://www.realaudio.com)

### BOXMAN SHUTS

Swedish online music retailer Boxman has closed down, and may go into voluntary liquidation if it can't find a buyer. Another 'dot com' casualty, the company's backers include pop bands Roxette and Ace of Base. As recent as last year it was considered a leading music software retailer, operating for three years in eight European countries and claiming over 700,000 customers.

[www.boxman.com](http://www.boxman.com)



# MP3-MUSIC

Remember pounding the streets of Tokyo during Japan's scorchingly hot summer of 1998, in search of new and interesting audio/visual happenings. MiniDisc was the big thing at the time, and Sharp and Sony were fighting it out doggedly in every electronics and 'camera' store I visited for MD portable supremacy. DVD was still very much in its early days (and still is, arguably) so there was little of any interest in the portables field, bar a couple of notable exceptions from Panasonic and Pioneer. Now, as I write this at the end of 2000, things couldn't be more different. Cassette has almost totally disappeared off Japanese shop shelves and MiniDisc

has the feel of a mature format whose aura of excitement is waning, if not its actual sales. Whereas the CD portables market of two years ago was bristling with new and exciting designs, today there's little new to look at. DVD's growing steadily, but the real action has been in - yes, you've guessed it - MP3 players, or 'digital audio portables' to use the name everyone's adopting right now. (Let's ignore the fact that CD, MD and DVD walkies also technically come within this ambit!)

Whether it's a shopping arcade in Kichijoji frequented by the general public, or Shinjuku's Yodobashi Camera which attracts audio geeks from miles around, MP3 is

Sony VAIO audio PC's front panel includes MD drive



SANYO

Sanyo has surprised many by its early entry into the digital audio portables market, and the quality of the products it is offering. Whereas Panasonic has put all its eggs in the one AAC basket, Sanyo has taken the more sensible approach of offering dual format MP3/AAC players. It too is doing players in both the traditional 'walkman' and new 'headphone' designs, but is offering lower prices. Sanyo's SSP-HP7 is a headphone product that costs just Y37,000 (£225). The specs are lower than the Panasonic though, as it offers just 32MB of memory from its MultiMedia (MMC) card and higher weight at 154g. It also has 1.5mW lower power output at 3.5mW per side. Again connection is by USB, and the player comes bundled with Sanyo's version of the Liquid player, a set-up CD, batteries and carrying case. The conventionally styled SSP-PD7 offers the same features in a sleek (38.6x 83.5x 24.8mm), metallic finish case weighing 58g complete with MMC card. There's a backlit, dot-matrix LC display, too. [www.sanyo.co.jp/STS/](http://www.sanyo.co.jp/STS/)



AIWA

An early entrant - as far as the Japanese are concerned at least - Aiwa's range now comprises the Y39,900 (£240) MM-FX500 'portable MP3 recorder' and the Y23,000 (£140) CD/MP3 player. The former is a neat looking conventional MP3 walkie weighing in at 77g and measuring 65x89.9x18.7mm. The twist is that it's got a built in microphone which records voice content in MP3 format for storage on your computer hard drive, making it just perfect for student lectures. It's nicely made with 32MB of MMC storage, and features a wired remote control and headphones. The XP-MP3 is essentially a CD walkman using a data CD-ROM drive, allowing it read MP3 music CDs written on computer data CD-Rs. It comes with all the usual Discman features, but is rather bulbous and heavy at 285g.

[www.aiwa.co.jp](http://www.aiwa.co.jp)



Sony's October 2000 launch of its stunning VAIO audio computer (as featured in this month's news section) looks set to do much to advance the cause of multi-format, multimedia music. But there's more, because the Japanese giant is never one to rest on its laurels. November 25th, 2000 saw the release of a number of 'VAIO gear' products, including two stick-shaped portable digital audio players, the pendant styled MC-S50 and the strap-on MC-PH1W. Both feature dinky backlit LC displays, plug in stereo in-ear phones and Sony's OpenMG Jukebox Version 2.0 software. Weighing a mere 33g, they're amazingly inconspicuous and look superb. Both run WMA, MP3 and Sony's ATRAC 3 format, soon to form the backbone behind RealAudio - at 105kbps this gives 80 minutes of playing time from 64MB. However, Sony's MC-PH1 signals which way the wind is blowing, in Japan at least, by incorporating a digital music player into one side of a set of stereo headphones. For Japan's youth, phones are a potent fashion accessory, so these should go down just great! Finally, Sony is also offering the PCGA-JR1 which is a USB digital walkie which connects direct to one of Sony's Psion-style personal organisers. At the time of going to press, prices on all these have yet to be announced.

[www.vaio.sony.co.jp/](http://www.vaio.sony.co.jp/)



SONY



# GOES EAST

everywhere. With characteristic pragmatism and interest in the new, the Japanese have taken to this format - and indeed its rivals - with unbelievably little fuss. Whereas the British audio scene feels it has to take some kind of overarching 'pro' or 'anti' stance (usually the latter, unfortunately), the Japanese simply regard computer audio as an exciting new audio possibility.

However, while British and US music portals have burgeoned, the Japanese have been a bit slower off the mark in this respect. This has meant that most Nipponese fans of 'e-music' either go to Napster like the rest of the world, or to their domestic record company sites for

downloadable sounds. The hardware side of things has also been slow off the mark too, arriving too late to make any mark in 1999 or 2000. However, the big Japanese companies are finally in on the act, and boy have they come up trumps. If you expected Sony, Sharp and Sanyo versions of pre-existing US designed, Korean built MP3 portables, then you're very wide of the mark. The big Japanese audio manufacturers are now launching a raft of extremely impressive - almost stunning - products which remind us that it's the 21st century we're living in - science fiction is rapidly becoming science fact!

Here's the pick of the bunch: ■



## TOSHIBA

In a daring deviation from accepted convention, Toshiba calls its MEA110AS a 'mobile audio player'. Aside from that, its specs aren't radically different to Panasonic's SV-SD70, which means 64MB from a sleek oblong case measuring 50x97x12.5mm and weighing a middling 75g. The player is another dual format AAC/MP3 design, running the former at 128, 64 and 32kbps giving around 60, 120 and 240 minutes playing time respectively. It comes in (G), (D) and (P) variants, marking out its pale blue, orange and pink secondary colour schemes respectively. There's a fine pitch backlit display and Toshiba bundles its 'Audio Manager' software. Price is to be confirmed at the time of writing.

[www.toshiba.co.jp/mobileav/](http://www.toshiba.co.jp/mobileav/)



## SHARP

The strikingly styled WA-HPI is Sharp's entry into the digital portable fray, a headphone model featuring a display set into the middle of the headband, rather than in one of the earpieces. It comes in three lurid finishes, from the carbon fibre-look - ZB and blue flame -ZA to the dreadful plastic wood veneer effect - ZC (last seen on Korean car dashboards!) Y48,000 (£295) buys you the package which includes 64MB from a Sharp MagicGate Memory Stick (a la Sony), rechargeable battery and charger. Dodgy colour schemes aside, it's a slick product which weighs just 149g all in, and includes a USB connector and top notch software. ATRAC 3 and MP3 comes as standard, but there's no AAC compatibility as yet.

[www.sharp.co.jp](http://www.sharp.co.jp)

## PANASONIC

Matsushita's mass market AV brand offers the SV-SD01, a digital audio player in the shape of a pair of stereo headphones with a confirmed price of ¥49,800 (£300). Using Panasonic SD cards (in either 32MB or 64MB), this player runs AAC at 128, 96 or 64kbps bitrates, giving 64, 86 or 129 minute playing times respectively. Weight is quoted at 104g including card, and the frequency response 20Hz-20kHz - which is AAC's theoretical limit anyway.

Bundled with Panasonic's SD-Jukebox software, the player hooks up to your PC via a USB interface. Panasonic also offer the SV-SD70, which is a more conventionally styled design retailing for the same price. It features a cool looking backlit inverted LC display and comes with a strap that lets you wear it like a watch. Together, these new AAC players should give Panasonic a weighty market presence, and extra cred amongst computer audiophiles thanks to its single-minded adoption of AAC.

[www.panasonic.co.jp/avc/audio](http://www.panasonic.co.jp/avc/audio)



# Analog is everything



MC 7500



MC JUBILEE



MC ROHMANN

***Ortofon - the world's oldest and largest cartridge manufacturer***

*With award winning record playing systems available from as little as £110, a range stretching to £2,000 and fortunes still being spent on R&D, there never has been a greater choice for the vinyl lover and music enthusiast*

***Pro-ject - the worlds largest Hi-Fi turntable manufacturer***



THE PERSPECTIVE



CLASSIC CHERRY



CLASSIC V





# DAP'S ENTERTAINMENT

David Price is enraptured by the possibilities of Creative Labs' new DAP Jukebox digital audio player.

**F**ranco de Bonis has a good reason to be a happy man - he's European Brand Manager for Creative Labs' Audio products. In that capacity, he's demonstrating the company's brand new DAP Jukebox to a group of assembled computer scribes on a rainy Dublin Friday afternoon. Yours truly is present at this assembled gathering of hungover hacks (Guinness, Dublin, journalists - geddit?), struggling to keep my eyes open during the morning after the night before. But as soon as Franco announces the DAP, I'm sitting bolt upright, thinking, "wow!" This new gadget from Creative Labs is by any standards a landmark product for audio, very much a taste of things to come.

Although it looks - rather disingenuously in my opinion - like a conventional CD Discman, there's actually no CD transport inside at all. Rather, nestling on a densely packed circuit board is a small 2.5inch notebook-grade 6GB hard drive. This is a dedicated device specifically designed to store music data files. Although visually similar to any other IDE drive, Creative say the firmware has been rewritten to optimise it for accessing large music files at high speeds.

How many music files? Well, that

all depends on the quality that you encode them, but given that an average pop song in reasonably good 128kbps MP3 format takes 4MB, that's around 1,500 songs or around 150 CDs-worth! Even if you want the best 320kbps quality option, you're still talking around 650 songs, equivalent to a shed-load of MiniDiscs or cassettes. Last but not least, it also records pure, uncompressed 16/44 PCM as WAV files. This means you can make identical, bit-for-bit digital copies of music CDs and store them on the DAP - the only downside being that at around 60MB per song, you can 'only' record about a hundred before you run out of disc space. Pretty impressive, huh? I thought so too.

Outside, its 125x37x125mm clamshell case boasts a slick 55x28mm backlit alphanumeric liquid crystal display. There's a smattering of control buttons on top, including Play, Forward, Reverse and Stop, plus rocker switches for navigating menus and special keys for Library and EAX (Environmental Audio eXtension, natch). Underneath is a battery box taking AA cells, into which four supplied NiMH rechargeables go. Creative say they last four hours, which isn't far off the mark.

Round the back are three 3.5mm

stereo minijacks, including two LINE OUTs and a LINE IN to 'record' CD, MD or DAT sources, or even your LP12/Linto. There's also a headphone socket, power point and - most usefully - a USB connector. The latter means quick and easy connection to PCs, as well as that vital hi-fi lifeline, a direct digital audio feed. A TOSLINK optical digital in and out would have been nice, though.

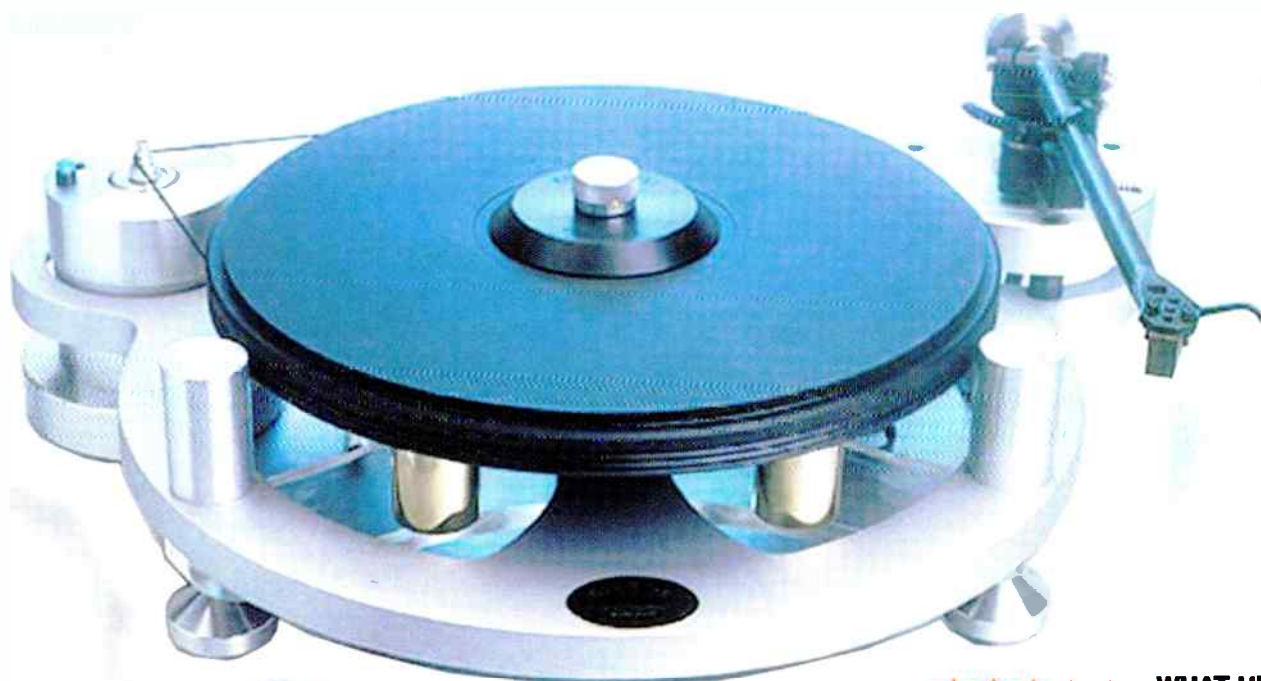
## PLAYING THE JUKEBOX

So, what does it do then? The answer is 'not much without the bundled Playcentre 2 software'. It's a daft name for an impressive bit of code which gives the DAP tremendous power and versatility. It consists of two windows, one showing all the music on your PC, the other the music on the DAP Jukebox. You can then move your music to and fro at the click of a button.

Specifically, Playcentre 2 has a number of ways of looking for music on your PC. One is 'My Computer', which accesses your entire hard drive. Another is 'PC Music Library' which is a special folder on your computer you've designated to store your fave choons. You can also look at the CD loaded into your CD-ROM drive, whether it's a ▶▶

# MICHELL GYRODEC SE

A SYMBOL OF PRECISION



**WHAT HI-FI?**  
June 1999

Michell Engineering, 2 Theobald Street, Borehamwood, Herts WD6 4SE  
Tel: 0208 953 0771

5/046



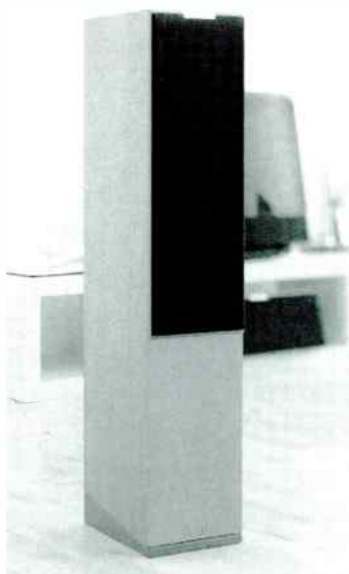
## AUDIOVECTOR

The new improved range of Audiovector M Series speakers are now available...

Call us to arrange a demo or visit our website at:

[www.audiovector.co.uk](http://www.audiovector.co.uk)  
and view the entire range of Audiovector speakers from just £329 (per pr) to over £4,000

Example prices (for Black Ash):  
Bookshelf/stand mounts  
M1 (bi-wire/bi-amp) £649.95/pr  
M1 Signature £1,179.95/pr  
Floorstanding speakers  
M2 (as "Recommended" by Hi-Fi Choice) £999.95/pr  
M3 (tri-wire/tri-amp) £1,199.95/pr  
M3 Super £1,699.95/pr



Post to: Glave Limited, Unit 7, Wren Industrial Estate, Coldred Road, Maidstone, ME15 9YT Tel/Fax: 01622 664070 Web: [www.audiovector.co.uk](http://www.audiovector.co.uk)  
Please send me info on Audiovector speakers

Name: .....  
Address: .....  
Post code: ..... HFW0012

**NORDOST**  
MAKING THE CONNECTION

Speaker cable

Digital

Interconnect

Nordost (UK) Ltd  
Unit 7, Aber Park Ind. Est.,  
Aber Road, Flint, Flintshire CH6 5EX.  
Tel: 01352 730251  
Fax: 01352 731273  
email: [enquiries@nordostuk.com](mailto:enquiries@nordostuk.com)

Nordost Corporation  
420 Franklin Street  
Framingham MA 01702 USA  
Tel: 508 879 1242  
Fax: 508 879 8197  
email: [nordostflatline@msn.com](mailto:nordostflatline@msn.com)

Please visit our web site at:  
[www.nordost.com](http://www.nordost.com)



conventional audio CD or an MP3 data CD-R. The idea is that you import music files from the Net or your CD-ROM to your music library, then label them (Playcentre will go online and access the Compact Disc Data Base to find out what they are by itself if you can't be bothered), then squirt them to the DAP Jukebox. Squirt is the operative word, since a typical four minute pop song in 128kbps MP3 (i.e. 4MB long) takes a matter of a second or two via the fast USB link.

The sort options are staggering. You can display music by album, artist, mood, tempo or genre, and compile hundreds of playlists which in old parlance would be like 'compilation tapes'. If you've got your 150 CD music collection stored on the DAP Jukebox, you can bring together Saxon, Judas Priest and Motorhead for hours of Spinal Tap-like silliness. Or pull together Pat Metheny, Herbie Hancock, Stanley Clarke and Quincy Jones for some laid-back jazz. The point is that you don't actually have to re-record or transfer the songs with a playlist, it's just a case of joining groups of themed tracks and giving them a name for easy access. It's a fantastic system, and makes the once impressive 'Favourite Track Selection' system found on early nineties Philips CD players look like something from the ark. Better still, the DAP Jukebox's Playcentre 2 is the best implementation of playlisting I've seen so far, which is no faint praise.

#### SOUND QUALITY

Playing your music involves selecting your tracks into the 'play queue', which is a bit like stacking up your singles on an autochanger (an analogy which rather dates me, I'm afraid). You select your artist, genre, tempo, playlist (or whatever), then

press 'Play' and the Jukebox does its stuff. This is where hardened hi-fi hacks such as yours truly would expect to be greeted with the usual appalling cheapo portable sound, but it isn't so.

It is to Creative Labs credit that after penning such an impressive piece of cutting-edge industrial design, they bothered to think seriously about its sound. To wit, the Fraunhofer Advanced MP3 codec comes bundled with the DAP, which means fine sounding MP3s and bitrates going right up to 320kbps. What's more, with 6 gigs of storage you can store many hundreds of tracks at this maximum quality bitrate and not have to worry about what it's doing to your computer hard drive. At bitrates of 192kbps or better, the DAP gives any MiniDisc player (maybe with the exception of Sony's superb MDS-JA555ES) a seriously hard time. The audio electronics are excellent (at the price) with no nasties audible and a full, clean musical sound.

Of course, this £379 do-everything super-gadget isn't going to trounce your dedicated high end hi-fi, but really is good enough to plug into the AUX input of your amp and listen at least half-critically. With 320kbps MP3, high treble and low bass are just a touch too soft and fluffy, but there's always an impressive force and drive to the sound, with plenty of detail, bold (almost analogue-like) soundstaging and even a good bit of depth perspective. It sounds great through its headphone jack too. If you deliberately use a sensitive pair of cans. It doesn't have the beefiest headphone amp in the world and this is one area that could be improved. Recording WAV files, you get a close facsimile of what was in your CD-ROM drive, with just a touch of dryness and looseness added from the unit's DAC and



Computer Audio World's listening room, yesterday

analogue audio outs.

The great news is that the DAP Jukebox is reasonably future-proof. Not limited by any one format's theoretical limitations (16/44 PCM notwithstanding), it is 'codec agnostic' (to use the latest buzzword). This means that while it currently supports MP3 and WMA, its reprogrammable firmware will let it handle new digital audio formats and software extensions as they become available. This means AAC, MP4 and whatever else comes along, and will have the added benefit of letting you store even more music files, as the new formats get ever more efficient with their 'bit budgets'. Creative Labs are famed for superb support for their products via their website downloads, and the DAP should be no exception.

Downsides? Well, call me pedantic but its 440g weight does seem a bit of a chore after using CD portables that weigh less than half as much. But then again, they don't offer nearly ten thousand minute playing times, so I guess I can't complain. This bulk, plus the lack of a remote control (one's said to be in the pipeline, though) and no direct digital ins and outs (although you can buy USB converters that give this facility), is all I can think of before scratching my head. If you already have a PC and harbour even the slightest interest in music, it really is a remarkable bit of kit. Franco de Bonis has the easiest job in the world selling this. ■

**CREATIVE LABS DAP JUKEBOX £379**

Creative Labs 01245 265265

[www.creativelabs.co.uk](http://www.creativelabs.co.uk)

WORLD VERDICT



A landmark computer audio product

# island life

## David Price rides the wild surf to audition Turtle Beach's new Montego II Plus audio card.

Unlike many other soundcard manufacturers, Voyetra Turtle Beach has been making computer audio products for years, and acquired an enviable reputation amongst serious users in the process. The £129.95 Montego II Plus is the latest evolution of a card that's been around for a while now, but is still far from old hat. We thought we'd take a look.

The first thing that struck me when opening the box was the quality of the card, the packaging, the manuals and the bundled software. While you'd expect to see a well assembled product from manufacturers asking £200 or more, such fine build is unusual at this near-budget price. The specification is good too. Your money buys you an 18-bit /48kHz full duplex audio card with both S/PDIF optical and gold plated RCA digital inputs and outputs. The company claim "outstanding audio quality", quoting a signal-to-noise ratio of better than 97 dB (A weighted), low 0.0032% THD at -90dB (A- weighted) and a frequency response of 10Hz-20.5kHz (+/-1 dB).

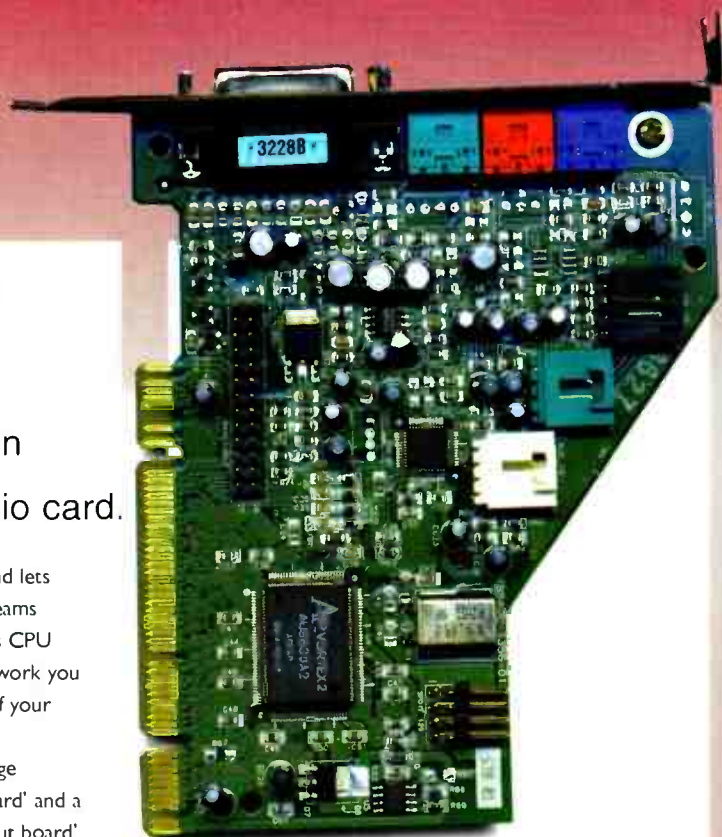
The digital audio processor offers full duplex recording and playback with independent sampling rates. Auto-muting cuts off the signal after periods of digital silence, while 16 hardware digital mixers are available for audio mixing, and all sample rate conversion is done in hardware for faster speeds with no additional CPU load. There's the increasingly common Aureal 3D 2.0 interactive sound positional audio wave- tracing engine for clever sound effects from games, and a 10 band graphic equaliser built into hardware. A wavetable synthesiser is fitted, offering 64-voice hardware and 256- voice hardware-accelerated software wavetable synthesis, as is full MIDI. The card uses its PCI bus to transfer data

faster than ISA sound cards, and lets you mix up to 96 DirectX streams without recourse to your PC's CPU resources, meaning any audio work you do on it won't slow the rest of your system down.

The Montego II Plus package comprises the main 'mother card' and a plug in digital interface 'breakout board' that attaches to the former via a ribbon cable. Together they offer stereo AUX IN, MIC IN and optical and coaxial digital ins, plus LINE OUT, two pairs of speaker outs and optical and coaxial digital outs. The card also comes bundled with Turtle Beach's AudioStation 32 audio application which lets you play and edit WAV and MIDI files, as well as playing your audio CDs through the CD-ROM.

Installation was easy enough. You unscrew two expansion covers at the back of your PC and then push the main card into a spare PCI slot on the computer's motherboard, ensure there's an empty slot (of any type) next to it for the breakout board to fit in. You then screw both boards into place and connect them up with the supplied ribbon cables. There's also a CD-ROM connector which goes onto the 4-pin header marked 'CD IN'. Next you switch the PC on, with the enclosed set-up CD in the CD-ROM, and install the drivers. Then it's the usual 'plug'n'play' routine as Windows looks for them on the CD-ROM and installs them. Last but not least, you reboot.

The supplied software is excellent. AudioView 32 is a fully featured digital audio recorder and mixer (a la SoundForge XP), and PC Audio Mixer is like a glorified Windows Volume Control, letting you set levels for everything from the analogue auxiliary inputs to the digital ins. The Digital I/O Control Panel gives you full control of



the MIDI, A3D settings and the digital ins and outs.

Its sound will be familiar to anyone using a CD player with a budget Crystal Semiconductors DAC inside, because that's what the Montego uses too. This means it's warm, fluffy and quite musical, lacking the more precise, analytical feel of budget Sony players, for example. There's a pleasantly full bass, although it's hardly extended, and a wide, open midband with a reasonable amount of detail and stereo imaging. Treble is obviously looser and more smeared than the better budget CD players, but still listenable enough. Essentially though, it gives a fine performance for the money, and easily the equal of your average £129.95 hi-fi CD separate.

In the scheme of things, it's not an awesome bargain like Yamaha's evergreen WF-192XG, but it's still comfortably better than VideoLogic's £80 SonicFury, for example. This makes it serious value for money, a worthwhile first audio card and the one to have if you simply don't want to spend £200 on a Guillemot MaxiSound Isis. Build, features, set-up and bundled software are as good as you'll get at the price, proving that this is a quality item through and through. ■▲

Turtle Beach Montego II Plus £129.95  
Etcetera Distribution (01706) 228039  
[www.etcetera.co.uk](http://www.etcetera.co.uk)

### SYSTEM REQUIREMENTS

PC equipped with Windows 95/98/NT4.0, 75 MHz Pentium CPU or higher, 16 MB RAM (32 MB required for NT). Hard drive with approximately 12 MB free for software installation, available PCI slot, CD-ROM drive, powered speakers and/or headphones.

### WORLD VERDICT



Fine value for money budget audiophile soundcard, with the emphasis on quality build and classy packaging. Recommended.



# SUBSCRIPTIONS



**UK SUBSCRIPTION £27**

VISIT OUR WEBSITE: [www.hi-fiworld.co.uk](http://www.hi-fiworld.co.uk)

Get your issue of **hi-fi** straight to your door!  
WORLD  
computer audio

**Get to our amazing classified ads first and grab a bargain!!**

Run by dedicated hi-fi engineers and enthusiasts, **Hi-Fi World**

has become famous for its informative reviews and radical kit designs.

**OVERSEAS SUBS RATES**

Surface Mail	£40
Airmail Europe	£50
Airmail Middle East & South-East Asia	£60
Airmail USA, Canada, Australia, Japan, Korea & China	£70

**MISSED AN ISSUE?**

Back issues also available at a cost of £3.50 only (includes P&P). payment by cheque only - overseas please contact us for details. Send cheque to: **Hi-Fi World, Freepost LON3478, London, NW6 6YR**

Credit Card Hotline Monday - Friday 9.30am - 12.00 noon: Tel: +44 01923 270 833 Fax +44 01923 260 588

By post: Make cheque or postal order payable to: **Audio Publishing Ltd**, sent in an envelope marked: **Hi-Fi World, Freepost LON3478, London, NW6 6YR**

## HI-FI WORLD SUBSCRIPTION FORM

I would like to pay by  Cheque made payable to Audio Publishing Ltd.  Credit Card  Airmail  Surface Mail

Please debit my VISA/MASTER/SWITCH Card No.  Switch card issue No.

Expiry Date:  Cardholder Signature:



Name   
 Address  Delivery Address (if Different)

Post Code

Daytime Tel:

Start Issue



# probably the best

NEW DEMONSTRATION ROOM NOW OPEN AT NEW 12A SPRING GARDENS, NEWPORT PAGNELL

## KEL84 VALVE INTEGRATED AMPLIFIER KIT

This is our brand new low cost, beginner level amplifier kit, featuring the popular a pair of EL84 valves in push pull configuration per channel, providing 15 watts into an 8 ohm load, plenty for most medium sensitivity loudspeakers. The output transformers are Ultra Linear, keeping distortion down to a minimum. Up front we have the EC80 valve a extremely smooth pentode/triode tube. The Kel84 has an extremely low hum level, to solid state standards. The kit is based on a printed circuit board. We have given the kel84 a high class look with a 3mm anodised front panel and our famous chrome custom made knobs. The amplifier has the capacity to receive 5 line level inputs, plus one monitor input, with a tape output included, all controlled from the front panel. Both the phono sockets and 4mm banana socket speaker terminals are the gold plated. The Kel84 mains switch is positioned at the rear of the amplifier and is

easily accessible, the mains is received via an IEC lead, an earth post is also positioned at the back

This kit is suited to the beginner in that the instructions now include pictures as well as diagram, making them very easy to follow. At a UK price of £250.00 all inclusive you cannot ignore this kit. Simon Pope says, "The quality that can be gleaned from this amp is a fine introduction to the joys of the valve sound. The KEL84 will highlight all the intricacies and depth of detail in your favourite recordings whilst retaining a warmth and fullness. This combination of both detail and warmth is almost the exclusivity of pure valve amps and is rare at this price point."

The Kel84 weighs in at 10kg. External dimensions with valves are 300mm(w) x 270mm(d) x 150mm(h).



NEW

£250

## KIT88 VALVE INTEGRATED AMPLIFIER KIT & KAT88 VALVE POWER AMPLIFIER KIT

Here is the amazing KIT88. The circuit is similar to that of the ever popular KEL34 with a few changes to incorporate the Tesla, JJ branded KT88 power tetrode. This is a pure Class A push-pull design providing 36 watts into an 8ohm load. Gary Devon has come up with a gem of an output transformer (E/I). Combined with the KT88 it offers a virtually unmatchable result for a valve amplifier. Frequency response measured 11Hz to 75kHz, separation 71dB, noise 98dB, sensitivity 400mV and distortion 0.03%. "As valve amplifiers go, the KIT88 is one of the best measured performers I have ever come across", says Noel Keywood. Jon Marks says, "The KIT88 pulled a series of surprisingly fast, meaty basslines out of its trickbag when dealing with Suzanne Vega's Nine Objects Of Desire album. As if

this wasn't enough, the mid and treble were nice too - cymbals had a deliciously natural, golden shimmer without sounding soft, and vocals were extremely transparent and crisply defined. KIT88 didn't hang around when it came to exploiting the virtues of its' four output valves on numbers such as 'Leaves' and 'Suspect Sustain' from Cirrus' Land's End Jazz CD. Saxophone had a wonderfully smooth, realistic character, and acoustic guitar mixed speed with harmonic richness to very impressive effect. Asian Dub Foundation and Moloko showed no sign at all of the sluggish, woolly bottom-end and poorly-delineated bass beats that most valve amps are to blame for. Which makes the KIT88 an all-round, high-end bargain." Weight 16kg, external dimensions with valves are 330mm(w) x 300mm(d) x 190mm (h).



£425

KaT88 upgrade kit now available

£140

KaT88 VALVE POWER AMPLIFIER KIT

£440

KIT88 upgrade kit now available

£150

KIT88 VALVE INTEGRATED AMPLIFIER KIT

## ALL NEW SERIES II MODULAR PRE-AMP KIT

The PRE-II is a valve pre-amplifier with six inputs, tape monitor and two sets of output sockets. It utilises a high quality line driver transformer and x5 gain. The PHONO-II is a dedicated valve phono stage that incorporates a step up transformer for MC users. Finally,

PSU-II is a power supply unit that feeds both the PRE-II and PHONO-II.

Power Supply Unit (PSU-II)	£175.00
Pre-amplifier (PRE-II)	£175.00
Phono Stage (PHONO-II)	£100.00
Moving coil step-up transformer	£70.00



## THE ALL NEW 300B PSE MONOBLOC KIT

Our Parallel Single Ended amplifiers offer the ultimate sound quality, featuring two of the beautifully linear 300B directly heated triode in the output stage (per monobloc) pushing out 20 watts into an 8 ohm load. At the front we have a 6AU6 pentode and the famous ECC82 as the driver valve and the kit utilises a 5U4 rectifier valve for the power supply in combination with a 10H choke, giving an extremely quiet supply. For the mains and output transformers we have used the E/I type. Feedback is

switchable for all those punt out there and the kit is totally hard-wired. For those that require valves we provide the superb Tesla 300Bs, Russian 5U4s and European 6AU6s & ECC82. Simon Pope says, "Not to put too fine point on it, the sound these monoblocs create is among the finest that can be encountered in hi-fi." Our 300B PSE kit bears an affordable price of £795.00 (UK price) excluding valves. Each monobloc weighs 23kgs., external dimensions with valves: 25cm(w) x 38cm(h) x 22cm(d) per monobloc.



NEW

£795.00

## KEL80 MONOBLOCK AMPLIFIER KIT

Following the success of our budget KEL34 40watt kit amplifier, we have come up with a 'bigger brother' design. The output stage utilises two pairs of TESLA EL34 pentodes in parallel-push-pull mode, allowing KEL80 to turn out 80 watts into an 8ohm load. Heading up the input stage we have the wonderfully linear Russian 6AU6 working into an American 5687 phase-splitter. KEL80's output transformers are 4ohm and 8ohm tapped. With an input sensitivity at

around 380mV for full output, it will happily partner both passive and active pre-amplifiers. It is easy to assemble. Simon Pope says, "The proof of the pudding is in the eating and the KEL80 is a feast for the ears, with solid bass attack, lightning fast reactions, that emphasises musicality as well as power, at 590.00 GBP a pair, a definite valve winner. Each monobloc weighs 12kgs., external dimensions with valves: 14cm(w) x 8cm(h) x 43.5cm(d)



£590 A PAIR

## HD83 VALVE HEADPHONE AMPLIFIER KIT

The HD83 is our new headphone amplifier, a beautifully simple design using Mullard ECL83 valves, a triode and power pentode housed in the same envelope. It works directly from any source, be it CD, tape, tuner etc., or from an amplifier's tape out or pre-amp sockets. The circuit utilises high specification output E/I output transformers that will drive any headphone load from 16 ohms to over 300 ohms depending on how the secondaries are

wired up. The HD83 is a single-ended design with the power pentode wired up in triode configuration for that added punty and is a quiet as a mouse. For sound quality Jon Marks says, "The bass is punchy and controlled without becoming artificial, while treble has the crispness of the best solid-state, with the tonal purity, delicacy and speed associated with valves. External dimensions 18cm(w) x 30cm(d) x 8cm(h) weight 4kg.



£175

### parts directory

#### mains transformers & chokes

**Kel84 mains transformer**  
1.5 inch stack, 90mm(h) x 80mm(w) x 95mm(d) drop through fitting with zinc cap. Secondaries: 0V-240V/300mA, 3 15V/0V-3 15V/5.5A, suitable for 120/240V operation

**KIT88/KaT88 mains toroidal transformer**  
120mm dia. x 60mm(h) Secondaries 195V/0V-195V/450mA/0V-27V, 100mA/3 15V/0V-3 15V/9A, suitable for 120/240V operation

**300B PSE mains E/I transformer**  
130mm(h) x 95mm(w) x 115mm(d), drop through fitting with zinc cap. Secondaries: 380V/0V-390V, 180mA/150-0V-150V, 25mA/0V-5V, 1 2A/0V-5V, 1 2A/0V-5V/3A/3 15V/0V-3 15V/0.4A suitable for 120/240V operation

**Kel80 mains toroidal transformer (encapsulated)**  
130mm dia. x 65mm(h). Secondaries 195V/0V-195V/350mA/0V-27V, 100mA/3 15V/0V-3 15V/7.5A, suitable for 120/240V operation

**HD83 mains toroidal transformer**  
80mm dia. x 35mm(h) Secondaries 0V-165V/75mA/3 15V/0V-3 15V/1A suitable for 120/240V operation

**PSU-II mains toroidal transformer**  
95mm dia. x 35mm(h) Secondaries 0V-270V/60mA/0V-10V/2A, suitable for 120/240V operation

**TRANS1 mains toroidal transformer**  
95mm dia. x 50mm(h) Secondaries 0V-370V/150mA/0V/6 3V/3.5A

**300B E/I choke**  
65mm(h) x 70mm(d) x 80mm(w) open frame fitting, 10H 180mA.

**Kel84 E/I choke**  
0.5 inch stack, 40mm(h) x 35mm(d) x 70mm(w) clamp fitting, 1H 250mA

**PSU-II E/I**  
40mm(h) x 35mm(d) x 70mm (w) clamp fitting, 15H, 20mA

**output transformers**  
**Kel84 E/I Ultra Linear push-pull output transformer**  
1.25 inch stack, 76mm(h) x 65mm(w) x 76mm(d) Primary - secondary, 8K w/12.5° UL tap - 8ohms, max o/p-15watts, max current, 150mA valves EL84 etc  
**KIT88/KaT88 E/I push-pull output transformer**  
80mm(w) x 95mm(h) x 100mm(h). Primary-secondary 10K - 8ohms, max o/p-40watts max current-160mA valves-KT88 6550, EL34



# diy kits in the world

MILTON KEYNES, BUCKS MK16 8HS - CALL FOR DETAILS ON 01908 218 836

## KLS10 HIGH TECHNOLOGY COMPACT MONITOR

Our mini-marvel uses an Audax carbon fibre bass/midrange unit, married to the world's most advanced tweeter, the piezo-electric gold dome HD3P from Audax. KLS10 offers high performance from a small package. The main speakers are designed to work alone, or with a dedicated subwoofer to extend their bass. Alone, they are suited to near-wall mounting and can be tuned by port adjustment to suit personal

taste and location. They are easy to drive and need just 30-60watts. KLS10 is unique. Technically advanced, yet compact and relatively inexpensive. There is little to match it. Sensitivity 89dB 1W/1m, 15mm MDF, internal volume 9Ltrs, external dimensions 19cm(w) x 31cm(h) x 23cm(d).  
Drive units & Crossover KIT £394.00  
Drive units only £358.00



**£394**

## KLS10 GOLD SUBWOOFER

Designed to compliment KLS10 Gold stand mounters by providing a deep and open bass. The subwoofer is inexpensive, easy to build, comprising a simple crossover network to a high quality 8 inch Aerogel dual voice coil unit. A must for all KLS10 Gold customers. Sens. 89dB.

volume 25 litres, external dimensions 28cm(w) x 43cm(h) x 34cm(d).  
DRIVE UNIT & CROSSOVER KIT £149.95  
Drive unit only £71.00



**£149**

## KLS9 TWO WAY FLOORSTANDER

Here's a storm for you - KLS9, with its BB4 alignment bass cabinet and Audax High Definition Aerogel 8in bass/midrange unit. Designed by Noel Keywood to possess optimal bass damping and a clean step response. Aided by a teensy bit of bass lift, KLS9 really thunders: it will re-arrange your furniture. But it does not waffle, falling silent when there's no bass in the music. Aided by a high power 1in fabric dome

tweeter, KLS9 is detailed, evenly balanced and images superbly. It is an easy 120m load and is 88dB sensitive. For amps up to 60W. Easy to build and great for beginners. Internal volume 70Ltrs. 18m MDF external dimensions 25cm(w) x 93cm(h) x 40cm(d).  
Drive units & crossover kit £230.00  
Drive unit pack £160.00



**£230**

## KLS14 COMPACT TWO WAY STANDMOUNTER

The KLS14 is an extremely simple design and was designed to complement our new Kel84 budget amplifier. It uses a H26TG-35-06, a 26mm fabric dome tweeter from Vita and a Seas CA21RE mid/bass 8 inch doped paper cone, driver from Seas. It is a 20 litre, sealed box design and is a friendly load so will work well with most amplifier types from 10 - 100 watts. Simon Pope says, "The sound of the KLS 14 is exciting and immediate, it also has an overall fluid and smooth response which adds a touch of sophisti-

cation to the sound, so it's never too harsh. It's basically everything you hope for in a standmount but rarely encounter, creating a big sound from a small size and deep bass with control." It has a frequency response of 50Hz - 18kHz +/- 3dB, a good sensitivity of 89dB and a nominal impedance of 8 ohm. Internal volume 20.6 litres external dimensions = 376mm(h) x 312mm(d) x 256mm(w)  
Drive unit & crossover Kit £165.00  
Drive unit Pack £125.00



**£165**  
**NEW**

## KLS3 Gold Mk II

ADVANCED TECHNOLOGY  
THREE WAY LOUDSPEAKER  
KLS3 Gold uses the latest version of Audax's innovative oval gold dome piezo electric tweeter, giving it the sweetest and most extended treble. Married to a 4in. carbon fibre cone midrange driver for neutral and clear reproduction, and a powerful

8in. bass driver for superb depth, this is our top-of-the-line reference speaker. Sensitivity 90dB at 1W/1m, 25mm MDF, internal volume 60Ltrs, external dimensions 26cm(w) x 100cm(h) x 35cm(d).  
Drive Unit & Crossover kit £575.00  
Drive Unit Pack £450.00



**£575**  
Upgrade your KLS3s to Gold status. Includes latest oval gold dome piezo tweeter and all components.  
**£330**

## capacitors, potentiometers & upgrade kits

- a. BLACK GATE 220uF, 50V electrolytic
- b. BLACK GATE 4700uF, 16V electrolytic
- c. JENSEN 0.47uF, 630V paper in oil capacitor
- d. LCR 22.5uF 440Vdc polypropylene capacitors (wire leadouts radial) 100mm(h) x 45mm diameter
- e. ANSAR 22.5uF 630Vdc polypropylene capacitors (wire leadouts radial) 85mm(h) x 45mm diameter

- f. ALPS blue audio grade 50K or 100K dual log potentiometer 8.5mm diameter fitting hole

### Kit88 upgrade kit

- 4 x Jensen 0.47uF, 630V
- 4 x Black Gate 220uF, 50V
- 2 x Black Gate 4700uF, 16V
- 1 x 100K alps pot

### KaT88 upgrade kit

- 4 x Jensen 0.47uF, 630V
- 4 x Black Gate 220uF, 50V
- 2 x Black Gate 4700uF, 16V



**Kel80 E/I parallel-push-pull output transformer**  
95mm(w)x115mm(l)x133mm(h). Primary-secondary 4.6K - 8 & 40ohms, max op-80watts, max current-250mA Valves-EL24/E881/GLO

**HD83 E/I single ended output transformer** 40mm(w)x50mm(l)x55mm(h) Primary-secondary 4K - 4 x 64ohms windings, max op-1watts max current-25mA valves-ECL83etc

**Pre-II E/I driver transformer**  
80mm(w)x60mm(l)x65mm(h). 6.1 step down transformer, max current-10mA valves-6922etc tri-tri stage  
**printed circuit boards**  
**Kel84 Printed Circuit Board** 280mm(w) x 135mm(l) x 1.6mm(d)  
**Kit88/KaT88 Printed Circuit Board** 140mm(w) x 310mm(l) x 2.4mm(d)

**Kel34 Printed Circuit Board** 140mm(w) x 310mm(l) x 2.4mm(d)  
**Kel80 Printed Circuit Board (a pair)** 120mm(w) x 215mm(l) x 2.4mm(d)  
**HD83 Printed Circuit Board** 140mm(w) x 160mm(l) x 1.6mm(d)  
**PSU-II Printed Circuit Board** 105mm(w) x 130mm(l) x 1.6mm(d)  
**PRE-II Printed Circuit Board** 105mm(w) x 130mm(l) x

1.6mm(d)  
**PHONO-II Printed Circuit Board** 105mm(w) x 130mm(l) x 1.6mm(d)  
**Tag board** 2 x 16 connections (hard wiring) 40mm(w) x 140mm(l) x 3mm(d)  
**special offers**  
**K5881 chassis** 70mm(h) x 400mm(w) x 325mm(d) ideal for hobbyists. has punched holes for 4 octal & 4 B9A valve bases, 2 x 78.1mm and

1 x 120.1mm. Front has switch hole, Rear has 4mm spk holes & phono socket pair.  
**Kel34 chassis** 330mm(dx) 190mm (h) ideal for the constructor who requires a compact chassis to incorporate 4 octals, 2 B9A & B7G bases mounted on kel35 PCB - £12.00 2x 78.1mm holes and fixing for a 115mm dia toroidal mains rear has 5 phono pair holes & 2 XLR holes

parts directory

World Audio Design



NO HINT OF HISS



On a Hi-Space™ recordable MiniDisc, you can cut, paste, divide, erase and record a million times. One thing alone will never change. The digital quality of the recording. Just pure sound, no hiss.

TOMORROW'S MEMORY TODAY



Web Site: [www.hi-space.com](http://www.hi-space.com) - E-mail: [info@hi-space.com](mailto:info@hi-space.com)  
UK Office - Tel: 020 8961 9906 - Fax: 020 8963 0737

World Radio History





order on our website @

www.worldaudiodesign.co.uk

These are expert kits, not for the inexperienced. You must be able to solder and read a circuit diagram. The valve kits contain lethal voltages. We cannot be held responsible for any errors arising from the construction of these kits.

amplifier kits description

Kel84 valve integrated amplifier kit (with valves)
Kel84 valve integrated amplifier kit (without valves)
PSU II power supply unit module
PRE II pre-amplifier module
PHONO - II phono stage module (with valves)
Moving Coil step up transformers
Kit88 Valve integrated amplifier kit (with valves)
Kit88 Valve integrated amplifier kit (without valves)
Kit88 upgrade kit
KaT88 Valve integrated amplifier kit (with valves)
KaT88 Valve integrated amplifier kit (without valves)
KaT88 upgrade kit
HD83 Valve Headphone amplifier kit (with valves)
Kel80 Valve Monobloc amplifier kit (with valves)
Kel80 Valve Monobloc amplifier kit (without valves)
300B PSE Valve Monobloc amplifier kit (with valves)
300B PSE Valve Monobloc amplifier kit (without valves)

order No.

Kel84-K240/K120 (with valves)
Kel84-K240/K120 (without valves)
PSU - II - K240/120
PRE - II
PHONO II
MC - step up (pair)
Kit88-K240/120 (with valves)
Kit88-K240/120 (without valves)
Kit88 upgrade
KaT88-K240/120 (with valves)
KaT88-K240/120 (without valves)
KaT88 upgrade
HD83-K240/120 (with valves)
Kel80 -K240/120 (with valves)
Kel80 -K240/120 (without valves)
300B PSE-K240/120 (with valves)
300B PSE-K240/120 (no valves)

qty

uk

(inc vat & carriage)
£250
£225
£175.00
£175.00
£100.00
£70.00
£440
£325
£150.00
£425
£310
£140.00
£175
£590
£520
£1070.00
£795.00

overseas

(exc. vat & carriage)
£215
£195
£150.00
£150.00
£85.00
£60.00
£375
£275
£130.00
£365
£265
£120.00
£150
£500
£445
£910.00
£680.00

loudspeaker kits

KLS3 Gold mkII Drive Units
KLS3 Gold mk II Drive Units + Crossover Kit etc
KLS9 Drive Units
KLS9 Drive Units + Crossover Kit etc
KLS10 Drive Units
KLS10 Drive Units + Crossover Kit etc
KLS10-Subwoofer Drive Units
KLS10 Drive Units + Crossover Kit etc
KLS14 Drive units
KLS14 Drive units + Crossover Kit etc

order No.

KLS3G-D
KLS3G-C
KLS9D
KLS9C
KLS10D
KLS10C
KLS10-subD
KLS10-subC
KLS14D
KLS14C

qty

uk

(inc vat & carriage)
£450.00
£575.00
£160.00
£230.00
£358.00
£394.00
£71.00
£149.00
£125.00
£165.00

overseas

(exc. vat & carriage)
£392.00
£500.00
£140.00
£200.00
£311.00
£343.00
£61.00
£130.00
£107.00
£140.00

parts description

Kel84 E/I mains transformer
Kit88/Kat88 mains toroidal transformer
Kel80 mains toroidal transformer(encapsulated)
HD83 mains toroidal transformer
PSU-II mains toroidal transformer
TRANS1 mains toroidal transformer
300B PSE E/I mains transformer
Kel84 E/I choke
300B PSE choke
PSU-II E/I choke
Kel84 E/I push-pull output transformer
Kit88/Kat88 E/I push-pull output transformer
Kel80 E/I parallel-push-pull output transformer
HD83 E/I single ended output transformer
Pre-II E/I driver transformer
300B PSE E/I output transformer
Kel84 Printed Circuit board
Kit88/KaT88 Printed Circuit Board
Kel34 Printed Circuit Board
Kel80 Printed Circuit Board
HD83 Printed Circuit Board
PSU-II Printed Circuit Board
PRE-II Printed Circuit Board
PHONO-II Printed Circuit Board
Tag board 2 x 16 connections (hard wiring)
Alps blue audio grade 50K dual log potentiometer
Alps blue audio grade 100K dual log potentiometer
Aerovox 150uF 500Vdc v. high quality electrolytic
Aerovox 220uF 500Vdc v. high quality electrolytic
TROBO 470uF 450V high quality electrolytics
TROBO 100uF 450V high quality electrolytics
LCR 22.5uF 440Vdc polypropylene capacitors
Ansar 22.5uF 630Vdc polypropylene capacitors
Jensen 0.47uF 630Vdc paper in oil capacitor
Black Gate 220uF 50Vdc electrolytic
Black Gate 4700uF 16Vdc electrolytic
K5881 chassis
Kel34 chasis
650V safety gloves (a pair)

order No.

Kel84 - mains T
88 - mains T
Kel80 - mains T
HD83 - mains T
PSU-II - mains T
TRANS1
300B - mains T (each)
Kol84 - choke
300B - choke
PSU-choke
Kel84 - O/P T (pair)
88 - O/P T(pair)
Kel80 - O/P T(pair)
HD83 - O/P T(pair)
PRE-II - driver T(pair)
300B - O/P T (each)
Kel84 - PCB
88 - PCB
Kel34 - PCB
Kel80 - PCB(pair)
HD83 - PCB
PSU-II - PCB
PRE-II - PCB
PHONO-II - PCB
TAG
ALPS - 50K
ALPS - 100K
AERO - 150U
AERO - 220U
TROBO - 470U
TROBO - 100U
LCR - 22.5U
ANSAR - 22.5U
JEN - 0.47U
BG - 220U
BG - 4700U
K5881 - CHAS
KEL-CHAS
SAFETY GLOVES

qty

uk

(inc vat & carriage)
£50.00
£75.00
£70.00
£35.00
£35.00
£25.00
£100.00
£15.00
£35.00
£18.00
£80.00
£130.00
£170.00
£85.00
£70.00
£120.00
£22.00
£37.00
£12.00
£47.00
£18.00
£18.00
£18.00
£18.00
£18.00
£3.50
£11.00
£11.00
£12.00
£17.00
£8.50
£4.00
£10.00
£16.00
£20.00
£12.00
£16.00
£55.00
£40.00
£10.00

overseas

(exc. vat & carriage)
£43.00
£55.00
£52.00
£25.00
£25.00
£17.00
£85.00
£13.00
£30.00
£16.00
£70.00
£104.00
£136.00
£65.00
£54.00
£102.00
£19.00
£32.00
£10.00
£39.00
£15.00
£15.00
£15.00
£3.00
£9.00
£9.00
£9.50
£15.50
£7.00
£5.00
£8.50
£13.00
£17.00
£10.20
£13.60
£45.00
£32.00
£9.20

order information

NAME:
ADDRESS:
POST CODE:
COUNTRY:
TEL. (DAY):

24 hour Credit Card Hotline:

Tel: 01908 218 836

I enclose cheque/postal order for £ made payable to World Audio Publishing Ltd. I wish to pay by Mastercard / Visa /Switch/ Solo. Please debit my account no:

Expiry Date: Signature: (Switch/Sulu only) Valid Date: Issue No.

WARNING World Audio Publishing Ltd. accept no responsibility for kits, parts or modifications made or supplied by third parties Order on our website www.worldaudiodesign.co.uk

Please send your completed order form to:

Far East Distribution

overseas price & details

Millennium Hi-Fi & AV 137 Jalan Pendekar 2, Taman Skudai Baru, 81300 Skudai, Johor DT, Malaysia Tel 07 554 5171 - Fax 07 554 7645 - email mha8@pd.janng.my

Please allow for your own local import taxes (custom duties) and for carriage charges, which must be added to the net price. METHODS OF PAYMENT include money order in Sterling Mastercard or Visa.





# WIRE & INSULATION

introduce **DESKADEL** Products

731/733 Ormskirk Road • Pemberton  
Wigan • Lancashire • England • WN5 8AT  
Tel: 01942 224040 Fax: 01942 887171

The DESKADEL range of HI-Fi interconnect, speaker cables, hook-up wires and tone arm wires are precision manufactured featuring PURE SILVER conductors insulated with PTFE in a variety of designs to suit all applications. Using only the finest materials and the latest manufacturing techniques we aim to provide a selection of quality products for superb natural sound reproduction on a scale previously unheard.

**INTERNATIONAL TRADE ENQUIRIES WELCOME**

## DISTRIBUTORS:

Switzerland  
**ARBELOS**  
Tel: 00-41-718586282

Holland  
**ANALOGUE AUDIO PRODUCTS**  
Tel: 00-31-306044342

UK  
**AUDIO SYNTHESIS**  
Tel: 00-44-1159224138

Spain  
**GINSA ELECTRONICS**  
Tel: 00-34-932005055

Germany  
**LOTHAR HOFFMANN**  
Tel: 00-49-60298107

Greece  
**CHRISTOU LABRITIS**  
Tel: 00-30-17773208

S. Africa  
**LOWVELD AUDIO**  
Tel: 00-27-137511485

Belgium  
**DESKADEL INT BVBA**  
Tel: 00-32-3-8892231

# pear audio

presents

# Shahinian DYNAVECTOR Well Tempered

Stockists and Information from  
**Pear Audio Ltd. 7 Prospect Place,  
Alnmouth, Northumberland, NE66 2RL**  
Tel: 01665 830862 Fax: 01665 830051

## Stands Unique Solid Hardwood Furniture

New Nova Sonique AV Loudspeaker 'as flat as a plasma tv'

"This truly is a solution to ugly speakers on shelves, and, with judicious use of small subwoofers will make an excellent sounding as well as looking surround sound system" - Home Cinema Choice Awards 2000



*Designed for your lifestyle*

Call or send for a full colour brochure pack to Stands Unique, 70 Higham Road, Rusden, Northants NN10 6DD tel: 01933 412227 fax: 412215 www.standsunique.com



**D**igital Audio Broadcasting has been with us for five years, but few are listening. During May 2000 a European Broadcasting Union Conference in Stockholm declared that DAB, "has been held back by the unwillingness of manufacturers to cut the price of receivers". More sinisterly, they state, "European administrations need to be convinced that a migration timetable from analogue to digital radio is needed". By this they mean switching off VHF/FM to force people to buy DAB, which is a political hot potato if ever there was one.

Declarations like this annoy me. DAB is a clever system in all respects except one: it was designed by broadcasters for broadcasters, which is why only broadcasters are listening. DAB is the broadcasting equivalent of Concorde - way ahead of its time and convincingly elegant, yet commercially bananas.

Blaming manufacturers, the European Broadcasting Union shows how unworldly people who are funded by public money can be. DAB is an astonishingly complex technology, so much so that no manufacturer, except the largest, could ever produce a DAB receiver in-house. Companies like VideoLogic, whose tuner I review in this issue, have to buy in a 'solution', meaning a dedicated chipset or even a complete board system, costing hundreds of pounds. This is why the price of DAB tuners is so high. The latest price I can get is "around £40 out" for a complete DAB board solution, resulting in a tuner costing at least £200.

It wasn't manufacturers who got together to design DAB, as the EBU seem to imagine, but the European Union. European governments and publicly funded broadcasters between them decided the broadcasting technology devised by Germany's Rundfunktechnik (IRT) in the early 1980s should become part of European research project Eureka 147. To cut a long story short, we ended up with a radio transmission system of undoubted ability that no one could produce at a sensible price.

And things are getting worse, too. Although Europe represents a sizeable

market of 385 million, the other great markets of the world - USA and Japan - have both rejected DAB. As a result, both American and Japanese chip manufacturers have little incentive to get involved in a complex technology which may never sell, and this is a real problem. The situation on the ground is complex. DAB chipsets are made by Panasonic, Temic, Philips and Hitachi - three Japanese companies and one European. Although Philips Components produce the 3500 DAB chip in the USA, European Philips Consumer Electronics does not have a DAB receiver in its product range due to supposed lack of demand.

Those who want FM 'switched off' believe this will create the demand Philips says is missing, but why should EU consumers be forced to abandon existing

this we all have to throw away our radios and buy new ones, meaning the listeners are effectively being asked to subsidise broadcasters.

DAB uses less transmitter power than FM and takes less radio space. Governments have learnt they can make big money auctioning the airwaves. Mobile telephone licenses brought in billions for this government and I see the Radio Authority is asking a mere £25k for a license to broadcast commercial stations in London on just one small part of the DAB spectrum, block 12B, for twelve years. How much do you think they'll get selling off FM when all the transmitters are switched off? Obviously DAB's efficient use of the radio spectrum frees up more of it to be sold off. The only losers in this are the general public, who will have to pay out for DAB radios and also for the £10 million the BBC has spent to date on the transmitters. DAB hasn't been held back by the "unwillingness of manufacturers to cut the price of receivers" as the EBU believe, but because it was poorly conceived. It isn't being bought by the public because it's too expensive and is likely to stay that way, now that both America and Japan have walked away. ●

” they mean switching off VHF/FM to force people to buy DAB

analogue radios and hi-fi tuners they're perfectly happy with? FM is a thoroughly good broadcasting system that not so long ago was considered the height of technology. I come across comments like, "my radio cost £20, it's waterproof and gives great quality in the shower. I don't need anything else". Analogue radios are inexpensive, effective and everywhere. They range from cheap 'transistors' up to Denon's TU-S10 which I've reviewed this month, and gives astonishing quality. The problem for DAB is that it must convince people that it's obviously better than FM for them to move to it willingly, and at present it simply can't, in my view. Analogue radio already gives 'near CD quality' and DAB can do no better:

The truth is that DAB was conceived to benefit broadcasters. The slippery business of listening figures drives their actions. They like quoting 'potential' audiences, as defined by coverage areas, which in turn are defined by hiss levels. As DAB gives less hiss on weaker signals, so it extends coverage and magically expands audience figures. Hey Presto - both the BBC and commercial broadcasters can claim much larger audiences! Of course, for them to do



Noel Keywood

# connect 5

## ||▶ CHORD COMPANY CHORUS £200/METRE

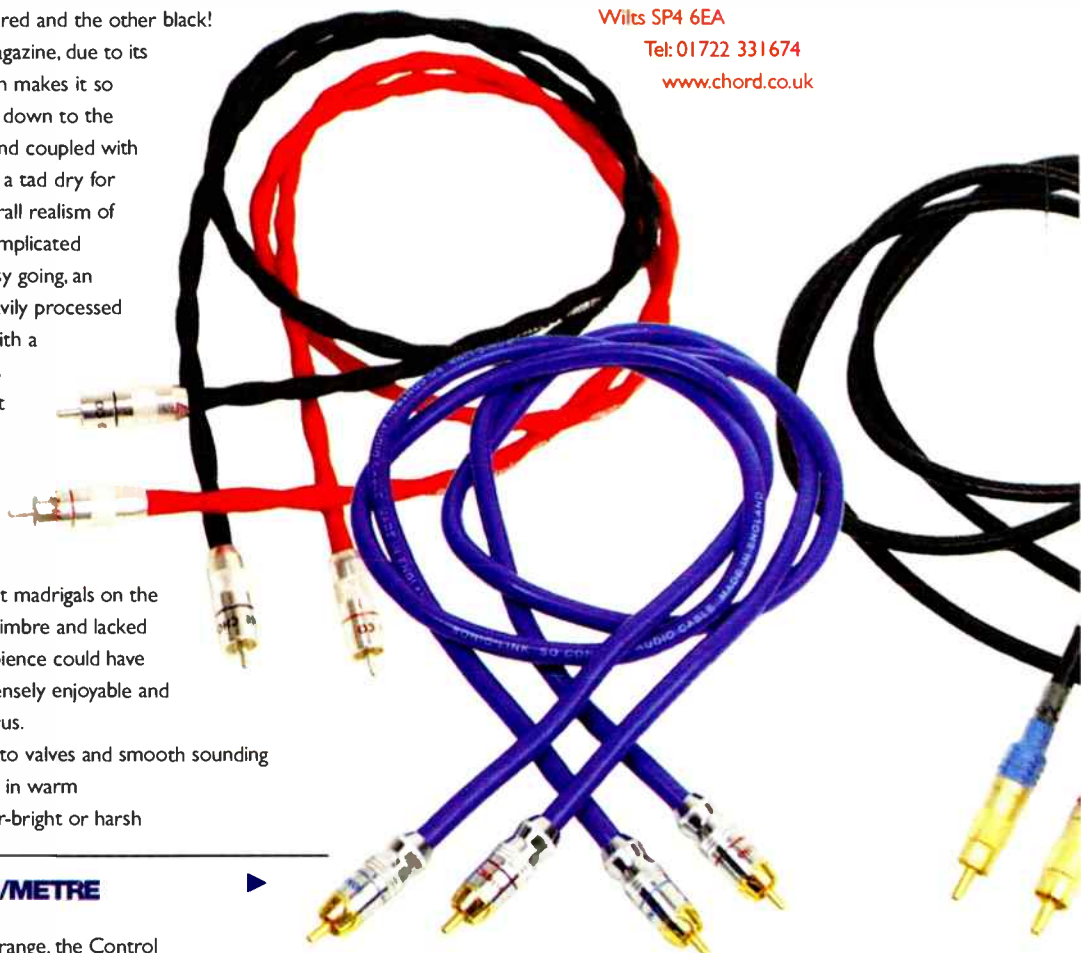
The next step down from the Chord Company's Anthem range-topper, the Chorus is a far more 'industrial' looking design than the others tested here. Apparently four years in development, it has 'twisted pair' construction with a braided, floating screen. Both the conductors and shield are silver plated and all the insulation is Teflon. It's terminated with the Chord Company's usual silver plated phono plugs using silver solder to create a single material signal path. Incidentally, there should be little problem with getting your negatives and positives muddled either. No more squinting at the connector for the red and black bands here, as one whole cable is red and the other black!

The Anthem is a favourite of this magazine, due to its naturalness and way with phrasing which makes it so inherently musical. This attribute carries down to the Chorus, which has a lyrical, smooth sound coupled with bone crunching bass. The sound may be a tad dry for some tastes, but to me adds to the overall realism of the cable. It has the knack of making complicated passages of music sound remarkably easy going, an example being The Screaming Trees' heavily processed and complex mix, which was handled with a deftness that impressed immensely. Bass was well focused and detail was brought to the fore in both the midrange and high frequencies. Drums were well defined and guitars smooth and tuneful, as opposed to merely noisy. Its innate smoothness is well suited to classical vocal music such as the Verdelot madrigals on the Linn Records label. Voices were rich in timbre and lacked any edge to the sound. The general ambience could have picked up a tad more but I got an immensely enjoyable and easy listening experience with the Chorus.

This cable is particularly well suited to valves and smooth sounding equipment, where it brings out the best in warm components. It will also calm down over-bright or harsh

systems with its tuneful and sympathetic ear. Highly recommended. ■

The Chord Company  
 ▼ 30a Sarum Business Park  
 Portway Salisbury  
 Wilts SP4 6EA  
 Tel: 01722 331674  
[www.chord.co.uk](http://www.chord.co.uk)



## ||▶ SONICLINK CONTROL £135/METRE ▶

Part of the all-new Second Generation range, the Control supersedes the long-lived Blue Nickel and is slightly different in construction, look, sound and price. We now have a fatter sheath with weight and substance, certainly different from SonicLink's previous tradition of 'bootlace' cable. It's altogether more luxurious looking, with the addition of SonicLink's new solid, chunky plugs. It also takes a price drop, as the Blue Nickel sold for £150 per metre. The Control is constructed of four individually insulated solid core nickel conductors, two at 0.5mm and two at 1mm thickness, all screened, with PTFE insulation.

This new breed of SonicLink has a slightly warmer sound than you'd expect. Its cables have always had a tradition of 'brightness', one that I personally didn't mind. The advantages of this sound are rhythmic attack and good detail and separation. The Control keeps these traits and adds some roundness to the sound, giving a less raw account of things. The Screaming Trees 'Dust' album had presence and excitement - 'old' SonicLink traits - but added a smoothness of vocal line and warmth in the midrange, especially with the heavy guitar layers. This warmth was best

exposed was in acoustic vocal music - the Verdelot madrigals showed good detailing, voices blended well and the edge to high female voices which often occurs with this recording was absent. Staging and separation were also good.

A well balanced cable from SonicLink, then. If you favour detail and cleanness of sound or need to spark up a dullish system, it could well be for you. ■

SonicLink  
 The Derwent Business Centre  
 Clark St.  
 Derby  
 DE1 2BU  
 Tel: 01332 361390  
[www.audiocables.co.uk](http://www.audiocables.co.uk)



Fancy a quick and easy upgrade? Simon Pope listens to five premium interconnects priced above £100.

**MONSTER CABLE M1000i**  
**£299.95/metre or £219.95/0.5 metre**

Monster Cable hails from San Francisco and comes to the UK by Lenbrook, distributors of NAD and Dali amongst others.

This cable, as the inhabitants of its homeland would say, is one heavy mother, and is far the weightiest interconnect I've come across. It's actually constructed from 'virgin' copper and features Monster's MultiTwist design which aims to minimise intertransient noise and improve dynamic range. The M1000i also features three 'precision-wound Bandwidth Balance networks'. These multiple-gauge groups of wires separately guide the bass, mid and high frequencies down the cable and are specially wound to optimise varying magnetic fields.

Monstrous by name, monstrous by nature? No way - this is

a fine sounding interconnect indeed. It may lack the neutral transparency of others but still boasts a tremendously musical sound. Highlights are dynamics, plus a rock-solid, super tuneful bass. The Screaming Trees sounded full and powerful, with a strong physical presence and a very deep sound stage. The detailed drumming and thumping kick drum had a good dose of 'wow' factor, the panned tom-toms showing up the excellent imaging of the M100i. The lyrical elegance of Verdeler's madrigals had plenty of detail and presence.

The M1000i is by no means cheap, but you get a strong and sophisticated sound for your money. Here's a cable that makes a big difference. ■

Lenbrook UK Ltd.  
 Unit 2,  
 Wolverton Rd.  
 Old Wolverton  
 Milton Keynes  
 MK17 5NP  
 Tel: 01908 319360 [www.lenbrook.co.uk](http://www.lenbrook.co.uk)

**VAN DEN HUL**  
**INTEGRATION HYBRID**  
**£199/0.8 METRE**

Like the SonicLink Control, the Integration is a replacement quadruple core cable from the pioneer of carbon cable technology, and the first product in the latest Fusion Series. This uses a totally new conductor which combines pure copper, zinc and silver, as opposed to the two stranded metal cores of the D-102 III which the Integration replaces. This is combined with vdH's famous Linear Structured Carbon technology, so the conductors are embedded in a layer of the carbon structure. The appearance of the Integration is very much van den Hul, and isn't going to win the 'Best Looking Interconnect' category at the next international hi-fi awards dinner! The 'gold' halogen-free Hulflex jacket is actually more 'mud brown' to my eyes, but who's going to notice it hidden behind an array of hi-tech hi-fi anyway?

It would, however, stand a chance of winning the 'Best Sounding Interconnect' gong. Here we have all best van den Hul traits, like

neutrality, mixed with firm rhythmic grip and fluidity. The Screaming Trees' 'Dust' album had depth and breadth, the Integration creating a big yet extremely cohesive sound with every layer of the complicated mix clearly audible. Drums and bass sounded powerful and detailed whilst the treble is innately smooth to the ear, with vocals well positioned and rough and ready, which is no bad thing as Mark Lanegan sings as if he's gargling with shards of glass. Moving on to Renaissance vocal music saw the Integration delivering a sweet and extremely natural sound, making the bare and exposed voices wonderfully realistic.

Van den Hul's carbon technology is some of the finest around. It gives a full yet very natural sound to any recording, studio-based or acoustic. Highly recommended. ■

van den Hul UK Ltd.  
 Unit 12 Imex House  
 6 Wadsworth Rd  
 Perivale Middlesex  
 UB6 7JJ  
 Tel: 020 8997 4280 [www.vandenhul.com](http://www.vandenhul.com)

sound that's ideally suited to rock music, as I found with The Screaming Trees' guitar driven 'Dust' album. Drums were fast and furious, with bass guitar notes quick and deep. Vocals were clean and forward, if a tad sibilant, and the overall sound very open. With classic vocal music in the form of an HDCD recording of the Renaissance Madrigals of Phillipe Verdelot songs on the Linn label, the Silver Signal 100 showed good detail and presence, with a wide sound stage and fine imaging. Female vocals didn't suffer from too much edge and male singers

were realistically portrayed.

This isn't the smoothest sounding cable around but the treble is sweet and the bass response excellent. A super-fast and exciting performer. ■

Picture The Sound  
 13 Weston Rd.  
 Guildford Surrey  
 GU2 8AU  
 Tel: 07000 443426



**PRECIOUS METALS SILVER**  
**SIGNAL 100 £120**

Precious Metals cables are designed and distributed by high-end AV specialist Picture The Sound, with a range of eleven interconnects and four 'speaker cables available in a range of terminations. The Silver Signal 100 sits in the middle of the interconnect range (£25-£490) and is constructed from three alloys, the first two of which are silver and copper, while the third remains a 'company secret'! All Precious Metals cables use the company's own AirTight plugs, a one-piece, solder free design. The cable is prepared and inserted into the plug, then crimped into a hex shape that hermetically seals the design. This apparently removes most of the air and the plug is surrounded by an air tight non-conductive adhesive.

All this, plus the 'secret recipe' alloy seems to pay off, as its musical traits are as valid as anything else tested here. They have a uniquely sprightly

## Trichord Research Limited

### DO NOT UNDER-ESTIMATE THE POWER OF *CLEAN MAINS!*



#### *'Powerblock 500' mains conditioner*

500 Watts of clean power for your hi-fi system (1KW version also available)

Available now for only £299 + carriage

14 day trial period - refund if not satisfied. For further details:

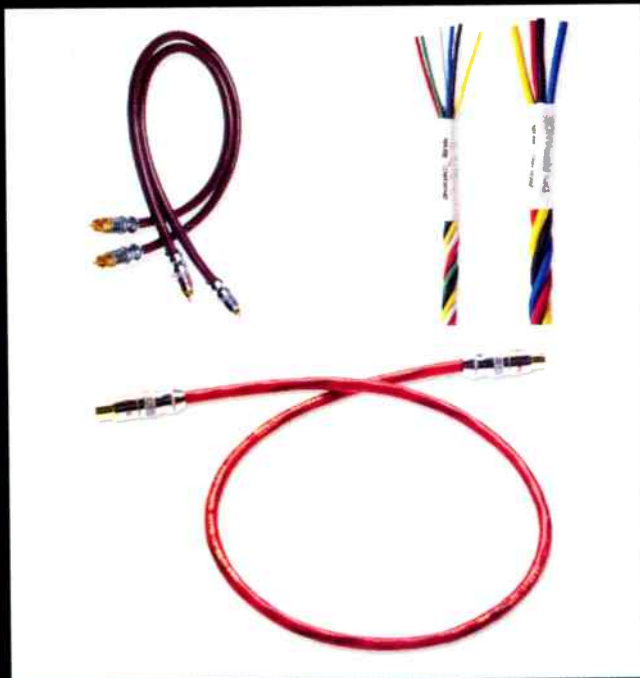
Trichord Research Ltd, 6 Woodlands Close, Malvern Wells, Worcestershire, WR14 4JD

Tel: +44 (0) 1684 573524 Fax: + 44 (0) 1684 577380

email: graham@trichordresearch.com. Website: www.trichordresearch.com

## Sonic((link

Discover the secret of SonicLink Audio & Video cables



The Derwent Business Centre, Clarke Street, Derby DE1 2BU  
Tel: + 44 (0) 1332 361 390 Fax: + 44 (0) 1332 200 698  
E-mail: soniclink@audiocables.co.uk



## ORANGES & LEMONS

Juicy fruit from  
London's freshest  
hi-fi / home cinema retailer.  
Free home installation + credit cards,  
0% credit finance available  
(subject to status).

ARCAM, B&W, CABLETALK,  
CASTLE, CHORD CO, DENON,  
EPOS, KEF, LINN, MARANTZ,  
NAD, NAIM, NEAT, QUAD, REGA,  
ROKSAN, ROTEL, ROYD, RUARK,  
SOUNDSTYLE, STANDS UNIQUE,  
YAMAHA

*Our Sixth succulent year*

**THE INNOVATIVE  
AUDIO RETAILER**

0171-924 2040

61/63 WEBBS ROAD, CLAPHAM, SW11

[www.orangesandlemonshifi.com](http://www.orangesandlemonshifi.com)



**2**001 - A space odyssey. The mission, if I chose to accept it, was to throw out all my old hi-fi junk in the desperate search for much needed additional cubic centimetres inside my listening room. Fortunately, I didn't. My spring cleaning efforts came to nought and I instead found myself powering up all my old, discarded hi-fi separates for a real blast from the past.

Right now, my system comprises a Michell Orbe/Linn Ekos II/Linn Archiv vinyl front end, Michell Delphini phono stage, World Audio Design KLP-PI preamp, World Audio Design K5881 power amp (Nicholas Lucas Signature edition) and Yamaha NS1000M loudspeakers. In support roles there are Michell GyroDec/SME Series III/Dynavector 10x4, Rega Planar 3/Goldring 1042 and Dual CS505/Audio Technica AT110E turntables, Sony CDP-557ES and Marantz CD54 CD players, NAD 3020, Myst Rose Scion and Cyrus 2 integrated amps, Mission 752, Linn Kan, KEF Coda and Tannoy Mercury loudspeakers, plus Musical Fidelity XA-200 and Leak TL12+ power amps.

Phew. It may take a lot of space, but it's a great way to remind myself how I used to live. Having kept my old cast-offs, I'm in the fascinating position of being able to warp back to them whenever I so desire.

The Clash on my 1980 vintage Dual/NAD/KEF Coda system still sounds enormous fun. By modern standards it's comically loose but there's still an innate musicality. Most remarkable is its ability to fill the room with sound, something that takes a big step backwards if you substitute the Dual for my 1985 Marantz CD54 silver disc spinner. 'London Calling' suddenly becomes a thinner and less gutsy sounding album. Warp ahead to 1985 and wire up the Rega Planar 3/ Myst TMA3/ Tannoy Mercurys and there's a tidying up of sound with better detail, bass and treble extension, but analogue's essential naturalness and warmth is still much in evidence. By today's standards there's a lot

wrong with it, but it's still great fun to listen to - now I understand why I couldn't stop playing The Smiths' first album for the best part of a year!

Resurrect my 1990 system (Sony CD/Cyrus 2/Linn Kans) and 808 State's 'Ninety' is brilliantly fast and punchy, with stacks of detail and dynamics. Yet it lacks the ease and insouciance which the 1980 system had in spades. Playing techno music, it's grippy bass and incisive, glass-clear treble is a treat, but somehow it's an empty experience. By the mid nineties I was back with vinyl, running a Michell GyroDec/ Rose Scion/ Mission 752s. A cracking combination, it brings together the warmth of the '80 system with the grip of the '85 and the detail of the 90, and adds more too. This one finally feels like

now see what they're missing; vast amounts of textural and timbral information that makes instruments shimmer and voices astound. Suddenly, Randy Crawford's 'One Day I'll Fly Away' sounds breathtaking.

It's amazing that it's taken me so long to get this quality, but now I wonder how I ever lived without it. Now I can go into friends' houses and listen to some otherwise gobsmacking systems, but come out feeling empty because it's like I've been listening in black and white. It's a shame that so few people - even avowed hi-fi buffs - actually know how awesomely sweet, open and three dimensional carefully chosen valves and vinyl can sound. If you don't, as indeed I didn't for so long, it's harder to make informed choices about what it is you actually want from your system. In turn, this could lead you to spend an awful lot of cash and for it to still not feel 'right'. My advice is to audition as many types of systems in as many places as you possibly can. That way, you'll reach a point when you never want to upgrade again far quicker. This will be a major boon if like me you always hang on to your old gear - at least you'll win the (domestic) space race! ●

**” Whereas modern transistor amps superficially convey oodles of detail, I can now see what they're missing. . .**

I've made it, and won't want for more. Doh! Compared to my current system, the '95 sounds like AM radio. Together, the Yamahas' Beryllium drivers and the K5881's tubes and carefully selected components introduce something previously unheard - tonal colour. Where the '80 system had plenty of coloration, making everything sound gloriously warm and luxuriant, this one can run the gamut between dry and cold and rich and warm whenever the situation demands. Whereas modern transistor amps superficially convey oodles of detail, I can



**David Price**

Why settle for  
anything else  
when you can **OWN** something  
this good!

**The PowerKord**

"... KIMBER cable has miraculous mains conditioning properties, cancelling high frequency noise by virtue of its special inter-woven construction... The more KIMBER mains cables you use, the better it gets."

Jimmy Hughes, *Hi-Fi Choice*, October 2000



Sole UK Distributor  
for KIMBER KABLE



"for the best cables,  
CDs and accessories"

Mail Order Direct  
on UK Freephone  
**0800 373 467**

quoting ref: AHW0101  
and request a catalogue

Cable Upgrade Scheme  
•  
Lifetime Guarantee  
•  
30 Day Home Trial  
•  
Expert Advice

Russ Andrews Accessories Ltd.,  
FREEPOST NWW881A,  
KENDAL, LAB 9ZA.

Tel: +44 (0)1539 825500

Fax: +44 (0)1539 825540

E-mail: [AHW0101@russandrews.com](mailto:AHW0101@russandrews.com)

[www.russandrews.com](http://www.russandrews.com)

**SOUNDS  
PERFECTION**

THE SOUTHWESTS PREMIER RETAILER

e-mail:- [nigel@soundsp perfection.co.uk](mailto:nigel@soundsp perfection.co.uk)

web:- [www.soundsp perfection.co.uk](http://www.soundsp perfection.co.uk)

AUDITION THE FOLLOWING PRODUCTS HERE:-

ALCANTARA \* ARCADIS \* ATACAMA \* AUDIO ANALOGUE \* AUDIO DESIGNS \* AUDIO NOTE  
AUDIOQUEST \* AUDIO SPECTRUM \* AVID \* B.C. ACOUSTICS \* BORDER PATROL \* BOSTON ACOUSTICS  
CABLE TALK \* HINSLIN \* ELECTROCOMPANET \* GRAFF \* HENLY DESIGNS \* J.M. LABS \* LEXICON  
MICHELLE \* MONITOR AUDIO \* MUSICAL FIDELITY \* NAKAMICHI \* ORTOFON \* PARASOUND \* PHILON  
OPHY CABLES \* PRIMARE \* PROJECT \* REL ACOUSTICS \* SME \* SONIC FRONTIERS \* SONIC LINK \*  
STANDS UNIQUE \* STRAIGHT WIRE \* SUGDEN \* TARA LABS \* TARGET \* TEAC \* TO FEM TRIANGLE \*  
TRIK HORD \* TSUNAMI \* UNISON RESEARCH \* VIENNA ACOUSTICS

FULL HOME THEATRE DEMONSTRATIONS NOW AVAILABLE

WE HAVE THESE SECONDHAND /EX-DEM PRODUCTS

AUDIONOTE ONGAKU BOXED ONLY	£17,995
AUDIONOTE AN-57 MK II MOVING COIL TRANSFORMER	£2995
PARASOUND 2500 PROCESSOR MINT BOXED HARDLY USED ONLY	£2395
AUDIONOTE QUEST MONO BLOCKS EX-DEM	£1995
VIENNA ACOUSTICS BLETTHOVENS SLIGHTLY MARKED ON REAR HENCE	£1595
ELECTROCOMPANET EC4.6 PRE-AMP MINT BOXED (THE BEST ONE)	£1095
AUDIO SPECTRUM ARITHMIS FLOOR STAND SPEAKERS MINT EX-DEM	£995
PARASOUND 1800 PROCESSOR MINT BOXED NEARLY NEW	£995
AUDIO INNOVATIONS SERIES III 50W MONO BLOCKS BOXED MINT	£895
ROGERS E200 INTEGRATED VALVE AMPLIFIER MINT BOXED HARDLY USED	£845
TRIANGLE ZAYS BOXED HARDLY USED ONLY	£795
VIENNA ACOUSTICS HAYDN'S MINT BOXED IN BLACK	£449
NHT REFERENCE CENTRE SPEAKER	£425
B & W CD M1 SPEAKERS ROSENUT	£395
UNDERSTAND X-WING 4 TIER STAND MARBLE SHELVES MINT	£375
MYRYAD MC100 INTEGRATED AMPLIFIER R/C BOXED	£349
ARCADIS BABY 2 FLOOR STANDING SPEAKER EX-DEM	£295
ALCHEMIST KRACKEN AMPLIFIER	£279
MACORMACK LINE PRE-AMP	£275
SOUND STYLE WOOD 4 TIER RACK	£195
Vdh THE SECOND BALANCED 1M INTERCONNECT BOXED NEW	£195
MUSICAL FIDELITY ELECTRO E20 PRE-AMP ONLY	£179
TARGET R6 STANDS SIGHT FADE HENCE	£159

FOR FRIENDLY ADVICE AND 7 DAYS A WEEK 9AM TO 10PM  
PHONE NIGEL 01326 221372 OR MOBILE 0498 554357  
MAIL ORDER THROUGHOUT UK

**definitive audio**

Living Voice \* Lowther \* Vitavox \* Electrofluidics \* Art Audio \* Border Patrol  
Canary \* DNM \* MF \* Sugden \* Wavac \* Western Electric \* Resolution Audio  
Wadia \* Michell \* Nott'm Analogue \* SME \* Ortofon \* Van den Hul



...land of opportunity  
and adventure...

Sale of part exchanged and ex-dem items

	Sale	New
Wadia 860x CD Player	£5900	£7200
Living Voice Auditorium. HFC best buy - immaculate	£900	£1500
Living Voice Avatar - cherry Slight second.	£1800	£2500
Border Patrol 300B SE (Western Electric valves)	£3300	£4500
Border Patrol Power supply for valve amplifiers	£400	£595
Cary 805c 845 30watt SE monos	£3900	£8500
Linn LP12 with Avondale PSU	£190	£1300
Hadcock Tonearm - 1 NEW, 1 used	£400/£300	£600
Nottingham Analogue Foot tonearm. 12" carbon fibre unipivot. NEW	£500	£900
Spaghetti hoops (tall tin)	5p	73p
Nottingham Analogue Space Deck Ex Dem	£490	£750
Wilson Benesch Full Circle TT with 0.5 tonearm	£900	£2000
Ortofon MC750 cartridge - less than 50 hours use	£900	£2000
Croft Series 5 monos	£590	£1400
Audio Innovations Series 500 line integrated - classic	£450	£1200
Audio Innovations Series 800 Anniversary (silver circuit)	£650	£1550
Audio Innovations 2nd Audio monos, 2A3 Triodes	£800	£3000
Art Audio Concerto 30watt valve line integrated amplifier	£1600	£2450
Art Audio Quintet monos	£1900	£2900
Unison Research Simply 4 valve line integrated amplifier	£790	£1600
Cary 300B SE triode line integrated amplifier	£1700	£4000
Audio Note ANSP silver speaker cable 2x 3m sets	£900	£2100
Snell Types, JII and EII - including Pirate stands	£550 / £700	

AMEX VISA MASTERCARD  
Tel 0115 973 3222 Fax 0115 973 3666  
internet: [www.definitiveaudio.co.uk](http://www.definitiveaudio.co.uk) email: [shout@definitiveaudio.co.uk](mailto:shout@definitiveaudio.co.uk)



**E**ven the most casual of hi-fi observers can hardly fail to have noticed the expeditious arrival of constant 'new tech' within the industry. Hardly a month goes by without there being a development within DVD or memory recording systems.

Yet, until now at least, this explosion of new technology does seem to be very much driven by source. That is to say, even though the front end of our hi-fi systems look set to change, as they've done already, the actual amplification and speaker side stay pretty constant.

Despite a tweak here and there amplifier technology has remained fairly consistent since the wide spread introduction of the transistor in the 1960s.

There wouldn't be much, if anything, inside a typical amplifier today that would surprise an amp. designer from the sixties. Stick memory, MiniDisc, DVD and even the now seemingly ancient C.D. would all be very different prospects.

Now, after decades of evolution rather than revolution, amplifiers finally look set to change in a big way. It probably won't surprise you to hear that the new technology is based around those blessed ones and noughts collectively known as digital. Digital amplifiers have been around for over a year now but, as is often the case with new tech., only at steep prices and in limited quantities.

Until recently, you'd be talking a five-figure sum from advocates like Sharp. Towards the end of 2000, though, they reduced this substantially to a, still rather substantial, £3300 with their new SM-SX1 model. Whilst the format may not have the speed of progress within the industry of Digital Radio (DAB) or Super Audio Compact Disc (SACD), there are benefits that could come as a surprise to many, including myself.

According to Sharp, digital amplifiers are far more efficient than conventional ones in that they consume only half the mains power for a specific output. This helps reduce physical size by nearly 70%. It also results in less heat - one fifth of conventional amplifiers. There's potential here for "lifestyle" and personal products where low power consumption is crucial.

It looks likely then that the digital age is

to, if not exactly sweep across, then at least infiltrate the amplifier market.

But what of the other link in the chain? The basic design of the loudspeaker harks back to a time so long ago - the early 1920s - that even amplifiers appear like spring chickens in the grand scheme of things. Loudspeakers too have seen recent challenges to the conventional way of doing things. Flat panel technology from the NXT group works well and shows potential. Yet I believe a wholesale switch by loudspeaker manufacturers is still some way away. From a retail point of view, NXT

**” a product that's compact, efficient and discreet with decent sound quality couldn't fail, could it?**

'speakers remind me of WAP mobile 'phones. Technically there is an advantage, yet the consumer remains pretty unconvinced because they don't see a great practical benefit. A mobile 'phone really can change the way we go about our lifestyles, yet one that connects to the Internet elicits the response "so what", from many.

The same is pretty much the case with 'speakers. A 'speaker fulfils a crucial role and simply being much flatter doesn't necessarily excite the masses. Yes, one can hang the 'speakers on the wall, or use tiny panels. Yet these aren't (at the moment) full range, and require a subwoofer to provide the oomph. Bearing in mind that a similar sound can be reproduced from a conventional satellite 'speaker not much bigger than a light bulb, there seems little point.

I don't mean to mock the technology as it's still in its infancy and, as the new icons should prove, has much potential. Yet I know consumers are going to look at the 'speakers and think they don't look a great deal different from other designs on the market today. Unlike the digital amplifier in a personal stereo that allows it to be tinier than ever before, the benefit to the layman seems harder to justify. NXT has to prove itself on sound quality alone for the time being.

Whatever the outcome from these developments, surely the best possibly use of both technologies has been over looked? Despite the many benefits of active 'speakers, they are still sorely undersold. I know from a retailers point of view it's tricky selling something that combines two processes, as the reason most want separates in the first place is because they are just that: separate! Yet I can't help but think how good an active 'speaker combining both a digital amplifier and NXT technology could be. Surely

a product that's compact, efficient and discreet with decent sound quality couldn't fail, could it?

One for the wish list methinks! ●



**Dominic Todd**

LONDON

SPECIALIST HI-FI DEALERS

**AudioVenue**  
Response Audio Visual Consultants  
— ONCE IS NOT ENOUGH —

Nakamichi REIO Receiver  
Ortophon 510 Cartridge  
X-PI00 & X-AS100 pre power amplifier

Export Orders Welcome Home Demonstrations  
Multi-Room Design & Installation Service

We at AudioVenue are committed to providing an unrivalled service together with state of the art equipment to achieve the ultimate in home entertainment so whether you are buying, selling, exchanging or just looking for unbiased advice, ensure your first call is to AudioVenue.

**Components from £120 - £72,000**  
0% Credit available. Written quotations on request. Subject to status.

Tel/Fax: +44 (0)181 707 4849 Mobile: +44 (0)1973 471 426  
email: info@audiovenue.co.uk



think audio think...  
**Auditorium**

0171 384 3030  
THE HI-FI SHOP 112 NEW KINGS ROAD LONDON SW6

**Soundcraft**  
INSTALLATIONS

VISIT THE LEADING HI-FI DEALER IN THE SOUTH EAST  
"SEE & HEAR THE DIFFERENCE REAL HI-FI MAKES"

LINN NAIM ARCAM REGA  
HELPLINE: 01233 624441

**AUDIO CONCEPT**

27 BOND STREET, EALING  
LONDON W5 5AS  
TEL. 081 - 567 8703

Audio Analogue, Art Glass, Ash Designs, Avik, B&O, B&W, Cabletalk, Chord Company, Creek, Denon, Epos, Harman Kardon, Infinity, KEF, Lat. Marantz, Musical Fidelity, NAD, Nakamichi, Nordost, Orelle, Onkyo, Primare, Quad, Roksan, Rotel, Ruark, Sennheiser, SonicLink, Sound Style, Standos Unique, Straightwire, Supra, Tag McLaren, Target, Teac, Thorens, van den Hul.

10 - 6 am Mon., Tues., Friday & Sat.  
Late night Thur., closed Wed.

Two demonstration rooms  
Free local delivery and installation.  
Repairs and Services

**ORANGES & LEMONS**

INSTANT 0% FINANCE AVAILABLE  
SERVING LONDON FROM BATTERSEA

Juicy fruit from London's newest, freshest hi-fi/home cinema retailer. Telephone demonstrations or just pop in. All the usual, i.e. friendly and efficient service, free home installation + credit cards

THE INNOVATIVE AUDIO/VISUAL HI-FI RETAILER. ARCAM, CABLETALK, CHORD CO., DENON, EPOS, MARANTZ, NAD, NAIM, REGA, ROKSAN, ROTEL, ROYD, RUARK, SOUND-STYLE, STANDS UNIQUE, YAMAHA.

NOW IN OUR FIFTH FLAMBOYANT YEAR.  
020-7924 2040  
61 to 63 WEBBS ROAD, SW11  
Visit www.orangesandlemonshifi.com

**O'Brien Hi-Fi**

ARCAM • ANTHEM • AUDIOGRAM • AUDIO RESEARCH • AUDIO TECHNICA • BEYER • CABLETALK • CHORD • CREEK • DENON • DENSON • JADIS • JECKLIN • MICHELL • MUSICAL FIDELITY • NAD • NAIM • OPERA • PRECIOUS METALS • QED • REGA • ROGERS • ROYD • SENNHEISER • SILTESH • TABLES • TAME • TANTON • TEAC • THERM • FABER • TEAC • THORENS • TRANSPARENT TABLES • UNISON • RESEARCH • WILSON

MARLEN LOGAN  
GORDIAN

Clearance • Second Hand • Ex-Dem Equipment • Details on request

**0% Instant Finance Available**

Two Demonstration Rooms • Free Car Parking • Major Credit Cards  
Personal Export • Mail Order • Installation Service • Repair Facilities  
6000 sq ft Retail Park BR • 70 mins Waterloo  
5 mins from All Rivers Park B2020 • 10 mins to 5 June 10

60 Durham Rd, West Wimbledon, London SW20 0TW  
Est. 1966  
Tel: (0181) 946 1528 Fax: (0181) 946 0331

**ZEBRA**

18-24 Brighton Road,  
South Croydon  
CR2 6AA  
0181 688 2093

NORTH

**FRANK HARVEY**  
HI FI EXCELLENCE

The Midlands Largest Choice of Specialist Hi Fi & Home Cinema

163 Spon Street, Coventry  
Tel: 01203 525200  
Web: http://frankharvey.co.uk

For real choice and the largest range of Hi Fi & Home Cinema products in the Midlands  
Atacama - Atacama - Arcam - Audio Quest - Alphason - Apollo - Bang & Olufsen B & W - Castle - Cable Talk - Celestion - Chord - Cyrus - Definitive Technology - Densen - IXOS - Kef - Marantz - Meridian - Monitor Audio - Miller & Kreisel - Mission - Michell Gyrocar - Musical Fidelity - NAD - Optimum - Panasonic - Pioneer - Quad - QED - REL - Rega - Rotel - Sennheiser - Sharp - Tag McLaren - Target - Teac - Tannoy - Thorens - Van Den Hul - Yamaha

Much more in store on 3 Floors with 3 dedicated Hi Fi demonstration rooms of the very best Hi Fi  
Plus our new Home Cinema Room Very nice Staff and excellent coffee Appts Req  
Opening Hours 9-30 to 5-30 Tues to Sat. Closed all day Monday

INVEST IN OUR EXPERIENCE

**CYMBIOSIS**  
AUDIO & VISUAL SOLUTIONS

6 HOTEL STREET  
LEICESTER  
TEL: 0116 262 3754

ARCAM • ACOUSTIC ENERGY • CASTLE • CHARIO • CURA  
CHORD CO. • DENON • LINN HI-FI & KNEKT • LOEWE  
LUTRON • MUSICAL TECHNOLOGY • NAIM • NORDOST  
REGA • REVOX • ROTEL • TAG MCLAREN • WADIA

"Customer care at it's best"

e-mail: shop@cymbiosis.com  
website: www.cymbiosis.com

BADA  
the symbol of security

**Basically Sound**  
NORWICH • NORFOLK

Arcam Audio Analogue Cabletalk, Chario, Chord Co., Densen, Epos, Naim Audio, PPA, Rega, Roid, stax, Talk Electronics, Teac, UKD, Open, Audio Note and many others

The Old School  
School road, Brandon Ash  
Nr Norwich, Norfolk, NR14 8HG  
Tel (01508) 570829

BADA  
the symbol of security



**NORTH**

**THE hi-fi ROOM**

50 BRIDGE STREET, MANCHESTER M3 3BN. TELEPHONE: 0161-832 0888/0161-835 1366

*An Oasis of Sound*

EXCLUSIVE HI-FI AND AUDI VISUAL SYSTEMS

GLASGOW 0141 248 2857 EDINBURGH 0131 220 0909 NEWCASTLE 0191 230 3600 LEEDS 0113 242 7777

**THE LEAMINGTON HI-FI COMPANY**  
THE LEADING HI-FI SPECIALIST

ARCAM AUDIOLAB QUAD MERIDIAN MARANTZ DENON PIONEER  
YAMAHA NAD MICRO MEGA MISSION KEF CELASTION ATACAMA  
TECHNICS TRICHORD TDL REL DIOS  
SINGLE SPEAKER DEM ROOM WE DO NOT USE ANY COMPARETORS  
WE ALSO HAVE FULL DEMONSTRATION OF PROJECTION TV WITH  
LASERDISC AND FULL PRO LOGIC SYSTEMS  
PART EXCHANGE WELCOME  
PLEASE PHONE OR E MAIL FOR PRICES  
WE HAVE IN STOCK OVER 200 LASERDISCS  
CALL FOR OUR LATEST CATALOGUE  
THE LEAMINGTON HI-FI COMPANY  
23a Regent Street, Leamington Spa, Warwickshire CV32 3EJ  
Phone 01926 483644 Fax: 01926 481484 E-mail: t.browne@hificos.org.uk

**audio excellence**

WHERE THE MUSIC MATTERS

CHESTER 86-90 Boughton, Chester CH3 5AQ (01244) 345576

PRESTON 131 Friargate Preston, PR1 2EE (01772) 253057

TUESDAY - SATURDAY 9.00 - 5.30  
CLOSED MONDAY

Demonstrating some of the worlds finest HI-FI  
Home Demonstrations a speciality (see Dial-A-Dealer for complete product range)

Tel/Fax 0161 304 7494 Mobile: 07801 498934  
Evening calls welcome

*11/10/2000 For the Pleasure of Music*

**SERIOUS KIT**

The finest range of Hi-Fi in the north.  
Stockists of Audionote, Sugden, Impulse, Pro-Ac, Harbeth, Stempfert, Target, Neat, Trichord, Systemdek, Lyra, Proceed, SME, Michell, Heart, Keswick etc etc

Open 10-6pm Mon-Fri  
10-5pm Sat  
10-2pm Sun

Phone 0161 793 6742  
Fax 0161 727 7042

**EAST**

**The Audio File**  
AWARD WINNING DEALER

COME AND EXPERIENCE HI-FI AND HOME CINEMA AT ITS BEST

ARCAM ■ AUDIOLAB ■ CYRUS ■ CASTLE ■ B&W  
YAMAHA ■ RUARK ■ KRELL ■ AUDIO RESEARCH  
SONUS FABER ■ MARTIN LOGAN ■ MARANTZ ■ LINN  
NAIM ■ LOEWE ■ DENON ■ ROTEL ■ MICROMEGA  
MISSION ■ SOUNDSTYLE ■ QED

THE AUDIO FILE, 41 VICTORIA ROAD,  
CAMBRIDGE CB4 3BW  
TEL: 01223 368305 FAX: 01223 354975

**INTUNE**  
PROFESSIONAL AUDIO

NEW

MAIN AGENTS FOR:  
A.T.C. • SONY • NAD • DENON • QUAD • TEAC •  
PROJECT • YAMAHA • MONITOR AUDIO •  
ROGERS • MISSION • MUSICAL FIDELITY •  
PIONEER • MERIDIAN • ALCHEMIST  
Also Quality In-Car and Computing

19c East Street, St. Ives, Cambridge PE17 4PD  
Tel: 01480 465888

**UNIVERSITY AUDIO**  
EST 1945

MAIN AGENTS FOR  
ARCAM, MERIDIAN, B&W, DENON,  
MARANTZ, YAMAHA

FOR ALL YOUR HI-FI NEEDS CONTACT  
**01223 354237**  
3 PEAS HILL, CAMBRIDGE

**Rayleigh Hi-Fi**  
THE SPECIALISTS

HI-FI, HOME CINEMA & MULTI-ROOM SPECIALIST

216 MOULSHAM ST CHELMSFORD 01245 265245	44A HIGH ST RAYLEIGH 01268 779762	132-134 LONDON RD SOUTHEND-ON-SEA 01702 435255	AT DANSH WORLD OF FURNITURE LAKESIDE RETAIL PARK W. THURROCK 01708 680551
---	---	--	---

Agents: Arcam, Atacama, Audio Technica, Beyer, Bose, Chirid, Copland, Crestion, Cyrus, Definitive Technology, Denon, KEF, Krell, Lexicon, Linn Product, Loewe, Televisions, Lutron, Light, Compton, Marantz, Micromega, Miller & Kressel, Mission, Nam Audio, Onfon, Pararound, Pioneer, Proceed, QED, Quad Rega, Revox, Roksan, Rotel, Ruark, Selec, Sennheiser, Stands Unique, Stax, Stuart Screens, Tap McLaren, Target, Van den Hul, Wilson Benesch, XLO etc.  
www.rayleighhifi.com

**Johns**  
Audio & Visual Specialists

Technics Yamaha Sony  
Panasonic Kenwood Aiwa  
Toshiba Pioneer Mission

Low, low prices  
all year round!!!  
(Established 1959)

142 High St  
Scunthorpe, Nth Lincs  
01724 843800

**STOWSOUNDS**  
audio consultants

Quality Equipment Available From:

Acoustic Solutions Alchemist Atacama Audioquest Beyer Cable Talk DPA Electrocompaniet Exposure	J M Labs Neat Acoustics Nordost QED Sonic Link Sonnenteer Soundstyle Stands Unique Van den Hul
--	--

For A Demonstration & Expert Advice Call  
**Stowmarket (01449) 675060**  
Stone Farm, Borough Lane, Gt. Finborough, Stowmarket

**BG Audio Visual**

9 Hatter Street  
Bury St Edmunds  
Suffolk  
01284 765 227

Bang & Olufsen, Sony,  
Technics, Denon,  
Yamaha, Rotel, Linn,  
Mission, KEF, Jamo,  
JBL, Harman, Boston

Lend us your ears and we'll  
blow your mind . . .

Arcam, A.T.C., B & W, Celestion, Denon,  
Kenwood, Kef, Marantz, Michell,  
Mission, Meridian, NAD, Panasonic  
Philips, Pioneer, Quad, REL, Rotel, Ruark, Sony,  
TAG McLaren, Tannoy, Technics, Yamaha and more.  
Audition the very best at Lincolnshire's  
premier Hi-Fi dealer . . .

**MANDERS**  
HI-FI LTD.

2-4 EDWARD STREET (Off Pasture St.)  
GRIMSBY. TEL: (01472) 351391

**GRAYSTON**  
sound & vision

Alchemist Arcam B&W Boston Acoustics  
Castle Acoustics Denon Harman Kardon  
KEF Reference Linn Loewe Meridian Musical Fidelity  
Philips Pioneer Project Rotel Sennheiser Thomson

Surefire demo rooms. Free regional delivery/ installation  
Regular musical and surround sound evenings  
Excellent Hi-Fi machines. Home Demonstrations

33 Sir Isaac's Walk, Colchester  
Tel: 01206 577682

SPECIALIST HI-FI DEALERS \* SPECIALIST HI-FI DEALERS



**SOUTH**

SPECIALIST HI-FI DEALERS

**Soundcraft**  
The best in sound advice from Ken's premier audio dealer  
Telephone our Customer Orderline: 01233 624441

Take advantage of our ex-demonstration clearance stock this month. Now is the time to buy that system you always dreamed of. All items listed are individuals sold with warranty, so you'll need to be quick!

We are even selling our reference Linn Keltik Aktiv system in make way for the new Climax power amplifiers. To guarantee your complete enjoyment some of our equipment may need to be delivered by our qualified installers. There may be a small additional charge for this service, but we will discuss that fully when you call.

Remember you can try before you buy in our period style listening and cinema rooms which are the perfect places to enjoy the delights of quality audio and video entertainment with your favourite recordings. Sit down, relax, trust your own ears and eyes, and our 50 years of experience.

Ex-display stock Loewe TV's: Calida 33inch (silver) £1195, Calida 21 (blue) £485 & Profil (black) 28 £985 + Sony KV28 WF1 widescreen £550 & Sony KV14 Portable £149

**Ex-dem Summer Madness Clearance Sale! July 1999**

AE 120 Loudspeakers	£375	Linn AV 5120 Centre	£495
Castle Avons (Birch)	£650	Linn LK100	£485
Denon AVC 2800 amp	£400	Linn LP12/LV11/Cirkus/K9	£900
Linn Majik	£450	Linn Isobariks (Walnut)	£1200
Linn Kabare (black)	£1000	Linn Keltik Aktiv System:	
Linn AV 5140 Speakers	£1400	3Clouds, Kairn + Keltiks:	£7500

At 40 High Street, Ashford, Kent TN24 8TE Our exciting range includes Arcam, Ruark, Linn (CD12 in stock), Loewe TV, Naim, Rega, Rotel & Musical Fidelity. We're open 9-5.30 Mon-Sat. Tel: 01233 624441 Fax: 01233 640333. All items come with a warranty for your security & peace of mind. Why not check out our web site: <http://www.soundcraft-kent.ttd.uk>

**SPALDINGS**  
THE SOUTH EAST'S LEADING HI-FI COMPANY

3 DEM ROOMS A.V.  
HOME DEMS., 0% CREDIT  
FREE INSTALLATION

LINN . NAIM . MISSION . KEF  
DENON . TAG MCLAREN  
MARANTZ . MUSICAL FIDELITY  
CASTLE

MON TO SAT 9.30 to 6.30 PM to 6.00  
Closed WEDNESDAYS  
SERVICE DEPT  
325-354 Lower Addiscombe Road, Croydon, Surrey CRO  
7AF  
Telephone: 020 8654 1231/2040 Facsimile: 020 8655 3922

Stockists of: ARCAM • CREEK • EPOS • LINN • MERIDIAN • NAIM AUDIO • NAUTILUS 800 • NEAT • REGA • ROTEL • ROYD • SHAHINIAN • STAX • YAMAHA •

**Infidelity**  
indecently good hi-fi

9 High Street, Hampton Wick, Kingston upon Thames, Surrey KT1 4DA Tel: 081-943 3530  
Open Tues - Sat 10.30am - 7.00pm.

**CLEARANCE OF EX-DEM, SHAND, & PEX. EQUIPMENT**  
Including valve equipment, CD players, Speakers, etc. . .

NO SENSIBLE OFFERS REFUSED

Valve Amps Serviced

**MUSIC'S FINEST CONDUCTOR**  
25 Montefiore Rd, Hove, Sussex BN3 1RD Tel: 01273 324 029  
Phone first, anytime of the day for appointment and info.

**WORTHING AUDIO**

20 Treville Gate, W.Sussex BN11 1UA  
(01903) 212133

The friendly shop with the best sound system in the South.  
Talk Electronics - Friendly Advice - 3 Year Guarantees  
Easy Parking - Open Mon-Sat. 10am-6pm.  
Late Night Wed 7.30pm.

Agencies include: Dynaudio, Ruark, Gradient, Marantz, Restek, Oreile, Sonneteer, Kora, Cymbol, Talk Electronics, and many more.....

**ADAMS & JARRETT**  
East Sussex Leading Hi-Fi Specialists

Agents for • REL • KEF • RUARK • CABLETALK  
• B&W • ROTEL • TANNOY • MERIDIAN • MARANTZ  
• YAMAHA • TALK ELECTRONICS • DYNAUDIO and more

PLUS - HOME CINEMA SPECIALISTS WITH LISTENING ROOMS  
PROFESSIONAL, FRIENDLY ADVICE AND SERVICE -  
COME TO THE HI-FI DEALER THAT PUTS YOU FIRST

**Tel: 01424 437165 / 432398**  
Norman Road, St. Leonards on Sea, East Sussex

**JAYSOUND AUDIO**

• AUDIO TECHNICA • BEYER • BLAUPUNKT • DENON • DUAL • JBL • JVC • MARANTZ • NAD • ORTOFON • PIONEER • QED • SAMSUNG • SENNEISER • SHURE • TANNOY • TARGET • TATUNG • TDL • TOSHIBA

- Free 2 year guarantee on hi-fi & speakers.  
- Part exchange welcome.  
- Hi-Fi and Car Audio Repairs.  
Licensed credit brokers

5 WATERLOO SQUARE  
(Opposite Pier)  
BOGNOR REGIS WEST SUSSEX  
TEL: 01243 826355

**SOUTH WEST ANALOGUE**

SME MODEL 10/20/30 Turntables

Michell • Naimgram Analogue • Grand • Phono • Ortofon • Electrostatic • Tube Technology • Castle • Vibex • Target • Underwood Supplies • Ensemble Cables •

01643 851351

Geophon Whitley, Mon-Sat 9am-5pm  
Rapid Clearing Service • Quality secondhand items

**UNILET**  
Sound & Vision

Best place in town for Hi Fi and Home Cinema

\* Three demonstration rooms  
\* All leading brands  
\* Interest Free Credit  
\* Good parking facilities

**UNILET SOUND & VISION**  
24-26 UNION STREET, MAIDSTONE ME14 1ED  
Tel: 01622 676703 Fax: 01622 67623

**UNILET**  
Sound & Vision

Best place in town for Hi Fi and Home Cinema

\* Six demonstration rooms  
\* All leading brands  
\* Interest Free Credit  
\* Free Parking  
\* Open 10-4 every Sunday

**UNILET SOUND & VISION**  
35 HIGH STREET, NEW MALDEN, SURREY, KT3 4BY  
Tel: 0181 942 9567 Fax: 0181 336 0820

**WEST**

**QUINNS**  
SOUND & VISION

• AUTHORISED DEALER FOR ALL TOP MAKES  
• EASY PAYMENT TERMS • DEMO ROOMS  
• MAIL ORDER • SERVICE DEPARTMENT

PHOENIX WAY, ENTERPRISE PARK, SWANSEA (Just off Junc 45, M4)

**01792 773644**  
OPEN 7 DAYS A WEEK

**PRICE CHECK WE WILL NOT BE BEATEN**

**audio excellence**

**WHERE THE MUSIC MATTERS**

<b>Bristol</b> 65 Park Street Bristol BS1 5PB (01179) 264975	<b>Cardiff</b> 134/6 Crwys Road Cardiff CF2 4NR (01222) 228565
<b>Gloucester</b> 58 Bristol Road Gloucester GL1 5SD (01452) 300046	<b>Swansea</b> 9 High Street Swansea SA1 1LE (01792) 474608

**Exeter**  
156 Sidwell Street, Exeter, EX4 6RT  
(01392) 491194

**TUESDAY - SATURDAY 9.00 - 5.30  
CLOSED MONDAY**

**The HiFi Centre**

• DEMONSTRATION FACILITIES  
• MAIL ORDER  
• FINANCE AVAILABLE  
• STOCKISTS FOR OVER 70 BRANDS  
• CINEMA SURROUND SPECIALISTS  
• NORTH WALES LARGEST YAMAHA CINEMA SURROUND SPECIALISTS

ARCAM, B&W, CASTLE, DENON, MARANTZ, MISSION, QUAD, ROTEL, RUARK, TANNOY, TASC AND UKID

Have a cheerful chat with Chris, Mike or Steve on:

**01978 364500**  
**ACTON GATE AUDIO**  
RUABON ROAD, WREXHAM, CLWYD

**MISSION**  
YOU MUST LISTEN TO MISSION

**NORTH WALES' LEADING HI FI & HOME CINEMA SPECIALIST**  
BEST SERVICE • BEST PRICE • BEST ADVICE

50 Victoria Buildings, Mostyn Avenue, Craig - Y - Don, Llandudno  
Tel: 01492 876788

**PETERS**  
HI-FI • TV • VIDEO

30 Lord Street, Wrexham, L11 1 LR Tel: 01978 364168

Over 40 years experience

**MISSION**  
YOU MUST LISTEN TO MISSION

**O'Callaghan**

**TV VIDEO & HI-FI**

62 Oliver Plunkett St., Cork.  
Tel. (021) 273433

ARCAM, CASTLE, B&W, TECHNICS, PIONEER, SONY



**IRELAND**

**KRONOS HI-FI**  
 7 Scotch Street Centre, Dungannon, N. Ireland BT70 1AR. Tel. 01868-753606. <http://www.kronos-hi-fi.com>  
 Open Mon-Sat 9.30-5.30, closed Wednesdays.  
 Agencies include: Absolute Sounds, Arion, Audion, Audiomeca, Cadence, Densen, Eltax, Frameworks, Harman Kardon, JBL, Kabelwerk, Klipsch, Living Voice, Lyra, LFD, Marantz, Michell, MIT, Musical Fidelity, Nottingham Analogue, Oracle, Orelle, Roksan, Rotel, Ruark, Silver Sound, SME, Sonic Link, Triangle, Trichord, Unison, UKD, VPI, Wilson Benesch, Yamaha

**Hearing is Believing**

**CLONEY Audio**  
*10 years of Excellence*

55 Main Street, Blackrock, Dublin.  
 Tel: (01) 2889449/2888477  
 Open: Tues - Sat 10 am to 6 pm. Thur - Fri 10 am to 6 pm

Arcam  
 B&W  
 Tag McLaren  
 Castle  
 Meridian  
 Classe  
 Cypriot  
 Marantz  
 Jadis  
 Naim Audio  
 Sony  
 REL

**MISSION**  
 YOU MUST LISTEN TO MISSION

**THE HI-FI SHOP**  
 AUDIOLAB, B&O, B&W, CASTLE, MERIDIAN, MICROMEGA, ROTEL.  
 OPEN TUES-SAT 10-6  
 PHONE: (01232) 327604 BELFAST

**VALVES & TUBES**

**CVC Chelmer Valve Company**  
*for audio valves*

Buy CVC. PREMIUM HI - FI valves direct from us. All valves processed for improved performance. We also have stock of MAJOR BRAND types inc. MULLARD, GEC, BRIMAR, RCA, GE, PHILIPS, etc.  
 130, New London Road, Chelmsford, Essex, CM2 0RG  
 Tel. 01245 265865/355296 Fax. 01245 490064  
 e-mail: sales@chelmervalue.com

**MAIL ORDER**

**KIMBER KABLE**  
 Revealing the Nature of Music - Since 1979 -

If you haven't heard these cables, you haven't heard the full potential of your system. At the forefront of innovation in cable design and manufacture for the last 2 decades, KIMBER KABLE use a unique woven cable technique. The result... unmatched transparency, accuracy and detail which have won the hearts and minds of reviewers and customers alike.  
 Russ Andrews is the sole UK distributor for KIMBER KABLE.

Phone us (quoting Ref: ABHW0101) on: **Freephone 0800 373467** for our FREE mail order catalogue.

LIFETIME GUARANTEE • EXPERT ADVICE  
 30 DAY HOME TRIAL • FREE DELIVERY

Russ Andrews Accessories Ltd., FREEPOST NWW881A, Kendal LA8 9ZA  
 Tel: +44 (0)1539 825500 Fax: +44 (0)1539 825540  
 E-mail: ABHW0101@russandrews.com  
[www.russandrews.com](http://www.russandrews.com)

**VINYL**

**MUSONIC STYLE**  
 SPECIALIST MANUFACTURER & SUPPLIER FOR MORE THAN 40 YEARS  
 REPLACEMENTS & ORIGINALS  
 MANY OBSOLETE/78 VERSIONS  
 PICK-UP CARTRIDGES & RECORD ACCESSORIES  
 For prices tel/text/ mail to -  
**MUSONIC UK LIMITED**  
 Unit 13 The Went Business Centre Colne Way, Watford Hertfordshire WD2 4ND  
 Tel: 01923 213344 Fax: 01923 213355  
 E-mail: sales@musonic.co.uk Website: www.musonic.co.uk

**THE DIRECT DISC**  
 VINYL VINYL VINYL

Thousands of records always in stock.  
 + a full range of sought after compact discs.  
 Extensive search service for wanted albums.  
 Comprehensive 96 page full catalogue available at £1.50  
 Telephone / Fax 01992 447764  
 Or visit our web site on [www.walrus.co.uk](http://www.walrus.co.uk)

**REPAIR & DIY**

**TECHNICAL & GENERAL**  
 THE ORIGINAL TURNTABLE SPECIALIST

for the Great Classical Turntable, Arms, Cartridges, Styli  
 CONNOISSEUR • GARRARD • GOLDRING • Lenco • ORTOFON • SHURE • S.M.E. • THORENS • WATTS

All available Genuine spares and our own re-manufacture of obsolete parts

NO ILLUSORY 'IMPROVEMENT' NO DUBIOUS OR HARMFUL 'MODIFICATIONS'

Cartridges and styli, correct radius diamonds, for early recordings - 78s & Lps

**TECHNICAL & GENERAL**  
 P.O.Box 53 Crowborough, East Sussex TN6 2BY  
 Tel: 01892 65 45 34

**SERVICES & CONSULTANTS**

**Front End Problem?**  
 contact  
**The Cartridge Man**

It doesn't have to cost an arm and a leg to get the best - listen to my Koetsu - and Decca -eater.

Also agents for Croft, Hadcock, E.A.R., Michell & Moth.

plus cartridge re-tipping service  
 020 8688 6565  
 Website: LISTEN.TO/THECARTRIDGEMAN

**atv**

- Service & Repairs
- Valve & transistor amplifiers
- Vintage valve Radios
- Hi-Fi VCR's
- Valves Tested

ATV SERVICES  
 LEATHERHEAD  
 01372 456921

**TO REACH 78,000 READERS CALL AMANDA NOW ON 0208 864 4760**

**"SYSTEM HARMONISING"**  
 Balance your Sound Reproduction System and extract its **full** potential.

**Three-Dimensional Natural Swedish Recordings**  
 OPUS3 ("Eric Bibb") PROPRIUS ("Cantate Domino")  
 PROPHONE ("Jazz at The Pawnshop") Swedish Society. ("Jussi Björling")

**OPUS3/PENTACONE**  
 4, Cross Bank Road, BATLEY, W.Yorks.  
 Tel/FAX: 01924 445039 Email: [Peter@pentacone.freemove.co.uk](mailto:Peter@pentacone.freemove.co.uk)  
<http://www.go.to/pentacone>

**STUDER REVOX**  
 SALES, SERVICE, SPARES  
 SERVICE & REPAIR OF  
 A77, B77, A700, PR99 & 36 SERIES  
 HI-FI SPARES TO ORDER  
 SERVICED MACHINES IN STOCK  
 APPROVED CONVERSIONS  
**E.M.A.S**  
 TEL: 01246-275479  
 FAX: 01246 550421

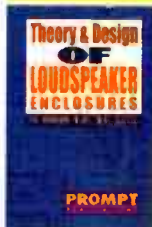
SPECIALIST-DEALERS & SPECIALIST-DEALERS



# WORLD LIBRARY

**WE HAVE OVER 40 TITLES ON OFFER!!!**

## LOUDSPEAKER BOOKS



**Theory and Design of Loudspeaker Enclosures** by **J. E. Benson**  
Covers infinite baffle, reflex, passive radiator etc. in great detail with a highly mathematical approach, making it unsuitable for beginners but highly authoritative for experienced designers.  
244pp 6" x 9"  
Paperback Code: 1140  
£23.95 + £2.50 P&P (UK)



**Bullock On Boxes** by **Robert M. Bullock III**  
Using Thiele Small parameters clearly it offers lots of helpful tables and graphs to get to grips with the sizing of the box and port of a reflex loudspeaker.  
72pp 8 1/2" x 11"  
Paperback Code No. 1100  
£12.95 + £2.00 P&P (UK)



**The Loudspeaker Design Cookbook, 5th edition** - by **Vance Dickason**  
This best seller offers up to date design information for the home constructor. It uses modern Thiele-Small theory and parameters.  
185pp 8 1/2" x 11" Paperback  
Code No. 1090  
£22.95 + £3.25 P&P



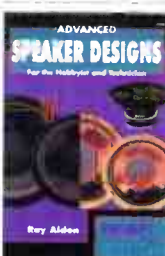
**Electrostatic Loudspeaker Design and Construction** by **Ronald Wagner**  
Step by step guide to the design and construction of a full range electrostatic loudspeaker, including basic operating principles. Strongly recommended for those wanting to either build, repair and/or restore, or who are just interested in electrostatics.  
243pp 7" x 9 1/4"  
Paperback Code No. 1080  
£16.95 + £3.25 P&P (UK)



**Testing Loudspeakers** by **Joe D'Appolito**  
Joe D'Appolito, loudspeaker designer and consultant, has written the definitive text on testing loudspeakers. Dr. D'Appolito brings his expertise to the subject and provides you with a hands on discussion of testing drivers and systems. He brings you the theory and physics behind loudspeaker testing in this volume.  
Paperback Code No. 1580  
£24.95 + £2.50 P&P (UK)



**Audio Amateur Loudspeaker Projects**  
A collection of the 25 best speaker articles published in the Audio Amateur throughout the 1970s. This popular book is proof that great designs are never out of date. This volume is a rich source of theory, practice and design.  
135pp 8 1/2" x 11" Paperback  
Code No. 1530  
£16.95 + £2.50 P&P (UK)



**Advanced Speaker Designs** by **Ray Alden**  
One for the mathematical minded with all the equations one would need for speaker design. Driver parameters are discussed. Sealed & Vented Enclosures have a chapter to themselves. Crossover design is covered as well as measuring speakers. At the rear there are seven projects that rely upon American source drivers (Radio Shack). The book offers concise technical explanations of how speakers work.  
128 pp 230mm x 150mm  
Paperback Code No. 1680  
£14.99 + 2.00 P&P (UK) £3.50 (Europe) & £5.00 rest of world



**Loudspeakers: The Why and How of Good Reproduction** by **G.A. Briggs**  
An easy to understand book on building loudspeakers, using empirical techniques that pre-date computer analysis. Strongly recommended for beginners.  
88pp 5 1/2" x 8 1/2"  
Paperback Code: 1070  
£10.95 + £1.50 P&P (UK)

**ORDER 4 BOOKS & OVER & PAY ONLY £7.00 P&P (UK ONLY)**

## AUDIO ELECTRONIC THEORY BOOKS



**Scroggie's Foundations of Wireless & Electronics** by **Roger Amos**  
A classic text based on his experience since the dawn of the electronic age. It covers both the theory and practical aspects of a huge range of topics from valve technology, and the application of cathode ray tubes to radar, to digital tape systems and optical recording techniques.  
400pp 234 x 156mm Paperback  
Code No. 1590 £19.99 + £3.00 P&P (UK)



**High Performance Audio Power Amplifiers** by **Ben Duncan**  
This handbook links analog electronics, acoustics, heat and music technology; high-end hi-fi and professional PA and recording studio use; theory, modelling and real world practice; design and repair; the old and the new, the mainstream and the specialised.  
288pp, 234x156mm, Hardback  
Code No. 1460 £40.00 + £2.25 P&P (UK)



**Understand Amplifiers** by **Owen Bishop**  
Here's a readable introduction for those with little previous knowledge of the subject. The theme of amplification is central to many branches of electronics. The book describes amplifier types, how they work, their properties, advantages and disadvantages, and applications. Amplifiers are treated with the minimum of mathematics and lots of illustrations.  
Paperback Code No. 1560  
£16.99 + £2.50 P&P (UK)



**Inventor of Stereo - The Life and Works of Alan Dower Blumlein** by **Robert Charles Alexander**  
At last! An authoritative biography of one of the seminal figures in electronics. In addition to inventing stereo, Blumlein made significant contributions to recording, television, cable and radar. A well informed work, a must for all enthusiasts.  
448pp 234mm x 156mm Paperback  
Code No: 1660 £14.99 + £2.50 P&P (UK)



**Electronics made Simple** by **Ian Sinclair**  
This books covers the basic theory and principles of electronics. A good read for the beginner.  
Code No 1420 £12.99 + £2.00 P&P (UK)



**Build your own High-End Audio Equipment** by **Heक्टर**  
Build your own High End Audio equipment contains construction projects for solid state preamplifiers and power amplifiers, active cross over filters, an active subwoofer, a mono stereo compressor and a headphone amplifier.  
Code No. 1390  
£14.95 + £2.25 P&P (UK)



**MAKING SENSE OF SOUND** by **Alvis J. Evans**  
This is an excellent compact introduction to audio technology in all it's forms. Covering the basic concepts of sound itself, hi-fi hardware, amplifiers and how they work, distortion, recording and reproduction, new sound concepts, noise, the principles of radio transmission and reception, AV technology and much much more. Beginners will find this a brilliant starting point to further their hi-fi knowledge.  
108 pages, 225mm x 150mm Paperback  
Code No. 1690 £2.99 + 1.50 P&P (UK)



**Practical Electronic Fault-Finding and Troubleshooting** by **Robin Pain**  
This book explains the basic techniques needed to be a troubleshooter, using only basic equipment: a digital multimeter and an oscilloscope. Simple circuit examples are used to illustrate principles and concepts fundamental to the process of fault finding.  
240pp 235mm x 156mm Paperback  
Code No. 1430  
£19.95 + £2.25 P&P (UK)



**Build your own Electronic Test Instruments** by **Heक्टर**  
This book contains designs for 17 measuring instruments, seven generators and analysers, ten miscellaneous instruments and a number of test auxiliaries and auxiliaries. The designs range from a simple multimeter, cable designs contain a special printed circuit drawing of which are given in an appendix.  
Code No. 1400 £15.95 + £3.25 P&P (UK)



**Back To Basics Audio** by **Julian Nathan**  
A first class reference book covering electrical principles, meters & measurements, amplifiers, transmission lines, sound waves & decibels, loudspeakers, tape recorders, transformers, PSU's, mixers, acoustics, audio cabling, assembly methods, installation planning and home cinema. An excellent read.  
344pp, 234 x 152mm Paperback  
Code No. 1610 £25.00 + £2.25 P&P (UK)



**The LP is Back!** by **Charles Hansen**  
Your complete guide to LP care and maintenance designed to offer you everything useful for those who love and enjoy this older music medium. This covers the theory and care of LPs and the electronics and mechanics of its players.  
154pp Paperback Code No. 1620  
£8.00 + £1.50 P&P (UK)



**The Joy of Audio Electronics** by **Charles Hansen**  
This is a full size guide to the pleasures of hands-on electronic construction. This book covers test and measurement projects, how to build simple kits, safety issues, the workplace, theory and resources. A must for the beginner who plans to build more advanced electronic projects in the future.  
124pp Paperback Code No. 1650  
£10.50 + £2.25 P&P (UK)



## VALVE BOOKS

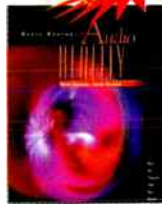


### The Beginner's Guide to Tube Design

by Bruce Rozenblitz

This book takes a comprehensive look at tube audio design. It explains how vacuum tubes work and how to design with them. Rozenblitz covers stabilisation and testing, a description of 13 famous and classic amps and preamps and how to work effectively as a designer. A hands-on guide to construction techniques, tools and choosing components and tubes is provided. 1997. 132pp., 8" x 11"

Paper back Code No. 1340  
£15.50 + £2.25 P&P (UK)

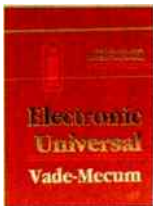


### Audio Reality

by Bruce Rozenblitz

A fine road that investigates conductors, skin effect, impedance, interconnects, speaker cables, balanced lines, transmission lines, power cords, isolation transformers, damping systems, tubes, acoustics and much more. Also, includes 6 excellent detailed valve design projects. 80watt OTL, 25watt OTL, grounded grid pre-amp, 150watt amp, 6550 SE amp, and a grounded grid cascade phono preamp.

Paperback 128pp Code No 1640  
Price £21.50 + 2.25 postage (UK)



### Electronic Universal Vade-Mecum

by Piotr Mikolajczyk & Bohdan Paszkowski  
This Data book comprises 5693 valves divided into 442 groups. A comprehensive book which contains connection details, operating parameters, load lines and example circuits.

Hard back Code 1060  
£49.95 + £ 8.50 P&P (UK)



### Valve & Transistor Audio Amplifiers

by J L Hood

This is J L Hood's greatest work yet, describing the milestones that have marked the development of audio amplifiers, from the earliest valve amps to the latest solid state design. It is the complete world guide to audio amp design. Other contents: active & passive components, amplifiers, pre-amplifiers and power supplies.

Paperback 250pp 156mm x 232mm  
Code No. 1530 £19.99 + £2.50 P&P (UK)



### Mullard Tube Circuits for Audio Amplifiers

Includes full designs for eleven power and control amps, including 5-20, using valves. Begins with a four chapter tutorial on getting the best sound from valve amplifiers.

142pp 8" x 10"  
Paperback Code 1030  
£13.95 + £1.50 P&P (UK)

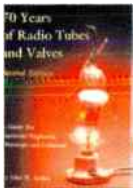


### Radio Designer's Handbook 4th Edition

by Fritz Langford-Smith

This is a classic reference handbook for all who are interested in the design and application of audio amplifiers and radio receivers, and deals with basic principles and the practical design of all types of classic audio amplifiers, radio receivers and record-producing equipment up to the invention of the transistor, covering valves, valve testing, general theory and components; audio and radio frequencies; power supplies; design of complete AM and FM receivers, and reference information.

1498pp 216mm x 138mm Hard back Code No. 1600 £35.00 + £6.00 P&P (UK)



### 70 Years of Radio Tubes and Valves

by John W. Stokes

Outlines the evolution of radio receiving tubes and the part they played in the domestic radio receiver, a reference for those interested in the history and development, and collectors alike.

256pp "8" x 11" Paper back  
Code: 1050 £24.95 + £3.50 P&P (UK)

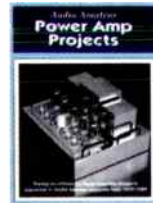


### Modern High-End Valve Amplifiers Based on Toroidal Output Transformers

by Mierno van der Veen

Explains the why and wherefores of toroidal output transformers at various technical levels, starting with elementary concepts and culminating in complete mathematical descriptions. The schematic diagram of a valve amplifier often appears to be very simple at first glance, but anyone who has built a modern valve amplifier knows that a lot of critical details are hidden behind the apparent simplicity. These are discussed extensively, in connection with designs for amplifiers without output powers ranging from 10 to 100 watts. Finally, the author gives some attention to a number of special valve amplifiers, and to the theory and practice of negative feedback. 170mm x 240mm Hard back, 250 pages.

Code No. 1670 £24.95 + £2.50 P&P (UK)



### Audio Amateur Power Amp Projects

by the editors of Audio Amateur

This illustrated handbook features 26 of the best articles on power amps from 1970-89. Authors from six countries offer an array of designs to provide almost any level of high-quality audio power needed by the resourceful amateur who prefers the pleasure of building his or her own equipment.

205pp., 8" x 11" Paper back  
Code No. 1300 £14.95 + £2.25 P&P (UK)

### Principles of Electron Tubes

by Herbert J. Reich.

A textbook for beginners starting with the basics of how a vacuum tube actually works. Shows how a simple circuit is designed including amplifiers, transformers and power supplies. A must for both enthusiasts and hobbyists.

398 pp 6" x 9" Paperback Code No. 1010  
£27.95 + £3.00 P&P (UK)

### An Approach to Audio Frequency Amplifier Design

Seventeen circuits from 5 to 1100watts - General Electric Co. High quality amp. designs using 6T6s, 6T8s, 6A100s etc. Includes two valve pre-amps complete with phono stages.

126pp 6" x 9" Paper back Code No. 1020  
£19.95 + £1.75 P&P (UK)



### Sylvania Technical Manual

by Sylvania Electric Products, Inc.

This 13th edition contains data on more than 3300 electron tubes and semiconductor devices. Reprinted here without the TV picture tube section, this manual contains detailed information on Sylvania's devices including charts and diagrams. A master index is found in the front of the book for reference.

516pp  
Paper back 140mm x 216mm  
Code No. 1700 £16.95 + £3.50 UK p+p



### Getting the most out of Vacuum Tubes

by Robert B. Tomer

From the cover "Types and causes of tube failures, what to expect from tubes, testing methods and all about tube maintenance programs." This book is intended to offer explanations of why tubes fail and what to do about it. Discussions of catastrophic and degenerative failures: selecting tubes and tube types and testing and predicting tube performance.

160pp  
Paper back, 140mm x 216mm  
Code No. 1710 £13.95 + £2.00 UK p+p



### Tube Amplifiers

by Kaysek & Kaysek

The most beautiful tube amp book in the world. No specs, no test, just 215 gorgeous four colour photos of 65+ amps with a short description of each, including a 12 page explanation of the history of tubes and tubamps. Appendix with addresses with tech. data.

167pp 9" x 12"  
Hard back Code No. 1310  
£47.95 + £5.50 P7P (UK)



### The Williamson Amplifier

by D.T.N. Williamson

Offers practical advice on how to build and set up the amplifier for best results.

40pp 8" x 11"  
Paper back  
Code No. 1040  
£9.95 + £1.50 P&P (UK)



### Build your own Audio Valve Amplifiers

by Rainer Zur Linde

This book covers construction projects for preamplifiers, power amplifiers and two amplifiers for musical instruments aimed at the practical audio hi-fi enthusiast. It offers much information on the operation of electron tubes, while the first chapter gives a short history of the thermionic valve.

paperback, 251pp, 235mm x 13mm  
Code No.1320 £14.95 + 2.25 P&P (UK)



### Fundamentals of Radio-Valve Technique

J. Deketh

This is part of the Philips technical series written in 1947 it was one of the most authoritative and comprehensive treatments of the nature and function of the vacuum tube.

514pp 6" x 9" Paper back  
Code No. 1630  
£21.50 + £2.50 P&P (UK)

### Valve Amplifiers

by Morgan Jones, Audio Engineer

This book allows those with a limited knowledge of the field to understand both the theory and the practice of valve audio amplifier design, such that they can analyse and modify circuits, and rebuild an amplifier. Constructional techniques are also provided so readers can build from scratch designs that actually work.

374pp 6" x 9" Paper back Code No. 1330  
£25.00 + 2.75 P&P (UK)

### Electronic Valves in Audio Frequency Amplifiers

by E. Rodenhuis

Originally published in 1954 by Philips, this book encourages amp. builders to experiment with design elements. Discussing the use of valve data, the function of different amplifier stages and includes detailed descriptions of eight designs. A wealth of practical data, measurements and interesting features will be found. A very good read.

Paperback 147pp Code No. 1520  
Price £12.95 + £2.00 P&P (UK)

## AUDIO ANTHOLOGY BOOKS

### Audio Anthologies When Audio Was Young

Volume One: May '47 to Dec '49

Contents: 9.5W, 5W and 6.5W 6A57G amps., 40W 300B amp., valve FM tuning indicator 30W 211 power amp., cathode follower amp. using 6V6, an adaptation of the Williamson amp., valve phono pre-amp., several horn and reflex loudspeaker designs.

Code No. 1150 £14.95 + £2.00 P&P (UK)

Volume Two: Jan '50 to Jul '55

Contents: Ultra linear 6L6 design and operation of the Williamson, a direct coupled amp., Williamson type amp using 6A5s, 40W 845 push pull amp., valve phono and line pre-amps., valves and loudspeaker damping, design and construction of reflex, horn loudspeakers

Code No. 1160 £14.95 + £2.00 P&P (UK)

Volume Three: Aug '52 to Jun '55

Contents: Simple valve phono stage - transformer less amplifier using 60R2, 20W 58B1 amp., 10W 6V6 amp., stereo valve pre-amp., high quality valve phono stage, a pre-amp for the Williamson, low distortion tone control pre-amp., binaural or stereophonic, transistor phono amp., corner & cone horn loudspeaker.

Code No. 1170 £14.95 + £2.00 P&P (UK)

Volume Four: Jul '55 to Dec '57

Contents: 18W 58B1 amp., 4W single-ended tweeter amp., budget 11W amp., versatile bass/treble control, transistor theory, transistor pre-amp., transistor techniques, battery powered transistor phono pre-amp., and loudspeakers explained.

Code No. 1180 £14.95 + £2.00 P&P (UK)

Volume Five: Jan '58 to Dec '59

Contents: Stereo valve multiplex decoder, 7W EL84 amp., valve active crossover and 20W treble amp 50W bass amp., monoaural, binaural, monophonic and stereophonic explained, heterodyne FM multiplex adaptor, transistor pre-amp., 60W EL 34 amp., high power audio amps, hi-fi loudspeaker enclosure.

Code: 1190 £14.95 + £2.00 P&P (UK)

Volume Six: Jan '60 to Dec '61

Contents: Transistor pre-amps., feedback techniques, the coming of FM stereo, FM multiplex adaptors, Tape recorders, distortion, frequency response and noise - 120W 6550 amp., loudspeaker efficiency.

Code No. 1200 £14.95 + £2.00 P&P (UK)

## ORDER FORM

Please send (Code No.) \_\_\_\_\_ (enter codes clearly)

Pay: World Audio Publishing Ltd. £ \_\_\_\_\_ or debit my Mastercard/Visa/Switch/Solo (Card No) \_\_\_\_\_

Expiry date: \_\_\_\_\_ (Switch/Solo only) Valid Date: \_\_\_\_\_ Issue No. \_\_\_\_\_ Name: \_\_\_\_\_ Signed: \_\_\_\_\_

Delivery Address: \_\_\_\_\_

Tel: (Day) \_\_\_\_\_ Please return to: W.A.P. Ltd, Suite G4, Imex House, The Park Business Centre, Kilburn

Park Road, London NW6 5LF, ENGLAND TEL/FAX: 01908 218836 Website: www.worldaudiodesign.co.uk E-Mail: nick@worldaudiodesign.co.uk

Please contact us for overseas P&P charges. Allow 28 days for delivery. All orders subject to availability. If further space is required please attach separate sheet.





This is a comprehensive directory of Hi-Fi Dealers throughout the UK and Ireland.

For your local dealers refer to our County mapguide for your requirements

**DOVER HI-FI** 43 High Street, Dover Tel: 01304 207562 Suppliers of quality hi-fi equipment including: Arcam, Akai, B&W, Denon, Jamo, Mordaunt Short, NAD, Panasonic, ProAc, Quad, Rotel, Ruark, TDL, Technics, Tannoy, Part exchange, Listening room, Service and repairs. Credit facilities. Access Visa. Open 6 days 9-5.30

**THE LINN STUDIO** Sondek LP12 "knekt" Karik" Kairn" Klouf" Kremlin" Keltik" Kaber" Keiledh" Numenk" Tukan" Wakonda" Majik" Mimik" LK100" Ekos" Kudos" Arkiv" Brilliant" Lingo" Vaihalla" Sekric" Aktyv". Dream systems for everyone from £2,000 to £30,000+. A new dealership from a specialist family business, established in 1948. Outstanding service and facilities. Multi-room specialists. 123 Smaraghe Street, Dover, Kent. CT17 9AP Tel: 01304 201525. Fax: 01304 240135.

**KIMBERLEY HI-FI** 193 Broadway, Boxleyheath, Kent, Tel: 0181 304 2272 Sep dem rooms, Denon, Technics, Kenwood, Aww, NAD, Dual, Wharfedale, Mission, Marantz, Tannoy, Castle, Monitor Audio, Heco, Jamo, Cerwin Vega and many more

**PROGRESSIVE AUDIO** 2, Maryland Ct, Rainham, Kent, ME8 8QY, Tel: 01634 389004 Agencies include: Audio Innovations, Audion, Audionite, Audio Mecca, Audio Systems, Audio Static, Audio Technica, Chord Amps, Cogan Hall, Conrad Johnson, Convergent, Denon, Goldring, Impulse, Koetsu, Levinson, LFD, Lyr, Moth, Nordost, Origin Live, Pink Triangle, Proac, SD Acoustics, Silversounds, SME, Sugden, Sumiko, Systemdek, Sneli, Target, TDL, Transfiguration, Towishend, Tube Technology, Unison Research, UKD, Voyd, VPI, etc Demos by appointment

**MATRIX HI-FI SHOWROOM** - 65 Darenth Road, Dartford, Kent DA1 1LU Tel: 01322 292391. Fax: (01322) 229908 E-mail: Matrixcomputers@compuserve.com Hi-end, Home Dem. By appointment, over 30 years experience, for enquiries or a chat give us a ring

## LONDON

**CLEARTONE** 235 Blackburn Road (1/2 mile from city center on the A 666 Blackburn Road) Bolton, Lancs BL1 8BH Tel: (01204) 531423. Bolton's biggest Hi-Fi superstore. Every top brand & all the best buys at guaranteed unbeatable prices. Aiwa, Akai, Arcam, Audioblab, B&W, Bose, Castle, Celestion, Denon, Hitachi, Infinity, JBL, JVC, KEF, Kenwood, Marantz, Meridian, Mission, Mordaunt Short, NAD, Panasonic, Pioneer, Rotel, Sony, Tannoy, TDL, Technics, Toshiba, Yamaha. 2 dedicated Hi-Fi Demo rooms and 2 A/V Demo rooms, no appointments necessary. Service department, free installation, home trial facilities, free parking, Access, Visa, Amex, Dinors. Interest free credit. Open Mon-Wed 10:00-6:00 Thurs-Fri 10:00-7:00 Sat 9:00-6:00 Sun 11:00-5:00

**MARTON MUSIC** 5 Masterson Ave. Read, Burnley, BB12 7PL for audition of the best stereo and surround sound equipment from BRYSTON (20 yr guar), MYRIAD, PMC, RUARK, YAMAHA, and the latest WILMSLOW-HART electronics, in a comfortable demonstration room through commercial and custom-built speakers including Transmission Line, Open Baffle and Reflex designs. Home demos encouraged for complete satisfaction. Also main agent for Liberty Audiosuite loudspeaker audio measurement system, ETF4.0 room measurement system and LapCAD roombox design/crossover package. Call Tony Seaford anytime for an appointment, a chat or free advice on 01282 773198 (fax 776413), or e-mail 106505.251 @compuserve.com

**ORPHEUS AUDIO** Tel: 01257 473175 See our main entry under Greater Manchester

**PRACTICAL HI-FI** 43 Friargate, Preston, Tel: 01772 883958. The audio visual specialist, expert advice, instant demonstrations, best prices, instant free credit, part exchange welcome. Extended warranty. Stockists of Yamaha, Castle, Teac, NAD, Lesica, Arcam, Kenwood, Denon, Sony, Technics, Onkyo, Marantz, Pioneer, Mission, Kef, Celestion, B&W

**PRACTICAL HI-FI** 84 Penny Street, Lancaster, LA1 1XN Tel: 01524 39657 - See our main entry under Lancaster

**PRACTICAL HI-FI** 33/35 Knowsley Street, Bolton, Lancs Tel: 01204 395789 - See our main entry under Lancaster

**PRACTICAL HI-FI** 81 Whitegate Drive, Blackpool, FY3 9DA Tel: 01253 300599 See our main entry under Lancaster

**ROMERS HI-FI** 94-96 High Street, Rishton, BB1 4LQ Suppliers of quality hi-fi equipment including Linn, Arcam, Cyrus, Quad, Yamaha, Mission, Ruark, Sony, Monitor Audio, NAD, Onky, Bose, Castle, Nordost, Straightwire, Panasonic, Pioneer, Loewe, TDL, JVC, Target, Stands Unique. Specialists in multiroom installations. Access Visual Switch. Credit facilities. Open 9:00 - 5:30 Mon-Sat (5:00pm Wed & Sat) Tel: 01254 887799 Fax: 01254 876866

## NOTTINGHAM

**ZOUCH AUDIO** Suppliers of quality Hi-Fi, Apollo, Audio Analogue, AAV, Bow Technologies, C.A.1, Celestion, Chord, Firewire, Cirrus, D.C.S., Dynalab, Garam, John Shearn, J.C.T., Lumley, M.I.T., Magnum, Munro, Musical Fidelity, Musical Technology, Neat, Opera, Orchard, Orelle, Sirius, Stands Unique, Sumiko, Teac, Tice, Towishend, Transfiguration, Unison Research, Wilson Research, X.T.C. Open 10:00-5:30. Closed Monday. Zouch Audio, The Old Coach House, off South Street, Ashby De La Zouch, LE65 1AN For further information call Michael on 01530 414128 or 0976 571875

**CYMBIOSIS** 6 Hotel Street, Leicester, LE1 5AW, Tel: (0116) 2623754. Email: shop@cymbiosis.com. Arcam, Acoustic Energy, Cable Talk, Castle, Chario, Chord Company, Cura, Denon, Linn Hi-Fi, Linn Knekt, Loewe, Television, Lutron Lighting, Musical Technology, Naim, Nordost, Projekt Furniture, Rega, Revox, Rotel, System Audio, Tag McLaren, and Wadia. Multi room design & Installation Service. 4 listening lounges. Installation Service, Finance Available. Open 10-5.30 Monday to Saturday

**LEICESTER HI-FI** 6 Silver Walk, St Martins Square, Leicester LE1 5EW, Tel: (0116) 2539753 Fax: (0116) 2626097. Arcam, B&W, Nautilus, Mission, Cyrus, Marantz, Pioneer, Quad, Tannoy, Copland, Pink Projects, Michell, Technics, Rotel, Rogers, Yamaha, Acoustic Energy, Chord Electronics, Teac, Miller & Kreisel, DPA, Talk Electronics, Greig Loudspeakers, E.T.C. 4 Listening areas over 3 floors. We can demonstrate, deliver and install, including A.V. and Multiroom. Credit Facilities All cards taken, open 6 days 9.30-5.30

**STEREO SHACK** 1-3 Guildhall Lane, Leicester Tel: (0116) 2530330. Fax: (0116) 2626097. Yamaha, Kenwood, NAD, Mission, Teac, Aiwa, Cerwin Vega, Pioneer, TDL, Thorens, JBL, Rotel, Celestion, Jamo & many more. We are A/V specialists. 2 dem rooms. We can demonstrate, deliver and install. Credit facilities and all cards taken. Open 6 days 9.30-5.30

## LONDON

**AUDIOJOY LIMITED** Run by enthusiasts for the enthusiasts, in search of a natural and musical sound. Lavardin Technologies amplifiers in synergy with L53/Sa and Harbeth Speakers. Clearaudio turntables, Transfiguration cartridges and Graham tonearms in synergistic union. Stands Unique, Target, Nordost, Michell, Trichord Research, and finally Rockport lo that little bit extra. www.audiojoy.demon.co.uk. Tel/Fax 0181 363 4963. Enfield London.

**BABBER ELECTRONICS SERVICE CENTRE** 158 Uxbridge Road, West Ealing, London, W13 8SB Tel: 0181 579 6315 Akai, Aiwa, A&R, Celestion, Dual, Goodmans, Harman Kardon, JBL, JVC, Kenwood, Marantz, Panasonic, Sennheiser, Sony, ES range, Tannoy, Technics, Wharfedale, Yamaha and many more. Auth. Service Dept. Credit Facilities, Open 10.30 - 5.30 Mon-Sat.

**BILLY YEE SOUND SYSTEM** 248 Lee High Road, Lewisham, London SE13 5PL, Tel: 0181 318 5755/0181 852 1321. Arcam, Denon, Marantz, Linn, Mission, Naim, Tag McLaren, Pioneer-DVD, Rega, etc. 2 domestic style listening lounges. Appts required, service dept, home trial facilities. Interest free credit, Access, Visa, Amex cards accepted. Opened Mon-Sat 10-6.30. Closed Thursday

**CHOICE HI-FI** Tel: 0181 392 1959 Specialist dealers in high end quality second-hand equipment. All main brands in stock including Krell, Audio Research, Wadia, Mark Levinson, Sonus Faber, Linn, Naim, SME & many more. Generous price given on trade-in. Part exchange welcome. Also dealers for Trichord, SME, Gamma, Trilogy, Lumley, Boulder & many more.

**INFIDELITY** 9 High Street, Hampton Wick, Kingston-upon-Thames, Tel: (0181) 943 3530 for full details see entry under SURREY

**HIFI EXPERIENCE** 227 Tottenham Court Road, London W1, 0171 580 3535. Arcam, Audioblab, Mission, Cyrus, Quad, Celestion, Kef, Meridian, Rogers, Tannoy, Yamaha, TDL, Thorens, Marantz, Nakamichi, Musical Fidelity and many more. Open 10:00-7:00 Mon-Fri 9-6 on Sat. Service Dept. Credit facilities, delivery and free installation

**K J WEST ONE** 26 New Cavendish St., London W1M 7LH 0171 486 8262/63 Fax 0171 487 3452 Two hi-fi & two home cinema dem studios. Appts pref. Home trial. Installation by arrangement. Service Dept. Major brands stocked. Arcam, Audio Alchemy, Audion, Audioblab, Audio Research, B&W, Castle, Chord, Copland, DPA, Epos, Graaf, Harbeth, KEF, Klipsch, Krell, Lexicon, Marantz, Martin Logan, Meridian, Michell, Micromega, Mission, Mission Fidelity, Nitety Gritty, Pink, ProAc, Quad, Rel, Rotel, Orelle, Sonus Faber, Stax, Tannoy, Theta, Unison Research, Wilson Benesh. Open 6 days

**THE LISTENING ROOMS** 161 Old Brompton Road London SW5 0UJ (0171) 244 7750/59 Fax (0171) 370 0192 Linn, Quidi, Meridian, Nakamichi, Arcam, Audioblab, Acoustic Energy, SME Audio Research, Krell, Wadia, Theta, Apogee, Martin Logan, Pioneer, Tannoy, Systemdek, Stax, Pink Triangle, Michell, Monitor Audio, Yamaha, Marantz, KEF, Bose, Celestion, Epos, Mission, Denon, Neat Petite. Mon-Sat 10-6pm

**ORANGES AND LEMONS** 61-63 Webbs Road, Battersea SW11, Tel: 0171 924 2040 Visit www.orangesandlemons.hifi.com Juicy fruit from London's finest Hi-Fi / Home Cinema retailer, our sixth succulent year. Telephone demonstrations, or just pop in. All the usual, i.e. friendly and efficient service, free home installation, credit cards, 0% credit finance available (subject to status), plus... all the very best from Arcam, Cable Talk, Castle Acoustics, The Chord Co., Denon, Epos, Kef, Linn, Marantz, NAD, Naim Audio, Neat, Quad, Rega, Roksan, Rotel, Royd, Ruark, Soundstyle, Stands Unique, Yamaha and more.

**THOMAS HEINITZ LTD** 35 Moscow Road, Bayswater, London, W2 4AH Tel: 0171 229 2077 Fax: 0171 727 9348 Email: info@thomasheinitz.com Web site: www.thomasheinitz.com Established in 1956 Thomas Heinitz has a long history of installing the best music and visual systems available. We continue to offer the highest standard of service in the most relaxed atmosphere. If you require multiroom, Av systems or just a high quality audio system then we can supply systems that are tailored to your exact requirements. For more information contact Rufus or Alester.

**TIME & TUNE** For TV, video, Hi-Fi, and in-Car Hi-Fi we are dealers of Aiwa, Bose, Hitachi, Jamo, Kenwood, Marantz, Mitsubishi, NAD, Panasonic, Pioneer, Sony, Technics. For these and more come and see us at Time & Tune, 218-220 Whitechapel Rd, London, E1 1BJ. Or call 0171 377 2000

## GREATER MANCHESTER

**ORPHEUS AUDIO** Hi-End Audio Consultants. Authorised dealers for: Acer, Acoustic Precision, Acoustic Solid, Art Audio, Audio Analogue, Audiomecca, Audio Physic, Audio Synthesis, Boulder, Burmester, Cabasse, Canary Audio, Conrad Johnson, Croft, Dali, Davis, Denon, Diapason, Dynavector, E.A.R., Forsell, Fujitsu, Graaf, Hidcock, Harman-Kardon, Hearc, Hoerning, Infinity, JBL, Klipsch, Living Voice, Lowther, Lyr, Magnum, Marantz, Michell, Musical Fidelity, NAD, NEC, Oracle, Ortofon, Oxygen, Panasonic, Pathos, Pioneer, PMC, QED, Rotel, Sony, Stax, Sumico, Teac, Technics, Thule, Thunderstone, Townshend, Triangle, Trichord, Unison Research, Vadis, VPI, and others. Part exchange deals. Demonstrations by appointment in Standish (J2 of the M6), Wigan (J25 of M6) or in your own home. Tel: 01257 473175 (evening calls welcome)

**PRACTICAL HI-FI** 65 Bridge Street, Manchester M3 3BQ Tel: 0161 839 8869 See our main entry under Lancaster

**SWIFT OF WILMSLOW** 4-8 St. Annes Parade Wilmslow Tel: (01625) 526213. Aura, B&W, Denon, Kenwood, Marantz, NAD, Pioneer, Rotel, Tannoy, Revolver, JPW. Open 9.30 - 6.00pm 2 dem rooms. No pressure!

## MIDDLESEX

**ACOUSTICA** 17 Hoole Rd, Chester CH2 3NH Tel: 01244 344227 See our main entry under Cheshire

## MIDDLESEX

**MUSICAL IMAGES** 45 High Street, Hounslow Middlesex Tel: (0181) 569 5802 Fax: (0181) 569 6353

**MUSICAL IMAGES** 173 Station Road, Edgeware, Middlesex Tel: (0181) 952 5535 Fax: (0181) 952 5535. Most brands available - see full page advert. Interest free credit, ask for details. Demo rooms. Repairs & Service. Sunday opening - Open all week. A Home Cinema Specialist. Mail order. Part exchange.

**OPAL DESIGNS LTD** Rockware Business Centre, 5 Rockware Avenue, Greenford, Middlesex, UB6 0AA Tel: (0181) 930 7972. Fax: (0181) 930 7976. Email: jas@opal.co.uk. Home Page: www.opal.co.uk. High-end Audio & Home Theatre Consultants. Authorised dealers Mark Levinson, Proceed, Linn Hi-Fi, Linn Knekt, Runco Projectors, Faroudja, Stewart Film Screen, Revel 1 loudspeakers, Stax, Wilson Audio, Martin Logan, Sonus Faber, MIT, Transparent, B & W. Mail order welcome. Credit cards accepted. Phone for latest brochure.

**RIVERSIDE HI-FI** 422 Richmond Road, East Twickenham, Middlesex, TW1 2EB Tel: 0181 892 7613 Fax: 0181 892 7749 www.riversidehifi.co.uk Arcam, Bose, B&O, Castle, Copland, Denon, Krell, Marantz, Martin Logan, Michell, Monitor Audio, Musical Fidelity, NAD, Pioneer, Project, Rel, Sonus Faber, Sony, Tag McLaren Audio, Tannoy, Teac, Theta, Wilson. Finance available. Subject to status. Written details available on request. Export orders welcome. UK mail order available. 3 demonstration rooms. All major credit cards. Open 10am-5.30pm Mon-Sat

## SURREY

**BASICALLY SOUND** The Old School, School Road Bracon Ash (Nr Norwich), Norfolk, NR14 9HG Tel: (01508) 570 829. Stockists of the following leading Hi-Fi brands: Audio Analogue, Boyer, Denon, Dynavector, Epos, Grado, Naim, ProAc, Rega, Royd, Sennheiser, Talk Electronics, Teac and more. Bada members. 2 comprehensive demo rooms

## WILTSHIRE

**CLASSIC HI-FI** At Classic Hi-Fi we cover the best in quality sounds. Be it a question of taste, a question of balance or a question of price, we're the ones to help. We stock Marantz, NAD, Pioneer, Roksan, Yamaha, Heybrook, LFD, Sugden, Rotel, Kenwood, B & W, Kef, Rogers, Monitor Audio, Musical Fidelity, Tannoy, Shenaco Audio, Royd, Audio Alchemy, Teac and many more. For more details call: 01536 310855



# deal-a-dealer

**LISTEN INN** 32 Gold Street, Northampton, NN1 1RS  
Tel: 01604 637 871 The World's Finest Hi-Fi from Arcam, Audio  
Analogue, Chord Company, Copland, Denon, FMJ, Fujitsu, KEF, Krell,  
Linn, Loewe, Martin Logan, Meridian, Miller & Kressel, Mission, NAD,  
Naim, Proac, Rega, Rotel, Sennheiser, Sonus Faber, Wilson Benesch,  
Yamaha. Dedicated Viewing & Listening Rooms, Friendly Staff, Fresh  
Coffee, 2 Full Time Waiters, Part Exchange Welcome, Free Car  
Parking, Interest Free Credit, Members of BADA.  
Open 10am-5.30pm (Closed Thursday).

## NOTTINGHAM

**CASTLE SOUND & VISION** 48-50 Maid Marian Way,  
Nottingham, NG1 6GF Tel: 0115 958 4404 Nottingham's leading hi-  
fi, multi-room and home cinema store serving the whole of the  
East Midlands. Brands stocked include Alchemist, Audio Valve, Bose,  
Boston Acoustics, Castle Acoustics, Chord Electronics, DMP,  
Denon, JBL, KEF, Klyne, Linn, Linn Knekt, Lexicon, Loewe,  
Monosch, Musical Fidelity, Naim, Nordost, Pink Triangle, Pioneer,  
Project Turntables, Precious Metals, REL, Rega, Revax, Selec  
Projectors, Sheffield Lab, Solidsteel, Sony, Stand Unique, Stereophile,  
Talk Electronics, TEAC, Wavac, Wilson Benesch and XLO. Large  
listening room including purpose built home cinema room as well as  
stereo demonstration rooms. Home demonstrations and a full  
installation service available including multiroom systems. Open  
10.00am - 6.00pm Tuesday, Thursday, Friday and Saturday, 11.30am  
- 7.30pm Wednesday. Appointments out of normal shop opening  
hours can also be arranged.

**NOTTINGHAM HI-FI CENTRE** 120-122 Aireton Road,  
Nottingham Tel: 0115 9786919. Multi-room specialists Hi-Fi, Home  
Cinema. All leading brands stocked. Three superb demonstration  
rooms. Two year parts and labour guarantee. Home trials. On site  
service facility. Full delivery and installation service. Easy free  
parking. BADA Dealer. Established 1968. Mon-Sat 9.00-5.30

## OXFORDSHIRE

**HI-CAM** Buy Sell Part Exchange. Good Quality Audio Products.  
Equipment includes Naim, Linn, Audiolab, Kef, Mission, Krell,  
Meridian, Rega. Also Prologic Equipment. Open Mon-Sun  
10.00am - 8.00pm. For genuine & friendly service Tel: Fax 01844  
260182 Mobile 0973 233380

**OVERTURE HI-FI** 3 Church Lane, Banbury, Oxon OX16 8LR  
Tel: 01295 272158 Email sales@overture.co.uk  
Arcam, Bose, B&W Solid, Cyrus, Denon, KEF, Linn Products, Miller  
& Kressel, Mission, NAD, Naim Audio, Yamaha. For sensible  
unbiased advice, call Oxfordshire audio experts. Superb demo  
facilities. No parts necessary. Home Cinema, Multi-Room and  
Commercial installations. Access/Visa, instant credit.  
Mon-Fri 10.6, Sat 9.30-5.30

## SHROPSHIRE

**ADAMS & JARRETT** Hi-Fi and Home Cinema Specialist. Phone or  
visit us at 6-18 Norman Road, St Leonards-on-Sea, E Sussex,  
01424, 437165-432398. Stocks of quality equipment including  
Audio Innovations, Meridian, KEF, Ruark, Marantz, NAD, JBL, Royd,  
Dai, Jamo, Onkyo, Rega, Trager, Cable Talk, Technics, TDC, Yamaha,  
Kenwood. Air conditioned listening rooms, on site service and  
repair facilities.

**MID SHROPSHIRE AUDIO** 24 Power Bank, Dawley, Telford,  
Shropshire TF4 2BU Tel/Fax: 01952 502097 OR mobile 07930  
913336 E-mail: mp@msaaudio.com Used and ex-demon Hi-Fi  
equipment, on line website etc. Also agent for Audionote, Alchemist,  
Ampex, Hawley Designs, Michell, Ortofon, Project, Rothwell  
Electronics, SME, Stands Unique etc. I will give you top part/ex  
exchange value for any new product. Home dems always a pleasure (I  
will travel any reasonable distance). APPOINTMENTS ONLY

**SHROPSHIRE HI-FI** St. Malin's Street, Shrewsbury, Shrops SY1  
2ES Tel: 01743 232065. Stocks of Musical Fidelity, Meridian,  
Shed, Sony, Kenwood, Pioneer, Rotel, Denon, B&W, Proac Audio  
Vinyl. Production available. Open 9.30 - 5.30pm Mon-Sat.

## WARWICKSHIRE

**SOUTH WEST ANALOGUE** Quality British and European Hi-Fi,  
SME speaker, Mic 2 turntable in demonstration. Michell,  
Garrard, Prologic, Ortofon, Tube Technology, Tesserac, Castle  
Electronic Cables. 01643 851331 anytime

## SHROPSHIRE

**ACOUSTICA** 114 Wolverhampton Rd, Stafford ST17 4AH,  
www.acoustica.co.uk Tel: 01785 258216. All that's best in Hi-Fi &  
Home Cinema from quality manufacturers including Naim, B&W,  
Musical Fidelity, Bowers, Sennheiser Projectors, KEF, Ruark, Denon,  
Pioneer, Teac, JBL Lab, Hi-Fi Masters, Quadraspire, Celestion &  
Celestion the other brands. Top quality interest free credit &  
exchange facilities, and delivery & install systems throughout  
Staffordshire & the Midlands. Opening hours are Tuesday to  
Saturday 10.30 until 6.00 evenings by arrangement

**SOUND OF MUSIC** The alternative Hi-Fi shop 01270 214143,  
A.K.G., A.I.I., Alchemist, B.C.D., Blueprint, Castle, Chord Co,  
Diva, Dynaudio, Dynavector Electrocompaniet, John Shearer, KEF,  
Lexicon, Linn, Loewe, Michell, Myryad, Nordost, Ortofon, Project,  
Project Sounds, Q.L.N., Restek, Roksan, Stands Unique, Teac

## SUFFOLK

**ANVIL AUDIO** Tel/Fax 01359 240687 Mobile 0467 404874  
Music from the Sound Foundry! Suppliers of [Audio Physics]  
loudspeakers, Adyton, amplifiers, Meracus, CD transporters,  
players, DAC's, pre and power amplifiers Yamamura, Churchhill  
cables and accessories, ART Accessories Mail Order  
Accessories/CD's, Cable/Amp Stock Clearance. Phone or fax for  
further details and ex-demo hardware offers. Most major credit  
cards accepted.

**ANGLIA AUDIO** The Street, Hessett, Bury St Edmunds  
Suffolk, IP30 9AZ Tel: 01359 270212 Hi-Fi and speaker centre  
dedicated to quality hi-fi since 1971. Open 10-6. Closed Weds  
and Sundays. Evening and Sunday Demos by appointment

**AUDIO IMAGES** 128 London Road North, Lowestoft, Suffolk,  
NR32 1HB Tel: 01502 582853 Arcam, Acurus, Castle, Rotel, Math,  
Triangle, QTA, Sugden, Denon, Yamaha, Mirage, M & K, Definitive,  
Musical Fidelity, plus the incredible Rothwell range. Refreshingly  
different selection. Dem Room, Professional AV installers from  
budget to high end. Full credit facilities. 9.30 to 5.30 Mon & Sat -  
9.30 to 6.00 Tues to Fri

**EASTERN AUDIO** 41 Bramford Road, Ipswich Tel: 01473 217  
217. Fax 01473 215705. Quad, Arcam, Audiolab, Meridian,  
Mission, Denon, Rotel, Marantz, NAD, Sony, Rogers, Nakamichi,  
Systemdek, Technics, Celestion, B&W, Tannoy, Morell, Thorens and  
Top Tape. Also stock a wide range of accessories, usual credit  
facilities. A BADA dealer.

**STOWSOUNDS** Audio Consultants, Stone Farm, Borough  
Lane, Great Finborough, Stowmarket Tel: 01449 675060. We offer  
genuine impartial advice and demonstrations of quality audio  
equipment, racks and accessories. Demonstration by appointment  
here or in your own home. Some ex-demo and second-hand  
equipment. Phone for a consultation, demonstration, or price lists  
and product information.

## SURREY

**INFIDELITY** 9 High Street, Hampton Wick, Kingston upon  
Thames, Surrey, KT1 4DA Tel: 0181 943 3530. Stocks of  
Arcam, Creek, Epos, Linn, Meridian, Naim Audio, Nautilus 800,  
Naga, Rega, Rotel, Royd, Shahinian, Stax, Yamaha. Open Tues -  
Saturday 10.30am - 7.00pm

**SPALDINGS HI-FI** 352-4 Lower Addiscombe Rd, Croydon,  
Surrey, CR0 7AT. 0181 654 1231/2040. 3 dem rooms and home  
dem. Free installation/credit. Meridian, Linn, Naim, Quad, Arcam,  
Audiolab, Mission, Denon, Tannoy, Marantz, Ruark. Mon-Sat 9-6,  
Tues 9-8. Service dept (3 Dem rooms incl AV 0% credit)

## SUSSEX (EAST)

**ADAMS & JARRETT** For the best Audio Visual Specialist with  
friendly staff phone or visit us at 6-18 Norman Road, St  
Leonards-on-Sea, East Sussex. Tel: 01424 437165/432398  
Meridian, KEF, Ruark, JBL, Marantz, NAD, Dai, Jamo, Onkyo, Rega  
Target, Technics, Yamaha, Kenwood, Musical Fidelity, Dynaudio,  
Denon, Tannoy, B&W, Rotel, Thorens. Interest free credit  
available subject to status Visa, Mastercard

**THE POWERPLANT** "Brighton's Leading Hi-Fi Shop" 66  
Upper North Street, Brighton, Tel: 01273 775978 Fax: 01273  
748419 email: powerplant.co.uk Open 10am-6pm Tues-Sat  
Comfortable listening rooms. Experienced and friendly staff. ATC  
Arcam, B&W, Cyrus, Rega, Linn, Pro Ac, Tag McLaren, and much  
more.

## WARWICKSHIRE

**LEAMINGTON HI-FI CO** 23a Regent Street, Leamington Spa,  
Warwick, CV32 5EJ Tel: 01926 888644 Fax: 01926 887486 E-mail:  
theficcompany@dealpipes.com Web: http://www.theficcompany.co.uk  
Arcam, Quad, Marantz, Denon, Pioneer, Yamaha, NAD, Mission, KEF, Celestion, Azteca, Technics, TDL, REL, Ixos. Single speaker dem rooms. Permanent Dolby  
Digital Demonstration with rear projection televisions • DVD  
laserdisc hardware and software in abundance. Part exchange and  
credit available - subject to status

**SOUNDS EXPENSIVE** 12 Regent St, Rugby, Warwick CV21  
2QF Tel: 01788 540772 Agents for Arcam, Audiolab, B&O,  
Castle, Celestion, Denon, Dual, KEF, Mission, Marantz, Meridian,  
Pioneer, Quad, Rotel, Sony Tannoy Yamaha & many more. 2 year  
warranty on all hi-fi separates. 2 Demonstration rooms. Home  
Trials, All Major Credit Cards Accepted, Mail Order Welcome.  
Ring Now For Keenest Prices. Open Monday - Saturday 9.5-3.0  
Closed Wednesday If We Haven't Got It, It's Probably Not Worth  
Having

**STRATFORD HI-FI** 10a Chapel Street, Stratford upon Avon,  
Warwickshire Tel: 01789 414533 Arcam, B&W, Bose, Cyrus,  
Denon, KEF, Marantz, Micro Omega, Mission, Monitor, Audio, NAD,  
Panasonic, Onkyo, Pioneer, Rotel, Sony, Technics, Yamaha.  
Demonstration room. Service facilities. Mail order. Interest free  
credit. Open 9.30-5.30 Monday to Saturday all major credit  
cards.

## WEST MIDLANDS

**ACOUSTICA** 114 Wolverhampton Rd, Stafford ST17 4AH  
See our main entry under Staffordshire

## MUSIC MATTERS

Birmingham, 363 High Road, Edgbaston, B17 8DL  
Tel: 0121 429 2811  
Solihull, 93-95 Hobs Maat Road, B92 8JL  
Tel: 0121 342 0254  
Stourbridge, 9 Market Street, D48 1AB  
Tel: 01384 444184  
Sutton Coldfield, 10 Beldmiere Road, B73 5TD  
Tel: 0121 354 2311

Arcam, Alchemist, Apollo, Audioquest, Audio Research, B&W,  
Cable Talk, Castle, Celestion, Chord, Copland, Cyrus, Denon,  
DPA, JBL, Kef, Krell, Marantz, Martin Logan, Meridian, Musical  
Fidelity, Panasonic, Pioneer, REL, Rotel, SME, Sennheiser,  
Sonus Faber, Tag McLaren, Teac, Trieta, Yamaha etc. Classical  
CD's available at Birmingham only. Demonstration rooms,  
service and installation. BADA member. VISA, MASTERCARD,  
AMEX, SWITCH. Open 10.5-3.0 Tuesday to Saturday. Late  
night Thursday till 7.00 (near Stourbridge)

**FRANK HARVEY HI-FI EXCELLENCE** 163 Spion Street,  
Coombe, CV1 1BB Tel: 01203 525200. Web Site:  
http://www.frankharvey.co.uk. Much more in store on 3 floors  
with 3 dedicated Hi-Fi demonstration rooms of the very best  
Hi-Fi plus a new Home Cinema Room. Apts Req. Open  
9.30 to 5.30 Monday to Saturday. Authorised agencies include  
Acoustic, Energy, Atclama, Arcam, Audio Quest, Bang &  
Olufsen, B&W, Casse, Cable Talk, Celestion, Chord, Cyrus,  
Definitive Technology, Denon, KEF, Marantz, Meridian, Monitor  
Audio, Miller & Kressel, Mission, Michell, Gyrindex, Musical  
Fidelity, NAD, Opus, Pionettec, Pioneer, Quad, QED, REL,  
Rega, Rotel, Sennheiser, Sharp, Tag McLaren, Target, Teac,  
Tannoy, Thorens, van der Hul, Yamaha. Interest free credit and  
part exchange. Wide screen TV, Projection and Multi-room  
specialists

**SOUND ACADEMY** For the Midlands. The Parade, Sutton  
Coldfield Tel: 0121 321 2445 & High Street, Blouwick, N.  
Walsall (sharing the ASDA shopping centre) Tel: 01922 493499  
Hints 4 private studios plus a Home Theatre. Cinema with  
Tube & LCD Projectors. The best hi-fi from Naim, Arcam,  
Audiolab, Chord, Meridian, Monitor Audio and many more.  
So if you've ever come to read this please let us make you  
welcome. Phone 0121 321 2445 for Sutton or 01922 493499  
for Walsall. Call in and to browse our exciting display of hi-fi  
and home cinema equipment. Mail order available. Interest  
free credit. ST Status. Open 6 days 9am to 5.30pm. Please  
call for late night. Expert Advice, Cable Dressing and  
Installation.

## WILTSHIRE

**SALISBURY HI-FI LTD** 15 Catherine Street, Salisbury,  
Wiltshire SP1 2DF Tel: 01722 322169 Arcam, B&W,  
Celestion, Denon, KEF, Kenwood, Marantz, Meridian,  
Micro Omega, NAD, Ruark, Sony, Yamaha. 2 Dem rooms. Friendly  
relaxed atmosphere. Professional advice. Home dem available.  
Sound department. Free installation. Home trial facilities.  
Access/Visa/Amex. Interest free credit. Instant credit. Open  
Mon-Sat 9.5-3.0

**THE RIGHT NOTE** See under BATH & BRISTOL heading

## WILTSHIRE

**MAX - MIDLAND AUDIO X-CHANGE** 181 Fanchise  
Road, Kidderminster, Wores DY11 5AD Phone 01562 802236  
• Mobile 0421 605966 • e-mail: john.robert@20.virgin.co.uk  
Analogue Hi-end specialists • Open Monday to Saturday 9.30 to  
6.00 • Part exchange always welcome • Evening demos  
arranged by appointment • Service facilities • Free delivery  
Suppliers and installers of high quality audio systems, including  
Audio Note • B&W • BAT • Denon • DPA • Electrocompaniet  
• Hertz, Lippmann • Michell • Nagra • Pass • Prema • Pro-All •  
Rega • Revell • Roksan • SPM • Sugden • UKD • Unison  
Reveler • Vivaldi • Adcom, MasterCard, Visa and Switch

## WILTSHIRE

**THE AUDIO ROOM** 2 George Street, Hinton, Wilts, HU12  
8JH Tel: 0482 891375. Hi-Fi, Home Cinema, Music  
Audiophile agents for: Linn, Prologic, Cyrus, Mission, Fidelity,  
B&W, AVI, Marantz including premium Denon, NAD, Royd,  
Quad, Harbeth, Nakamichi, Technics, Sony, Linn, QED,  
Quadraspire, Sheffield Lab, Utopia, Sennheiser, Cable Talk, Graded,  
Sound Organ, Atmos Exposure, Talk Electronics and more.  
Open Mon-Sat 9am-7pm. 0% Finance Available. 4  
Demonstration rooms. Part exchange facilities.  
Available friendly relaxed atmosphere guaranteed

**ZEN AUDIO** 25 George Street, Hinton, Wilts, 0482 891379  
• Comfortable listening rooms. Home dems. Personal friendly  
service. Free installations. Agencies include: Analogue Audio,  
Analogue Audio Innovations, Audio Note, Audio Research,  
B&W, Cable Talk, Chord, CO DPA, Denon, Denon DNM, EAR,  
Exposure, Fi-Rax, Harbeth, Heybrook, Impulse, KAR, KEF,  
Micro, Meridian, Monitor Audio, Music Technology,  
Myryad, NAD, NAIM, Pioneer, REL, Reti, Relink, Rotel, Royd,  
Ruark, Shearman Audio, Stands Unique, Sugden, Spondor, Sonix,  
Linn, TEAC, TDL, Tube Technology, Utopia and many others.













# welcome to world favourites

Here's a list of products that are a good buy. We've tried to cater for a range of tastes, identifying strong products in every area. We're agnostic so you'll find a wide range of products, from valve pre-amps through to MiniDisc players. Products marked \* are recently out of production but make a good second-hand buy.

Prices shown are those at the time of the review



Roksan Caspian CD player  
Solid as a ROK

## COMPACT DISC

**ARCAM FMJ CD23** £1100  
This British-built player is extremely versatile. Controlled and detailed with a musical insight that few match. (Jul 2000)

**CAMBRIDGE CD4SE\*** £200  
A touch soft in the treble but outstanding in every other respect. (Feb 98)

**KENWOOD DP-3080/II\*** £180  
Has great clarity and presence for the price. Not as naturally expressive as the CD4SE though. (Feb 98)

**LINN KARIK III\*** £1775  
Under rated and overlooked, the final Karik was a gem. Superb transport gives a brilliantly tight, grippy dynamic sound, albeit tonally rather dry.

**MARANTZ CD-17 KI-S** £1100  
The Marantz excels in all areas. Without doubt this is one of the most involving CD players on the planet. Build quality is also exemplary. (Sep 97)

**MARANTZ CD-63 MKII KI-S\*** £400  
Similar to the CD-63SE but more powerful bass and an all-round smoother sound. The famous KI tweaks pay off again. Whether or not it is still pre-eminent against the vastly improved competition is a matter of opinion.

**MERIDIAN 506 20-BIT\*** £1100  
Very detailed and revealing player. More cerebral than visceral sounding, however. (May 95)

**MUSICAL FIDELITY X-RAY** £800  
Commonsense sturdy CD player of exceptional ability. Clear and detailed with high quality internal processing system. The X-Ray is inclined to show up poor recordings, but it's only doing its job! (Feb 99)

**NAD S500** £1000  
This dynamic top of the range Silverline spinner delights with any type of music. Exciting, sophisticated sounding and highly recommended. (Jun 2000)

**ROKSAN CASPIAN** £895  
The Caspian has a smooth, slightly bright sound with some of the clearest treble in the business. Very engaging, dynamic character. (Aug 97)

**ROTEL RCD 951** £300  
HDCD capability at a midrange price. Plain Jane looks but solid construction. There is some higher than average measured distortion which may take the edge off this otherwise tempting product. (Aug 99)

## COMPACT DISC TRANSPORTS

**SONIC FRONTIERS TRANSPORT** £6999  
Cutting-edge design and technology combine to make this one very desirable product. The only problem is the fantasy hi-fi price. (Sep 98)

**TEAC P-30** £2500  
Cheap it isn't, but then it sounds like a million digital dollars. Nothing short of superb. (Jun 97)

**TEAC VRDS T1** £600  
Excellent mid-price silver disc spinner with a powerful, expansive and warm sound. Easily beats most sub-£1000 designs. A good choice for the budget conscious who want the best. (Feb 95)

## CD TRANSPORTS

**CAMBRIDGE AUDIO DACMAGIC 3\*** £99  
Superb value for money with extensive facilities and solid, detailed sonics. Upgrades any sub-£300 player.

**DCS ELGAR** £8500  
Future-proof convertor which will handle 24/96 and 24/192. Extremely open and natural performer. (Nov 97)

**DPA LITTLE BIT 3\*** £299  
A taste of the high end on a budget. Rich, clean, punchy sound transforms budget CD players.

**MIDIMAN FLYING COW** £299.9  
Excellent as a DAC and doubles as an ADC for archiving to CDR. (Jun 98) Great value, as is junior version Flying Calf at £109. (Feb 99)

**MUSICAL FIDELITY X-DAC\*** £300  
A bargain for normal CDs and even better with HDCDs. (Nov 97)

**SONIC FRONTIERS PROCESSOR 3** £6999  
Quality never comes cheap! This DAC oozes class and when matched with the Transport 3 is certainly up with the best. (Sep 98)

## TURNTABLES

**LINN SONDEK LP12 BASIK** £1100  
Off the pace these days in many respects but still an extremely sweet and engaging listen with a quintessentially analogue sound.

**MICHELL GYRODEC 5E** £775  
Exquisitely built, infinitely upgradeable deck that gives true high end sound at mid-fi prices

**MICHELL ORBE** £2000  
Fantastically capable all rounder with commanding, powerful, detailed sound that gets the best from almost any arm and cartridge. Supreme build, brilliant value. (Apr 95)

**ORIGIN LIVE STANDARD (KIT)** £145  
Good in standard form with AC motor; frighteningly good with a DC motor and battery PSU.

**PINK TRIANGLE TARANTELLA** £680  
Not only does the Tarantella have more style than a catwalk full of models, it also combines PT's usual clarity with real authority. (Oct 97)

**PRO-JECT DEBUT** £110  
Straight out of the box and onto the shelf! Nothing short of a bargain. Vinyl's never had it so good, so cheaply!

**REGA PLANAR 2** £214  
Brilliant starter deck with extremely polished manner. Better built £274 Planar 3 is a great all-in-one package that eats mid-price CD players for breakfast.

**ROKSAN XERXES X** £1295  
DSU or XPS 3.5 power supply £150/170 extra. Excellent pitch stability from a new Swiss motor and outboard power supply. Very tight bass, fine dynamics and revealing clarity. (Jan 97)

**SYSTEMDEK IIX900\* RB250** £330  
A fine all-rounder and easy to upgrade too. More depth and breadth than Rega Planar 3. (Sep 94)

**VESTAX BDT-2000** £225  
A stylish looking deck with infinitely variable speed 16-90 rpm, DC belt drive and built-in MM phono stage. Good value, with plenty of chassis room for alternative arms, if required. (Sep 99)

## TO NEARMS

**HADCOCK 242 SE** £649  
Latest of a long line of unipivot arms. Added mass makes the 242 suitable for both low compliance MCs and straw-in-the-wind high compliance types. Revised geometry and chromium plating completes a first-class job. (Jun 2000)

**NAIM ARO\*** £975  
Truly endearing and charismatic performer - wonderfully engaging mid-band makes up for softened frequency extremes

**REGA RB300** £180  
Some may prefer the simpler RB250 at £130. Detailed, tight, rhythmic sound but tonally rather grey and cold-sounding. Still excellent value, though

# Audiophile candy

MAIL ORDER HI-FI ACCESSORIES



FREE PLEASE CALL



GREAT SELECTION



CALL: 0870 241 246 9

For more information contact:

**Audiophile Candy**

P.O. Box 7274 • Tadley • RG26 5FR  
tel: 0870 241 246 9 fax: 01256 851486  
e: theteam@audiophilecandy.com

# five star performance

in audio equipment support

## Hi Fi Choice

An earth shattering upgrade  
for your Hi Fi system  
**Best Buy September 1999**

### Customer Selection

The BASE platform  
must rank as  
one of the great  
bargains in  
Hi Fi



### WHAT HI-FI?

extract from June 1999

This nicely finished platform  
works superbly and for sheer  
value for money, the Audiophile  
BASE 01 takes top honours.  
★★★★★

### Top Accolades for BASE Audio Supports

Stereo (Germany) Feb 97 **★★★★**  
Hi Fi World Feb 98 **Outstanding ★★★★★**  
What Hi Fi July 98 **★★★★★**  
Home Entertainment Oct 98 **★★★★★**  
Stereoplay (Germany) Feb 99 **Outstanding ★★★★★**  
What Hi Fi June 99 **★★★★★**  
Hi Fi Choice Sept 99 **Best Buy**

## AUDIOPHILE FURNITURE LTD

The Square, Forest Row, East Sussex RH18 5ES  
Tel: 01342 826262 Fax: 01342 824845

## Total customer care

1. Expert, impartial advice on all aspects of audio & video, given by trained staff
2. Products specially selected for quality, performance and value
3. Personal demonstrations - Listen before you buy!
4. A home delivery and installation option - for optimum performance

## Total peace of mind

1. A 10-day purchase exchange programme (returns as new & excluding special orders)
2. BADA's Free extended 2-year Guarantee on all new hi-fi and home cinema separates
3. The option to transfer the Guarantee to any one of 120 BADA members nationwide
4. Deposits safeguarded by the BADA Bonding Scheme



**BADA**  
BRITISH AUDIO DEALERS ASSOCIATION  
the symbol of security

### BRITISH AUDIO DEALERS ASSOCIATION

P.O. Box 229 London N1 7UU Phone: 0171 226 4044  
Fax: 0171 359 7620 E-mail: bada1@compuserve.com

For further information please see our web site: <http://www.bada.co.uk> or ring for our information pack

BADA acknowledges the support of the following Associate Members: Alphason The Chord Company Dolby Labs Heybrook Jamo KEF Kenwood Meridian NAD Pioneer Polk Sennheiser Sony Vivanco

Home Demonstration Specialists  
Hi-End Audio & Home Theatre

Multi-Room Design & Installations  
Export Orders Welcome

Unbiased Advice & Support  
Part-Exchange Available

**AudioVenne**  
Bespoke Audio Visual Consultants



X-PI00 & X-AS100  
pre-power amplifier



Musical Fidelity A3 & A300  
integrated amplifier



Proceed AVP  
processor



Krell KAV 300I  
integrated amplifier

Musical Fidelity  
A & X series in stock

NEW - Nu-Vista M3  
Integrated Amplifier  
-only ISO available



Musical Fidelity A3  
cd player



Tact Millennium MKII  
digital amplifier



Copland COA 2B9  
cd player



Sonus Faber  
Grand Piano  
Speakers



Martin Logan  
Prodigy  
Electrostatic Speakers

[www.audiovenue.com](http://www.audiovenue.com)

Tel/Fax: +44 (0)20 8707 4849 Mobile: +44 (0)7973 471 426 email: [info@audiovenue.com](mailto:info@audiovenue.com)

Ranges available: Audio Analogue • Audio Research • Acoustic Research • Aldenkamp • BCD Engineering • Bryston • Bose • Bow Technologies • Beluci Designs • Boston • Chord • Copland • Clearaudio • Dual • Final • Graaf • Krell • LAT • Michell Engineering • Monitor Audio • Musical Fidelity • Martin Logan • Nad • Nordost • Nakamichi • Opera • Parasound • Primare • Proceed • Project • OED • Revel • REL • Sonus Faber • SILE • Stands Unique • Stand Design • Straightwire • Sunfire • Tact Audio • Thule Audio • Target • Transparent Audio • Theta • Unison Research • Wilson Audio • Wilson Benesch and other leading components and accessories



Prices shown are those at the time of the review



Musical Fidelity X-Cans2  
Warm, sumptuous, sweet sound

**SME 3009SH** £309  
Once state of the art, but no longer. Weak at frequency extremes and detail, but its legendary serviceability makes it a cult in Japan. Can be picked up for peanuts second-hand. (Jan 93)

**SME 309** £689  
A down-market version of the IV and V with aluminium armtube and detachable headshell. Tight, neutral sound with good tonality, but lacks the IV's pace and precision. Like the older SME 3009 series, this arm is also available in 10" and 12" versions. (Jan 93)

### CARTRIDGES

**AUDIO TECHNICA AT-110E** £30  
Great starter cartridge that's refined, detailed and musical beyond its price. Best value MM under £50

**GOLDRING 1012GX** £74  
An accomplished MM with a solid bass, slightly forward midband and clean transients. Very reasonable price for such an able performer. (Jul 93)

**DNM MICA** £185  
Better than Goldring's 1042 and costs only £135 on trade-in. An assured and transparent MM. (Feb 98)

**DYNAVECTOR DV20X-H** £299  
The best modern budget MC combines deliciously sweet sound with fantastic get-up-and-go. High output version works a treat with valve phono stages too.

**MUSIC MAKER** £575  
When mated with a good quality arm, this hand finished high-output pick-up gives an ear-boggling account of itself. Very high compliance ensures maximum information retrieval. An absolute (grain orientated) gem. (Feb 99)

**ORTOFON MC 7500** £2000  
Conclusive proof that there's hope for the world. It's a long time ago now but this high-priced favourite still earns its niche - CD lovers would die if they heard it. (May 94)

**ORTOFON MC 15 SUPER II** £140  
Not quite as good as the dearer Supremes but the Super II is a splendid introduction to the joys of moving-coil cartridges.

**GOLDRING 1042** £130  
One of the best Moving Magnet cartridges going, with beautiful treble and muscular bass. New low price makes it a bargain.

**ORTOFON ROHMANN** £1000  
In a way it's MC 2000 meets MC 7500 with great tonal strengths and a dynamo sound. (Apr 96)

### INTEGRATED AMPLIFIERS

**AUDIO ANALOGUE PUCCINI SE** £595  
This superbly-built Italian integrated has a lucidity and control which leaves others nowhere. Sound stage a wow. (Dec 97)

**AUDIOLAB 8000a\*** £495  
Well rounded integrated with smooth and detailed sound plus a huge feature count. Great build makes later versions a top used buy.

**DENON PMA-250SE** £160  
It might not have bags of grunt but the Denon can sound exceedingly natural and open. (Feb 97)

**McINTOSH MA6800\*** £3735  
The MA6800 not so much plays music as takes control of it, with effortless bass drive. (Sep 95)

**MISSION CYRUS 2\*** £299  
Classic eighties minimalism combines arresting styling with clean, open, lively sound. Further upgradable with PSX power supply.

**MUSICAL FIDELITY X-CANS2** £160  
Warm, sumptuous, sweet sound h/phone amp. gives startling results with a decent set of headphones.

**NAIM NAIT 3\*** £575  
Superb rhythms and dynamics make for great music making, but tonally monochromatic. Super optional phono stage makes it ideal for vinyl junkies.

**ROKSAN CASPIAN** £695  
Smooth, warm integrated with remote control that works happily into most 'speakers'. (Dec 97)

**SONNETEER ALABASTER** £995  
Builds on the strengths of the Campion with ample control, colour and drive. (Oct 97)

### PHONO STAGES

**CREEK OBH-8 SE** £180  
Punchy, rhythmic character with oodles of detail makes this a great budget audiophile product.

**LFD MISTRAL PHONO STAGE\*** £300  
The Mistral has a warmth and involvement that make many pricier stages sound overpriced.

**MICHELL DELPHINI MONOBLOCS** £1995  
Analogue tour-de-force gives supremely clean, detailed and finely resolved sound with breathtaking dynamics. Great value, even at this price.

**MUSICAL FIDELITY X-LP** £125  
One of the famous MF X series. Full marks throughout for clarity and detail. Switchable between MM and MC. Indestructible build! (May 99)

**PRO-JECT PHONO BOX** £39  
Not the last word in many respects but a thoroughly honest piece of work. Inexpensive introduction to all that vinyl has to offer. MM and MC provision plus choice of two impedances.

**ROKSAN ARTAXERXES X** £950  
With the Atessa PSU the Artaxerxes X MM/MC stage still shines. Great stage depth, neutrality and tonal colour. (Oct 97)



# Billy Vee

## SOUND SYSTEMS

248 Lee High Rd, London SE13 5PL (Mon - Sat 10am to 6.30pm Closed Thurs & Sun)

## SAME NAIM, BUT A WHOLE NEW GAME

Call 020 8318 5755 to find out more...

Sometimes it just happens, a new range appears to replace existing products that have already carved and enviable reputation for affordable excellence and you think, Oh no - how can it be better? And it is! The new 5 Series is right here, right now. Call Paul or Patrick for more info, a leaflet or more importantly an audition, you won't be disappointed - promise!

- Local delivery and installation included in purchase price
- 3 year warranty for all 5 Series products - part exchange available
- Deferred and Interest Free Credit available at 0% APR - Call for details.
- Complete Naim range available for audition inc NAP500 & NBL



Featured - CD5 Player (Top) £1125 & Nait 5 (Bottom) £799

# world favourites

**SONNETEER SEDLEY** £399  
Combines transparency and fine dynamics with excellent rhythmic ability. (May 98)

## PRE-AMPLIFIERS

**AMC 1100** £150  
Suffers from un-defeatable tone controls but an extremely good value piece of kit. Partners the similarly budget level AMC 2200 power amplifier, also at £150. Comfortable beginners' choice. (Mar 99)

**AUDIO ANALOGUE BELLINI** £475  
Showcases AA's characteristic mix of clarity and musicality and blasts the competition. (Apr 98)

**CHORD CPA1800** £1800  
Clarity, insight and control are second to none - an addictive mixture. (Mar 98)

**CROFT VITALE** £350  
A modestly priced valve pre-amp with exceptionally transparent performance. MM phono stage plus three line stages are standard. Volume controls are separate for each channel, thus giving balance adjustment. A remarkable item in all respects. (Feb 2000)

**XTC PRE-1 \*** £1000  
Almost valve-like in its smoothness, the line-level Pre-1 is warm and seductively clear. (Nov 96)

## POWER AMPLIFIERS

**ARCAM 9 \*** £400  
With 70W on tap, the 9P will drive most loudspeakers with a spacious and detailed sound. Good bass welly too. (Dec 96)

**CHORD SPM400** £1400  
There's a sense of effortless power to the Chord that gives music real scale and presence. (Mar 98)

**MARANTZ MODEL 9 \*** £8000  
Authentic reproduction monoblocs still more than cut the sonic mustard. Highly expensive and highly sought after. (Mar 97)

**MICHELL ALECTO** £1989  
Crisp, clean and beautifully controlled with gorgeous styling. Partnered with the £1650 Orca this is a superb winning combo. (Oct 98)

**MUSICAL FIDELITY X-A200** £1000/pair  
200W of high-end monobloc power in a grooved tube. (Aug 98)

**NAIM NAP180** £1060  
Partnered with a NAC82, this has classic Naim control, and a superbly rhythmic presentation.

## TUNERS

**CAMBRIDGE T500** £180  
An extremely engaging tuner with a performance at odds with its low price. Not exactly a Troughline, but you may not notice... (Feb 99)

**CREEK T43** £399  
Excellent detail, separation and dynamics. A great little tuner and unbeatable at this price. (May 98)

**MARANTZ ST17** £600  
A positive dreadnought of a tuner. Sweet and refined but with a heavy punch when needed. A tuner of this quality demands a decent aerial. (Jul 99)

**MISSION CYRUS FM7\*** £300  
Clear and lucid sound puts it up with the best. Superb build too. (Apr 94)

**NAIM NAT03** £595  
The NAT03's warm, atmospheric sound is further proof of Naim's proficiency with tuners. (Sep 93)

**SONY ST-SA3ES\*** £250  
Beguiling RDS tuner for the sonically discerning. Good ergonomics and sensitive too. (Apr 97)

## CASSETTE DECKS

**AIWA AD-S750\*** £200  
Sonically a very decent machine at the price. Comes fitted with Dolby B, C and the dead handy Dolby S. (Apr 96)

**AIWA AD-S950\*** £300  
A stable transport, superb head and Dolby S make the AD-S950 an excellent all-rounder. (Feb 95)

**KENWOOD KX-3080\*** £160  
A simple deck, but excellent-quality head and transport give top quality sound. (Oct 96)

**PIONEER CT-S740S** £430  
A great piece of engineering from Pioneer, with first-rate sound. (Jun 96)

**YAMAHA KX-580SE\*** £250  
The 'SE' tag is more than a marketing gimmick. Sound is solid and clear with Dolby S. (Sep 97)

## LOUDSPEAKERS

**CASTLE EDEN** £469  
Impressively vice-free 'speakers that offer great transparency and involvement. One of a select band that simply makes music regardless. (Mar 97)

**EPOS ES12 \*** £495  
Strong, punchy bass is allied to finely detailed, articulate midrange and sparkling treble. (Oct 96)



Kef Cresta 1 loudspeakers  
A very musical sound

**KEF CRESTA 1** £100  
Delightfully sophisticated presentation for the price. Won't blow the roof off, but will deliver a very musical sound. (April 2000)

**KLIPSCH HERESY II** £1100  
An outstanding high sensitivity loudspeaker with midrange and treble horns coupled with infinite baffle 12" bass driver. Effortless, fast and accurate. (May 99)

**MISSION 752 \*** £495  
Cracking mid-price mini towers combined HDA drive units and metal dome tweeters with surprisingly warm results. Benign load characteristics makes them great for valves.

**MISSION 771** £170  
Characteristically fast, punchy Mission sound from the Aerogel mid/bass and silk-dome tweeter. (Jul 98)

# Billy Vee

## SOUND SYSTEMS

248 Lee High Rd, London SE13 5PL (Mon - Sat 10am to 6.30pm Closed Thurs & Sun)

# MIDI STYLE, HI-FI PERFORMANCE!

Call 020 8318 5755 to find out more...

Got something new for you, the man from Sugden said. A choice piece of engineering he held in one hand. The first of the Bijou range and did it sound good! Now, the rest is here and if you want small elegant boxes that please the eye, satisfy the soul and fit in a small space. This is for you, Yorkie bar Hi-Fi. Come and have an audition - and be amazed

- Local delivery and installation included in purchase price
- 3 year warranty for all Bijou Series products.
- Deferred and Interest Free Credit available at 0% APR - Call for details
- Masterclass & A21 series also available for audition



CD Master Player £1249

Head & Ampmaster £1148



**QUAD ESL 63\*** £3450  
A reference against which all other loudspeakers are judged, the '63s have superb imaging and genuine transparency.

**TANNOY AM58\*** £2700  
Build sounding pro active monitor with solid bass, clear midrange and delicious treble. (Aug 96)

**TANNOY MERCURY m2\*** £140  
A true audiophile bargain which embarrasses many more expensive boxes. Never mind the price, let your ears decide. (May 97)

## MINIDISC PLAYERS

**KENWOOD DM-9090** £500  
One of the best MD players yet. ATRAC 4.5 gives clean and very musical recordings from this Kenwood. (Jan 98)

**SONY MDS-JB930Q** £250  
Great mid-price machine that adds better build and facilities to the '530's already excellent sonics.

**SONY MDS-JA50ES\*** £1300  
This Sony can put the wind up Nakamichi cassette decks when used with better blank MDs. (Apr 98)

**SONY MDS-JE555ES** £520  
MiniDisc recorder  
The best sounding MD deck made so far, thanks to awesome build and heroic ATRAC-DSP Type R coding.



Alesis Masterdisk  
A glimpse of the future

**SONY MDS-JE510** £300  
An impressive sound and unmatched convenience make this MiniDisc player an excellent buy.

## DIGITAL RECORDERS

**ALESIS MASTERDISK** £1400  
A groundbreaking hard disc recorder with a built-in CD drive. An amazing bit of kit, and a glimpse of the future. (July 2000)

**KENWOOD DMF-9020** £500  
An excellent tool for home recording, combines convenience, superb sound and a fair price. (Aug 99)

**MARANTZ DR-17** £1100  
Probably the best sounding CD recoder on the market. Built like a brick out house with a true audiophile sound. HDCD compatible. (July 2000)

**PHILIPS CDR-765** £360  
One of the first twin deck recorders/players that boasts high speed dub facility. Playback could be warmer, but still a bargain. (Oct 99)

**PIONEER PDR-555RW** £480  
Excellent mid-priced CD recoder that both plays and records with equal panache. (Oct 99)

**SONY TCD-8 DATMAN\*** £599  
Super clean and detailed sound makes this an amazing portable. Not as robust as it should be though.

## DVD PLAYERS

**DENON DVD-5000** £1600  
Monster build, as you'd expect at this price. Facilities and gadgets galore and drop-dead high end looks. A very smooth and sophisticated sound, although not as good as similarly-priced CD players. (Mar 99)

**PIONEER DV-717** £700  
Well built and a solid performer, with a 'true' 24/96 digital output. Facilities in abundance and a controlled, exciting way with CD replay. Shame it lacks a Dolby Digital decoder! (Sep 99)

**SONY DVP-S725** £490  
One of the best buys in the DVD market. Available in a dodgy white case, but the facilities and performance more than make up for this. Excellent with both music and visuals, and a whole host of up to the minute facilities to keep you occupied. (Mar 2000)

## HEADPHONES

**JECKLIN FLOAT MODEL TWO** £99  
Wonderful panel-like and open sound from these esoteric-looking headclamps. Do not wear in public unless you like being made a fool of!

**SENNHEISER HD-490** £50  
Good value cans with an exciting and bassy sound. Everything one should look for in headphones at a sensible price.



Nordost Blue Heaven  
A simple and effective upgrade

## INTERCONNECTS

**CHORD COMPANY CHAMELEON 2** £90/m  
One of our favourite favourites, the Chameleons are musical performers with a smooth yet open sound.

**DNM RESON** £40/m  
Neutral and transparent, and a steal at forty quid!

**NORDOST BLUE HEAVEN** £150/m  
Some of the fastest and most transparent cable around. A simple and effective upgrade.

**VAN DEN HUL ULTIMATE THE FIRST** £260/0.6m  
Carbon interconnects that help you forget the electronics and concentrate on the music. Miraculous transparency.

## LOUDSPEAKER CABLE

**CHORD COMPANY RUMOUR** £9.95/m  
The Rumour is our reference at the price. Tight and tuneful bass mixed with air and space results in a cracking cable for the money.

**DNM RESON** £6.95/m  
This cable has a transparency of sound that's rarely heard at the price. Excellent value for money.

**NORDOST BLUE HEAVEN** £375/3m pair  
This isn't cheap, but it sounds absolutely fab. An open and spacious sound that simply carries music.

**Billy Vee**  
SOUND SYSTEMS

## SAVE ££££'S ON OUR DISPLAY CLEARANCE

SOME AS NEW WITH 1 YR WARRANTY. 24HR DEL ONLY £5. CHECK AVAILABILITY BEFORE ORDERING

CALL SALES: (020) 8318 5755 or 8852 1321 - 248 Lee High Road, London, SE13 5PL

0% APR is available on purchases of more than £660. Please call for details. \* Prices Correct at 12/12/00 E&OE

<b>AVI Biggatron Speakers</b> . . . . .	(599.00)	<b>£449.00</b>	<b>Naim CDI CD Player S/H ( 1Yr G/tee)</b> . . . . .	(1650.00)	<b>£929.00</b>
<b>Linn LK85 Power Amp S/H (1Yr G/tee)</b> . . . . .	(499.00)	<b>£375.00</b>	<b>Naim NAC 92/90 Pre-Power S/H (1Yr G/tee)</b> (978.00)		<b>£675.00</b>
<b>Linn LK100 Power Amp S/H (1Yr G/tee)</b> . . . . .	(650.00)	<b>£425.00</b>	<b>Naim Nait 3R Amp (1Yr G/tee)</b> . . . . .	(799.00)	<b>£599.00</b>
<b>Linn Genki CD Player S/H (1Yr G/tee)</b> . . . . .	(995.00)	<b>£650.00</b>	<b>Naim AV1 Surround Procs E/D (2Yr G/tee)</b> . . . . .	(1835.00)	<b>£915.00</b>
<b>Linn Keilidh Spkrs Rosenut inc Stands</b> . . . . .	(985.00)	<b>£729.00</b>	<b>Naim CDX CD Player E/D (2Yr G/tee)</b> . . . . .	(2335.00)	<b>£1639.00</b>
<b>Linn Kaber Active Spkrs/Cards S/H(1Yr G/tee)</b> (2850.00)		<b>£795.00</b>	<b>Naim NAC 82 Preamp S/H (1Yr G/tee)</b> . . . . .	(2360.00)	<b>£1650.00</b>
<b>Linn Isobarik Aktive Speakers (1Yr G/tee)</b> . . . . .	(3500.00)	<b>£995.00</b>	<b>Naim NAP 250 Power Amp S/H Old Style</b> . . . . .	(1350.00)	<b>£949.00</b>
<b>Linn 5103 AV Preamp - DTS (2Yr G/tee)</b> . . . . .	(4500.00)	<b>£3395.00</b>	<b>Naim NAP 135 Power Amps S/H (1Yr G/tee)</b> (3610.00)		<b>£2690.00</b>
<b>Naim NAC 72 Preamp E/D ( 1Yr G/tee)</b> . . . . .	(790.00)	<b>£499.00</b>	<b>Naim SBL Passive Speakers S/H (1Yr G/tee)</b> (2475.00)		<b>£1595.00</b>
<b>Naim NAP 140 Power Amp E/D ( 1Yr G/tee)</b> (815.00)		<b>£569.00</b>	<b>Naim SNAXO 2/4 Crossover S/H (1Yr G/tee)</b> (770.00)		<b>£475.00</b>
<b>Naim 102 Preamp S/H (1Yr G/tee)</b> . . . . .	(1145.00)	<b>£799.00</b>	<b>Nakamichi DR3 Cass/Deck S/H</b> . . . . .	(449.00)	<b>£249.00</b>
<b>Naim NAP 180 Power Amp S/H (1Yr G/tee)</b> (1155.00)		<b>£849.00</b>	<b>ProAc Tablette 50 Speakers</b> . . . . .	(599.00)	<b>£350.00</b>
<b>Naim HiCap Power Supply S/H (1Yr G/tee)</b> . . . . .	(760.00)	<b>£475.00</b>	<b>ProAc Response 2 Spkrs S/H (1Yr G/tee)</b> . . . . .	(1995.00)	<b>£1250.00</b>

# World Classics

## CASSETTE

### NAKAMICHI DR-2

A great machine with Nakamichi's legendary heads. The lowest cost 'true' Nakamichi at the time, retailing for £600.

### NAKAMICHI CR-7

The last of the great ones, and definitely the best Nakamichi ever (yes, better than a Dragon)

### YAMAHA TC-800G

Early classic in serious cassette. Its ski-slope looks got it a cult following once it had ceased to be simply ugly.

## CD PLAYERS

### MERIDIAN 207

Beautifully-built two-box with pre-amp stage. Very musical although not as refined as modern Bitstream gear. No digital output.

### PIONEER PD-91

Built-to-last player with easy upgrade routes for modifiers. Not knockout as it stands but get one cheap and have a go!

### CAMBRIDGE CD1

The first two box player with weighted mechanics and even an optional Dropout/error counter. Radical and effective at the time - a classic.

## AMPLIFIERS

### LEAK POINT ONE, TL12 & TL10

Ancestors of hi-fi, consequently expensive nowadays. As with all vintage valve stuff, overhauling is de rigueur before use, using original parts if possible.

### LEAK PRE-AMPS

Line of 'good for their time' pre-amps. Use of EF86 pentode valve for high gain rules out ultra performance. Not the highest-fi.



Garrard 401  
A legendary turntable.

### LEAK STEREO 20

Excellent workaday classic valve amp. In good order the 20 will not disgrace itself. Various upgrades are available from specialist repairers.

### LEAK TL12+

Plentiful monobloc equivalent of Stereo 20. Reasonably inexpensive and a tweekers' dream. Genuine valve hi-fi on a budget.

### NAD 3020

You can't argue with success! NAD's budget transistor integrated gave thousands their first taste of hi-fi and remains great value.

### QUAD 33/303 PRE/POWER

Great style and construction, also bullet proof. Warm and wooly sound, but easy going. A good introduction to early transistor audio classics.

### QUAD 22/II PRE/POWER

One of the all-time classic valve amplifiers. Unusual circuit but it works beautifully. 22 pre-amp not up to today's standards.

### SUGDEN A21

Seventies transistor integrated has an eminently likeable smoothness and musicality. Limited inputs via DIN sockets.

### TECHNICS SE-A5 Mk2

Nice transformer and electronics, shame about the casework. With tweaking, this 150watter can sound sweet.

## LOUDSPEAKERS

### KLIPSCHORN

Not exactly plentiful or cheap but a splendid beast. For efficiency they have seldom been equalled. Space hungry!

### LEAK SANDWICH

Rather warm sounding big infinite baffle but cheap with it. With a reasonably powerful amp can sound quite satisfying.

### LOWTHER PM6A

High quality full-range driver; still manufactured. High sensitivity, as fitted to many classic horn designs.

### MAGNEPLANAR SMGa

Touch dry in the bass but a technological loudspeaker with genuinely musical abilities.

### MISSION 770

Father of the 77 range which continues to this day. Well mannered with a warm sound and a kind load to amplifiers.

### QUAD ESL57

Unrivalled. Properly serviced there is nothing like them. Their natural presentation may make them caviar to the general.

### YAMAHA NS1000M

Hi-tech favourites of the Japanese and Americans. Viewed more warily in the UK but can give excellent results.

WORLD CLASSICS



**TANNOY GRF & AUTOGRAPH**

Folded horn monsters which certainly sound good if you have the space. For Tannoy vintage see HFW November 1998.

**WHARFEDALE SUPER 8 RS DD**

Ideal experimenters' driver. High sensitivity ~14,000 Gauss magnet and extended frequency range. Inexpensive too!

**TANNOY YORK, LANCASTER ETC.**

Many similar models of infinite baffle or reflex design. Not the last word in tautness but the drivers work well in modern cabinets.

**VINYL**

**ACOS LUSTRE**

Very honest piece of kit, well made and easily adjusted. Vinyl beginners could do very much worse.

**ALPHASON HR100S**

First class arm, up to present-day standards. Buy carefully, though, as there's no service available now.

**ARISTON RD11**

A one-time king of turntables very similar to the Linn LP12. Now deposited but worth a look at the right price.

**LINN AXIS**

Uncomplicated, lower-price version of the famous Sondek. Less expensive than some of its stablemates.

**GARRARD 301 & 401**

Legendary turntables, once fairly plentiful. Excellent back-up available; many different custom plinths available. High quality.

**GOLDRING LENCO 88 & 99**

Great deck for the kitchen table enthusiast. Garrard fans won't look at 'em but cheap and capable. Servicing available.

**HADCOCK 228**

Recently out-classed by Hadcock's updated 228 Special Edition but a proper hi-fi arm for all that. Makers still service.

**MICHELL FOCUS ONE**

20 years and still going strong. Early runner in the 'modern' turntable cycle with a first class arm. Factory servicing available.

**SHURE M75**

Recent line-contact improvements have left the M75 behind but the wide range of needles make it a handy tool.

**SME 3009 IIS**

Everlasting classic tone-arm. Spares permanently available from SME. No longer the last word but peanuts second-hand.

**THORENS TD124**

Best classic deck ever? Judging by the prices they fetch it's possible - 78rpm too!

**THORENS TD150**

Mid-price deck with a keen following. No real difficulty with servicing - novices may find the suspension system unnerving.

**TRIO L-07D**

Knockout heavyweight from 1980 with stainless bearing and 11lb platter! Not a give-away and beware! - spares scarce.

**TUNERS**

**LEAK TROUGHLINE (ORIGINAL)**

Interesting ornament but no longer hi-fi. Limited coverage of 88MHz to 100MHz only.

**LEAK TROUGHLINE II & III MONO**

Arguably the best-sounding tuners ever. Adaptation for stereo easy via phono multiplex socket.

**LEAK TROUGHLINE III STEREO**

Excellent tuner with indifferent stereo decoding circuit. Best when adapted to use modern outboard decoder.

**MARANTZ ST-8**

Possibly the ultimate Tardis console, including an oscilloscope for checking the strength of signal. Expensive even now.



# Trichord Research

Tel: +44 (0)1684 573524  
Fax: +44 (0)1684 577380

Convert your CD player to a high performance transport with our Digital Output Board  
Genesis Mk3 CD Player, Digital Turntable CD Transport, Pulsar Series One DAC with HDCD  
High performance 75 ohm Digital Interconnect suitable for CD and DVD Transports  
Upgrade your CD player with Clock 3 and dedicated Power Supply  
Mains Conditioners, Cables and Accessories

Visit our Web Site @

[www.trichordresearch.com](http://www.trichordresearch.com)



We are a  
Which? Web Trader  
[www.which.co.uk/webtrader](http://www.which.co.uk/webtrader)



A selection of our ever changing offers for sale (all fully guaranteed)

Equivalent New Price Sale Price

A selection of our ever changing offers for sale (all fully guaranteed)

Equivalent New Price Sale Price

AMPLIFIERS		
DNM 3C Primus Pre-Amp/Power Supply (See Star Product For Details) MINT/As New/With Crate	2550.00	1395.00
Metaxus Charisma Pre (M.M. / M.C. Phono-Stage) MINT / Boxed Etc / Sounds Superb	1600.00	692.00
Linn LK-1 Pre + Dirak Power Supply (M.M. / M.C. Phono-Stage) VGC / Boxed / Manuals	N/A	295.00
Linn Pretek Pre (with M.M. / M.C. Phono-Stage) VGC	400.00	179.95
Croft Vitae Valve Pre-Amp (M.M. Phono-Stage) The NEW Pre-amp (Superb at this price) Available to Special Order Only (Selling Very Well And Delivery Times Now Approx. 10-Days) NEW	Standard 350.00 Deluxe 400.00	
* (Timber Fascia / Brass Control Knobs) (Matching "Musica" Power Amp Now Available. Please Phone For Details)		
John Shearpe Phase Two Int. MINT / Boxed Etc	690.00	479.95
John Shearpe Phase Three Power Amp MINT / Boxed Etc	640.00	(Deposit On)
Quad 77 Pre / 77 Power / Remote Control Station MINT	1750.00	925.00
Quad 44 Pre-Amp (Buff) VGC / Manuals	600.00 +	229.95
Quad 405 I Power-Amp (2 x 100 Watts) VGC / Manuals	N/A	189.95
(Together With The 44 Pre For 389.95 Saving 30.00)		
Quad 33 Pre / 303 Power (2 x 45 Watts) VGC	N/A	175.00
Technics SU-C709 Pre-SE-A5095 Power (Virtual Battery / Remote Control) VGC	500.00 +	349.95
Meridian 101B (M.M. Boards) (Black) MINT (Rare Black Version)	N/A	149.95
Audiolab 8000A (DIN Version) MINT / Manuals	500.00	219.95
Musical Fidelity MVT Pre-Amp / Power Supply (M.M. / M.C. Phono-Stage) MINT / Boxed	1200.00	425.00
Musical Fidelity B-200 (2 x 70 Watts Mos-Fet Int. With Phono) GC	400.00	189.95
Musical Fidelity B-1 (2 x 40 Watts Int.) VGC	300.00	129.95
Musical Fidelity B-1 (2 x 40 Watts Int.) (Another One) VGC	300.00	129.95
(Buy The Two And Bi-Amp For £225.00)		
Rotel RC-972 Remote Pre MINT / Boxed (Deposit On)	275.00	179.95
Marantz PM-555E Remote (2 x 50 Watts Int.) MINT / As New / Boxed	200.00	109.95
AMC 3050A (2 x 45 Watts / Full Remote Etc.) MINT / Boxed Etc	300.00 +	119.95
Pioneer A-300 X Int. MINT / As New	230.00	149.95
Arcam Alpha 9P (2 x 70 Watts Power Amp) MINT / Like New / Boxed / Manuals	400.00	249.95
Ion Systems Obelisk 2 Int. (Phono-Stage) MINT / Manuals	300.00	169.95
Creek CAS 4040 Int. MINT / Boxed	180.00	99.95
Arcam A-60 (Original A&R) Excellent Condition (Red Oak)	300.00 +	89.95
Arcam A-60 (Original A&R) Very Good Condition (Teak)	300.00 +	79.95
Arcam A-60 (Original A&R) Slight Cabinet Damage (Black) (Bargain)	300.00 +	59.95

DIGITAL		
Toshiba P 500 / D-500 (Transport & DAC) VGC	1200.00	549.95
Meridian 602 Transport / 606 DA C (MSR Remote Control Station) MINT / Boxed / Manuals	3100.00	1195.00
Meridian 200 Transport / 203 DA C (Tri-Mod Clutch Three) MINT / Boxed / Manuals	1400.00	495.00
Meridian 566 DA C (24-Bit Modified By Meridian) MINT / Manual	1300.00	599.95
Rotel RCC-955 (5-Disc Multi-Player / HDCD) (2 in Stock) MINT / Boxed	525.00	
Technics SL-PS 840 (Remote Etc.) MINT	400.00	229.95
Mission Cyrus PCM II GC / Slight Marks	420.00	229.95
Q E D Digit / PS U (Digital to Analogue Converter) VGC	500.00 +	119.95
AMC CD-9 (Remote) MINT / Manuals / Digital Out	150.00	69.95
Audio Alchemy Da-In-The-Box (I.D.A.C.) VGC	250.00	119.95
Audio Alchemy Data-Stream Transceiver (Powered C/D Connection) MINT / AS NEW	200.00	89.95
Arcam Alpha GC / Digital Out Etc. / No Remote	350.00	139.95
Marantz CD-67 SE (Remote / Digital Out) MINT / Boxed	350.00	169.95
Marantz CD-67 II Original SE (Remote / Digital Out) VGC	350.00	189.95
DPA Little Bit (DAC) Digital To Analogue Converter MINT	520.00	219.95
Harman Kardon HD-7500 (Remote) VGC	150.00	129.95
Sony CDP-XE 900E (Remote) MINT / AS NEW	300.00	149.95
NAD Monitor 5000 (Digital Out) VGC	310.00	99.9

VINYL		
Notts Analogue Paragon-One (Linear Tracking Tonearm) VGC (Sounds Incredible If Your Patient)	1600.00	395.00
Thorens TD-280 / Stanton 680 Mk II Cartridge VGC (But Lid Tatty)	260.00	129.95
Mission Tonearm (Linn Fix) VGC	N/A	69.95
ADC 1600 Direct-Drive / Ortofon VM50-2E Cartridge VGC	300.00	109.95
Project 05 (Ortofon FF-1SE Cartridge) MINT But No Lid	170.00	89.95
Musical Fidelity XL-P2 (Phono-Block Phono-Stage / X-PSU) NEW and Superb (M.M. / M.C.) (Switchable Impedance) NEW (See Display)	399.90	
Audio Alchemy Vax-In-The-Box M.M. / M.C. Phono-Stage / Power-Station-One PS U VGC	250.00	129.95
Monacor SPR (M.M. Phono-Stage) NEW / Excellent Value	N/A	29.95
Audio Technica AT-OC 30 (Moving-Coil Cartridge) VGC / Boxed	620.00	249.95
Audio Technica AT-F5 (Siltan Modified) (Moving-Coil Cartridge) VGC / Boxed	125.00	90.00
Audio Technica 6006a (Safety Raiser) (Lifts Your Tonearm Smoothly At End Of Record Play) VGC	N/A	25.00

**PRODUCT OF THE MONTH**  
**DNM 3C Pre-Amplifier With Primus Power Supply**  
 Original Retail Price £2550.00 affordable-audio Price £1395.00  
 In MINT Condition With All Original Crates/Manuals/Accessories Etc.  
 "Sounds Superb"  
 Please Contact Paul For Further Details.

**Record-Cleaning Service Available Your Records Cleaned to Perfection on Moth Machine For £1.00 Each Including New Inner-Sleeve. (Maximum 10 at a time please)**  
**Turntables / Tonearms / Cartridges (M.M. / M.C.) "Urgently" Required**  
 Also any "Interesting" Vinyl Accessories. Clamps, Protractors, Stylus Scales, Cleaning Devices etc

**affordable-audio will happily "build" systems to your individual requirements, and if you purchase three or more components, i.e. (C.D. Player, Amplifier, & Loudspeakers), we will give you a 10% Discount on the total price Please enquire for further details.**

TUNERS		
Quad 77 FM (Bus) VGC	700.00	399.95
Quad FM-4 VGC	N/A	199.95
Quad FM-3 VGC	N/A	95.00
Revox A-76 FM VGC / Boxed / Manuals	N/A	199.95
Sugden R-21 FM VGC	N/A	80.00
Q E D T-231 VGC	N/A	59.95
Luxman T-88 V VGC	N/A	95.00

RECORDING EQUIPMENT		
Denon DRM 550 (HX-PRO Etc.) MINT / AS NEW	160.00	99.95
Marantz DCC-82 (Digital Recorder) MINT / Boxed / With Tapes (Good Selection Of Tapes Available)	650.00	179.95
Nakamichi RX-202E (Auto-Reverse Mechanism Etc.) VGC	N/A	399.95
Pioneer CTS-4405 (Dolby S Etc.) MINT / Boxed	200.00	180.00
Marantz SD-53 (HX-PRO Etc.) MINT	200.00	99.95
Arwa ADF-640 (3-Head / 2-Motor Etc.) MINT	300.00	89.95
Sharp MDMS-200 (Portable Mini-Disc Recorder / Headphones / Power Supply) MINT / Manuals	300.00	149.95
Yamaha K-320 (2-Motor / Dolby B/C) MINT / boxed		

LOUDSPEAKERS		
Audio Note ANE / D (94dB / 150 Watts / Bi-Wire Etc.) Rosewood L5 And Stands VGC / Boxed	1769.00	995.00
Audio Note ANK / D (92dB / 100 Watts / Bi-Wire VGC / Boxed	620.00	369.95
Monitor Audio Studio 12 (Rosewood) MINT / AS NEW / Boxed / Manuals	1100.00	695.00
Monitor Audio R-100 Minis (Black) VGC / Boxed	250.00	99.95
System Reference Monitors (Cherrywood) MINT	1500.00	795.00
B&W 802 Series 80 Monitors VGC (Deposit On)	2000.00 +	795.00
Kef Q-55 Floorstanders MINT / Boxed	500.00	379.95
Yamaha SW-90 (100 Watts Active Sub-Woofer) MINT / Boxed	130.00	99.95
Epos ES-22 (Cherry) Tri-Wire Etc. VGC / Cabinet Marks	1200.00	549.95
Arcady's ASC Stand-Mount MINT / Rosewood	400.00	249.95
Rogers AB-1 (Rosewood) (Sub-Woofer For LS-35A) VGC / Boxed / Manuals	499.95	199.95
Royd Minstral Bases MINT (Rosewood)	300.00	169.95
Royd Sapphire Minst (Bi-Wire Etc.) MINT	250.00	139.95
Musical Fidelity MC-2 (Bi-Wire) VGC	400.00	139.95
Mission 730 Floorstanders GC / Cabinet Marks	N/A	189.95
Mission 700 Minis VGC	139.95	79.95
Linn Kaber (Black) GC / Boxed	2000.00	595.00
Mordaunt Short Festival III MINT	350.00	129.95
Wharfedale Modus Two (Black) VGC	200.00	89.95

Lots of Loudspeaker Cables in Stock, both New & Used.

OTHER ITEMS		
Yamaha DSP-A2 Dolby Digital Remote Amplifier MINT / Boxed	695.00	479.95
Kenwood SS-3300 Remote Pro-Logic Processor (Centre / Rear Amps) MINT / Boxed Etc	250.00	89.95
Mordaunt Short Decoder One (Dolby Pro-Logic Decoder) MINT / Boxed Etc	400.00	79.95
Kef Q-95C Uni-Q Centre Speaker MINT	200.00	139.95
Pearl Coolers (8 x EL-34 Valve Coolers / Dampers) MINT	64.00	40.00
Target VR-5 Matt. Gold Stand (Glass Shelves) Ex-Demo	230.00	149.95
Target VR-4 Gloss Silver Stand (Glass Shelves) NEW Slight Second	230.00	189.95
Target B-4 Gloss Silver Stand (Glass Shelves) NEW Slight Second	243.80	189.95
Target T-2 (2xShell Spiked Stands) VGC (3 In Stock)	N/A	40.00 ea
Pirate 22" Heavy Spiked Stands VGC	14.4	79.95
Target HS-60 Piano-Black Spiked LS Stands NEW	105.80	89.95
Target HM-50 Spiked LS Stands NEW	90.30	79.95
Target SP-60 Spiked Stands MINT	60.00	35.00
Target 24" Spiked Stands (Electric Orange) MINT	90.00	50.00
Linn Kan II Stands MINT	N/A	60.00
Stands For LS-35a, Kans or Pro-Ac Tablette Etc GC	N/A	25.00
Sound Organisation L5 Wall Brackets MINT	N/A	25.00
Monacor SPS-35 Spike Kit (Gold or Anodised Black Finish) Loudspeaker Spikes NEW	Per 4	9.95
Monacor SPS-45 Spike Kit (Small) Loudspeaker Spikes NEW	Per 4	7.95
Monacor SPS-45 Spike Kit (Large) Loudspeaker Spikes NEW	Per 4	9.95
Musical Fidelity X-Cite Stacking Brackets For X-Series Components NEW (To Clear)	Per Pair	20.00
Roni L55 2 (2-Way Speaker Switch-Box) NEW	105.80	18.95
Ixos 204 Dual Entry Gold Banana Plugs (Hard Gold Plated) MINT	20.00	
Roni 4 mm Banana Plugs (Gold Plated) (Screw-Type-Don't Require Soldering) NEW	Per Four	6.95
Roni Optical Linc Cables (C/D / Minidisc to DA C Etc) NEW	10.00	
Audio Source Twin-axial Digital Incon 0.7 Metre / MINT	45.00	25.00
XLO/VDO Digital Incon 4 Metres / MINT / Boxed	70.00	39.95
Monacor 75 Ohm Digital Incon NEW	N/A	8.95
Nexera Gold 5-Pin DIN To 4 Phono NEW	N/A	9.95
Monacor SPS-20 Anodised Adjustable Polished Cone Equipment Supports NEW (Superb Spike System at a very good price) (Black Anodised Or Gold Finish)	Set of 4	19.95
XLR Cannon Linc-Sockets (Gold-Plated) High-Grade XLR NEW Only	N/A	5.95 ea
discwasher CD Radial Cleaner VGC / Boxed	N/A	12.00
discwasher Stylus Cleaner / Scope VGC	N/A	5.00
Parastatic Disc Preener VGC	N/A	5.00
Monacor Power Concept Incons (0.8M / 1.5M) Excellent Value Interconnects NEW (Blue And Black) Only 7.95 0.8M or 10.95 1.5M	90.00	59.95
Van den Hul CS-122 L5 Cable 2 x 2 Metres Terminated	Only 3.50 Metre	
affordable-audio Bi-Wire L5 Cable (In Brown or White) NEW	Only 1.25 Metre	
79-Strand L5 Cable (Black-Round-Section or White-Flat-Section) NEW	5.95	(Essential)
Monacor DC-100 Carbon-Fibre Brush NEW	5.95	
Various Plugs (RCA / DIN / Cannon Etc.) Various NEW /	5.95	P.O.A.

**PLEASE VISIT OUR WEB-SITE (UPDATED DAILY)**  
**WWW.affordable-audio.CO.UK**  
**E-MAIL: Sales@affordable-audio.CO.UK**

\*\*\* GOOD HIFI SEPARATES WANTED \*\*\*  
 Phone anytime with your wants, stock changing daily. All equipment is sold with warranties.  
**Don't forget we can offer mail order. All major credit cards accepted.**  
 We welcome part-exchange on any of the above.  
 Affordable Audio is always keen to buy, (or part-exchange) Good quality Hi-Fi separates in good condition. Especially top British manufacturers products!



**We can also sell your equipment for you on a commission basis. (Lowest rates/best return) (Please phone Paul for details!)**



www.hi-fiworld.co.uk

# hi-fi

WORLD

& computer audio

## WELCOME TO OUR MARKET PLACE

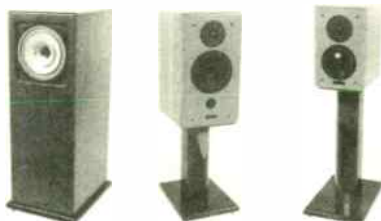
Here are a wide variety of specialist hi-fi products and services. Keep an eye open for regular advertisers, who know the market and serve their customers in a friendly and reliable manner.

# Apex Acoustics

AUDIO CONSULTANTS

## VERITAS - THE TRUTH

These speakers are beauty to behold and sound as good as they look. Cabinet construction is first class. Colours & finishes to grace any home this is the truth. Now on demo at Apex Acoustics!!



Prices from £1000.00 regardless of finish. Coming soon the new P400 poweramp.



**ECOSSE REFERENCE CABLES**  
All your 5 star favourites available. Phone for details

More cable hot news - van den Hul now available at Apex. The first ultimate D102111, CS122 Teatrack, Royal Jade etc. Phone for details and prices.

## 2001 A Space Odyssey

Global invasion has begun the pod has landed, yes we mean the Blueroom Minipod mini monitors, with a space age look and finish plus serious sound too. From single speaker to five speaker AV setup in great funky colours. Sputnik stands or Omni-wall mount the choice is yours.



**EINSTEIN OCTOPUS EIGHT WAY MAINS BLOCKS - BLACK OR CHROME FINISH. PRICES FROM £199.00**

### FIRST CLASS QUALITY SECOND USER EQUIPMENT

Micromega Data-Dialogue transport and Dac X10 digital interconnect (£3800.00)

£1925.00 o.n.o

Sony 777ES SCAD player. Ex. Dem £1400.00

Roksan LS2.5 pre S1.5 power and DS1.5 power supply silver £1650.00 o.n.o

Conrad Johnson PV10A and MV55 pre and power £1550

Loads of interconnects and cables available.

For appointments ring

Steve Mosedale

01527 450 500

Email: apexnm@aol.com

## Manley Amps At Apex!!



The Stingray 50Watt Integrated



Purist Pre-Amplifier

COMPACT MOTOR LOCKS



50Watt Monoblock



120Watt Monoblock

All on demo at Apex. These amps from Manley Labs U.S.A. are elected winner's no recount required! Prices from £1895.00

# Previously Cherished Items, Or something new from Choice

## Clearance Items

	Our Price	Original Retail Price
Audio Alchemy DQ3 2 CD Player	£3,995.00	£5,000.00
Audion Golden Knights	£1,495.00	£4,000.00
Exposure V Active + over (3 Way)	£2,995.00	£3,995.00
McCormack DAC	£3,995.00	£9,995.00
Micromega Tempo 2 Integrated	£3,995.00	£5,000.00
Pink Triangle Ordinal 1307	£3,995.00	£9,000.00

## New in This Month

	Our Price	Original Retail Price
<b>POWER AMPLIFIERS</b>		
Quad 806 Mk II amp	£595.00	£900.00
Copland CSA 14	£795.00	£1,295.00
YBA Passion Stereo	£0n Dem	£5,995.00
Krell FPB 300c	£8,500.00	£10,000.00
Krell FPB 200c	£7,500.00	£8,500.00
Sunfire 300 Power Amp	£1,795.00	£2,400.00

	Our Price	Original Retail Price
<b>PRE AMPLIFIERS</b>		
Mark Levinson ML390S	£3,995.00	£5,500.00
YBA Passion Pre + mc	£0n Dem	£5,995.00
Boulder 2010 Pre	£p.o.a.	£25,000.00
Conrad Johnson PV10 xl	£795.00	£1,100.00
ATC SCA 2 + remote	£1,895.00	£3,000.00

	Our Price	Original Retail Price
<b>SPEAKERS</b>		
JM Lab Micro Utopia	£0n dem	£3,300.00
JM Lab Mini Utopia	£0n dem	£4,500.00
JM Lab Mezzo Utopia	£0n dem	£7,300.00
B & W Nautilus 801	£8,995.00	£9,995.00
Ruark Crusaders	£795.00	£1,600.00

	Our Price	Original Retail Price
<b>CD PLAYERS &amp; DACS</b>		
Boulder 2020 dac	£p.o.a.	£24,000.00
California Audio Lab Sigma II dac	£1,495.00	£ -
California Audio Lab Delta Trans	£ -	£ -

	Our Price	Original Retail Price
<b>TURNTABLES, ANALOGUE, VARIOUS</b>		
Neckamichi DR 3	£225.00	£400.00

AV COMPONENTS/TV/Plasma  
New in stock Loewe Televisions & NEC & Electrophor Delphi plasma screens

## Power Amplifiers

	Our Price	Original Retail Price
Sugden Master Class	£1,995.00	£3,000.00
Mark Levinson 27.5	£2,950.00	£5,800.00
Plinius 50s	£0n Dem	£3,000.00
Krell FPB 250M Monoblocks	£7,990.00	£10,795.00
Krell FPB 200	£4,750.00	£7,000.00
Sugden Audition c	£599.00	£799.00
Musical Fidelity A1000	£395.00	£1,500.00
Musical Fidelity XASD Monos	£350.00	£500.00
Plinius 250	£0dem	£9,000.00
Audio Note Kasi	£14,950.00	£30,000.00
Lavardin Model IS Integrated	£1,495.00	£2,200.00
Boulder 500 AE	£3,495.00	£5,500.00
John Shearman Ref 5 Mono blocks (as new)	£1,395.00	£1,700.00
Adcom GF 565	£1,295.00	£2,200.00
Audio Note Hiemo (as new)	£7,995.00	£18,500.00
Audio Note Ongaku (new)	£395.00	£45,000.00
Audio Research Classic 150 M/blocks	£4995.00*	£12,000.00
Audiolab 8000 S	£550.00	£900.00
Burmester 850 Monoblocks	£1295.00*	£3,000.00
Cary 300 se LX20 Monoblocks	On Demo	£5,250.00
Cary 572 SE Monoblocks	£1,950.00	£2,350.00
Cary 805 C Monoblocks	On Demo	£7,995.00
Counterpoint SA12	£795.00	£1,400.00
Exposure IX Power supply	£795.00	£1,500.00
Exposure VIII	£450.00	£700.00
Jedea Dely 7 MK III	£2,950.00	£4,790.00
John Shearman Reference Phase 2 Integ.	£575.00	£799.00
John Shearman Reference Phase 3 Power Amp	£550.00	£749.00
Kenwood L1000C pre/ L1000M Power Amp	£1,495.00	£2,500.00
Krell FPB 300	£6,500.00	£9,990.00
Krell FPB 800	£8,995.00	£12,900.00
Krell KSA 250	£2,750.00	£3,700.00
Micrusa Intrams 6 (mt) X-demo	£1,795.00	£2,000.00
Naim 250 (Old Style, just serviced)	£795.00	£1,000.00
Sugden AU51	£395.00	£1,500.00
Pioneer A300 Int	£390.00	£1,600.00
Quad 77 Integrated	£450.00	£900.00
Rogers E40A (new)	£1,495.00	£1,848.00
Quad 306	£275.00	£400.00
Quad 405	£225.00	£ -
YBA 3x Pre/PWR	£1,495.00*	£2,400.00

\* Reduced this month

## Pre Amplifiers

	Our Price	Original Retail Price
Plinius 16L	£2,800.00	£3,200.00
Cello Audio Palette mi	£12,000.00	£28,000.00
Boulder LSAE	£2,495.00	£3,400.00
Krell KSL pre	£1,295.00	£ -
Sugden AU51 c Pre	£695.00	£1,000.00
Audible Illusions L1	£1,795.00	£2,000.00
Naim B2 Control Unit	£1,695.00	£2,300.00
C.A.T. ultimate reference Pre Amp Inc/ Phono Stage X-Demo	£5,195.00	£3,750.00
Tube Tech Super Pre Amp	£395.00	£600.00
Naim B2 + Super Cap	£3,300.00	£4,475.00
Audible Illusions P3A Pre MM/MC	On demo	£3,140.00
Audio Research LS9	£1,995.00	£2,500.00
Electrocompaniet EC 4.5 (new)	£995.00	£1,195.00
Exposure VII	£295.00	£800.00
Exposure XI pre XII psu	£795.00	£1,500.00
Jeff Rowland Consume + phono (3box)	£3750.00*	£9,000.00
John Shearman Phase 6 Pre	£995.00	£300.00
Mark Levinson No. 28	£2,250.00	£4,000.00
Meridian 541 Dolby Surround	£2650.00	£1,095.00
Naim 42.5	£1,995.00	£450.00
Naim Nec 72	£475.00	£767.00

\* Reduced this month

## Quality Speakers

	Our Price	Original Retail Price
Tannoy G.R.F.	£2,495.00	£4,000.00
Sonus Faber Guarnes + Stand	£3,895.00	£5,500.00
Cello Serafin (Active Speakers)	£8,995.00	£12,000.00
JM Lab Electra 913.1	£1,895.00	£1,895.00
Sonus Faber Grand Planos + Bases	£1,395.00	£1,900.00
Audio Physics Tempo III	£0n Dem	£2,000.00
Jamo Concert 8 Anniversary Piano Black	£1,395.00	£1,850.00
Cadence Arca	£8,995.00	£10,000.00
Naim SBL's	£1,695.00	£2,225.00
Cadence ES	£1,495.00	£3,500.00
Tanoy Westminster	£7,995.00	£16,000.00
BC Acoustics Fibre	£1,795.00	£1,100.00
ClearVox Magnifica	£9,500.00	£14,500.00
B & W CD M7	£995.00	£1,000.00
BC Acoustics Araze	£395.00	£1,000.00
Ensemble Speakers PA1	£395.00	£2,000.00
Acoustic Energy AE1 P/BK + Stnd	£795.00	£1,500.00
Acoustic Energy AE120	£350.00	£500.00
Alon Adriana (new)	Special	£10,000.00
Alon V MK III	Special	£5,500.00
Audio Physica Caldera	On demo	£10,000.00
Audio Physica Libra	X-demo	£4,799.00
Audio Physica Rhea Sub	£2,350.00	£3,099.00
Audio Physics Spark	On demo	£1,749.00
Audio Physics Stepa	On demo	£399.00
Audio Physics Virgo	On demo	£3,295.00
Audio Static DC1 + (Audi Saver)	£2,295.00	£4,250.00
Electrocompaniet Qube	£895.00	£1,400.00
Jamo SW3105 active sub	£495.00	£800.00
Mission 771 + Stands	£95.00	£170.00
Orville Swings	£795.00	£1,200.00
Rogers AE1 Sub (new)	£450.00	£599.00
Rogers L53V SA Black (new)	£4,995.00	£7,999.00
Rogers L555 (new)	£330.00	£430.00
Shahinian Arcs	£1,195.00	£1,875.00
Soundlab Quantum	£1,495.00	£2,400.00
Wilson Cubs	£4,995.00	£8,000.00
Wilson System5.1	£9,950.00	£18,000.00

## CD Players & DACS

	Our Price	Original Retail Price
Orbe/SME 5 Lyra Clavis	£2,995.00	£4,500.00
Pink Triangle De Capo & Battery p.s.u.	£1,795.00	£3,500.00
Advantage CD	£1,395.00	£2,000.00
Meracus Tanto CD	£1,195.00	£1,495.00
Cyrus Dac Master	£450.00*	£699.00
Cyrus Dac Master	£995.00	£999.00
Forsell Air Ref Transport MK II	£4,995.00	£6,000.00
Helios Model 3	£495.00	£700.00
Krell KAV 250 CD	£1,895.00	£2,599.00
Krell KAV 300 CD	£2,750.00	£4,250.00
Krell KPS 25cc	£18,995.00	£23,499.00
Marantz CD14	£1,295.00	£1,800.00
Mark Levinson 30.5/31	£11,500.00	£24,000.00
Mark Levinson No.39	£4,250.00	£5,000.00
Meridian 585	£1,495.00	£2,500.00
Micromega CD 3.1	£1,095.00	£1,995.00
Musical Fidelity X-ACT	£395.00	£130.00
Naim CDS 2 + XPS (unopened)	£4,995.00	£5,900.00
Oracle CD 2000 Transport	P.O.A.	£7,299.00
Pink Triangle De Capo	£795.00	£1,995.00
Teac P30 Transport (as new)	£1,895.00	£2,500.00
Teac P500	£395.00	£800.00
Theta Data Basic Transport	£1,195.00	£2,000.00
Theta DS Pro Basic D to A	£1,195.00	£2,200.00
Theta Data II Transport AT + link	£1,995.00	£4,000.00
YBA Integre	On Demo	£1,095.00

\* Reduced this month

## Turntables & Analogue

	Our Price	Original Retail Price
Musical Fidelity E50 Tuner	£199.00	£300.00
Ortoton MC7500 Cart. (NEW)	£1,495.00	£2,000.00
Nakamichi 202E	£295.00	£600.00
Musical Fidelity Explora	£325.00	£500.00
Tom Evans - The Groove	£0n Dem	£1,800.00
Clear Audio Reference Mc: phono stage X-demo	£1,695.00	£2,065.00
Tube Technology Mixt Phono Unit	£895.00	£1,100.00
Rega Planer 3 + Hi Fi News Out Board Power Supply	£320.00	£423.00
Rega Super-Exact Cartridge MM	£190.00	£248.00
Rolsan 10 Turntable with Artizim Tone ARM (black)	£ -	£ -
+ Shiraz Cartridge	£1,995.00	£3,200.00
Symphono phono stage X-demo MM/MC	£940.00	£740.00
Clear Audio Evolution + ARM	£995.00	£1,475.00
Dynavector XXII (as new)	£795.00	£1,000.00
Goldmund Ref Turntable	£8,895.00	£30,000.00
Helios Cylene Tonearm/ AHS 6 Wire	£995.00	£ -
Lavardin Reference Phono	£ -	£2,500.00
Linn LP12/LV11 Lingo Cartrus K9	£1,095.00	£2,000.00
Linn LP12/Lingo/Elkos/Arktiv/Cirkus	£2,250.00	£4,000.00
Michell Syncro RB300	£450.00	£ -
Musical Fidelity XLP2	£395.00	£495.00
Musical Fidelity XLP Phono Stage	£395.00	£149.00
Oracle MK V Turntable	P.O.A.	£4,199.00
Pink Triangle PT Too Ref Bearing/ platter/ clamp	£395.00*	£950.00
Quad FM4 Tuner	£395.00	£650.00

\* Reduced this month

## AV COMPONENTS

EAD Theatre Classic Processor/ Prologic D.T.S. AC3 + Transport	£3,995.00	£7,000.00
Denon AVC A10 AV Processor/ Amplifier	£1,195.00	£2,000.00

## TELEVISIONS & DVD PLAYERS BY LOEWE

Loewe DVD	On Demo	£495.00
Loewe Acorda	-	POA
Loewe Planus	-	POA
Loewe Xelos	-	POA

PLASMAS	-	POA
From NEC	-	POA
From Electrophor Delphi	-	POA

## STOCKIST OF:

- Acoustic Energy,
- Advantage,
- Alon,
- ATC,
- Audible Illusions,
- Audio Physics,
- Boulder,
- Bryston,
- Cary
- C.A.T.,
- Chord,
- ClearAudio,
- Denon,
- Dynavector,
- Eggston Works,
- Graham,
- Michell,
- Musical Fidelity,
- Oracle analogue and digital,
- P.M.C.,
- Plinius,
- Rockport,
- Shahinian,
- SME,
- Tara Labs,
- Target,
- Totem,
- Transfiguration,
- Trichord,
- Trilogy,
- Van den Hul,
- VPI,
- XLO,

DVD Players now available from Sony, Panasonic and Pioneer, and many more.

- In-depth experience on high end new and used equipment
- Best prices paid for top quality equipment
- Generous part exchange
- Show room/dem room
- Long term trade in policy, to allow continual upgrading
- All credit cards inc. Amex
- Mail order
- Export service
- Finance arranged subject to status
- Widest range available
- Unbiased advice
- Unique 'Hi-Fi Exchange' - a computerised database of sales and wants - will put you in touch

Choice hi-fi make it easy for you to fulfil your sonic dreams. Quality hi-fi is not just about expensive brandnames, it's about aspiring to the very best sound, about choosing your ideal system from the widest selection in the country, in a unique no-pressure environment. It's about taking advantage of our unrivalled knowledge and being given the freedom to choose and upgrade the audio equipment you want, when you want. Others may sell you hi-fi, Choice hi-fi will sell you solutions.

**choice HI-FI** tel **0208 392 1959 & 0208 392 1963**  
 fax 0181 392 1994 e-mail [choice\\_hifi@msn.com](mailto:choice_hifi@msn.com) open from 10am to 8pm by appointment  
 All previously cherished items in mint, second hand or as new condition - guaranteed



## CLEARANCE BARGAINS

		<u>WAS</u>	<u>NOW</u>
ANTHEM CD1 CD	XD	£1700	£1299
AVI NU-NEUTRON LOUDSPEAKERS	XD	£500	£399
AVI BIGGATRON LOUDSPEAKERS	XD	£600	£479
AVI S2000 MM MONOBLOCKS PAIR	XD	£1400	£999
B&W LM1	XD	£199	£179
CASTLE TAY LOUDSPEAKERS	XD	£350	£249
CHARIO ACADAMY 1	NEW	£1500	£1099
CHARIO ACADAMY 1	XD	£1500	£950
CHARIO ACADAMY 2	XD	£1750	£1199
CHARIO ACADAMY 3	XD	£8500	£4995
ELECTROCOMPANIET EC4R	XD	£1495	£1099
ELECTROCOMPANIET EC1-2 (STONE)	XD	£119	£799
HARMON KARDON HK630 AMP	XD	£230	£169
LINN KARIK	SH	£1800	£399
LINN NUMERIC	SH	£1800	£399
MARANTZ ARCH	XD	£499	£399
MARANTZ LAYLA	XD	£499	£399
MERIDIAN 500 CD TRANSPORT	XD	£1325	£1125
MERIDIAN 502 PRE AMP	XD	£1385	£1159
MERIDIAN 556 POWER AMP	XD	£950	£759
MERIDIAN 505 MONOBLOCK (EACH)	XD	£845	£679
MERIDIAN DSP5000 LOUDSPEAKERS	XD	£3885	£2999
MERIDIAN 200 CD TRANSPORT	SH	£800	£299
MICROMEGA MICODAC	XD	£499	£199
MICROMEGA MINUM AMP	XD	£350	£229
MICROMEGA SOLO	SH	£2500	£1299
NAD C320	XD	£199	£159
NAD C340	XD	£269	£229
PIONEER SX205 RDS	XD	£149	£119
TANNOY MERCURY M1	NEW	£119	£99
TANNOY MERCURY MC	NEW	£99	£79
TANNOY MERCURY M2	NEW	£149	£119
TEAC CD 3450SE	XD	£199	£159
TEAC PD D2500	XD	£149	£119
TRICHORD REVEALTION	XD	£899	£499

Plus a selection of TOTEM SPEAKERS and CITATION electronics -call for full details and prices

AVI, ANTHEM, BEYER, BOSE, BOULDER, CASTLE, CHARIO, CITATION, ELECTROCOMPANIET, EXPOSURE, GENESIS, HEYBROOK, JAMO, KEF, LINN, LUMLEY, MARANTZ, MARSTON, MERIDIAN, MICROMEGA, MONARCHY, MYRYAD, PRECIOUS METALS, PRIMARE, PROJECT, ORTOFON, QED, QUAD, RESTEK, REVQX, RUARK, SEQUENCE, SOUNDSTYLE, SONNETEER, SONICLINK, SENNHEISER, SONIC FRONTIERS, SME, TDL, TEAC, TOTEM, TRICHORD, TANNOY, TARGET, XANTEK

**MAIL ORDER HOTLINE 0208 876 3355**  
**WORLDWIDE MAIL ORDER +44 208 876 3355**

"MARANTZ IS NOT AVAILABLE ON MAIL ORDER, BUT ONLY TO PERSONAL CALLERS"



•The wondrous Sugden kit in stock

**S/hand and ex-demo clearance items - Feb'01**

**CD Players & DAC'S**

	Was	Now
Arcam Alpha 6 CD player (5 upgraded to 6)	426	199
Arcam Delta 70.2 CD player	599	179
Audio Alchemy DDE1.0V D/A Converter	399	99
Audio Note DAC 1 Valve DAC	650	350
Audiolab 8000 CDM CD player	799	499
Densen Beat 400 CD player (New & boxed) HDCD	1280	999
Jadis JD3 Deluxe CD Player/Transport	3600	1795
Kenwood 9010X Clock 3 moded Transport	N/A	275
Monrio 18B2 DAC	950	399
Monrio Bit Match Transport	950	499
Rega Jupiter Transport/lo DAC	975	750
Resolution Audio D92 24/96 Dac/Processor	1500	995
Resolution Audio VT960 DVD Transport	3500	1999

**Turntables Tonearms & Cartridges**

Benz Micro Ruby (New & boxed)	1500	899
Dais Turntable/Technics Tonearm / Supex SM100	N/A	299
Decca London Gold (J.Wright Re-Built/Podded)	N/A	250
Densen DP02 Drive MC Phono Stage	350	229
Garrard 401/Aphelion/RB300 (As New)	N/A	599
Garrard 401/Aphelion/SME 3012/V15	N/A	499
Kuzma Stabi S/Stogi S Turntable (6 months old)	1200	795
Linn LP12/Cirkus/Lingo/litok/OC30	2600	849
Mantra Manticore Reference/Musician/Eroica)	2100	995
Michell Syncro RB250/Grado Silver	749	399
Nottingham Analogue Paragon I Linear Tracking Tonearm	1600	395
Oracle Premier V/SME3/15 Turntable	3500	1599
Roksan Xerxes Piano Lacquer XPS 1 (SME Cut)	1295	450
Roksan Artemiz Tonearm (Latest version)	895	650
Roksan DS 5 Atessa PSU	549	399
Roksan Radius 3 Turntable (98)	470	250
Trio K500/SME 3009/V15	N/A	150

**Preamplifiers**

Audio Research LS3 Solid State Preamplifier	1899	950
Audio Research LS8 Valve Preamplifier	1499	899
Audio Research LS9 Remote Solid State (Ex-demo)	1999	1399
Densen DM20 Preamplifier	1380	899
DPA Enlightenment (New style)	799	499
Graaf WFB Two (New & boxed)	1750	1199
Mod Squad Line Drive AGT	599	299
Michell ArgoHR/Hera	N/A	475
Naim Audio 32 MM/MC Preamplifier	N/A	129
OCM 55 Preamplifier	995	399
Rega Cursa Preamplifier Remote/Phono	475	349
Roksan L1.5 Preamplifier (Silver)	2250	950

**Amplifiers**

Audiolab 8000S Integrated	900	529
Audio Note P2SE Valve Power Amplifier	1499	795
Audio Note P1SE Ltd Edition (Silver)	1600	849
Audion Sterling Integrated Line	799	449
Bartelomeo Transperenza ST140 Power Amplifier	1500	695
Densen DM10 Line Integrated	1450	950
DPA Enlightenment Pre/Power	1800	950
Graaf GM100 (New & boxed)	4450	3299
Graaf 50/50 Push Pull Power Amplifier (New & Boxed)	2100	1695
Graaf GM20 OTL Ex-Demo Re-Valved	2995	1995
Jadis JA80 Mono 60W Valve Amplifiers	9950	3499
Michell Alecto MK2 Mono Power amplifiers	1995	1599
Naim Audio NAP 250 (Oldy Style)	N/A	695
Naim Audio Hi-Cap (Old Style)	N/A	379
OCM 200 Power Amplifier	1599	799
Rega Big Brio Amplifier	298	199
Rega Luna Amplifier	375	245
Rega Maia Power Amplifier	475	349
Roksan S1.5 Power Amplifier (Silver)	1495	995
Quad II Anniversary Mono Valve Power Amplifiers	6000	2999
Unison Research Pentode 35 Valve Integrated (4x EL34)	1500	895

**Tuners & Tape Decks**

Symbol C DAB Digital Tuner (Ex-demo)	1000	750
Magnum Dynalab FT101 Analogue Tuner (New & boxed)	850	679
Revox B77 MkII fi track Hi-speed	2350	699
Rega Radio R Tuner (Ex-demo)	350	249
Roksan Caspian Tuner AM/FM (Ex-demo)	599	399

**Loudspeakers**

	Was	Now
Acoustic Energy Aegis 2 Beech	299	169
Audio Note AN-Z Two Floor standers (Black)	549	395
Audio Note AN-J/SP Light Oak Loudspeakers	1230	750
Audio Note AN-K/SP Light Ash Loudspeakers	1070	629
Diapason Karis Walnut 2 Way Monitor (New & boxed)	1250	950
Diapason Adamantes III & Stands (New & boxed)	2400	1899
Final 0.3 Hybrid Electrostatics (Ex-demo)	1500	1299
Indigo Centre	199	129
JM Lab Cobalt 805 Cherry	595	425
Magnaplanar SMG 3A Ribbon Panels	N/A	795
Magnaplanar SMG C SE Black	1199	599
Proac Tablette 2000 Light Oak	695	450
Royd Sourcerer Walnut	690	379
Velodyne TX810 Mk2 Subwoofer	695	379

**Cables & Accessories**

Audio Research BL1 Balanced Converter	888	399
Audio Sculpture 2m RCA Interconnect	380	149
Audio Sculpture 2x 3m Speaker Cable	235	99
Avvik B4 Tier Cherry Table	199	125
Air Sus Cherry Platform	169	99
Chord Odessey 4 Biwire 2x 4m	299	175
Deskadel 1m Interconnects WBT/RCA	300	150
Einstein Octopus 8 Way Mains Block (Ex-demo)	199	149
G-Flex Antivibration Feet Set of 4 M1	145	49
G-Flex Antivibration Feet Set of 4 M5	195	75
Lindsey Audiophile 2x 10ft Speaker Cable	249	99
Lindsey Audiophile 2m Satin RCA Interconnect	495	199
MIT 330 MKII Tube 1M Interconnects	299	149
Magnan 1m Balanced Interconnect	695	250
Madrigal HPC 2m Balanced Interconnect	310	149
Nakamichi De-Magnetizer	N/A	25
Tara Labs Master RSC Gen II 2x 3m Balanced	1250	499
Target B3 3 tier Table (New & boxed)	169	99
Stands Unique 5 Tier Cherry/Glass Stand (Ex-demo)	400	199
State Audio Stands 21"	489	199
Shakti Stones (New & boxed)	195	120
Shakti On Lines (New & boxed)	85	45
Sicommin Platform Made for AS)	99	45
Symo LS4X 4x3.5m Speaker cables	850	349
vdH CD 102 MkIII 1.M Interconnects RCA-RCA	149	65

*Midland Audio X-change is looking for good used British & American Hi-fi*

*cash paid call John Roberts on 01562 822236*

*Suppliers and installers of High*

*Quality Audio Systems*

47 Laboratory	: Graff
Accuphase	: Gryphon
Audio Note	: Lavardin
Audio Research	: Mark Levinson
Avid	: Martin Logan
Basis	: Michell
Cabasse	: Nagra
Cardas	: Primare
Clearaudio	: ProAc
Conrad Johnston	: Rega
Copland	: Resolution Audio
Dcs	: Sonus Faber
DNM / Reson	: Spectral
Einstein	: SPM
Electrocompaniet	: Sugden
Final	: UKD
Finite Elemente	:

**www.midlandaudiox-change.co.uk**

**call John Roberts Tel / Fax 01562 822236**

**181 Franche Rd • Kidderminster • Worcs • DY11 5AD**

**e-mail sales@midlandaudiox-change.co.uk**

**Mobile 07721 605966**

www.midlandaudiox-change.co.uk



# Grandix

## Sound & Vision

71 HIGH STREET, NEW MALDEN  
SURREY, KT3 4BT

TEL: 020 8336 0012  
FAX: 020 8336 2703

TEL: + 44 (0) 20 8336 0012  
FAX: + 44 (0) 20 8336 2703

WORLDWIDE MAIL ORDER

14 DAY HOME TRIAL - EXCHANGE SYSTEM • FULL DEMONSTRATION FACILITIES •  
0.0% INTEREST FREE CREDIT (subject to status) • PART EXCHANGE WELCOME • MON TO SAT

## CLEARANCE BARGAINS

		WAS	NOW		WAS	NOW
ACOUSTIC ENERGY AEGIS 2	XD	£250	£179	MARANTZ CD6000 KI	XD	£500 £399
ACOUSTIC ENERGY AEGIS 3	XD	£350	£250	MARANTZ CD6000 OSE	XD	£300 £225
ARCAM ALPHA 7 SE CD	NEW	£300	£249	MARANTZ DR6000 CDR	XD	£500 £379
AUDIO ANALOGUE BELLINI	XD	£495	£389	MARANTZ PM6010 OSE	XD	£230 £169
AUDIO ANALOGUE DONIZETTI	XD	£595	£395	MARANTZ PM6010 OSE K.I.SIG	XD	£400 £299
AVI NUNEUTRON	XD	£499	£389	MARANTZ SR5000	XD	£500 £349
AVI BIGGATRON	XD	£600	£469	MICHELL ISO	SH	N/A £99
AVI S2000 MC 24-BIT CD	XD	£995	£695	MONRIO ASTY CD	XD	£700 £495
ALR JORDAN NO 4	NEW	£1200	£719	MUSICAL TECHNOLOGY OSPREY	SH	£250 £125
ALR JORDAN TAKE 2	NEW	£1700	£995	MUSICAL TECHNOLOGY PM15	XD	£475 £229
ANTHEM INT2 AMP	XD	£1800	£995	NAD C520 CD PLAYER	XD	£170 £129
ATC SCM10 YEW	XD	£1240	£849	OPERA DUETTO	SH	£395 £275
AUDIO ANALOGUE PAGANINI	XD	£750	£599	PIONEER PDR509 CDR	XD	£300 £219
AUDIO ANALOGUE PAGANINI CD	XD	£750	£569	PROJECT 1.2	XD	£200 £149
AUDIO ANALOGUE PUCCINI R	XD	£575	£459	ROTEL RA-931 MK2	XD	£189 £139
CASTLE HOWARD S2 MAHOGANY	XD	£1299	£799	ROTEL RA-972	XD	£450 £349
CASTLE SEVERN 2 SE	XD	£699	£499	ROTEL RB 971 MK2 PWR	XD	£250 £179
CHARIO ACADEMY ONE	XD	£1450	£799	ROTEL RCD951	SH	£375 £269
CHARIO ACADEMY TWO	XD	£1700	£919	ROTEL RCD991	XD	£825 £599
CHARIO ACADEMY THREE	XD	£8500	£3995	SONIC FRONTIERS TRANSPORT 3	XD	£7000 £4500
CREEK OBH-11	XD	£129	£89	SONNETEER ALABASTER	XD	£900 £599
CRIMSON 610c PRE	SH	£450	£250	SONNETEER BYRON CD	XD	£800 £599
CRIMSON 620c PWR	SH	£450	£250	SONNETEER CAMPION	XD	£600 £399
CRIMSON 630c MONOBLOCKS (PAIR)	SH	£850	£450	SONNETEER SEDLEY	XD	£400 £299
DIAPHASON ADEMANTES III INC STANDS	XD	£2450	£1795	SONUS FABER CONCERTO W	XD	£945 £729
ELECTROCOMPANIE ECI-3	XD	£999	£749	TANNOY MX2	NEW	£150 £99
HARMAN KARDON AVR200	XD	£400	£249	TANNOY MX3	NEW	£230 £149
JBL XT120 (BEECH)	XD	£400	£299	TANNOY REV R1	NEW	£199 £129
JBL XT140 (BEECH)	XD	£500	£379	TANNOY REV R2	NEW	£400 £265
KEF Q35	SH	£350	£125	TANNOY REV R3	NEW	£550 £399
KENWOOD DPF3030-S	XD	£180	£129	TANNOY CANTERBURY 15HE	XD	£8500 £4995
KENWOOD KAF303R-S	XD	£250	£175	TANNOY SATURN S8	NEW	£700 £450
LINN CLASSIK 2	XD	£995	£749	TEAC AV H500	XD	£380 £249
LINN GENKI CD	XD	£995	£749	TEAC REFERENCE 300	XD	£599 £449
LINN KEILIDH (BLACK)	XD	£750	£579	TEAC REFERENCE 500	XD	£799 £599
LINN KOLEKTOR PRE	XD	£495	£375	TEAC V8030S TAPE	XD	£650 £489
LINN LK 85 PWR	XD	£495	£375	TEAC V6030S TAPE	XD	£550 £399
LINN PEKIN TUNER	XD	£545	£429	TEAC P30 TRANSPORT	XD	£2500 £1729
MARANTZ CD6000	XD	£250	£179	UKD SIMPLY TWO	SH	£1000 £599

EX = EX DISPLAY, SH = SECOND HAND, NEW = BRAND NEW BOXED

MASSIVE CABLE CLEARANCE NOW ON ... UP TO 50%  
OFF CABLETALK, AUDIOQUEST, IXOS, QED, VAN DEN  
HUL, NORDOST, SONICLINK AND MORE.  
CALL FOR DETAILS

ATC SCA2 PRE + ATC SPA2-150 PWR AMP C/W  
REMOTE CONTROL, EX DISPLAY  
NEW £6519 CLEARING AT £4560

AGENCIES INCLUDE: ACOUSTIC ENERGY • AUDIO ANALOGUE • AVI • ATC • ANTHEM • APOLLO • ATACAMA • AUDIOQUEST •  
ALPHASON • BEYER • CASTLE • CABLETALK • CREEK • COPLAND • CYMBOL • CHARIO • DIAPHASON • EPOS •  
ELECTROCOMPANIE • GRADIENT • HARBETH • HARMON KARDON • HEYBROOK • IXOS • INFINITY • JBL • JAMO • JM LAB •  
KRELL • LINN • LOEWE • MARANTZ • MICROMEGA • MICHELL • MUSICAL TECHNOLOGY • MYRYAD • MONRIO • NAD • NORDOST •  
OPTIMUM • ORTOFON • OPERA • PIONEER • PANASONIC • PRECIOUS METALS • PROJECT • QED • ROTEL • REDGUM • RESTEK •  
SME • SHURE • SONY • SONUS FABER • SENNHEISER • STANDS UNIQUE • SOUND ORGANISATION • SONICLINK •  
SONIC FRONTIERS • STAX • SOUNDSTYLE • SONNETEER • SUGDEN • TANNOY INC PRESTIGE • TDL • TEAC • TECHNICS • TOTEM •  
TOWNSEND • UNISON RESEARCH • VAN DEN HUL • VIENNA ACOUSTICS • YBA AND MORE

WE REGRET WE ARE UNABLE TO MAILORDER MARANTZ AND LINN PRODUCTS

# THE EMPORIUM

28 St Nicholas Street, Diss, Norfolk IP22 3LB

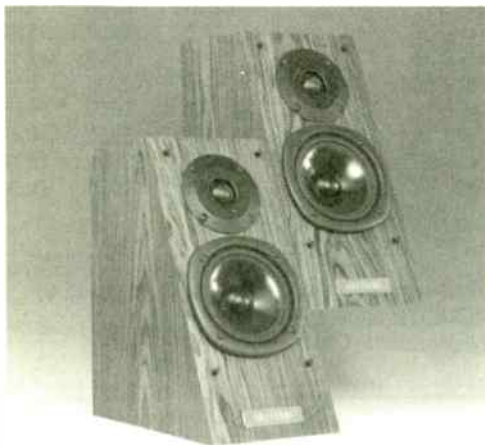
Tel/Fax 01379 650744 email: [emporium@dircon.co.uk](mailto:emporium@dircon.co.uk) www: [www.emporium.dircon.co.uk](http://www.emporium.dircon.co.uk)

VALVE AMPS		COST PRICE		NAIM NAC125		COUNTERPOINT DA10 SE11 top transport / dac combo	
AMC valve integrated budget 25 watt amp		1000	250	NAIM phono boards 40 pounds/pair suit 32, 42, 62, etc	75	CYRUS DA/D7 CD PLAYER top loader	5000 1750
AUDIO INNOVATIONS CLASSIC 25		1500	300	NAKAMICHI A3 integrated amp	175	CYRUS DISCHASTER DACMASTER	2200 400
ART AUDIO QUINNET stereo power amp		1500	700	PASS LABS ALEPH 3 stereo power amp	2000	DENISEN CD PLAYER	1000 1000
AUDIO INNOVATIONS 300 integrated with phono		1050	200	PINK TRIANGLE PIP TWO PREAMP two box with dry cell psu serviced last year	2000+	DPA bigger bit	700 250
AUDIO NOTE Y2 RIFA phono stage EX DEM		1500	750	PIONEER AP 135 watts	1000	KRELL STUDIO DAC 24bit 32x oversampling	4560 1000
AUDIO NOTE p2se power amp		1500	750	PLINUS SA 50 MkIII class A power amp boxed	2800	MERIDIAN 506 20 bit cd player	1200 750
AUDIO NOTE P4 monoblocks		4200	2300	QUAD 34/306 pre/power amp grey	400	MERIDIAN 206 DAC7 CD PLAYER	375 150
AUDIO NOTE ZER0 pre/monoblocks silver finish ex dem with full warranty		800		QUAD 306	200	PIONEER PD9300	2500 200
AUDIO RESEARCH SP11 mk2		5311	1650	QUAD 405 Mk1 180 Mk2 220		ROTEL 980 TRANSPORT & DAC	2500 1000
AUDIO RESEARCH D115		1000		QUAD 77 pre carbon with system remote mint boxed	1100		900 350
AUDIO SILVER NIGHTS		2250	1200	KRITEL RC972 RD 971 remote pre/power (reserved)	250	<b>TURNABLES, ARMS &amp; CARTRIDGES</b>	
AUDICION PREMIER line preamp		800	500	SUGDEN C128SL PREP28 Power 100 WATTS	800	AUDIONOTE ARM (fits Voyt)	1300 350
BEARD BBA100 line integrated		1500	450	SUGDEN A71 ORIG MODEL WITH WOODEN SLEEVE (reserved)	135	ALPHASON SONATA with ATLAS pu and HR1005 arm	2000 750
CONRAD JOHNSON PVS PREAMP with phono (needs service)		2000	800	SUGDEN A48B approx 7 years old nice amp	200	ALPHASON SOLO + BASIK arm	450 150
COUNTERPOINT SA100 100 watt valve/mosfet hybrid excellent sound		2000	700	SUGDEN A51 original class A power amp with CS1 pre	350	ARISTON RD11 ELECTRONIC with arm	200 200
CROFT MICRO/V5		1500	650	TECHNICS SL-C2000/SE-A2000 PRE POWER, 200 watts	1800	GARRARD 301 in green marble plinth with SMEV arm	1400 1000
GAMMA ERA REFERENCE preamp with phono		3500	1500	TC2A 22 class A power amp	1900	KEITSU RED SIG boxed sounds lovely. I'd keep it if I didn't have one already	750 250
GOLDEN TUBE AUDIO SE 40		1100	600	<b>LOUDSPEAKERS</b>		LINN AXIS	250
HBC 'BEASTIE' 211 single ended amp		1500	1500	APOGEE CALIPERS in taupe/beige colour	3000+	LINN LP12/BASIK/Linn cartridge	300
LUMLEY M75 monoblocks 75 watts		800		ATC SC110 black boxed ex dem	1080	Ortofon spu et GOLD	300
LUXMAN CL 32/MQ 3600 valve pre/power		1000		AUDIOGRAM ELE 1 electrostatics slim and elegant	2500	LINN LP12/LINGO/EKOS	1300
NELOS 211 two box pre with phono		3000	900	AUDIOPLAN KONTRAST MARK 2	2800	LINN LP12/LINGO/TITOK	900
MORE FIDELITY 3008 single ended stereo power amp		2200	700	AUDIONOTE AN 2 TVCS cherry new on demo	500	LINN LP12/SME 1009 imp	325
QUICK SILVER MONOBLOCKS KT88		750		BANDOR BANDORA in light oak	1350	LINN LP12 / ITTOK VALLHALLA	550
RADFORD STA 25 RENAISSANCE		600		CASTLE SEVERN Mk 1 floorstanders	579	MICHEL GYRODECK SE/RB300 latest version as new boxed	700
RADFORD RENAISSANCE SC25 Pre Amp		450		CELESTION 5000 with ribbon tweeters	700	ORTOFON MC30 SUPREME box	8000
ROSE RV23 valve pre with phono		300		CHARLO HYPER 2 with matching stands	1800	ORTOFON T20 transformer	150
ROTHWELL PASSIVE PRE indus		250		DAI GRAND COUPE	2500	PINK TRIANGLE with Helius Scorpio arm	350
SONIC FRONTIERS SF5 40 POWER AMP		2000	850	DIESIS SOLTUAIRE	1200	PINK TRIANGLE LITTLE PINK THING with RB300	300
SOUND DESIGN line pre, bargain crisp sound		2000	200	EPOS E14	275	ROCKPORT CAPPELLA turntable	12500 9000
TRILGY 948 stereo power amp		3500	2500	EPOS E15 mint and boxed cherry	500	with ROCKPORT 7000 arm, Ex. Dem.	200
VAC AVATAR new, remote controlled		1000	400	KEF 105 Mk1	500	REGA PLANAR 3/RB250/AT110E	100
VTL deluxe preamp (with phono)		1500	600	KEF LS3/5A Raymond Cooke Ltd Edition piano black	2500	Reqa 3 no arm	100
VTL MONOBLOCKS				KLIPSCH LA SCALAS, black, deluxe, boxed	1250	SME 30/2 with v/d Hul wired SMEV	8000
<b>TRANSISTOR AMPS</b>				LINN ISOBARIKS black with stands	3000	SOTA SAPHIRE with Helius Orion arm	1300
ALBARRY AP4(mm)/S 508 PRE/POWER		850	450	MERIDIAN D660 active speakers	1500	THORENS TD 125/SME 3009 IMPROVED in thorens plinth	170
ARCAM ALPHA old model		80		MISSION 754 FREEDOM boxed	1125	THORENS TD 160 SUPER with LINN BASIK	125
ARCAM ALPHA 3		500	300	ORIGIN LIVE RESOLUTION with stands	650	<b>CABLES</b>	
ARCAM DELTA 290 with phono		2350	1200	ROGERS BBC LS3/6	800	Please note original prices are approximate. I can't be bothered to look them up	
AVI 5200IMP/5200IMP pre & monoblocks 150 watts		1000	500	ROYD ABBOTT	2000	COGAN HALL Ref 11.5 ft	500
AVI INTEGRATED		1300	500	RUARK TALISMAN	850	COGAN HALL Alto 2.9m	350
AUDICLAB 8000C/P pre/power grey colour		675		SONUS FABER CONCERTO GRAN PIANO	2500	AUDIO QUEST STIRLING hyperlytic 2M spades	800 400
AUDICLAB 8000C/P pre/power nice late black pair		200		SONUS FABER ELECTA AMATOR 2 & stands	2500	XLO TYPE S 1.5m spades tightens up a krell amazingly	800 400
AUDICLAB 8000A grey		1500	400	SONUS FABER GUARNERI with stands	2500	STRAIGHT WIRE MAESTRO 0.5M XLR	300 150
BURMESTER 638 MKV phono stage silver front		400	250	TANNINOY D700 floorstanders boxed	7500	GOERTZ available ring for details	
CYRUS STRAIGHT LINE integrated amp		650	250	TANNINOY ARDENNS with serviced HPDs	30	OCOS DC SERIES 8 2.2m single/bi or tri wire 50	100 150
CYRUS TWO with PSX		400		UKD CANUSO Ltd Edition, four way floorstanders		PURIST AUDIO COLOSSUS 1.9M water filled spades	650 300
CRIMSON 610 battery powered Pre/630 monoblocks grey finish		1400	300	YAMAHA ES-80 surround speakers	200	VAN DEN HULL SC54 serious heavy silver cable 1.5M	3000 700
DKP DSP2005 pre amp		5735	2900	<b>TUNERS, CASSETTE DECKS &amp; REEL TO REEL</b>		YAMAHA FS-2T15S PC-OCC 3.5m bananas and 2mm	800 300
HEYBROOK C393 Pre/Power with Teak cases		3200	2000	AKAI GX95 Mk2	850	VAN DEN HULL gold 1.2m PHONOS	800 300
KRELL KSA1005		1500	600	ARCAM DELTA 100 cassette deck	450	chord to anther S FIN DIN	300 150
LAVARDIN IT line integrated		1000	450	ARCAM ALPHA 3 TUNER	60	SONIC LINC CABLE RANGE NOW IN STOCK	
MARK LEVINSON PH12 preamp		1000	400	FERROGRAPH SP1M FM Tuner	120	In addition to the above we have loads of cheap stuff - come and have a look!	
MERIDIAN 101/103 monos boxed		800	400	LEAK TROUGHLINE III STEREO	200	<b>NEW EQUIPMENT available for Home Demo</b>	
MERIDIAN 101/103 pre/power		200		LINX THETA FM tuner	200	distributors for	
MERIDIAN 201 pre		650	350	MERIDIAN 204 FM tuner	350	<b>HMA "The Beastie" 211 SINGLE ENDED POWER AMP from £1500</b>	
MISSION CYRUS TWO & PSX		2000	1200	NAKAMICHI BX2 cassette deck	180	<b>AUDIONOTE ZERO SYSTEM LAVARDIN IT AMPLIFIER LAVARDIN IS AMPLIFIER</b>	
MONARCHY 100se 100 watt monoblocks single ended class A boxed as new		650	300	QUAD FP13 tuner	90	<b>WANTED all decent hi-fi in good condition especially SMEV and V NAIM Mk.2P NAIM 250 QUAD 3444/FM4/405 CD66/CD 67 77TUNER LEAK STEREO 20 TANNOYS incl single 12 gold. TANNYO AUTOGRAPHS \$10,000 PAID</b>	
MOTH 60 WATT power amp wood mint boxed		100		REVOK A77 mk4 2 track with Dolby nice two track	250		
MUSICAL FIDELITY SYNTHESIS		700	350	REVOK b77 mk2 2 track	500		
MUSICAL FIDELITY THE PREAMP		100		TEAC X-10R, reel to reel 4track stereo	400		
MUSICAL FIDELITY E100amp		100		YAMAHA CR 600 silver with wooden case	100		
NAIM NAC 32		150		YAMAHA ES1000 surround sound processor/AMP	150		
NAIM SNAPS		350		<b>CD &amp; DACS</b>			
NAIM NAIT 3		300		ARCAM DELTA 170 transport	750		
NAIM NAP 90 / NAP 90		each	300	AUDIO ALCHEMY DIGITAL DRIVE 3 transport	700		
NAIM 32/110 old style		350		AUDIOMECA mephisto top loading CD transport	2400		
				AUDIO NOTE DAC3 SIGNATURE	2850		
				CAMBRIDGE TRANSPORT	1000		

# ARCAVDIS

HAND CRAFTED SPEAKERS TO SUIT ALL MUSICAL TASTES AND POCKETS

## ARCAVDIS ASC



As reviewed by Richard White  
Hi-Fi World June 99

## ARCAVDIS AS2

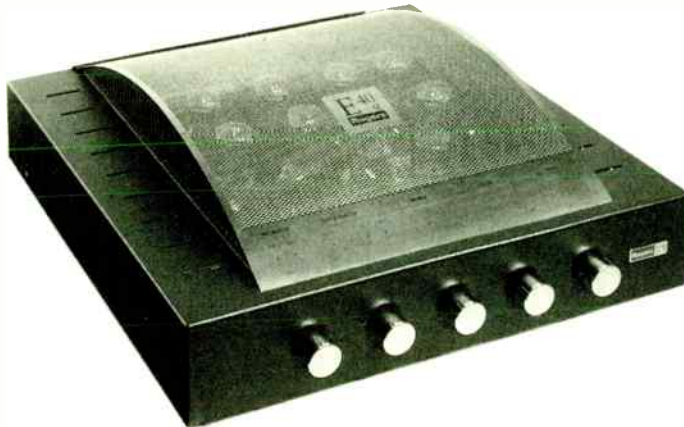


As reviewed by Simon Pope  
Hi-Fi World October 99

Unit 4 -19 Lisle Avenue, Kidderminster, Worcs, DY11 7DF  
Tel: 01562 865 788 Fax: 01562 865466



## Special Offer 1



Rogers E-40a Improved Pure class 'A' valve amplifiers. Special IMPROVED version by Audio Note UK. You get the stunning sound quality of the original E-20a but with double the power output! Improvements include factory pre-set bias adjustment, gold plated input / output connectors and world renowned Audio Note sound quality.....

These very high quality, stylish integrated amps feature four line inputs plus a high quality phono stage. The E-40a Improved is suited to low, medium and high sensitivity loudspeakers, and of course it's the ideal amplifier for driving the LS3/5a and AB-1 combination.

Superb value: 40 watts per channel of top quality pure class 'A' amplification at a bargain price ( the last list price was £ 1,898.00 ! )  
VERY RARE AND COLLECTABLE !

Brand new and supplied in sealed boxes, with 12 months warranty:

each: £ 1,088.00

## Special Offer 2



Harbeth LS3/5a special Rosewood Limited Edition Version ( Alan Shaw signature ).  
Brand new and supplied in manufacturers sealed boxes with 12 months warranty

per pair: £ 688.00

Please note: These are the very rare and collectable final production run version of the LS3/5a loudspeaker, featuring gold tweeter mesh and lucky '8' suffix serial numbers, originally built for the demanding Far Eastern markets. Limited stocks, so don't miss out on this extra special offer.

Available exclusively from *Stirling Broadcast*.

Add a pair of AB-1 bass extenders in Rosewood for only £ 338.00

## Special Offer 3 Amazing value package deal:

Rogers E-40a Improved with Harbeth LS3/5a Limited Edition Rosewood and AB-1 bass extenders in Rosewood ( original price for this combination was £ 3,257.00 ! )

Package price: £ 1,998.00

**Stirling Broadcast** Charter Alley, Basingstoke, Hants. RG26 5PX

**Phone: 01256 851001 Fax: 01256 851144**

www.**audio-shed**.com

Probably the UK's best on-line hi-fi shopping centre

**Free phone**

**Free advice**

**Free delivery**

**Free install**

**Free thinking**

**Some things in black & white do make sense**

**Free yourself**

**0800 169 7079**





**MANTRA AUDIO**  
Specialist Suppliers of Audio Accessories  
[www.mantra-audio.co.uk](http://www.mantra-audio.co.uk)

**CARTRIDGE SELECTION STYLUS**

<b>Goldring</b>			
1006	£63	£45 EX	£45
1012 GX	£81	£60 EX	£60
1022 GX	£108	£75 EX	£75
1042	£126	£90 EX	£90
Eroica LX/H	£117	£81 EX	£81
Elite	£225	£158 EX	£158

**EX - Exchange price for a Goldring  
Any make/model of cartridge accepted**

<b>Audio Technica</b>			
AT 95 E	£22		£14
AT 110 E	£27		£14
AT DC 9 ML	£300	£226 EX	

<b>Denon</b>			
DL 110	£75	£59 EX	
DL 304	£200	£170 EX	

<b>Grado</b>			
Prestige Black	£44		£24
Prestige Gold	£134		£74

<b>Ortofon</b>			
510 Mk II	£34		£22
MC 15 Super II	£120	£102 EX	
MC 25 FL	£226	£190 EX	
MC 10 Supreme	£283	£240 EX	
MC 20 Supreme	£355	£300 EX	
MC 30 Supreme	£420	£358 EX	
Rohmann	£779	£690 EX	

<b>Shure</b>			
SC 35 C	£35		£27
V 15 V XMR	£285		£190

**REPLACEMENT STYLUS**

<b>Swiss Quality Diamond Stylus</b>			
ADC	XLM Mk III		£14.00
Alkai	AN 5, AN 60		£10.00
	AN2, AN 70		£12.00
Dual	DN 145 E, DN 165 E		£14.00
Goldring	G800 Super E		£14.00
JVC	DT 55, DT 60		£10.00
National	EPS 24 CS, P 30 D, P 33 D		£10.00
Ortofon	FF 15 E II, VMS 20 E II, DM 20		£14.00
Pioneer	PN 210, PN 220, PN 240		£10.00
Shure	N 75 C, SC 35 C,		£10.00
	N 75 ED T2, N 75 EJ T2		£12.00
	N 95 ED, N 95 EJ, N 75 3 (78)		£14.00
	VN 35 E		£16.50
	N 95 HE, N 97 HE, VN 35 HE		£22
Sony	ND 142 G, ND 150 G, ND 155 G		£10.00
	CN234		£12.00

\*\*\* OVER 500 STYLUS TYPES STOCKED \*\*\*

**Order direct from our  
Secure Online Catalogue**

**HEADPHONE SELECTION**

<b>GRADO</b>			
<b>Prestige Series</b>			
SR-60			£75
SR-80			£90
SR-125			£135
SR-225			£180
SR-325			£270
<b>Reference Series</b>			
RS-1			£590
RS-2 (new)			£425

**All CARTRIDGES SUPPLIED BY MANTRA AUDIO ARE GUARANTEED  
AUTHENTIC NEWLY BOXED ORIGINALS AND CARRY A FULL  
DISTRIBUTORS AND MANUFACTURER'S WARRANTY  
EX - designates factory exchange price against any Audio Technica, Denon,  
Goldring or Ortofon moving coil cartridge**

MAIL ORDER (1-10 DAYS) PRICES (INC P&P)+ INSURANCE FOR UK DELIVERY -£5 FOR EUROPE DELIVERY & £10 FOR  
US/WORLDWIDE DELIVERY TO COVER INSURANCE ON ORDERS OVER £50 VALUE

Tel/Fax (01757) 288652 e-mail: [enquiry@mantra-audio.co.uk](mailto:enquiry@mantra-audio.co.uk)  
MANTRA AUDIO (HFW), 22 GARTH AVENUE, NORTH DUFFIELD, SELBY, NORTH YORKS YO8 5RP

**WILLIAMS HART  
ELECTRONICS**

**HART ELECTRONIC KITS TRADED FOR OVER 30 YEARS  
10% OFF ALL ORDERS RECEIVED DURING DECEMBER**



80Watt Mosfet Stereo Power Amp Kit  
110Watt Mosfet Monoblock Power Amp Kits  
ONE OF THE BEST AMPLIFIERS YOU WILL HEAR! Regardless of price  
ON DEMO @ Wigan, Southend, Peterborough and Burnley



Single Ended Class A Valve Sound  
15Watt Power Amp modules  
FOR THOSE WHO WANT THAT VALVE  
MIDBAND BUT BASS AND TREBLE TO MATCH



ACTIVE R/Control SUBWOOFER MODULE £177.30



Range of speaker Kits  
Passive and Active

TO CLEAR: WILMSLOW PRESTIGE SPEAKERS finished in dark oak £2199

Advertise your Hi-Fi on my website (£2.50 admin charge)  
Also: Award Winning Phono Stage Kit, Active Crossover Modules, Speaker Dials Units,  
M Cap Capacitors, Cables, Restorers, Remote Control Volume and much more.

WEB SITE [www.williamshart.com](http://www.williamshart.com) e-mail: [williamshart@classicfm.net](mailto:williamshart@classicfm.net)

or Tel/Fax for catalogue 01942 253647 121 Long Lane, Hindley Green, Wigan, WN2 4XD

PERSONAL VISITORS SHOULD PHONE FIRST TO AVOID DISAPPOINTMENT

Run by former Technical Director of Wilmslow Audio



**Are you making the right connections?**

Send for Britain's biggest catalogue of  
specialist cable and connections.

All available by mail order.  
Phone 020-8942 9124 or clip  
the coupon for your Free copy

**CUSTOM CABLE  
SERVICE**

PO Box 4007, London SW17 8XG

Please send me your FREE Custom Cable Catalogue

Name \_\_\_\_\_

Address \_\_\_\_\_

Postcode \_\_\_\_\_

NO FURTHER INFORMATION REQUIRED

Send to: Custom Cable Service  
PO Box 4007  
London SW17 8XG

HFW 02/01



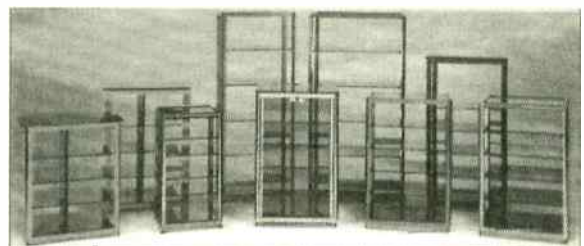
**Sound Investment**

If you have invested expertise and  
money in building up a sound system  
to your own unique specifications,  
then why compromise with indifferent  
housing units?

Fi-Rax offers a new dimension in  
audio visual racking - from a range  
of standard designs to the flexibility  
to custom create a unit to suit your  
particular sound system and lifestyle.

- \*High quality aluminium construction.
- \*Finishes available to your choice.
- \*Fully adjustable 6mm glass shelving.
- \*Sound isolation on shelving/feet.
- \*Custom created to suit your system.
- \*Free delivery throughout the UK.

Fi-Rax - a sound investment for those  
who want the best from their  
equipment.



**Audio Visual Furniture**

For further information or a free brochure contact: JEM Distribution,  
Springfield Mills, Spa Street, Ossett Wakefield WF5 0HW.  
Tel: 01924 27626 Fax: 01924 270759

# AUDIOJUMBLE

## “2001” Ninth Year

Annual sale of vintage and modern hi-fi equipment at:-  
The Angel Leisure Centre  
Tonbridge, Kent

**Sunday 18th February 2001**  
**10.30am - 4.30pm**

Stalls £25-00 Admission £3-00  
9:30am Early entry £10-00  
Bookings/Enquires 01892 540 022

Large Cafeteria serving hot and cold meals all day main line  
railway station within walking distance

**\*VALVE AMPS\*TUNERS\*RECORDS\***  
**\*SPEAKERS\*COMPONENTS\***  
**\*BOOKS\*CASSETTE DECKS\***  
**\*TAPE RECORDERS\*C.D. PLAYERS\***

# IAN HARRISON HI-FI

TEL: 01283 702875

9am- 9pm

INCLUDING SUNDAYS

HIFI AT DISCOUNT PRICES. FREE NATIONWIDE DELIVERY

TRADE IN YOUR OLD MOVING COIL CARTRIDGE & SAVE UP TO 45% OFF THE RRP.

CARTRIDGES & STYL	TONEARMS	CASSETTE DECKS	COMPACT DISC
DENON SHURE AUDIO TECHNICA GOLDRING SUMIKO TRANSGURATION LONDON (DECCA)	ROKSAN SOUTHER GRAHAM MOTH CLEAR AUDIO	PIONEER TEAC SONY DENON YAMAHA MARANTZ TASCAM	PIONEER TEAC SONY DENON YAMAHA MARANTZ
ARCAM GRADO ROKSAN VAN DEN HUL ORTOFON AUDIO NOTE RESON CLEAR AUDIO KOETSU	<b>TURNTABLES</b> ROKSAN MICHELL CLEAR AUDIO	<b>DAT</b> TASCAM SONY FOSTEX PANASONIC	<b>TUNERS</b> SONY DENON PIONEER YAMAHA MARANTZ
<b>LOUDSPEAKERS</b> HARBETH SONY ROYD	<b>HIFI FURNITURE</b> APOLLO SOLIND STYLE PROJECT SOUND ORGANISATION ALPASON	<b>MINI DISC</b> SONY DENON	<b>DVD</b> SONY DENON
<b>HEADPHONES</b> SENNHEISER BEYER SONY AKG GRADO AUDIO- TECHNICA	<b>CABLES</b> ARGENTO AUDIO SONIC LINK AUDIOQUEST VAN DEN HUL GOLDRING QED ORTOFON NORDOST	<b>CDR</b> PIONEER	<b>AMPLIFIERS</b> DENON MARANTZ PIONEER SONY SONIC LINK & OTHERS
<b>TEST CASSETTES</b> TEST CD'S TEST RECORD OPUS 3 *PHONE OR WRITE FOR DETAILS	<b>BLANK TAPES / DISCS</b> TDK SONY MAXELL BASF	<b>ACCESSORIES</b> DISC WASHER MILTY QED GOLDRING TDK	<b>*ALL GOODS ARE BRAND NEW &amp; BOXED WITH FULL U.K. GUARANTEES. NO EX/DEM OR EX DISPLAY GOODS. NO GREY IMPORTS.</b> MAXELL SONY ANTIFERRENE MAXVIEW PIVOTELLI

PLEASE PHONE TO CONFIRM PRICE & AVAILABILITY PRIOR TO ORDERING. GOODS ARE NOT SUPPLIED ON APPROVAL. SORRY, NO GENERAL CATALOGUES. PLEASE PHONE OR WRITE FOR SPECIFIC REVIEWS, BROCHURES OR PRICES.

MAIL ORDER ONLY FROM: IAN HARRISON, 7 MILL HILL, REPTON, DERBY, DE65 6GG. TEL: 01283 702875. 9am - 9pm INCLUDING SUNDAYS.

## PREVIOUSLY OWNED AND EX DISPLAY HI-FI EQUIPMENT

36-38 Park Rd, Peterborough. PE1 2TG  
Tel 01733 897697  
[www.sevenoakshifi-peterborough.co.uk](http://www.sevenoakshifi-peterborough.co.uk)

### PREVIOUSLY OWNED EQUIPMENT

Acoustic Energy AE 120 (beech, £600.00)	£ 349.00
Arcam Alpha 9 CD player	£ 499.00
Audiolab 8000 LX	£ 349.00
Audiolab 8000 A	£ 299.00
Audiolab 8000 P (Grey)	£ 399.00
Aura T-80 Tuner (gloss black, £350.00)	£ 179.00
Naim SBL (black, upgraded Feb 99')	£ 999.00
Rega Kyte	£ 119.00
Sony STR DB925 A/V receiver	£ 249.00
Talk Electronics Storm 1 Int. amp (£500.00)	£ 349.00

### EX DISPLAY EQUIPMENT

Acoustic Energy AE1 II NEW Cherry or Rosemah (£999.95)	£ 699.95
AE1 stands also available from stock	£ 349.95
AVI Nu-neutron (cherry)	£ 399.00
Monitor Audio Studio 20se Choice of finishes (£2200+)	£1299.00
Monitor Audio Studio 50 (£3300)	£1499.00
Monitor Audio Studio 60 (£5000)	£2499.00
Roksan Kandy CD player	£ 399.00
Rotel RSP 966/RB 985II DD/dts processor/5 ch power amp (£1400)	£1099.00
Talk Electronics Thunder 3 CD player (silver, £1000.00)	£ 849.00
2 x 5 metre lengths of Audioquest Midnight biwire (£475.00)	£ 359.00
Loewe VV 4236H VCR (£300)	£ 249.00
Seleco SVP 350 projector inc. 6 ft electric screen (£4206)	£3299.00

All "previously owned" equipment comes with a minimum of 3 months warranty, and all "ex display" equipment comes with a minimum of 12 months warranty. These warranties cover parts and labour but not carriage costs.

## Audio Synergy



LIMITED AVAILABILITY

The HeadMaster is a new headphone pre-amplifier manufactured by SUGDEN. Not only will it satisfy the demands of headphone users, it is also a high quality Class A pre-amplifier with three inputs, tape-out/pre-out and is fully relay switched. The case construction is solid aluminium plate, finished in superb black chrome.

Contact us now for further details  
Audio Synergy Limited  
Tel. 01924 406016  
email [audiosynergy@easynet.co.uk](mailto:audiosynergy@easynet.co.uk)

NEWS FLASH! ERGO headphones now available in the UK. Made in Switzerland these headphones are simply the best. Prices start from £149.00 for the Model 1.



We are best known for our single-ended 300B power amplifiers and power supply upgrades for valve amplifiers, but did you know that we supply complete systems, new and used equipment, and components? We also provide support and servicing for Audio Innovations valve products. For full information visit [www.borderpatrol.net](http://www.borderpatrol.net) or ring 01273 276716.

# passion, grace & fire

[www.borderpatrol.net](http://www.borderpatrol.net)

**Selected products from:**

BorderPatrol • Living Voice • SME • Audio Note • Cartridge Man • Goldring  
Western Electric • Electrofluidics

BorderPatrol Brighton UK  
Tel/Fax +44 (0)1273 276716  
e-mail: [bp@borderpatrol.net](mailto:bp@borderpatrol.net)  
[www.borderpatrol.net](http://www.borderpatrol.net)



**BorderPatrol**



## Vacuum Tubes for Audio Are Back!

*Glass Audio* brings together yesterday's tube with today's improved components, voltage control, and the exciting new Soviet tubes, to make smooth sound in your livingroom possible again!

**YES!**

Please send my first issue of *Glass Audio*. I'll pay just \$45.00 for six issues (1 year); \$80.00 for 12 issues (2 years) of the best information on tubes to be found anywhere. I understand that my satisfaction is guaranteed!

Name \_\_\_\_\_

Street & Number \_\_\_\_\_

City \_\_\_\_\_ Postal Code \_\_\_\_\_

Country \_\_\_\_\_

REMIT IN US \$ DRAWN ON A US BANK ONLY. PRICE GOOD THROUGH DECEMBER 31, 1995.

We Accept MC/VISA.

***Glass Audio***

PO Box 176, Dept. HFWS, Peterborough, NH 03458-0176 USA  
Phone: (603) 924-9464 or FAX 24 hours a day (603) 924-9467

# RETRO REPRODUCTION



The Outstanding V20 Integrated Amp

\*\*\*\*\*EXCLUSIVE SCOTTISH DEALER\*\*\*  
for  
E.A.R./Yoshino, Croft, Cary, Nottingham Analogue, Creek, Triangle, B.C. Acoustique



Small but perfectly formed MC3

\*\*\*RETRO REPRODUCTION\*\*\*  
Is now offering a restoration service for Quad & Leak valve amps at very reasonable prices phone for more details

V20  
Introducing Tim De Paravicini's latest masterpiece, the outstanding V20. Using no less than 20 ECC83 triodes operating in Class A with no overall feedback, the result is the most natural and uncoloured sound available today.

HI-FI NEWS: Ken Kessler: 'What I think we're witnessing here is Tim De Paravicini's finest moment and that's scary, when you consider that even his disasters are better than most designer's triumphs!'

WHAT HI-FI: Verdict \*\*\*\*\*

Leading French magazine Diapason voted the V20 Amplifier of the year. To hear what all the fuss is about phone now for a personal home demonstration

## Used Equipment For Sale

Quad 34, mint, boxed	£195
Quad 405, excellent condition	£185
Linn Ittock arm, excellent condition	£295
Musical Fidelity T1 FM tuner.	£145
Marantz CD75,	£75
Cary 572 SE monoblocks, boxed	£1495
Goldmund Parallel tracking tonearm, Model SL5, boxed	£495
Gamma Rythm integrated amplifier	£795
Audio Research SL7 preamp, as new	£795
EAR V20 integrated amp bargain price	£1795
Klyne SLK-1 Moving coil step up	£295.00
Crimson Pre & Power 2 years old	£375.00
Niam Nait 3 int amp	£395.00

Mission 753 Freedom black	£395.00
Arcam 9 int amp with matching 7 Tuner fully remote	£450.00
AMC Subwoofer fully adjustable	£195.00
Tannoy 10" Gold with Lockwood Studio 1 cabinets	£395.00
Lowther Acousta with PM6 drive units	£395.00
VPI Turntable with TNT Platter, Motor unit, Bearing & Output line Conditioner, Piano Black	£1250.00
A&R Cambridge A60 Amp	£75.00
A&R Cambridge Power Amp	£125.00
Arcam Alpha 7 Tuner	£175.00
XTC Power 1 2/4 channel Power Amp	£995.00
XTC Single ended Class A Remote Pre	£595.00
EAR 834P	£235.00
Meridian 200 Transport with Trichord Clock 3 System	£395.00
Concordant Quad Mint Condition	£495.00
Quad 77 Power Amp With 77 Pre & Remote	£695.00
Gamma Rhythm 211 int valve amp with phono stage	£1195
SME 309 Tone boxed new	£495
Trilogy valve MC head amp	£195
Tube Technology Prophet 2 box and pre with phono stage	£795
Onyx integrated amp with Tuner	£295
Neat Petite loudspeaker black boxed	£295
Mission Cyrus 2 last edition (mint)	£150
Denon CA202 DP-3000 DD Turntable	£250
Luxman Z501 Class A Power Amp	£195
ATC SCM 20 spks walnut	£895
Heybrook Sextet Ribbon tweeter rosewood	£595
Michelle QC power supply	£325
Audio Research D250 power amp 20x 6550 Awesome	£1995
Tannoy III LZ 10" Monitor golds	£350
Fisher x 100 Integrated valve amp	£145.00

\*\*\*CROFT PRODUCTS\*\*\*  
Croft's new Vitali Valve Pre with Phono Stage an ideal partner for Vintage Amps or a upgrade from solid state £350.00

MC3  
Producing the very best from vinyl has long been a black art and it's no wonder with so many permutations involved. Most people agree that Moving Coil cartridge design is technically superior than the Moving magnet but demands much more from it's ancillaries, especially the phono stage.

E.A.R./Yoshino have just launched the MC3 Cartridge Transformer with a band width of 3Hz-100kHz, facilities for a wide range of quality cartridge outputs and twin isolated earth terminals for maximum noise reduction.

The MC3 captures all the subtleties from the most complex recording without resorting to thrusting or spitting it out. Its extreme clarity and grainless presentation makes for a superb vinyl experience.  
ART DUDLEY: Leading American hi-fidelity critic.

'I'm impressed with the MC3, and from a musical point of view, I think it's worth every penny of the price. Those of you who have tube-based systems & can afford it should pester your local dealer until he lets you take one home and try out Value/Quality \*\*\*\*\*

Rodgers Cadet III valve amp mint	£145
EAR 834 L valve line stage	£275
Pye FM Tuner valve with rose gold finish	£95
Leak stereo 60 mint & professionally rebuilt	£595
Meridian 602 Transport	£595
Meridian 601 PRE/DAC	£595
Meridian 604 Tuner	£695
Meridian 605 Monoblocks	£950
Leak Stereo 30 amp mint	£50
Quad II pair various	£350
Leak TL12+ pair	£350.00
Revox B77 Open Reel mint	£495.00

## \*NOW DEMONSTRATING\*

LEN GREGORY'S AMAZING MOVING IRON CARTRIDGE ON THE NEW NOTTINGHAM ANALOGUE CARBON SPACE ARM

New Showroom now open

28a Haddington Place Edinburgh EH7 4AF

Phone/Fax 0131 558 9989 Open 11.00am - 5.30pm - closed Monday & Sunday

\*HARMONIC TECHNOLOGY SINGLE CRYSTAL CABLE\*  
NOW IN STOCK "AT LAST I HAVE A CABLE TO DO ALL THE THINGS THE MANUFACTURE CLAIMS AND AT A RIDICULOUS LOW PRICE" PHONE FOR MORE DETAILS



2nd User Hi-Fi & audio

## PRE-OWNED EQUIPMENT

ACOUSTIC ENERGY AE2 BLACK WITH HEAVY AE STANDS	£795
ACOUSTIC ENERGY AE520 ANTIQUE CHERRY BOXED AND IMMACULATE	£695
ARCAM ALPHA CD PLAYER	£169
AUDIOLAB 8000A GREY BOXED-LOOKS LIKE NEW!!!	£199
AUDIOQUEST TYPE 4 SINGLE WIRE SPEAKER CABLE 2x5M AQ TERMINATED 4MM	£35
AUDIOQUEST QUARTZ INTERCONNECT 0.5M	£49
DENON DCD-S10 MKII GOLD	£795
DENON DRS-810 3-HEAD CASSETTE DECK	£199
DENON DVD 5000 MULTI REGION MOD GOLD IMMACULATE	£1199
DENON DRS 610 HORIZONTAL LOAD CASSETTE DECK	
ION OBELISK 2 INTEGRATED AMPLIFIER	£169
KEF Q55 BLACK ASH LOUDSPEAKERS	£299
KEF CADENZA WITH TARGET STANDS ALL BOXED AND VGC	£179
LINN SONDEK LP12 WITH BASIK PLUS TONEARM AFROMOSIA	£499
LINN LK1/SPARK/LK275 JUST BACK FROM LINN SERVICE	£699
LOEWE PLANUS 100 HZ 29" COLOUR TELEVISION	£699
MERIDIAN 602/606 BOXED AND IMMACULATE	£1495
MERIDIAN 200 TRANSPORT	£495
MICROMEGA T-DAC	£499
MICROMEGA STAGE 5 CD PLAYER	£449
MISSION 751 FREEDOM LOUDSPEAKERS BLACK ASH	£275
MONITOR AUDIO MA1800 REF GOLD BOXED AND IMMACULATE	£895
MORDAUNT SHORT MS 3.50 S3 BLACK ASH LOUDSPEAKERS	£329
MUSICAL FIDELITY X-ACT	£89
MUSICAL FIDELITY B200 INTEGRATED AMP	£159
NAIM NAC 72 PRE-AMP	£479
NAIM 92/90.3 6 MONTHS OLD AS NEW CONDITION	£849
NAIM NAP 250 NEW-UNUSED BOXED ETC.	£POA
NAKAMICHI 480 2-HEAD CASSTTE DECK RECENTLY SERVICED	£149
PINK TRIANGLE EXPORT/SME 309/AT OC7 BLACK ASH	£995
PIONEER PL12D MKII ROSEWOOD SHURE CARTRIDGE BOXED IMMACULATE	£59
PROJECT DEBUT TURNTABLE/ORTOFON	£79
QUAD ESL 63 BLACK ASH WITH SHORT STANDS	£1495
REGA ELA LOUDSPEAKERS BLACK ASH	£299
REGA PLANER 3 WITH REGA CARTRIDGE BOXED SUPERB CONDITION	£199
ROTEL RCD 950 CD PLAYER	£139
RUARK CRUSADER II YEW WOOD - 2 DAYS USE. AS NEW	£1495
SME III's ARM BOXED WITH ALL ACCESSORIES	£99
TAG McLAREN T20 TUNER 6 MONTHS OLD AS NEW	£599
XLO TYPE 1 1M PHONO TO PHONO	£149
XLO TYPE 6A SPEAKER CABLE 2x2M XLO GRADE TERMINATION	£299
XLO ER12 SPEAKER CABLE 2x2M XLO SPADE TERMINATION	£99

PROFESSIONAL RECORD CLEANING SERVICE - KEITH MONKS MACHINE - PLEASE RING FOR FURTHER DETAILS AND PRICES.

THREE MONTH WARRANTY ON ALL ITEMS

WWW.SOUND-STAGE.CO.UK

# Sound Music

"Pssst! Forget the shiny facias and the bright lights and remember the music".

You can fill your home with award-winning hi-fi and still not get all of the music you deserve.

Our expertise is at your disposal, to ensure you do!

Open the door to a whole new beautiful world of music.

Contact us : Sound Of Music,  
93-95 Nantwich Road,  
Crewe, Cheshire. CW2 6AW  
Telephone : 01270 214143  
Fax : 01270 254143



cartridges

- denon
- dnm
- goldring
- lyra
- ortofon
- sumiko

cables

- audioquest
- cable talk
- chord company
- dnm
- heybrook
- ixos
- kontak
- lfd
- nordost flatline
- ortofon
- qed
- sonic link
- trichord
- van den hul
- xlo

headphones

- beyer
- ergo
- grado
- jecklin
- sennheiser
- stax

stands

- alphason
- frameworks
- sound org'n
- something solid
- soundstyle
- stands unique
- target

accessories

- audioquest
- creek
- densen demagic
- discwasher
- earmax
- goldring
- ixos
- kontak
- michell
- milty
- monarchy
- moth
- musical fidelity
- nordost
- pixall
- qed
- rms
- shure
- trichord
- zerostat

hardware

- ate
- audio physic
- audio synthesis
- bow technology
- densen
- harbeth
- michell
- nva
- nordost
- primare
- qln
- royd
- sequence
- sugden
- teac
- thorens
- totem
- trichord

# audio, cables and accessories available by post

(post haste)

phone, fax or write

for latest price list

/ newsletter



## Second hand & ex dem deals

Audiophysic Spark 2 loudspeakers. Cherry veneer. Excellent condition, boxed. Originally sold by Signals, one owner S/H (£1700) £850

QLN 606 loudspeakers. New model, substantial floor standing loudspeakers. (£579) X/D £250

NVA AP50 amplifier, X/D (£610) £375

Unison Research Simply 845 integrated triode line level valve amplifier. Boxed, excellent (£2950) £1500

Audiomeca Mephisto SE II CD transport. Fitted with balanced and single ended digital outputs, Trichord Clock 3 / PSU S/H. (£2900) £1200

Trichord Pulsar DAC. HDCD, balanced digital input. Latest spec (OSCONs etc). S/H, excellent (£1295+) £575

## new deals (while stocks last)

### Sugden

Audition C with remote control and equalisation SRP £1000 available at £725  
Audition P (matching power amplifier to allow bi-amping) SRP £549 available at £430 ... or buy both together for £1100.

### ATC

SCM 10 SL loudspeakers. New in walnut, black or rosewood veneer (£1000 - £1200). Available for £650

SCM 20 SL loudspeakers. New in ANY veneer (see below). RRP was £1999, available for £1050 if purchased with ATC amplifier, £1300 on their own. Finishes available: black ash, cherry, rosewood, yew, walnut, burr walnut, birdseye maple, antique oak, ebony.

SCM 20SL towers in walnut, rosewood or black ash: Passive £1800 Active £3000

SCM 50 SL in walnut, black ash, rosewood, ebony or burr oak: Passive £3200 Active £5200

Nordost Red Dawn Rev 1 speaker cable. Call for prices



hi-fi for grown-ups



ipswich (01473) 655171  
signals bucklesham  
ipswich suffolk IP10 0DY  
fax (01473) 655172  
email: enq@signals.uk.com  
signals.uk.com



# MUSONIC STYLI

SPECIALIST MANUFACTURER &  
SUPPLIER FOR MORE THAN 40 YEARS

REPLACEMENTS & ORIGINALS

MANY OBSOLETE/78 VERSIONS

PICK-UP CARTRIDGES

RECORD/TAPE/CD ACCESSORIES

WHY NOT TRY US AND HEAR THE  
DIFFERENCE !!

For prices tel/fax/e-mail to:-

MUSONIC (UK) LIMITED  
Unit 13 Wenta Business Centre Colne Way  
Watford Hertfordshire WD24 7ND

Tel: 01923 213344 Fax: 01923 213355

E-mail: sales@musonic.co.uk

Website: www.musonic.co.uk



Trade and Export enquiries welcome

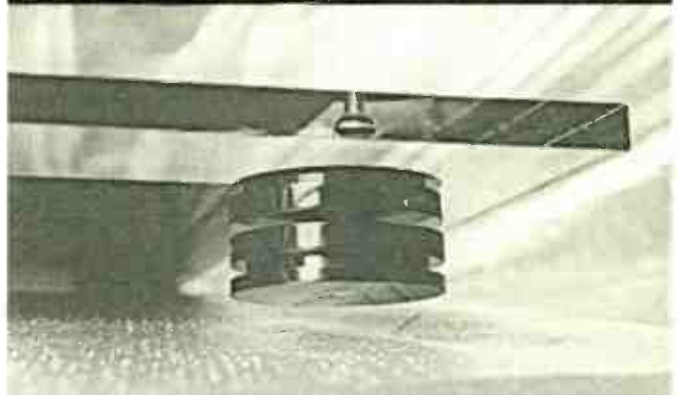


Crystal Cloud

www.crystalcloud.demon.co.uk



Seamless stereo images, deep tuneful bass and smooth detailed treble. Vibration control improves sound quality in every way. The Isolocat isolation platform is designed to eliminate vibration allowing audio components to realise their full potential. To get the best from your system contact Crystal Cloud for more details.



Crystal Cloud, Holly House Alexander Lane, Brentwood, Essex CM13 1AG  
Tel +44 01277 260020 Fax +44 01277 260736  
e-mail isolation@crystalcloud.demon.co.uk



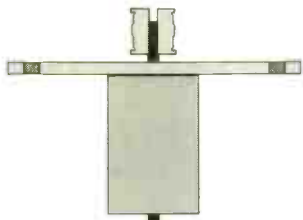
Available at selected dealers or mailorder.

## UPGRADE YOUR TURNTABLE

"If you are thinking of upgrading your system.....the Origin Live dc-motor kit should be high on your list for consideration" TNT AUDIO internet magazine April 2000.

"The single most important upgrade you can ever make to any record deck concerns the motor drive ....nothing can compare you for the shock of going DC. in a word Gobsmacking" COMMON GROUND MAGAZINE

"Its value is nothing short of tremendous" LISTENER MAGAZINE



Whether you own a Linn Lingo or a Rega, the results of upgrading to the Origin Live dc motor and advanced power supply are simply astounding. This high grade motor kit is designed as a drop in replacement for almost all turntable motors. Decks benefiting so far from this ultimate of upgrades include Linn. Roksan. Michell. Systemdeck, Rock etc. With a 12 Volt power supply it is safe and easy to fit. Guidance instructions are provided. At £250 with money back guarantee if not impressed this is a bargain out of all proportion to it's value in terms of performance. An optional, larger purpose made transformer is also available as an add on at £175

## TURBOCHARGING YOUR REGA ARM

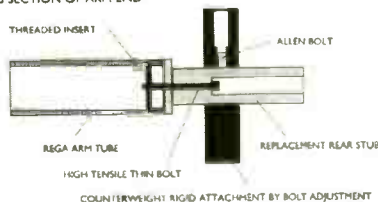
"Nothing less than total dynamite!"

If you are the proud owner of any Rega arm, why not utterly transform it into the league of super arms with the Origin live structural modification:- £75 inc post & packing. This modification will enable your Rega to perform at a level exceeding that of arms costing over £1200. Internal rewiring with high grade litz cable is also offered at an additional £70, and external rewiring is £70.

"I have to say the Rega modifications turn this humble arm into a real Giant killer. Gone is the rather grey, sterile sound of the cooking Rega. Instead, tonal colour is fresh, dynamics have great speed and impact, and the sound stage is huge." HI-FI WORLD SUPPLEMENT (structural modification to a RB250) WHAT HI-FI gave this modification a 5 star rating.

For arm modifications we normally return your arm in 2-3 days

CROSS SECTION OF ARM END



For further information contact:-

Origin Live, 87 Chessel Crescent, Bitterne,  
Southampton, SO19 4BT

Tel: 02380 442183 / 578877 - Fax: 02380 398905

Email: [origin.live@virgin.net](mailto:origin.live@virgin.net)

WEB SITE: <http://www.originlive.com>

## ORIGIN LIVE TURNTABLE KITS Standard & Ultra

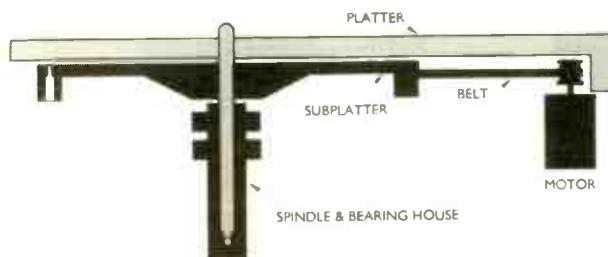
Now you can save money and build your own high performance deck. The standard kit version is offered at £195. and the ultra version at £279. Both decks come with a full set of drawings and guidance instructions. The kit allows for your creativity or there are optional parts that will enable you to assemble a tried and tested design within 1-4 hours. This is probably the easiest kit you will ever make.

"this Vinyl font end had my jaw heading towards the floor with the solidity and transparency of the music it was making"...  
" the standard came up with crystal clear images set in a broad sound stage"... "With all these goodies in place, the standard would give turntables at the £1200-£1400 mark a hard time."

HI-FI WORLD SUPPLEMENT

"is exceptionally easy to build and professional in both sound quality and appearance"

HI FI NEWS SUPPLEMENT



listening  
rooms

PHONE FOR LATEST LIST

	RRP	SALE
<b>NEW, ED-DEM AND CLEARANCE ITEMS</b>		
AUDIO RESEARCH D130	1995	1195 S/H
AUDIO RESEARCH LS2		795 S/H
MICHELL ALECTO STEREO		1150 D
CYRUS PREAMP	650	189 D
CYRUS aCA7	700	399 D
CYRUS 3i INT AMP	598	329 D
CYRUS SL INT AMP	400	279 D
ARCAM ALPHA 10 AMP	800	599 D
ARCAM ALPHA 8R AMP	350	259 N+D
ARCAM ALPHA 7R AMP	280	229 N+D
ARCAM ALPHA 9P P/AMP	400	300 N
ARCAM ALPHA 10 DAVE +(SURROUND SOUND)		
10 CHANNEL P/AMP	2498	1595 D
SONUS FABER MUSICA AMP (BOXED AS NEW)	2295	1295
MUSICAL FIDELITY XA1	480	295 N+D
KRELL KAV500i INT AMP	5498	4295 D
LINN KAIRN PREAMP	1400	595 D
LINN KARIK CD PLAYER	1995	795 D
CAMBRIDGE CD2	-	129 S/H
CAMBRIDGE P55 AMP	-	79 S/H
M/F DIGILOG DAC	-	69 S/H
MONITOR AUDIO 14 SPKRS	-	159 S/H
MISSION 701 SPKRS	160	119 N
LINN KABER	1995	695 D
MISSION X SPACE SPKRS	199	149 N+D
ALON V MKII	-	1295 S/H
PROAC 2.5	2700	1895 D
NEATE MYSTIQUE	735	499 D
LINN KEILIDH SPKRS INC BASES	885	439 D
CYRUS DAD 1 CD	400	150 D
CYRUS DAD 3 CD	598	349 D
CYRUS DAD 1.5 CD MINT	400	239 D
CYRUS FM7 TUNER	400	279 D
THETA CHROMA DAC HDCC	899	495 D

D = EX DEMONSTRATION, N = NEW, S/H = SECOND HAND

THE LISTENING ROOMS LTD

161 OLD BROMPTON ROAD LONDON SW5 0LJ

TEL: 0171 - 244 7750/59 FAX: 0171 - 370 0192

[www.listeningrooms.com](http://www.listeningrooms.com)

E-mail: [tlr@dial.pipex.com](mailto:tlr@dial.pipex.com)

Mon-Sat 10-6pm



5 MINS FROM M25

# MATRIX HI-FI

VALVE AMP  
REPAIRS

## NEW HI-END HI-FI:

Michell	Gyro Deck/Bronze/RB300	£1199.00
	Micro Deck/RB250	£549.00
	Delphini Phono Stage/Large PSU	£795.00
	Orca Pre-amp/Large PSU	£1,499.00
Henley	Pro-ject Classic/Cherry/9 Arm/510	£449.00
	Ex Dem Alchemist + Nexus CD 24bit DEC	£399.00
Rothwell	Indus Pre-amp Passive	£449.00
	Rubicon Power Amp	£849.00

## PREVIOUSLY CHERISHED HI-FI:

Rogers	LS88 New boxed Spkrs. Ltd stock	£200.00
Quad	33/3-3	£150.00
Quad	FM3	£95.00
Quad	FM4 - Top Scratched	£165.00
Alchemist	Kraken Outboard PSU	£269.00
Leak	TL12+Pair	£350.00
Leak	Stereo 20 Fair Condition	£250.00
Castle	Howard 82 Rosewood - S/Wired	£695.00



•NEW HI-END HI-FI  
•VINTAGE HI-FI FOR SALE & WANTED

MICHELL, ALCHEMIST, CELESTION, QED, AUDIOQUEST, TARGET, ETC...

NEWS AND VINTAGE VALVES - INTERCONNECTS & SPEAKERS - OFC & SILVER!

WEALTH OF KNOWLEDGE SPANNING OVER 30 YEARS!!

FOR ENQUIRES OR A CONTROVERSIAL CHAT, ASK FOR DAVE OR LEE.

PHONE: (01322) 292 391

FAX: (01322) 229 908

EMAIL: [MATRIXHIFI@HOTMAIL.COM](mailto:MATRIXHIFI@HOTMAIL.COM)

ALL MAJOR CREDIT CARDS

WEB: [WWW.MATRIX-CS.CO.UK](http://WWW.MATRIX-CS.CO.UK)

FREE-EASY PARKING

SHOWROOM –

65 DARENTH ROAD

DARTFORD

KENT DA1 1LU

Passive & Active Components \* DIY Features \* Reviews  
Classifieds \* On-line Catalogue \* and much more

# www.audiocom-uk.com

Audiocom, Unit 14 Haven Workshops, Pier Road, Pembroke Dock, SA72 6TR

Tel. +44 (0) 1646 685601

Fax. +44 (0) 1646 685602

# Q.T.A. SYSTEMS -

DESIGNS ENGINEERED FOR EXCELLENCE WITH:-

- POLYPROP CAPS
- AIR CORED COILS
- HI-TEC DRIVERS
- TOP GRADE COMPONENTS

• CABINETS INCLUDED WITH OPTIONS ON FINISH

• NOTES AND SPECIFICATIONS

• COMPREHENSIVE INSTRUCTIONS

• AVAILABLE AS COMPLETED UNITS WITH STANDARD OR EXOTIC VENEERS

• DISCRETE COMPONENTS

• CUSTOM MACHINING SMALL PANELS, JOINTS & CUT-OUTS

FOR FURTHER DETAILS:-

## Q.T.A. Systems

2 Wheatsheaf Way  
Linton - Cambs CB1 6XB  
Tel: 01223 881091

H F & Audio Consultants  
Sales and Service

	Was	Now
Arcam Xeta 2 AV Processor	S'Hand	£250.00
Arcam Delta 90 Amplifier	S'Hand	£400.00
Arcam Alpha 5 Amplifier	S'Hand	£230.00
Arcam 9 Amplifier	Ex Dem	£500.00
Arcam Alpha 10 Amplifier with Dave module	Ex Dem	£1650.00
Arcam Alpha 10P/3 channel power amp	Ex Dem	£850.00
Arcam Alpha 9 P Power amplifier	Ex Dem	£400.00
Arcam Alpha 8 P Power amplifier	Ex Dem	£250.00
Arcam Alpha 7 Amplifier	Ex Dem	£280.00
Arcam Alpha 8 R Amplifier	Ex Dem	£350.00
Arcam Alpha 8 Tuner	Ex Dem	£250.00
Arcam Alpha 7 Tuner	Ex Dem	£230.00
Arcam Alpha 8 SE CD Player	Ex Dem	£500.00
Arcam Alpha 9 CD Player	Ex Dem	£800.00
B & W DM 601 S1 Loudspeakers	S'Hand	£200.00
B & W DM 620 Floorstanding Loudspeakers	S'Hand	£150.00
Bose 501 Mk 2 Loudspeakers	New	£600.00
Castle Inversion 15 Various finishes	New	£425.00
Castle Harlech S 1 in Birch	New	£900.00
Castle Inversion 100 in Cherry	Ex Dem	£1950.00
Denon AVR 1800 Dolby Digital Receiver	Ex Dem	£450.00
Denon AVR 2800 Dolby Digital Receiver	Ex Dem	£600.00
Denon AVR 3800 Dolby Digital Receiver	Ex Dem	£800.00
Elac EL 140 Loudspeakers Black	S'Hand	£800.00
Kef Q 65 Floorstanding Loudspeakers Rosewood	Ex Dem	£800.00
Kef Q 70 Floorstanding Loudspeakers Black	S'Hand	£600.00
Logic DM 101 Turntable, RB 300arm ATF3 Cartridge	S'Hand	£850.00
Marantz CD 63 SE Cd Player	S'Hand	£350.00
Meridian 541 AV Processor	Ex Dem	£1000.00
Musical Fidelity Preamp 8 in Chrome	S'Hand	£175.00
Quad FM3,303 Power amplifier, 33 pre amplifier	S'Hand	£150.00
Quad 405 Mk 1 Power amplifier	S'Hand	£175.00
Rotel RC 972 Pre amplifier	New	£225.00
Sony STS 730 ES Tuner	S'Hand	£100.00
Yamaha MDX 595 Minidisc Player	Ex Dem	£230.00
Yamaha DSPA 2 Dolby Digital Amplifier	Ex Dem	£1000.00
Yamaha DSPE 492 Processor	S'Hand	£250.00
Yamaha DVDS 795 DVD Player	New	£450.00
Yamaha RXV 795a RDS Dolby Digital Receiver	Ex Dem	£600.00

12 Regent Street, Rugby, Warwickshire, CV22 5LP  
Tel: 01788 540772 Fax 01788 542170  
[www.soundexpensive.co.uk](http://www.soundexpensive.co.uk)

**VISA HEATHERDALE AUDIO LTD. VISA**

HEATHERDALE PRE-OWNED GUARANTEED EQUIPMENT EXPORT FACILITIES AVAILABLE

**SPEAKERS**

- Epos ESII Speakers £245
- Thiel 7.2 Birds Eye Maple £8995
- Linn Isobaric With Stands £895
- ATC Towers 7's £795
- Audionote ANESE (Rosewood) F Veneer £3955
- Kef 101/2 speakers £475
- Mission 782 Loud Speakers (Stand mount model) £250
- TANNDY 15' Dual concentric speakers in superb oak cabinets. Selection of Thiel ex. Demo. Speakers All with 10 year guarantee £2995

MAIN DEALER FOR DRCHID SPEAKERS

**PRE AMPS**

- Audiolab 8000Q Pre-Amp £595
- Classa CP35 remote pre-amp balanced £595
- AVI S2000MP Pre-Amp with phono-stage £495
- Mark Levinson ML26S £2995
- Burmester 785 with phono-stage £895
- Z System digital pre-amp £2750
- Naim 42.5 pre-amp with 140 power amp £495
- Audio Research phono 1 phono stage MM & MC £895
- Exposure 21 Pre-amp NEW with remote £890
- Graaf WFB two Pre-amp £1195

**AMPLIFIERS**

- Krell KSA 100S boxed mini £2995

**ROGERS E40a Integrated Amplifier with phono-stage (NEW)**

- Mark Levinson ML35 DAC
- Par Art audio Tempo Amplifier
- Mark Levinson 20.5 Monoblocks
- Exposure 11/12/Super 8
- Cello Performance 11 Mono amplifiers
- Mark Levinson 332 200 wpc power amplifier
- Audionote P4 Monoblocks
- Adcom GFA 5300 Power amp
- Roland Model 5 power amplifier (champagne gold face plate)
- Pioneer precision integrated amplifier

**CD PLAYERS & TRANSPORT**

- Denon DCD660 CD Player £95

**DAC'S**

- PS Audio Ultralink Digital Processor £995
- Arcam Delta Black Box DAC £150
- Cello Reference DAC £2995
- LFD DAC 3 £1595
- Vac DAC Valve DAC £895
- Meridian 203 DAC £150
- Audio Synthesis DAX £1295

**MISCELLANEOUS**

- Yamamura 1/2metre digital hnk BNC connectors £200
- Tara Labs Balanced Reference interconnect £395
- 2mtr C2 Gel Balanced Interconnect (E650) ONLY £1995

**£995 Nakamichi BX2 cassette deck (just serviced) £295**

**£2495 Teac A-33405 tape recorder £595**

**£995 Stax Lambda Nova Electrostatic headphones and energizer £595**

**£4795 Selections of MIT cables available at discounted prices**

**TURNTABLES, CARTRIDGES & TONEARMS**

- Luxman PO 282 Turntable £75
- Technics SLD2 Turntable £75
- CEC Turntable & PSU £495
- Helius Silver wired tonearm £995
- VPI TNT Turntable £2695
- Thorens TD125 Turntable £295
- SME Series 3 Tonearm £150

**FOR THE CONNOISSEUR**

- Mark Levinson 20.5 Reference Amplifiers £4795
- Mark Levinson 26S Balanced Pre-Amp £2995

**NOW DEMONSTRATING THE MARK LEVINSON 383 INTEGRATED AMP**

**WE NOW OFFER 0% FINANCE (subject to status)**  
PLEASE PHONE TO ARRANGE AN AUDITION  
MAIN DEALERS FOR MARK LEVINSON, THIEL, AND ABSOLUTE SOUNDS

**VISA - SWITCH - MASTER CARD - AMEX - DINERS CLUB WELCOME.**  
WE TAKE PART EXCHANGE ON NEW & USED STOCK AND BUY IN FOR CASH

# Are you making the right connections?

Send for Britain's biggest catalogue of specialist cable and connections. All available by mail order. Phone 020-8942 9124 or clip the coupon for your Free copy

## CUSTOM CABLE SERVICE

PO Box 4007, London SW17 8XG

Please send me your FREE Custom Cable Catalogue

Name \_\_\_\_\_

Address \_\_\_\_\_

Postcode \_\_\_\_\_

NO FURTHER INFORMATION REQUIRED

Send to: Custom Cable Service  
PO Box 4007  
London SW17 8XG

HFW 02/01



# Audio Direct (UK) SALE 20% off all marked prices for January!

\*\*\*Please note: - all our prices are now inclusive of vat etc. and are subject only to carriage, at cost\*\*\*

**Goertz cables** the original and still the best. Available at genuine US Domestic prices + UK vat only  
 Audio Direct are now the sole approved UK agents for all genuine Goertz cables and Alpha-Core products  
 \*\*\*Goertz cables are quiet, dynamic and natural, with incredible imaging and detail and need less than a 30 minute burn-in!

**Speaker Cables**  
 MI 1 Centre Stage - £11.95/m  
 MI 2 Veracity - £22.95/m  
 MI 3 Divinity (Big Boy) - £44.95/m  
 Factory Termination extra to above. AG 1, 2 and 3 Solid fine Silver available to order - expensive but stunning performers  
 Note, Goertz have introduced a new top of the range hybrid Copper/Silver or Pure Silver Cable which will be available soon.  
 They are reported to offer new standards of performance in all areas and are housed in a conventional round polymer sheath

**Silver Interconnects**  
 Micro Purl Ag RCA - £105.00/1m  
 Triode Quartz 2 RCA - £155.00/1m  
 Sapphire Solid Silver RCA - £299.95/1m  
 All standard Goertz Cables offered on 21 day trial basis subject to normal conditions exc. MI 3/AG1,2,3)

**Alpha-Core Inductors** simply the best inductors available - please inquire for best price and delivery

\*\*\*Note that we have many used p/x cables available at bargain prices inc. Goertz and Nordost and many others\*\*\*  
 For example - TaraLabs balanced 1m Decades @ £250.00 - Masters @ £175.00 and Ref 2s @ £150.00

**Jumper Cables** Goertz and Nordost jumper sets from £20.00 - the difference is amazing - almost like bi-wiring!

**Nordost hook-up wires** Exclusive to Audio Direct! Totally stunning cables of the very highest quality - guaranteed to blow away all other more expensive copper or silver chassis wires on the market! Simply amazing quality!  
 Nordost Silver Note chassis wire- multi purpose 20awg parallel pair made of ultra pure copper and silver - Teflon dielectric £7.95/m  
 Nordost Blue Vulcan 2 signal wire - screened twisted pair with drain wire, 8 nines copper/silver 26awg cable with pure Teflon £16.95/m  
 "Our Customers are simply astounded at the available performance in all amplifier, speaker & signal applications."

**AudioLinx new Silver Max Interconnect** superb quality screened high purity copper cables with Neutrik RCA or XLH plugs. Constructed with Wonder Solder and treated with Deoxit and Progold to enhance their performance & longevity  
 Extremely natural and transparent performers at only £59.95/0.6m or £89.95/1m pair - better than some "£800 interconnects"....

**PowerLinx Power Cords** manufactured for audio using the best materials and construction techniques  
 Military Specification cables featuring a choice of top quality hardware & non-invasive noise and surge protection devices.  
 Red Baron 1.2m/15 amp cord for preamp and CD.etc. £69.95 1.2m/25 amp cord for integrated amps etc. £89.95  
 Blue Max 1.5m/25 amp 12mm cord for all applications. £149.95 1.5m/35 amp 14mm cord for all applications. £199.95  
 All cords are fully screened. The Red Baron is fitted with Rendar IEC. The Blue Max with WattGate. All use MK 13A plugs.  
 These cords sound quiet, dynamic, natural and transparent, and will outperform anything available near or above their cost!

**PowerLinx Distribution block** 6 way Brennenstuhl distribution unit fitted 25 amp cord, MK plug, Rendar IEC and non-invasive noise and surge protection. Integral mountings. Superb quality, looks and performance on offer at only £109.95

**PowerStation Power Supply** Available soon. The Power Station features a 1kVA double C core transformer and non-invasive passive filtering system mounted in a superb bonded metal chassis. It has an integral 35A power cord and 8 non switched socket outlets. Internally hard-wired with the best quality cable we can find it features full star earthing and bonding. This product will exceed the best features and performance of a separate mains cord, distribution block and power supply set-up all in one neat integrated unit customised to suit individual needs. It will totally outperform the usual collection of untidy separate bits and pieces at a lower overall cost having vastly better dynamics and shading combined with total silence.

**Selected Valves** super quality premium valves (no rubbish!) - offered at the best available prices

ECC82 JJ	£5.85	300B JJ	£69.95	6L6GC JJ	£9.95	6B4G new Sovtek single-plate	£25.95
ECC83 JJ	£5.85	EL84 JJ	£5.85	KT88 JJ	£22.95	2A3 new Sovtek single-plate	£23.95
E88CC JJ	£5.85	6SN7/6SL7	£5.85	EL34L JJ	£7.45	6AU6WC Jan Philips nos	£3.50
ECC99 JJ	£9.95	6AS7G Sov.	£4.95	12AX7LPS	£9.50	5814a (ECC82) Jan Philips nos.	£5.95
6922 Sov	£8.95	5881 Sov	£4.95	ECC81 Jan	£5.85	5687WB Jan Philips nos.	£5.95

Full matching and burn-in service available @ 80p/valve. Factory selected pairs and quads also available at no extra charge

**New "C" Core Mains Transformers** Top quality units. Improved dynamics, less noise and cooler running Prices comparable with standard products. For example C Core mains for Hi Fi World KAT88 amp now offered at £95.00 The quality of these transformers is the best available at any price. The overall sonic improvements are not subtle! Please ask for a quotation for your individual requirements. Delivery is approx. 21 days from date of order.

**Special Offer** Valve mains and output transformers - High Quality 6K P/P outputs @ £29.95, 3K P/P @ £34.95  
 Range of Mains transformers from only £39.95 Genuine 5K Audio Note 300B P/P output transformers at £39.95

**Voodoo Airtek Isolation Platforms** Excellent pneumatic platforms finished in black veneer complete with pump and oak cone feet These platforms have a much more natural sound than glass or metal. Superb value at £149.95

**Vibropod Isolation feet** - Stereophile recommended multi-function component - now in-stock at £4.75 each.  
 Range of sizes available covering up to 30 lbs. per unit. Use 3 or 4 per component or loudspeaker base. Superb value.

**Vibropod Isolation platforms** Appx. 42 x 33 cms. Complete with 4 vibropod feet ( please specify exact loading )  
 Models suitable for loudspeakers or separates. The ultimate recommended way to use vibropods - stunning at £49.95 each

**JJ Capacitors** Superb new range of capacitors for valve amp power supplies etc.- quiet, transparent & dynamic  
 Values available now include 32+32 uF, 50+50uF, 100+100uF, 22uF, 47uF, 68uF, 100uF, 200uF, 250uF and 500uF - all at 500V  
 Prices range from £4.95 to £9.95 according to value and capacitor physical size. Tag and snap-in connections available.

**JJ Amplifiers** Stunning new high-end amplifiers available from the makers of JJ valves - 2 models available JJ 322 - Parallel 300B dual-mono power amplifier. Output 20 wpc. Polished wooden plinth, black or mahogany / 24 ct Gold top plate. Weight appx. 90 lbs - no lightweight empty box! C Core transformers, full dual mono layout. Staggering construction quality and performance. A 300B with real bottom end built regardless of cost. A serious high-end amp for £2495 delivered JJ 828 - Parallel Push Pull integrated KT88 amplifier. Output 70 wpc.- mainly Class A. Features a Natural alloy faceplate with a Black or Blue alloy chassis. Weight appx. 70 lbs. - true testimony to the superb construction quality and features 5 inputs + tape out. This amp has real power and drive with beautifully balanced sonics. Superb value at £1295.00 delivered

**Arion Adonis integrated amp** 6 month old full export model - 22 wpc. Pure Class A. Superb overall condition  
 These amps have received excellent reviews worldwide. Supplied with spare valves. Real value at £595.00 delivered

**Panasonic pots** Range of dual log stereo pots now @ £29.95! **Wonder Solder** £2.00/m

**InfiniCap SET1** (Range 0.01uF through to 10 uF) absolutely superb! e.g. 0.47uF x 450V @ £11.95 **Kiwame carbon resist** 2 watt / £1.20  
 Superb for crossovers and valves! 5 watt / £2.40

**Deoxit D5 deoxidizer and Progold G55-6 cleaner** 5oz spray cans available at £11.95 & £12.95 respt

New comprehensive catalogue and Web site available soon - watch this space for further information!

All major credit cards accepted. \*\*\*All prices now include vat\*\*\* Insured carriage at cost.

**Audio Direct (UK)**

2 Craigs Road, Carlisle Park, Ballynahinch, Co. Down BT24 8PQ, UK.  
 Tel: 02897 561348 Fax: 02897 564063 Email: audiodirect@btinternet.com

# Ortofon WARNING

We have recently been advised that there may be some non-original and / or defect cartridges available on the UK market. Needless to say, these items are offered at very attractive prices and appear to be excellent value for money. Do not be fooled, only Ortofon products purchased from an authorised dealer are guaranteed authentic and are covered by the distributors and manufacturers warranty.

Please contact Henley Designs should you have any doubts or wish to locate your nearest authorised dealer.



Henley Designs Ltd  
The Old Coach House,  
The Street, Crowmarsh Gifford,  
Wallingford, Oxfordshire, OX10 8EH  
Tel: 01491 834700, Fax: 01491 834722  
e-mail: henley.designs@virgin.net

## VINTAGE AND MODERN HI-FI SOLD, BOUGHT.

**Lto** Tel./Fax: 0181 343 0533  
Tel.: 0790 1976 441

**Identity**  
LOUDSPEAKERS/  
CABLES/  
DRIVE UNITS

	LIST	SALE
<b>SONUS FABER</b>		
GUARNERI HOMAGE	1,800	799
LUXURY STANDS + GRANITE BASE beautiful finish, suit all SF speakers	599	430
CONCERTINO	945	750
CONCERTO	1,550	1,290
CONCERTO GRAN P.	2,849	1,950
ELECTA AMATOR 2	5,795	3,750
GUARNERI HOMAGE	1,250	999
SIGNUM	N/A	2,850
EXTREMA		8,750
AMATI HOMAGE	11,450	

Prices refer to new/mint condition and sealed

**WHARFEDALE** mod. AIR DALE, huge cabinet £ 200 the pair! **LOWTHER** Acoustat Cabinet £ 100 the pair; Belcanto £ 1,500 (piano finish) rare, few made; Fidelio £ 1,100. Drive Units: (each) PM6A £ 235; PM7A £ 290; PM2A £ 350. **MAUHORN** beautiful cabinet for PM2A £ 1,000. **QUAD ESL** Black or Bronze £ 600; **AUDIO NOTE** ANSP Pure Silver Speaker Cable £ 300 (2 x 1.5m) £ 500 (4 x 1.5m) **A.R.T.** simply the best (for Sonus Faber) from £ 100 per meter!!

**AMPHI VALVES**  
PX4 POA; PP3/250 POA; KT61 £ 15; KT66 G.E.C. £ 50/60; EL34 MULLARD POA; EL84

**TUNINGABLES/CARTRIDGES/ARMS**  
**GARRARD** 301 POA; 401 £ 0; **MICHELL** Gyrodeck MKII ex-demo £ 750; MicroGyro Arm £ 500; **NOTTINGHAM ANALOGUE** MENTOR REFERENCE (one of the best in the market) mint condition £ 2000; Interspace £ 350; Spacedeck £ 550; HyperSpace £ 1,190; **NOTTINGHAM** The Foot (12" tone arm) £ 850; **SME** 309 £ 550; **SME** 3009 £ 130; **SME** 3012 £ 250; **ORTOFON** Rohmann mint/sealed £ 750; MC10 Supreme £ 210; MC20 Supreme £ 375; MC30 Supreme £ 425; **AUDIO NOTE** IO-V £ 1,000; **SUMIKO** Blue Point S £ 199.

**CD PLAYERS/DAC**  
**C.E.C.** TL2 Belt Drive as new £ 1,350; **AUDIO NOTE** DAC 4 bargain £ 2500. **AUDIO ANALOGUE** PAGANINI £ 650.

**CASH WAITING for the following valves: PX4; PX25; PP3/250; P650/ P15/250; P12/250; AC044; PP3/400; RS241; 300BWE; KT61; KT66 2A3; 211; EL84 (Mullard); LEAK; RADFORD; QUAD I and II; DYNATRON, any RGD amp; GOODMAN AXION 80-TANNOY & LOWTHER**

# SUPRA<sup>®</sup>

Supra cables are manufactured to exceptional standards of quality in our very own factory near Gothenberg in Sweden - in tune with nature & in tune with your needs.

### Interconnects

EFF-ISL "Hi-Fi Choice Best Buy", fitted with locking gold-plated phono's (0.75m) £79.95/pr

EFF-IX - same cable as EFF-ISL, but fitted with non-locking phono's (0.75m) £69.95/pr

EFF-IXLR - same cable as EFF-ISL, but fitted with XLR connectors (0.75m) £89.95/pr

### Digital Cables (1m)

DAC-XLR 110ohm AES/EBU cable £44.95ea

EFF-ID co-ax digital cable £44.95ea

### Fibre optic cables (1m)

ZAC (Available in 3 versions: TosLink>TosLink, 3.5mm>TosLink, or 3.5mm>3.5mm) £29.95ea

X-ZAC (Hi-End TosLink>TosLink) £59.95ea

Most interlinks cables are available in other lengths. New range of scart + s-video cables now in stock. See website or catalogue for details.

Supra Retailer websites: [www.custom-cable.co.uk](http://www.custom-cable.co.uk)  
[www.supradirect.co.uk](http://www.supradirect.co.uk)

### Classic Series Tin-plated speaker cables (unterminated)

Classic 2.5mm £2.49/m

Classic 4mm £3.95/m

Classsic 6mm £4.95/m

Quattro 4x4mm biwire cable £8.95/m

(All Classic cables are multi-stranded OFC - Classic 4mm is a "What Video Best Buy")

### Ply Series low inductance OFC speaker cable

Ply 2.0 £4.95/m

Ply 3.4 £6.95/m

Ply 3.4/S £7.95/m

(Both Ply 3.4 are "Hi-Fi Choice - Recommended" cables)

### LINC Series Installation Speaker Cable (shielded)

LINC 4.0 £4.95/m

For a catalogue, complete the coupon and post to our address. E. & O.E.

Post to: Glave Limited, Unit 7, Wren Industrial Estate, Coldred Road, Maidstone, ME15 9YT Tel/Fax: 01622 664070 Web: [www.supracables.co.uk](http://www.supracables.co.uk)  
Please send me info on: Supra

Name: .....

Address: .....

.....

.....

Post code: ..... HFW0012

# AUDIO MATTERS

NEW EX-DEM & PART EXCHANGE  
EQUIPMENT FOR SALE  
020 8255 0572/0973 436135

	LIST	SALE
Alchemist Forsetti pre + power	£2398	£POA
Alchemist Kraken Anniversary MkII	£599	£POA
Alchemist Forsetti R/C Int Amp	£1250	£650
Alchemist Genesis monoblocks	£1500	£695
Anthem CD player (5 star What Hi-Fi)(ex/d)	£1699	£899
Audio Research D240 Mk.II	£3500	£1195
Audion Black Shadows 845 valve monoblocks	£4000	£POA
Audion Silvernight 300B monoblocks	£2250	£POA
Audio Alchemy drive 3 + V3DAC + 3PSU	£1649	£759
AVI S2000MP Pre + Rata PSU	£1450	£750
AVI S2000 Monoblocks	£1400	£750
Chario Academy 1 solid walnut (ex/d)	£1299	£800
Chario Academy 2 solid walnut (ex/d)	£1649	£1100
Conrad Johnson PV10AL Pre	£1095	£595
EAR 859 pwr. amp	£1599	£750
Krell Kav 300I	£2495	£POA
Krell KSA 80 pwr. amp	£3498	£1495
Krell KSA 250 pwr. amp	£6700	£2500
Krell KSL pre amp	£2298	£995
Krell KAV-S Prologic, AC3, DTS, THX PRE	£13500	£6500
Macintosh 7106 6ch. THX pwr. amp	£4000	£1999
Meridian 207 CD + PRE		£350
Proac Response 4 spks	£12000	£3995
Pass Aleph LFP PRE	£3800	£2195
Quad ESL63 + Stands	£3500	£1395
Spendor SP7/1 spks.	£1995	£650
Tannoy D700 spks. rosewood	£2500	£1250
Theta pearl transport + Progeny dac	£2448	£1250
Wadia 23 CD Player	£2980	£1495

Wazoo integrated amp from Bow Technologies now on Dem

A NEW RANGE OF VIENNA ACOUSTICS SPKS. NOW ON DEM - ALSO PERREAUX EQUIPMENT AVAILABLE ONLY FROM AUDIO MATTERS ON DEM -

Alchemist, Anthem, Audiomeca, Audion Valve Amps, Cadence Spks., Chario, D.P.A., Goertz cables, Monarchy, Ortofon, Pink Triangle, Project T-T, Sonic Frontiers, Triangle Spks., Trilogy Valve Amps, Vand den Hul.

VISA/MASTERCARD ACCEPTED



Tel.  
01646 685601

# AUDIOCOM

Fax.  
01646 685602

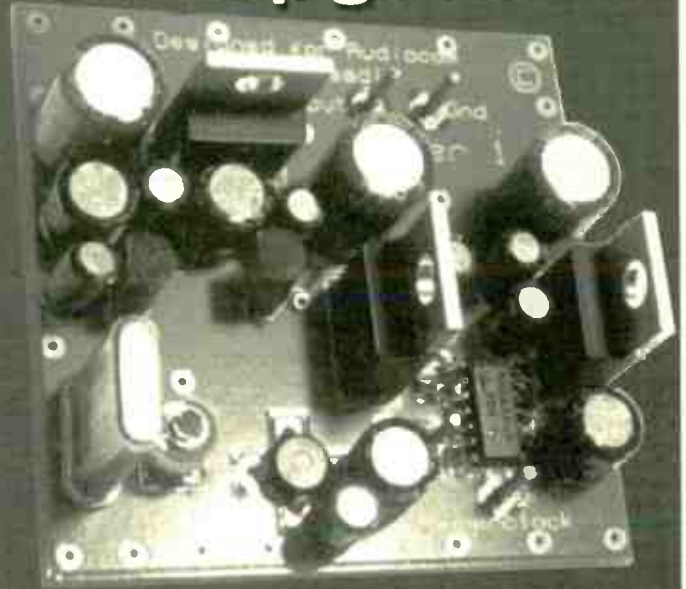
## SUPERCLOCK (S-Clock) The Definitive CD Upgrade

If your CD Player relies on a standard clock, then it is limited by inherent problems like jitter, slow rise time which means timing errors, and interference with the DAC conversion process. Low level information is lost and irretrievable.

These standard clocks do not generate an initial sine wave for conversion; they just produce a waveform similar in shape to a sawtooth.

*Now picture this....*

- High accuracy oscillator  $\pm 2$ ppm master clock.
- Negligible levels of power supply and data related jitter.
- Low distortion sine wave, virtually free of phase noise.
- Fast rise time resulting in greater data accuracy retrieval.



[www.audiocom-uk.com](http://www.audiocom-uk.com)

For further information on SUPERCLOCK, other upgrades and components tel. 01646 685601 Fax. 01646 685602  
Most major credit/debit cards accepted

**NEW** **SENNHEISER EVOLUTION REVOLUTION**



Today's generation of recording artists and musicians now has a better alternative in high performance headphones with the introduction of the all-new Evolution Headphone Series by Sennheiser. Combining outstanding clarity and performance with sleek, sophisticated design and a surprisingly affordable price point, the Sennheiser Evolution Headphone Series is the ideal choice for up-and-coming performers who have long sought to bring Sennheiser's technical excellence and sound quality to their own home and studio listening environments. The Evolution Series consists of three dynamic headphone units: the EH1430, EH2200 and EH2270 offering durability, versatility and the rich, full sound you expect from Sennheiser. All units incorporate 3.5mm and 6.3mm (1/4") jacks.

**EH1430 our price £19.95    EH2200 our price £49.95**  
**EH2270 OUR PRICE ONLY £79.95**

**SENNHEISER HEADPHONE SPARES FOR MOST MODELS ALWAYS IN STOCK — CALL**

**NEW** **SENNHEISER WIRELESS HEADPHONES NOW AVAILABLE**



**RS30** Sennheiser's entry-level model for those who want to listen to great sounding music and enjoy freedom of movement. Incorporates a special filter to protect against interference from TV sets. Our price £69.95  
**RS40** Excellent sound reproduction and extended listening comfort thanks to fabric-covered ear pads. When placed on the transmitter, the battery is automatically recharged in the headphones. Our price £79.95  
**RS60** Our first RF wireless headphone with surround sound! Can be switched on and off as desired. An SAW input filter eliminates RF interference—for undisturbed listening. Our price £119.95  
**RS80** The flagship of the new RS series delivers accurate, dynamic music reproduction. Features specially optimised transducers as well as HiDYN™ noise reduction. Our price £159.95

FULL DETAILS AND MUCH MORE IN OUR ON-LINE CATALOGUE OF QUALITY COMPONENTS AND ACCESSORIES AT

[www.strachan.ndirect.co.uk](http://www.strachan.ndirect.co.uk)  
**STRACHAN ELECTRONICS**  
 9 CROALL PLACE, EDINBURGH, EH7 4LT  
 Tel: 0131 556 9549 E-mail: [strachan@ndirect.co.uk](mailto:strachan@ndirect.co.uk)

**EUROCARD** **MasterCard** **PROGRESSIVE AUDIO** **VISA**

2 Maryland Court, Rainham, Kent, ME8 8QY  
 Telephone / Fax No. 01634 389004  
 WEBSITE: [www.progressiveaudio.co.uk](http://www.progressiveaudio.co.uk) E-MAIL: [dave@progressiveaudio.co.uk](mailto:dave@progressiveaudio.co.uk)

We have the following ex demonstration and part exchange items for sale :

- DENON AVC-A10 AV Processor/amp. 4 months old. Mint. Boxed. £1150. S/H.
- SONUS FABER Concertino loudspeakers. Piano black. Unused. £450. S/H.
- SONUS FABER Solo centre speaker. Black. Unused. £425. S/H.
- NORDOST Quattrofil Reference Interconnects. 1.5m (x2) £875 PER PAIR. X/D
- NORDOST SPM Reference speaker cable. 4m Bi Wire set. £2350. X/D
- CHORD 1400B Mono block power amps. Black. As new. Boxed. £5500. S/H.
- VERITAS H3 Horns. Piano black. As new. £4600. X/D
- VERITAS 7's. Piano Cherry. With stands. As new. £995. X/D
- VERITAS 20'S. Piano Black. With stands. As new. £1250. X/D
- DAC Ultimate Valve CD player. As new. Boxed. ( £5000 ) £2650. X/D.
- TEAC PS00/D500 CD player. Excellent condition. £425. S/H.
- BLACK Rhodium interconnect. 1.5m. Boxed as new. £795. S/H.
- ALON Petite loudspeakers. Walnut. As new. Boxed. £850. X/D.
- ALON 1 loudspeakers. Walnut. Excellent condition. Boxed. £795. X/D.
- ELEMENTAL Audio monolith. ( £499 ) £300. X/D.
- ELEMENTAL Audio speaker stands ( the best ever ? ) £1500 new. £850. X/D.
- ANALYSIS Epsilon ribbon loudspeakers. Good condition. Boxed. £3495 new. £1250. S/H.
- TRIANGLE Alcantea loudspeakers. Excellent match for valve amps. Black. Mint. Boxed. £650. S/H.
- BRYSTON 20B Line pre amp. £450. S/H.
- NORDOST Silver Shadow digital interconnect. 1.5m. £175. S/H.
- SUGDEN SDD1 CD transport. Mint. Boxed. £495. X/D.
- REL Storm subwoofer. Black. Excellent condition. Boxed. £375. S/H.
- TEAC VRDS 10SE CD player. Excellent condition. Boxed. £395. S/H.
- MICHELL Argo HR Line pre amp. With Hera P/S. £650. X/D.
- MICHELL Iso HR. phono stage. With Hera P/S. Excellent condition. £495. S/H.
- ETALON phono stage. M/M and M/C. New £1500. £650. X/D.
- ORIGIN LIVE Conqueror loudspeakers. Cherry. As new. Boxed. £1250. X/D.
- ORIGIN LIVE Sovereign loudspeakers. Cherry. Good condition. £650. X/D.
- ACOUSTIC SOLUTIONS "Eight" loudspeakers. Oak. As new With stands. £1200. X/D.
- NAIM Nait 3 Integrated amp. £350. S/H.
- EXPOSURE PreX1X and Power XV111 amp combo. Comes with 1m balanced interconnect. Mint. £725. S/H.
- GOLDEN TUBE Si50 50w valve amp. As new. Boxed. £595. X/D.
- LINN Kaber loudspeakers with stone stands. £825. S/H.
- ROKSAN Caspian Integrated amp. Excellent condition. Boxed. £495. S/H.
- ROKSAN Caspian power amp. Excellent condition. Boxed. £350. S/H.
- MUSE Model eighteen subwoofer. £1500. S/H.
- ROTEL 985 CD player. £125. S/H.
- SD ACOUSTICS 3R loudspeakers with matching stands. As new. £500. X/D.
- REGA Planet CD player. Mint. Boxed. Remote. £295. S/H.
- REGA Radio. Mint. Boxed. £110. S/H.
- UNISON RESEARCH 845 Mono blocks. Mint. Boxed. £1995. S/H.
- AUDIONOTE AN/J loudspeakers. Black. With stands. Mint. Boxed. £800. S/H.
- TICE Power Block 111 Signature mains conditioner. 12 outlets. New £2700. £1500.

# MAF AUDIO

*The Finest Sound in Home Theatre*

**BRYSTON 4BST & BP25 PREAMPLIFIER & BRYSTON 9B-ST  
5 CHANNEL AV AMPLIFIERS ON DEMONSTRATION.**

*Need a dream date come and listen to the Classe 151 int amplifier  
150wpc of seduction, and the superb sound of the Classe.3Cd player*

*Lovely to look at nice to touch, some people even plug them in  
MIRAGE OMNIPOLAR SPEAKERS*

*Take off your blinkers throw away the form book and rediscover  
Music, so gallop over here, it's a sure bet your on a winner*

## SOME KIT AT NICE PRICES

	Was	Sale
MIRAGE OM7 Piano black exdem slightly marked	£2000	£1700
OM12 OMNIPOLAR exdem mint	£800	£550
FRX-S8 powered 100w subwoofer s/h	£249	£150
AVS 200 satellite speakers s/h	£149	£90
FRX9 forward firing semi active 100w internal amp	£1100	£600
Mbs bipolar satellites s/h with stands to clear		£150
MERIDIAN 557 Power amp 200wpc s/h mint con	£1575	£750
YAMAHA AX630 int amp & ast 1 speakers to clear		£250
EZO upgradable Cd player 24 bit class A bal & se out	£650	£400
EZO 4808 Int amp 70wpc full remote	£795	£500
Arcam alpha 1 speakers s/h to clear		£100
ACURUS ACT3 Preamp processor ex dem Dts	£1899	£1400
EAD ENCORE Processor Dts latest spec	£3000	£1600

**BUY-SELL-SWOP YOUR AUDIO EQUIPMENT ON OUR NEW  
WEB SITE. [MOVE IT ON.CO.UK](http://MOVE.IT.ON.CO.UK) FOR MORE INFORMATION  
CALL MIKE ANYTIME ON 01283-538882 BURTON-ON-TRENT STAFFS  
e-mail [mafaudio1@netscapeonline.co.uk](mailto:mafaudio1@netscapeonline.co.uk)**

# pear audio

presents

## Shahinian

# DYNAVECTOR

## Well Tempered

*Stockists and Information from  
Pear Audio Ltd. 7 Prospect Place,  
Alnmouth, Northumberland, NE66 2RL  
Tel: 01665 830862 Fax: 01665 830051*

V.A.T. No.  
729580013



QUALITY USED  
EQUIPMENT,  
BOUGHT, SOLD,  
PART EXCHANGE

TEL/FAX  
0121 747 4246



URGENTLY REQUIRED  
LINN, NAIM,  
MERIDIAN, QUAD,  
CASH WAITING

	RRP	NOW £
ACCUPHASE E306V INTEGRATED 1 MTH OLD	3300	1995
ARCAM BB500 DAC	600	195
ART AUDIO DIAVLO 300B SE CHROME & GOLD	4500	2295
ART AUDIO VPI SPECIAL EDITION WITH PHONO	1500	795
AUDIOMATIC DCI ELETROSTATICS	3000	1495
AUDIO TECHNICA OC9 LOW HOURS	300	150
AUDIO RESEARCH SP14	4000	1295
AUDIO RESEARCH CLASSIC 60	N/A	1695
AVI S2000 MM POWER AMPS	1400	850
AVI S2000 MT TUNER	900	550
CARDAS CROSS 2 X 2.5 MTRS SPEAKER CABLE	720	450
COPLAND CTA 401	1700	995
COPLAND CSA 28	1350	895
COPLAND CDA 288	2200	1195
CYRUS 3 I REMOTE INTEGRATED	600	350
DIAPASON ADAMANTES 11 + STANDS	2250	1395
KEF 20B SUBWOOFER	350	195
KRELL KST 100	3500	1495
LEXICON CP2 PROLOGIC PROCESSOR	1200	150
LINN LP12 CIRKUS ARMAGGEDON TRAMPOLIN	N/A	795
LINN KAN 11 BIWIRE WALNUT + STANDS	N/A	250
LINN AXIS BASIK K9	N/A	195
LINN NINKA	1000	695
LINN GENKI	1000	695
LINN LK85 X 2	500	350
LINN KOLEKTOR	500	350
MARANTZ CD 7	3500	2795
MARTIN LOGAN QUESTS (NEW PANELS)	5500	2295
MERIDIAN 506 20 BIT	1150	695
MERIDIAN 263 DELTA SIGMA DAC	750	195
MERIDIAN 501 PRE + MSR	800	450
MERIDIAN 551 + PHONO + MSR	1000	475
MUSICAL FIDELITY X ACT	200	125
MUSICAL FIDELITY X RAY CD	800	595
MUSICAL FIDELITY X10 D	150	75
MUSICAL FIDELITY P180 POWER	900	350
NAIM 160 (RECENT SERVICE)	N/A	450
NAIM SBL WALNUT LATEST DRIVERS BOXED	2465	1095
NAIM 62	400	195
NAIM 90/2	450	250
NAIM CDI MK 2	2000	995
NAIM IXO CROSSOVER	515	350
NAIM CREDO CHERRY	1285	750
NAIM ARMAGGEDON	645	450
NAIM 180	1150	695
NEAT MYSTIQUE CHERRY	750	350
PINK TRIANGLE EXPORT LIGHT OAK	1000	295
PINK TRIANGLE DE CAPO 24 BIT FILTER	2200	795
PINK TRIANGLE CARDINAL 2 TRANSPORT + RELOCKING DIC	975	495
PINK TRIANGLE BATTERY DC POWER SUPPLY (serviced 05/00)	1750	895
QUAD 57 BRONZE	N/A	450
QUAD 99 PRE	800	495
QUAD 909 POWER	900	595
REVOX G36	N/A	95
ROKSAN CASPIAN INTEGRATED	800	450
ROKSAN CASPIAN CD	900	495
SONUS FABER CONCERTO GRAND PIANO BLACK	1790	1195
SONUS FABER MINIMA AMATOR	1600	795
SONY ESPRIT TAN 900 MONOS	8000	995
THETA PRO PRIME DAC	1500	595
TRANSPARENT MUSIC WAVE 2/4 FT	280	150
TUBE TECHNOLOGY UNISIS INTEGRATED	1200	595
WADIA 850 EX DEM	5000	3495

**OPEN MON-SUN 10.00 TO 8.00  
Website: [www.centralaudio.co.uk](http://www.centralaudio.co.uk)  
E-mail: [tony@centralaudio.co.uk](mailto:tony@centralaudio.co.uk)**



# MEASURED PERFORMANCE

## TUNERS

### VIDEOLOGIC DRX-601E

I could not measure the DRX-601E under lab conditions, lacking a DAB modulator (rare and expensive). However, a lot can be gleaned from transmitted programme and DRAFFT test transmissions, using our FFT.

DRAFFT test transmission stepped tones produced the response shown in our third-octave analysis. The DRX-601E's lower limit (-1dB) was 30Hz. There's some slight bass loss from 100Hz to 200Hz, on stepped tones and white noise bursts, then a marked plateau high frequency lift of +1dB above 3kHz. Transmitted test signals include modulator and MUSICAM performance; they're not a true receiver response, so I'm reluctant to point to the tuner. All the same this isn't a very flat response by VHF tuner standards, as comparison with the Denon TU-S10 shows (the analyses using the same vertical scales). Videologic told me their tuner measured 'flat', albeit not within the unrealistic 0.15dB limits quoted.

DRAFFT appears to confirm what I heard in comparative listening tests: that DAB and/or the DRX-601E emphasise high frequencies a little, giving a bright sound, one that is also a little light on bass. More attention needs to be paid to sound quality before DAB rivals VHF/FM. There's the usual simple and complacent view that because it is 'digital' it is perfect.

Most transmitted DAB programme produced strong music energy levels from 30Hz-18kHz. XFM actually managed 20Hz right up to 18kHz almost flat and I measured and could hear sub-sonic bass (10Hz-40Hz) from this station too. I noticed that transmitted energy levels cut off sharply at 18kHz though, instead of rolling down smooth-

ly, suggesting MUSICAM imposes an 18kHz limit, making DAB little different from VHF/FM.

The tuner delivers 2.1V output maximum, so it will match all amplifiers easily.

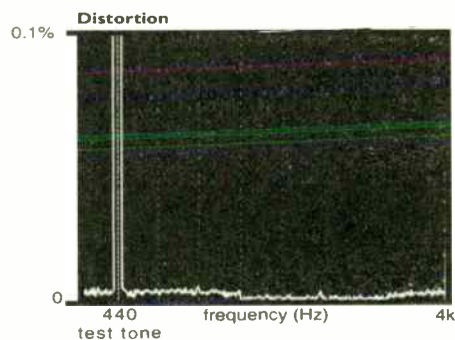
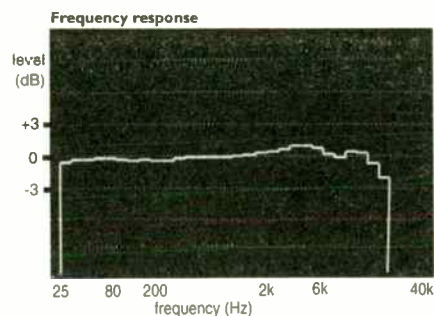
Distortion from a transmitted DRAFFT signal measured 0.009% on a 440Hz, 0dB tone - a very good result. Videologic claim 0.01% distortion at 1kHz. Our analysis shows distortion harmonics barely exist.

There's no quoted channel separation figure. Psychoacoustically, only 30dB or more is needed for full perceived stereo, and I am sure DAB can achieve this.

Noise measured -103dB, IEC A weighted. There was a measurable 50Hz hum component, giving a -93dB unweighted figure, but this was too low to be audible. The tuner is totally silent in use.

Muting lifted above 6µV or so, making the DRX-601E very sensitive. Videologic told me it has a Panasonic head unit, which obviously has a good performance in this important area. The signal strength display has sixteen segments, of which I could get only 5 to light (around 80µV). It would take a lot of signal to get them all to light I suspect, and Videologic have not linked full illumination to input overload, stipulated as 125mV across 50ohms for DAB. I feel this display could be better thought out and specified in the handbook, which currently says little about it.

The DRX-601E measures well in all areas, except frequency response, which does not look very flat. This could well be attributable to DAB transmission chain characteristics, rather than the DRX-601E.



Comparing the DRX-601E to the Denon TU-S10 clearly shows that DAB measures little better than VHF/FM, their specifications being similar.

A strong point in favour of the DRX-601E is its high sensitivity. This will affect user perceptions, the unit offering full performance from "a piece of wet string", something VHF/FM cannot do. It is an impressive box of tricks for £299.

**NK**

Frequency response	30Hz-20kHz
Stereo separation	-dB
Distortion (50% mod.)	0.009%
Hiss (IEC A)	-103dB
Signal for minimum hiss	6µV
Sensitivity	6µV
Signal strength meter:	2µV-?
Output	2.1V

### DENON TU-S10

The audio frequency response of this tuner extended just a little further than most - to 16kHz rather than 15kHz. The slight blip at the top end of its response, seen at right in our analysis, suggests Denon are using a highly tuned mpX filter to suppress pilot tone at

19kHz, squeezing just a little more bandwidth from VHF/FM. Response limits (-1dB) were 5Hz-16.1kHz, with just 0.25dB total variation across the band. Denon consistently produce good tuners and quite obviously this one measures unusually well. A DAB tuner

can manage little better than this, in theory reaching 20kHz - just a little further right in our analysis.

Distortion was minimal, hovering just below 0.1% in stereo. At this level the generator cannot be discounted from the measurement, although distor-

# CLASSIQUE SOUNDS. (LEICESTER) INC ONE THING VINTAGE HI-FI & VALVE SPECIALIST

## FOR SALE PRE/POWER AMPLIFIERS

Musical Fidelity Pre-3 pre-amp (Mint) Boxed	£ 179	Shalford SC22 Valve pre-amp (Mint) condition	£ 125
Audio Research D70 valve power amp Ex/cond	£1095	Audiolab 8000c pre-amplifier	£ 109
Adcom GFA565 Huge mono power amplifiers X 2	Balanced inputs. Cooling fans. 300 Watts per channel. Only	£ 950	Pair
Int SP1 pre-amp & Square MC board / 3 Pak 2 Power supply	& Nexus Sam 40 power amplifier. Mint. Boxed	£ 450	
Quad 606 MK1 power amplifier. Excellent condition	£ 399	Musical Fidelity P3A Pre-amplifier. Mint. Boxed	£ 225
Cambridge Audio 140i int. amplifier. 40W MM/MC	£ 89	An am Alpha 2 amplifier. Good condition	£ 89
Leak stereo 50 valve power amplifier. Very rare	£ 495	Leak Stereo 50 valve power amplifier. Rare	£ 495
Yar Heatkit MA12 mono valve amplifiers	£ 249	Quad 34 pre-amplifier. Grey finish. 5 pin din. Boxed	£ 195
Yamaha DSPES80 Dolby prologic digital sound-field processor	C/A centre and rear spkrs & remote. Mint. Boxed	£ 250	
Oxford Acoustics Mistral int amp. Cost £450	£ 149	Sugden Opium 140 int line amp/remote. Ex con. Boxed	£ 275
Quad 303 power amplifier. Ex condition	£ 125	Townsend 600c pre-amplifier with mm/mc phono	£ 125
Richard Allen pure class A integrated amp. Mint	£ 160	Sugden A21 class A amplifier & sleeve. A class	£ 149
Musical Fidelity The Pre-amplifier with MM/MC	£ 199	Technics SHGE70 Graphic Equaliser 12 presets	£ 80
Cambridge 125 integrated amplifier. Ex condition	£ 99	Exposure 1V power amplifier. Excellent condition	£ 90
Rowe RB970 BX power amplifier. Mint.	£ 99	Sony TAF 3000Es integrated amplifier (£500) Mint	£ 300
Arcam Zeta 1 Pro logic Cinema amp. Cost £999.00	£ 450	Quad 33 pre-amplifiers	£ 75
TA76c line level valve pre-amplifier. Mint.	£ 150	Cent 310A integrated transistor amplifier	£ 99
Leak Stereo 20 valve power amplifiers. Front	£ 200	Marantz PM6010RSE int amp/remote. Mint. Boxed	£ 140
Musical Fidelity Electra E10 int amplifier. Boxed	£ 150	Conostaur/Sugden stereo valve pre/power amp. Mint	£ 249
Quad 11 Various. Price depends on condition	EPOA	Sugden G151 pre-amplifier. Excellent condition	£ 99
Pioneer A400 amplifier. Ex condition. Boxed	£ 125	Quad 44 pre-amplifier with 5 pin din and MC board	£ 225
Naim Nac 42.5K pre-amplifier with MC board.	£ 195	Sugden A48 amplifier	£ 90

## TURNTABLES

Linn LP12/Valhalla/Track. Mint condition. Boxed	£ 550	Revolver TTable / Linn Basic + & AT. Mint. Boxed	£ 169
Michell Focus One with Linn Basic Lvv arm. Ex con	£ 199	Rega Planar 2 c/w rega RB200 arm. Wood plinth	£ 95
Luxman PD277 Direct drive turntable	£ 170	Trio KD550 Direct drive turntable	£ 95
Dunlop Systemdeck Turntable Complete with Syntex 2	pick up arm the original & the best. Excellent condition	£ 299	
Armon RD110 turntable. Cut-out for SME 3009	£ 75	Technics SL150 D/D deck. C/W SME3009 amp arm	£ 150
Thorens TD166B. Deck only. Cut-out for SME. Boxed	£ 150	Thorens TD125 in SME 2000 plinth. Cut-out for SME	£ 60
Armon RD80 turntable. C/W Linn Basic Lvv arm	£ 149	Garrard 301 & 401 motor units. All serviced from	£ 125

## SPEAKERS

Quad ESL57 speakers. All fully serviced with full 3 months warranty. Hear what ESL57s should sound like. From	£ 700	pr
Pair Quad ESL57 spkrs. Fully rebuilt, the 4 Recon bass & 2	recon treble units. All new electronics. 12m warranty	£ 1199
Celestion Dinton 25 in. teak. Very good condition.	£ 139	Reconwood/Glastonbury 2 speakers. Ex condition
B&K Beovox 3800 speakers. Mint. Large	£ 49	Kef T27 tweeters. Pair. rt
B&W DM1220. Slight cabinet marks. Boxed	£ 79	Celestion Dinton 44
Marduant Short MS201 Pearl. Black finish. New	£ 169	Richard Alan monitor speakers. Good condition.
Audioplan Kontrast 2. Ex cond/boxed. Were £2800	£ 995	Paradigm mini monitor speakers. As new. Boxed.
Cambridge R50 transmission line speakers. Rare.	£ 259	Heybrook Heybos. Black. Boxed. Ex condition
Kef kit 62 with B139/B110 Scans-peak D2905-9300	tweeters	Expensive X overs. Gut wrenching base. Awesome
Rogers LS6 speakers in teak. Mint. Boxed	£ 125	Pirate stands for Snell J speakers. Black
Spendor SP2/3. Black finish. Boxed/instructions.	£ 595	Kef Cresta/2. Black. Mint condition. 4 months old
Tannoy Arden Huge monsters. 15 HPD G/cond	£ 495	Heybrook HB1 speakers. Piced to sell
Rose powered Acoustimas 3 spkrs. Unused/boxed	£ 295	Dynalab 2.8 reference speakers. Cost £1200. Unused
Ruarh Sabre. Black finish. Mint condition	£ 170	Heybrook HB2 speakers. Black finish.
Snell J2 speakers. Black finish. Ex condition. Boxed	£ 495	Bose 301 MK3. Unused. Boxed. Mint. Black finish
Pair Rogers Studio 5 speakers. Rosewood finish.	£ 250	Cabasse Caravelle speakers. Beautiful midrange

## OTHER ITEMS

Linn Tuner. Mint. Boxed. Very unusual. Con £549	£ 249	Cyrus FM17 tuner. Mint. Boxed. Was £400 only	£ 229
Teac TR450 tuner. AM/FM synthesized/RDS. Boxed	£ 69	SME Series 3 tone-arm. Ex condition	£ 125
Arcam Alpha 5 cd player. Mint. Boxed/remote	£ 195	Quad 66 CD player with remote. Ex condition	£ 325
Aiwa AD-S750 Dolby B-C-S/Hx pro Cassette. Mint.	£ 75	Pair of Lowther PM6A drive units. Need recone	£ 150
Quad rack for 4x FM/405 good condition	£ 40	Cable talk concert 2.1 speaker cable. 5m pair/plugs	£ 65
Leak troughline 3 stereo tuner. Fully serviced	£ 195	Revox B77/2 2 speed reel-reel player. Ex condition	£ 395
Leak stereofit tuner. Similar to Troughline.	£ 35	Leak 2300 tuner. Serviced by One Thing. Mint	£ 49
Marantz CD52 MK2 CD player. Mint. Boxed	£ 99	Dynamic Range expander by DBX -1B-X 3 Band	£ 150
Kef B200 drive units. New old stock. Boxed	£ 45	Audax HD-13D -34H tweeters. New old stock	£ 25
Sugden T48 tuner. Sounds superb	£ 95	Arcam Black Box 50 DAC. Unused. Cost £480. Mint	£ 240
Neridian 303 MKV B/S DAC. Mint. Boxed	£ 160	SME series 3009 series 2 arm. Mint. Boxed/instr	£ 125
SME 3009 arm. Res-serviced by Technical & General	£ 150	Cambridge CD4 cd player/remote. Mint	£ 70
Trio KX780 cassette player 3 head. Dolby B/C	£ 95	Arcam Alpha 75E CD player. Mint. Boxed. Cost £349	£ 220
Phillips CD101 CD player. Slight fault. Sought after	£ 75	Shure N153 cartridge. Excellent condition	£ 50
Ear 834P mm only valve phono pre-amp. S/hand	£ 249	Tho KT880L synthesiser tuner. AM/FM. Black	£ 75
Hadcock tone-arm with Linn arm-board	£ 149	Technics SL-PS620A CD player/remote	£ 75
Quad 34 moving coil module. Mint. Boxed	£ 40	SME 3009 tonearms from	£ 70
Technics Class AA 3 head cassette deck. Dolby B/C	£ 80	HX pr Adjustable Bias control. Good condition	£ 80
Aiwa XT940 tuner. Boxed. Fin/Lw/Mw/CW tuner	£ 75	Avantic Beam Echo BM611 AM/FM tuner. Serviced	£ 150

## QUAD ESL57 & ELS63 PANELS/SERVICING ETC

Fully reconditioned Quad ESL57 speakers from only £700.00 pr. Why spend £4000? Rebuilt & soak tested ESL57 int. panels £100. Bass panels £120 C/W new dustcovers. Exchange Rebuilt & soak tested ELS63 Treble panels £100. Bass panels £120 C/W new dustcovers. Exchange New high spec 2 in 1 rectifier boards £ 90 Pair. Clamp boards (price per pair) £ 50 New socks for Quad ESL63s. Black or brown. £38 pr. Other colours available. + £ 20 Refurbish ESL57 Grille with fabric overcover. Black or brown. Each. £ 30 Stands for ESL 57 speakers. Wood finish. £150 Pair Transformer rebuild kit for ESL57. Complete. Priced for a pair. £ 45

Have your ESL57s refurbished for only £299.00/pr  
Ring for full details

"Classique Sounds servicing restores the Quads to a position where they can hold their head high", Jon Marks. HI-FI WORLD. April 1999.  
Full servicing facilities available - ELS 63 now catered for.

Troughline tuner service & realignment £95.00. (excludes valves. Rarely needed)  
Subject to tuner being in a serviceable condition, with no major faults or modifications

TRANSLUCENT. (some what of a bargain) Hi-Fi World, Jan 1999

## PURE SILVER INTERCONNECT CABLE

99.99% pure silver conductors. Quality gold plated RCA phono plugs.  
Half Metre terminated £60.00 One metre terminated £80.00  
7 day money back guarantee if not better than existing cable. Regardless of price or quality

One Thing Mains cables. Class 1 RFI suppressed. Silver plated conductors.  
Voltage spike protection. only...£55.00

## NEW EAR/YOSHINO EQUIPMENT

Ear 834P MM/MC phono stage with/without volume.	Brand new. Boxed at only £529
Ear 834P MM phono stage. No volume control.	Brand new. Boxed at only £379
Ear 834L Line only valve pre-amplifier. Amazing.	Brand new. Boxed at only £479

301/401/124 PLINTHS (lets the Garrards inherent quality show through) Hi-Fi World. Oct 98  
Plinths @ only £199 unfinished or £299 finished (venerated)  
Awarded 4 Globes October 98 (HI-FI WORLD)

WANTED Vintage and modern hi-fi Dept. Part exchange welcome

Tel/Fax 0116 2835821 or 0800 213740 (Mobile). Callers by appt only.  
Opening times 10.00am-6.00pm Mon-Friday. 10.00am-2.00pm Saturday.  
Classique Sounds, 61 Aylestone Drive, Aylestone, Leicester, LE2 8QE

# Cable Talk

Interconnect & Speaker Cables

1994



Best Speaker Cable

1995



Best Interconnect & Highly Recommended Speaker Cable

1996



Best Interconnect & Best Speaker Cable

1997



Best Speaker Cable & Highly Recommended Interconnect

Interconnects Speaker Cables

Doesn't Your System Deserve The Best?

FOR FURTHER INFORMATION

Please telephone, fax or write to

**Cable Talk,**

Unit J, Albany Park, Camberley, Surrey, GU15 2PL

Tel (UK ONLY): FREEPHONE 0800 - 100 - 6868

TEL: (+44) (0) 1276 686717. FAX: (+44) (0) 1276 686353

(CT HFW 02/01)

# diverse vinyl

01633 256261 / 259661

10 Charles Street Newport South Wales NP20 1JU.

sales@diverse-music.co.uk

## Forthcoming Releases

Badly Drawn Boy	Hour Of Bewildbeast	£10.90
Beatles	1 (Comp Of No Ones)	£18.90
Captain Beefheart	Grow Fins Vols 1 and 2	each
Captain Beefheart	Decals/Spotlight/Clear	each
Coldplay	Parachutes	£15.90
Doves	Lost Souls	2LP
Eric Clapton/BB King	Riding With The	£16.90
Giant Sand	Chore Of Enchantment	2LP
John Lennon	Imagine (Reissue)	£15.90
Kinks	Arthur/Percy/Kinda/Lola	each
Led Zeppelin	1 (Classic Records)	£25.90
Madonna	Music	£12.90
Moby	Play	£12.90
Radiohead	Kid A	£18.90
Steely Dan	Two Against Nature	£16.90
Van Morrison	Back On Top/You Win	each
		£21.90

## New Stock And Recent Reissues

Attica Blues	Test Don't Test	£14.90
Bodkin (Reissue)	Bodkin (Amazing Sleeve)	£15.90
Byrds	Saucy Volume 2	£14.90
Cosmic Rough Ryders	Enjoy The Melodic Sunshine	£10.90
Country Joe/Fish	Feel Like I'm Fixing To	£15.90
Courtney Pine	Back In The Day	£15.90
David Bowie (SV)	Space/Man Who/Hunky	£TBC
Ed Harcourt	Maplewood	£7.90
Elvis Presley	Peace In The Valley	£49.90
Erykah Badu	Mama's Gun	£TBC
Gram Parsons	Lost Recordings (65-66)	£15.90
It's Jo and Danny	Lank Haired Girl To Bearded	£9.90
Kathryn Williams	Little Black Number	£10.90
Kingsbury Manx	The Kingsbury Manx	£10.90
Led Zeppelin	2 (Classic Records)	£25.90
Lemon Jelly	First 3 EP's	£14.90
Neil Young	Road Rock 1 (Live)	£TBC
Paul Simon	You're The One	£16.90
Spirit (Sundazed)	Eventide/ Now And	£14.90
Tosca	Suzuki In Dub	£15.90

PLUS WE NOW STOCK THE DISCO ANTISTAT  
LP WASHING DEVICE - PRICE £39.99 (Ask For Details!)

P & P £1.00 1st LP; 50p each Additional LPs (up to 5 LPs)

Call For Rates On Larger Orders. 24hr Service Now

**WWW.DIVERSE-MUSIC.CO.UK**



tion figures of 0.05% are possible. Our analysis shows just a little third harmonic in the mono (L+R) channel.

Channel separation was wide at 52dB and noise very low at -78dB in stereo. This is as low as VHF goes and in use it is low enough, hiss being inaudible at this level. The Denon needed 2mV to achieve this performance - known as full quieting - much like any VHF tuner. An outdoor aerial is usually needed for this, except close to a transmitter.

By comparison the Videologic managed -103dB noise, and could do this from an indoor wire. Technically, it is quieter, but in use there was no obvious difference on Radio 3 silences.

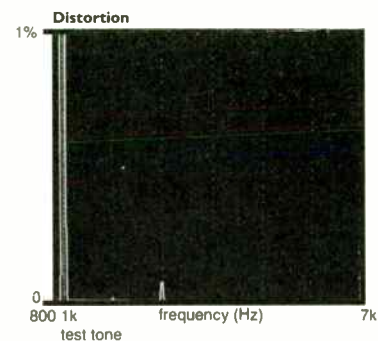
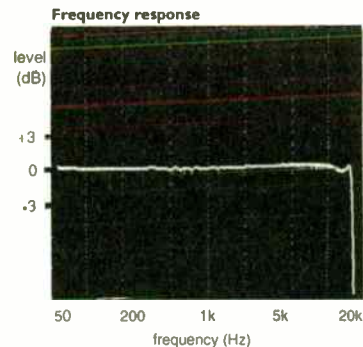
Pilot tone and sub-carrier suppression were good, at -77dB and -82dB. The TU-S10 produces little unwanted output.

Sensitivity was high at 1.2µV in mono mode, and just 26µV in stereo

mode (-50dB hiss). This shows where VHF keeps working down to almost no signal, albeit producing a lot of hiss. Stereo tuners mute, just like DAB. Muting can always be lifted by switching to mono, however.

The TU-S10 turns in a fine measured performance, showing just how good VHF/FM is. But it was designed to be good in the first place, hence the insignificant improvement offered by DAB. **NK**

Frequency response	5Hz-16.1kHz
Stereo separation	52dB
Distortion (50% mod.)	0.08%
Hiss (CCIR)	-78dB
Signal for minimum hiss	2mV
Selectivity (at 0.4MHz)	86dB
Sensitivity	
mono	0.8µV
stereo	25µV
signal strength meter:	none



## LOUDSPEAKERS

### CYRUS CLS70

This loudspeaker has a slightly odd response in places, the drivers going out of phase above axis. The phase matching is not wonderful. Response varied quite substantially according to microphone position, so where you sit will affect things. Overall, treble is shelved a dB or two below bass/midrange output, whilst bass rolls off smoothly in what looks like quite highly damped reflex loading. Pink noise sounded silky smooth with little bass rumble from the port. Loudspeakers like this are normally used close to a rear wall, and driven by a very powerful amplifier. The result is dry, tight and tuneful bass.

The impedance curve is unusually flat and very high up too, meaning the

### MISSION m71

This small loudspeaker has an almost reference standard flat frequency response; our analysis clearly shows there's little variation right across the audio band. Particular strengths are a peak-free tweeter, suggesting smooth sounding treble reasonably free of colouration, and an absence of crossover region suckout. This last phenomenon, in moderation, softens the sound of a loudspeaker but also suppresses detail. Conversely, I'd expect the m71 to sound smooth but highly detailed across its high frequencies. This sort of performance comes from fundamentally good drivers, something that tends to bring more than the obvious

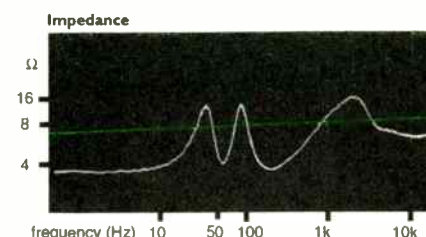
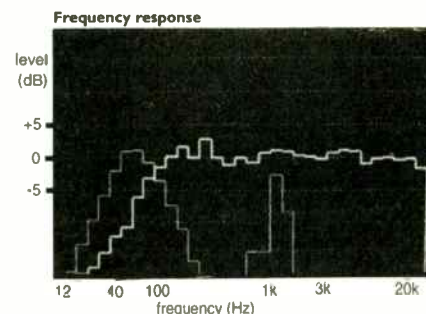
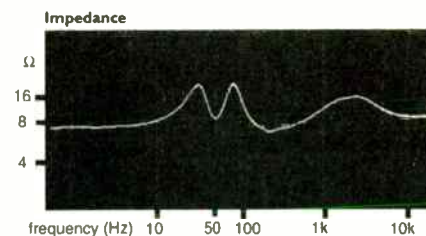
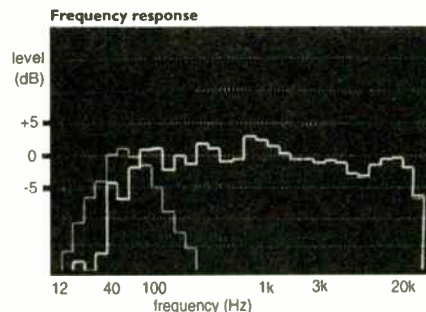
CLS70 has high impedance and is an easy, non-reactive load. The DCR was a high 7ohms and overall impedance no less than 9.5ohms. However, this did result in low sensitivity of 85dB, another reason for using a powerful amplifier. I should point out though that this is a better option than using low impedance to draw more current, because most solid-state amps produce considerably more distortion than specified when driving low loads, a point commonly overlooked. The CLS70s need a muscular amplifier, a Musical Fidelity or Cyrus Smartpower coming to mind.

The CLS70 looks as if it's been designed for Rock, so listen first. It will likely sound tighter, faster and more impactful than many reflexes. **NK**

benefits I've mentioned.

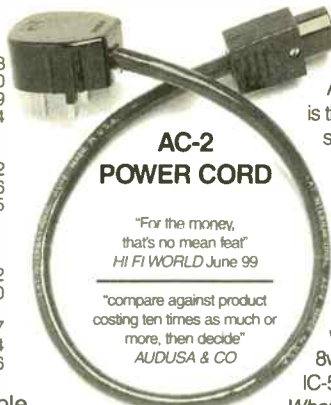
Lacking any bass peaking, and displaying a smooth roll down in output below 80Hz the m71s are likely to sound bass dry and well damped. They should be used close to a rear wall to bring low frequency output up a little. The large port needs some clearance behind it, so stands a foot or so from the rear wall are the best idea. The port peaks at 60Hz and reaches down to 40Hz (-3dB). Our analysis shows it also outputs a strong midrange box honk, which may be returned from a hard rear surface.

The impedance curve shows symmetrically placed port resonance, which



LAT AC2 POWER CABLES AND DISTRIBUTION BOXES ARE AVAILABLE FROM:

- Audio Concept - Ealing - 020 8567 8703
- Audio Reflections - Wakefield - 0113 252 8850
- Audio Venue - Cranford, Middx - 020 8707 4849
- Custom Cable Service - (mail order) - 020 8942 9124
- Digital Definitions - Haywards Heath, W.Sussex - 01444 473292
- HiCam - St. Austell Cornwall - 01726 74474
- KJ West One - London - 020 7486 8262
- Musical Images - Covent Garden - 020 7497 1346
- Musical Images - Edgware - 020 8952 5535
- Orpheus Audio - Lancs - 01257 473175
- Sound Academy - Bloxwich - 01922 493499
- Sounds Of Music - Tunbridge Wells - 01892 547003
- Sounds Of Music - London SE1 - 020 8357 8882
- The Listening Rooms - London SW7 - 020 7244 7750
- The Right Note - Bristol - 01225 874728
- Unilet Sound & Vision - New Malden - 020 8942 9567
- Unique Audio - Neasden, London - 020 8450 7384
- Kronos Hi Fi - N Ireland - 01868 753 606



**L A T INTERNATIONAL**

*World Class Cables Made in U.S.A*

AC-2 Power cable - Silver clad, Teflon insulated at 10awg; this is the largest gauge of power cord we know of. The design of our shielding system effectively eliminates interferences from RF and EMI sources. Fitted with a MK Tough plug and IEC or Fig of eight connector. European connectors also available.



Solder connections with Wonder Solder 2ft £53. 3ft £65, 4ft £77, 6ft £99. Other lengths to order. 4, 6 and 8 way all steel distribution boxes with 3 ft of cable & MK Tough plug 4way £161, 6way £194, & 8way £226. Analogue Interconnects, IC-50, IC-80, IC 100, IC, 200. - refer What Hi Fi for review ratings. Hi-Fi World Sep 99 - IC-50 "this months bargain". Speaker cables - SS800, BIWIRE, SS1000

HI-FI World Aug 99 "gained speed, control & involvement. Improved cohesion and musicality"

*Taperwire*

flat speaker cable

418 \*\*\*\*\* WHAT-HIFI, What Hi Fi Ultimate Hi Fi Guide

**Sunfire Corporation**

....from the mind & soul of Bob Carver



CLASSIC TUBE PRE AMP, optional all valve phono stage (MMMC) with CD input (reverse RIAA equalisation)



STEREO POWER AMPLIFIER 300 wpc HEXFET with no heat sinks

FIVE CHANNEL POWER AMP 200 wpc x 5 - HEXFET with no heat sinks  
THEATRE GRAND PROCESSOR PRE-AMP- phono stage, tuner, Dolby Digital, DTS, auto source sensing, intelligent remote

2700 watt TRUE SUB-WOOFER 11 inch cube 18Hz Patent No 4218660 & 4484150  
2700 watt SIGNATURE SUB-WOOFER 13 INCH CUBE 16Hz



From Ohio, USA a polymeric, mat with a uniform multilayer of a specially formulated mixture of organic compounds. Clarity and depth in music from CD's, sharper picture and brilliant colours from DVD £25-14 day money back warranty

4 Arundel Road Kingston UponThames Surrey KT1 3RZ  
Tel: 44 (020) 8241 9826  
Mobile: 020 8264 0249  
Fax: 44 (020) 8241 0999  
E-Mail: weere@cablenet.co.uk

**AUDUSA & Co**

**www.audusa.com**

**Vacuum Tubes for Audio Are Back!**

*Glass Audio* brings together yesterday's tube with today's improved components, voltage control, and the exciting new Soviet tubes, to make smooth sound in your livingroom possible again!



**YES!**

Please send my first issue of *Glass Audio*. I'll pay just \$45.00 for six issues (1 year); \$80.00 for 12 issues (2 years) of the best information on tubes to be found anywhere. I understand that my satisfaction is guaranteed!

Name \_\_\_\_\_

Street & Number \_\_\_\_\_

City \_\_\_\_\_ Postal Code \_\_\_\_\_

Country \_\_\_\_\_

REMIT IN US \$ DRAWN ON A US BANK ONLY. PRICE GOOD THROUGH DECEMBER 31, 1995.

We Accept MC/VISA.

**Glass Audio**

PO Box 176, Dept. HFWS, Peterborough, NH 03458-0176 USA  
Phone: (603) 924-9464 or FAX 24 hours a day (603) 924-9467



applies maximum acoustic damping. The port is well tuned to damp the bass unit effectively. The impedance curve is pretty benign too, displaying no sudden V/I phase changes, apart from the peaks around bass unit resonance which all reflexes suffer. Low reactance at middle and high frequencies is a good sign.

The impedance curve has an 8ohm upper section and 4ohm lower one, measuring out at 6ohms overall. However, to an amplifier, pushing most current in the bass region, this will look more like a four ohm loudspeaker - but then most loudspeakers are like this nowadays. Mission are trying to keep

the voltage sensitivity up, so the m71s appear to go loud at any particular volume setting. They have managed quite well; a reasonable 86dB SPL was returned - good for a small loudspeaker.

As always Mission offer a loudspeaker engineered neatly all round in the m71. **NK**

## DVD PLAYERS

### T+A 1210R

The frequency response of this player varied according to filter used, No1 giving a conventional flat to 21kHz characteristic, as shown in our analysis. No2 and No3 gave faster roll off in the stop band to better suppress unwanted images. The trade off here is a non-flat in-band response, seen as 0.4dB ripple in No2 and a treble peak in Filter No3. The high resolution vertical scale of our analyses (0.5dB/division) emphasizes these effects

Filter No4 (not shown) rolled down early, measuring -1dB at 12.6kHz and -3dB at 20kHz. Subjectively this will be quite audible as a warmth or lack of top end sparkle in the sound from filter No4, depending somewhat upon programme. Modern Dance, for example, which can a lot of treble energy will clearly lack top end zing, but with a lot of classical differences might be difficult to detect.

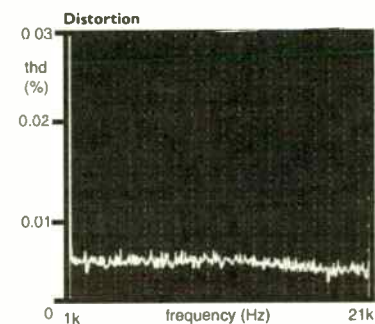
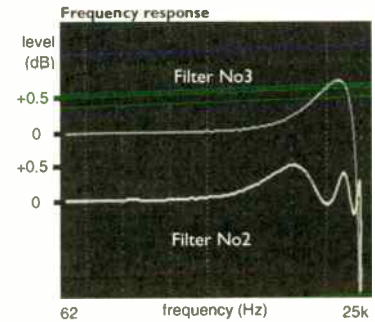
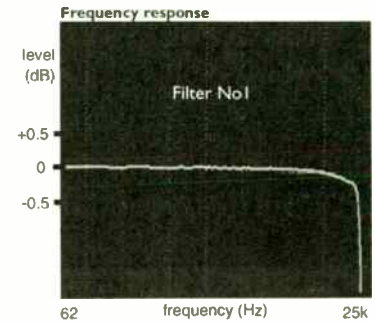
Filter No4 also gave most energy above 20kHz with 24bit/96kHz sound track audio, although the player had a filter notch at 24kHz that removed a lot of energy. There was a smooth roll down otherwise, as I'd expect of a real harmonic structure, rather than unwanted aliases. The T+A did half a job

with 24/96 audio.

There was minimal distortion, very low noise and high channel separation, so otherwise the player was fine. Output was a high-ish 2.5V.

This player will sound smooth with filter No1, probably a bit drier and brighter with No2 and 3, and warm but likely most atmospheric with No4. It's handling of 24/96 sound track wasn't ideal but the audio side can be set as desired, much like the venerable Cambridge CD-1. **NK**

Frequency response (filter No1)	4Hz-21kHz	
	left	right
Distortion		
-6dB	0.006	0.006
-30dB	0.08	0.008
-60dB	0.3	0.3
-90	27	27
Separation	left	right
1kHz	130	128
20kHz	106	105
Noise	-112dB	
Dynamic range	110dB	
Output	2.56V	



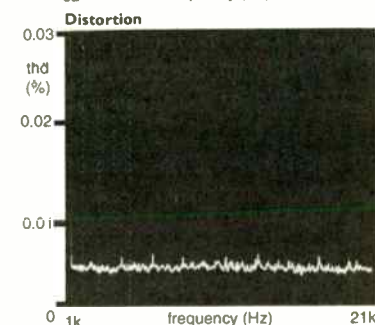
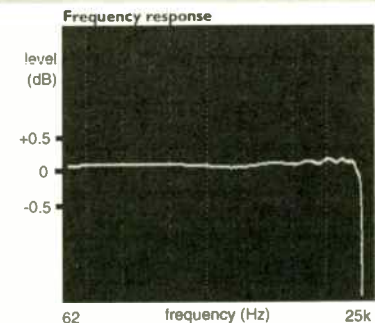
## CD PLAYERS

### KENWOOD DPF-3030

The DPF-3030 has a shallow dip in its frequency response just above 1kHz, which may well produce a little softness in its sound, even though high frequencies rise back up to normal level. In conjunction with DRIVE, which effectively reduced low level (-90dB) distortions from around 30% to 10% it's likely the Kenwood will sound different from usual, likely smoother and easier going than most budget CD players.

These unusual characteristics apart the DPF-3030 measured well in all areas, so it is likely to give an interestingly different presentation to the norm. **NK**

Frequency response	4Hz-20.5kHz	
	left	right
Distortion		
-6dB	0.006	0.006
-30dB	0.008	0.008
-60dB	0.4	0.39
-90	10	10
Separation	left	right
1kHz	110	110
20kHz	105	105
Noise	-122dB	
Dynamic range	110dB	
Output	2.2V	



# Oxford Audio Consultants HI-FI SPECIALISTS

WE'VE MOVED RIGHT NEXT DOOR TO  
MUCH BIGGER PREMISES WITH SUPERB  
PURPOSE BUILT DEM ROOMS



## NOW DEMONSTRATING

**KRELL KPS 28 CD PLAYER** - a fantastic new CD player from our favourite manufacturer priced at £7777

**WILSON AUDIO SYSTEM 6** - A MAJOR ADVANCE ON WHAT WAS OUR BENCHMARK

**TAG MCLAREN** - We are delighted to have been appointed a stockist of these superb products including the F1 speakers

**KEF LOUDSPEAKERS - Q SERIES MK 2** - EXCELLENT VALUE

**THETA CARMEN** - A TOP-CLASS DVD PLAYER

**NAIM AUDIO 5 SERIES** - NEW LOOK, NEW STYLING, NEW SOUND

**MARTIN LOGAN PRODIGY** - a fabulous new speaker from this world-class company

**LOEWE TELEVISIONS** - we stock this premium range incl the fabulous ACONDA

**VIENNA ACOUSTICS MAHLER LOUDSPEAKERS** - top-class sound and finish

**MARANTZ CD7 CD PLAYER** - outrageous value for money

**LEXICON MCI HOME THEATRE PROCESSOR** - superb quality

**THETA DREADNOUGHT POWER AMP** - awesome!!

**SONUS FABER AMATI HOMAGE** - a sensational world-beating product from our favourite Italian company

**NAKAMICHI SOUNDSPACE 8** - perfect on the wall

**DENON AVC-A10SE HOME THEATRE AMPLIFIER** - A KNOCK-OUT FOR £1300

**SHARP LCD MONITORS - 15" AND 20" ON DEM**

**NEC 50" LATEST GAS PLASMA MONITOR** - just brilliant!!

**AUDIO ANALOGUE MAESTRO CD PLAYER** - staggering build quality and unrivalled sound

\*\*\*\*\*MAIL ORDER INTEREST FREE CREDIT AVAILABLE\*\*\*\*\*

## EX DEM & P/EX BARGAINS

NAIM HICAP MINT	£50	SH
AUDIO RESEARCH LS25 PREAMPLIFIER	£495	SH
AUDIOLAB 8000S AMPLIFIER	£395	SH
NAIM 62 PREAMPLIFIER	£150	SH
NAIM CDI CD PLAYER	£895	SH
TRANSPARENT ULTRA S/E INTERCONNECT IM	£495	SH
PATHOS TWIN TOWERS AMP AS NEW	£2795	
AUDIO RESEARCH SP9 MK 3	£995	SH
QUAD ESL63 SPEAKERS BROWN	£1195	SH
KRELL KSA100S POWER AMPLIFIER	£1795	SH
QUAD 77 CD/TUNER/PREAMP/POWER AMP	£1495	SH
MARTIN LOGAN SL3 SPEAKERS LIGHT OAK EX DEM	£2295	XD
PARASOUND CDC1500 MULTI DISC CD EX DISPLAY	£495	XD
NAIM 92/90 PRE/POWER AMP EX DEM	£750	SH
WILSON CUBS EX DEM	£3995	XD
JADIS ORCHESTRA AMPLIFIER	£795	XD
KRELL KAV300 CD PLAYER EX DEM	£2995	XD
KRELL KAV300CD AS NEW	£3650	
SONUS FABER CONCERTO GRAND PIANO EX DEM	£1295	XD
RLARK TALISMAN	£295	SH
MARANTZ DVD890 DVD PLAYER EX DEM	£295	XD
DENON AVR900 A/V AMPLIFIER	£295	XD
TEAC VRDS25 CD PLAYER EX DEM	£595	XD
VIDIKRON HELIUS PROJECTOR - OUR DEMONSTRATOR	£7995	XD
DAVIS LITEBEAM PROJECTOR	£1995	XD
AUDIO RESEARCH VT60	£1295	XD
WILSON SYSTEM FIVE EX DEM	£7995	XD
UNISON RESEARCH SMART 845 - our demonstrator	£1995	XD

## 0% INTEREST FREE CREDIT

Licensed Credit Broker

Agencies include: Audio Analogue, Audio Research, Audio Technica, B&W, Cable Talk, Castle, Copland, Denon, Graaf, Goldm, Jamo, Jadis, KEF, Koetsu, Krell, Lexicon, Loewe TV & Video, Lyra, Marantz, Martin Logan, Michell, Musical Fidelity, MRS, NAD, Naim, NEC Gas Plasma Screens, Nordost Cables, Onkyo, Opera, Ortofon, Pioneer, Proac, Project, QED, REL Subwoofers, Rotel/Speakerscraft, Sennheiser, SME, Sonus Faber, Sonance, Stands Unique, Stax, Target, TAG McLaren, TEAC, Theta, Thorens, Transparent Cables, Unison Research, van den Hul, Vidikron, Wilson, Yamaha

TAX FREE EXPORT SERVICE  
MAIL-ORDER AVAILABLE ON MANY ITEMS

Open Mon Sat 10am-6pm

# Oxford Audio Consultants

Oxford Audio Consultants, Cantay House, Park End Street Oxford OX1 1JD

Telephone: Oxford (01865) 790879 Facsimile: Oxford (01865) 791665

E-MAIL: Oxford.Audio@btinternet.com

WEBSITE: www.oxford-audio.co.uk

# HICAM

CHERISHED PRE-OWNED HI-FI EQUIPMENT SOLD,  
PURCHASED, PIX.

WE URGENTLY REQUIRE NAIM, MERIDIAN, AUDIOLAB,  
LINN EQUIPMENT

MAIL ORDER ALWAYS A PLEASURE

DESCRIPTION	PRICE	£
AUDIOLAB 8000 T BOXED	750	495
AUDIOLAB 8000P BOXED POWER AMP		495
AUDIOLAB C PRE AMP		
AUDIONOTE EL SPK MINT INC STANDS	1780	995
ALCHEMIST NEXUS APD32A 24 BIT CD PLAYER	599	495
ALCHEMIST TS-D1 24 BIT DAC	299	225
AVI S2000MC 24 BIT CD PLAYER	999	895
AUDIOQUEST INDIGO 2X2METRES	90	50
ALPHASON AKROS 2 SPEAKER STANDS BOXED	65	40
AV1 S2000 MM MONOBLOCKS	1399	1195
AVI S2000MT11 AM/FM REFERENCE TUNER	899	725
DALI EVIDENCE 870 FLOORSTANDING SPEAKERS	1299	999
EAR MC3 MC TRANSFORMER	629.95	475
DALI ROYAL MENUET MK2 CHERRY FINISH	399.95	295
DALI EVIDENCE C70 CENTRE SPEAKER	399.95	325
HEYBROOK QUARTET ROSEWOOD FINISH	550	300
LAT AC2 6 WAY DISTRIBUTION BLOCK 3 FT	194	170
LAT AC2 POWER CABLE 3 FT	65	55
SME V ARM MINT SEALED BOX	1243	1150
TALK ELECTRONIC THUNDER 1 CD PLAYER	599.95	495
MICHELL GYRODECK SE RB 300	950	825
MICHELL ARGO/HERA PRE/PSU		350
TALK ELECTRONIC CYCLONE 1 INT AMP R/C	599.95	495
MICHELL ALECTO MONOBLOCKS	1989	1599
MICHELL ORCA PRE AMP	1286	1100
MONRIO ASTY INT AMP MINT/BOXED	425	275
NAIM SBL LOUDSPEAKERS BLACK/BOXED	1700	795
NAIM 250 POWER OLD STYLE		795
NAIM 72 PRE AMP		375
MERIDIAN 508 20 BIT CD PLAYER		895
MERIDIAN 501 PRE/MSR		450
PRECIOUS METALS SILVER SIGNAL 202B BALANCED	430	350
PRECIOUS METALS SILVER SIGNAL 204 INTERCONNECT 1 METRE	430	350
PSB ALPHA 6 ACTIVE SUBWOOFER	499.95	425
PROJECT CLASSIC/PROJECT9/510 CHERRY MINT	450	375
REGA BRIO INT AMP		180
REGA RADIO TUNER		210
PSB ALPHA ZERO SUB ACTIVE	199.95	160
MERIDIAN 504 TUNER		450
RUARK LOG-RHYTHM ACTIVE SUBWOOFER 4 MONTHS OLD	800	450
LINN LK 280/LINN PRETEK BOXED		400
LINN LP 12/EKOS/LINGO/CIRKUS/TRAMPOLINE		1495
SPENDOR 2/2 LOUDSPEAKERS CHERRY FINISH	595	225
STAX SRS 2020 MK2 EARSPEAKERS	395	325
TARGET MX100 SPEAKER STANDS PIANO BLACK	79	60
TRICHORD RESEARCH 500 POWERBLOCK	299	265
SUMIKO BLUE POINT SPECIAL MC	249	195
SONETEER THE BYRON CD PLAYER	795	645
SONETEER THE SEDLEY PHONO STAGE MM/MC	399	325
SONICLINK BLUE NICKEL 1 METRE PAIR	150	70
SONICLINK AST 200 BI WIRE 1X3 METRE PAIR		60
LYRA LYDIAN BETA MC CARTRIDGE	599	495
SONICLINK RED EARTH 1 METRE INTERCONNECT	300	225
SONICLINK 8 WAY DISTRIBUTION BLOCK 2 METRE CABLE	225	175
SONICLINK VIOLET INTERCONNECT 1 METRE PAIR	85	40
PRECIOUS METALS SILVER SIGNAL 202 BOXED	290	125
EAR 834P MM/MC PHONOSTAGE	529	450

AGENTS FOR,

ALCHEMIST, AVI, CRIMSON, EAR, DALI, DNM, LAT, LOGIC, MICHELL,  
ORTOFON, OPTIMUM, PSB, PROJECT, PRECIOUS METALS,  
SNELL, SONETEER, SONICLINK, SUNFIRE CORP, TARGET,  
TOM EVANS, VDH, XLO, TRICHORD RESEARCH  
TALK ELECTRONICS, STAX MONSTER CABLE

OPEN MON-SUN 10AM-6PM  
FOR FURTHER DETAILS: TEL 01726 74474 / FAX 01726 70774  
E-MAIL: HICAM1@FREEINETNAME.CO.UK  
OR VISIT OUR WEBPAGE HICAM.CO.UK





## AMPLIFIERS

### DENON PMA-355 UK

Developing 66W into 8ohms and a healthy 110W into 4ohms, the PMA-355 has enough power for most situations. The power supply has good regulation and the rise in distortion caused by the heavy current draw of a four ohm load did not hamper the Denon in the way it did the Exposure tested this month. As loudspeaker impedances fall this becomes more of an issue. In fact, distortion levels were low all round, the very worst case being at full power, 10kHz into a 4ohm load, where 0.15% distortion was produced. Otherwise levels stayed below 0.1%, as they should in a transistor amplifier.

Frequency response was wide and flat, providing the tone control override switch was in. Otherwise, the PMA-355 had a bizarrely non-flat response, with bass roll-off. The tone controls themselves work well, but at zero they must be switched out.

The phono stage measured very well. It has no warp filter, so there'll be some cone flap with warped records,

### NAIM NAIT 5

The Nait is a low power amplifier, producing 32W into 8ohms and 56W into 4ohms. This is enough to go loud in small to medium rooms, especially if the loudspeakers are efficient floor standers.

Distortion levels were low, even when delivering current into 4ohms, the worst case being 0.06% at 10kHz, full output. Otherwise, levels hovered around 0.01% and, being primarily second harmonic, the Nait should sound smooth and clean.

Frequency response rolls off above 35kHz, again a characteristic likely to make the amplifier sound smooth.

### EXPOSURE 2010

The 2010 produced 50W into 8ohms and 56W into 4ohms, a minimal increase that points to mediocre power supply regulation. In conjunction with quite a steep rise in distortion into 4ohm loads the 2010 is best matched to sensitive high impedance loudspeakers for best results. These days, there aren't so many around, Castles being one appropriate choice.

Distortion at high frequencies measured 0.15% at low or high output levels, rising to 0.3% into 4ohms. With extended harmonics, this was classic crossover distortion and will likely give an edge to the amplifier's sound.

but more also more deep bass than a filtered stage. RIAA equalisation was accurate right across the audio band and hiss low at -75dB.

This amplifier measured well all round, except for the tone control circuit when set at zero. **NK**

Power 66watts  
 CD/tuner/aux.  
 Frequency response 6Hz-58kHz  
 Separation 66dB  
 Noise -95dB  
 Distortion 0.017%  
 Sensitivity 150mV  
 dc offset 1/0.8mV

Disc  
 Frequency response 11Hz-70kHz  
 Separation 58dB  
 Noise -75dB  
 Distortion 0.02%  
 Sensitivity 2.5mV  
 Overload 110mV

Sensitivity, noise and channel separation values were normal.

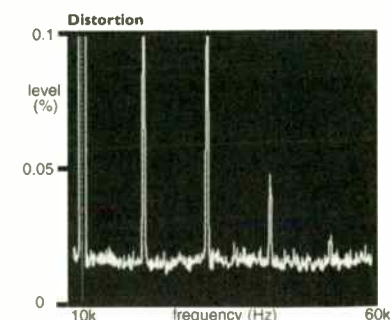
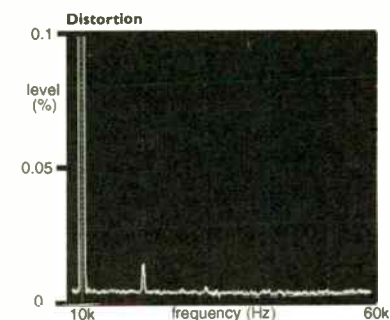
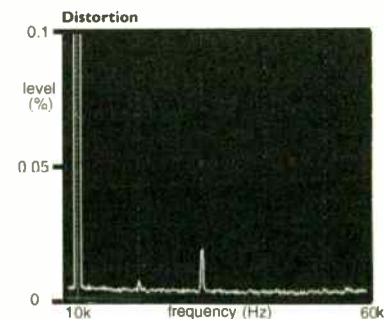
Naim's new Nait 5 is a neat, low power amplifier that measures well all round. It is nicely honed. **NK**

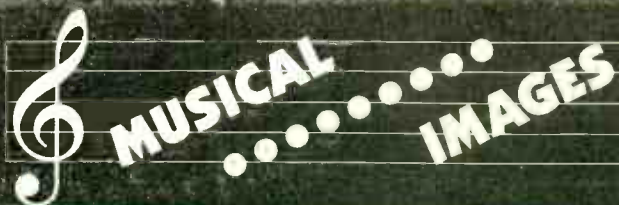
Power 32watts  
 CD/tuner/aux.  
 Frequency response 11Hz-35kHz  
 Separation 70dB  
 Noise -95dB  
 Distortion 0.008%  
 Sensitivity 300mV  
 dc offset 6/6mV

However, frequency response rolls down above 28kHz, which might soften things out a little.

The 2010 did not measure too well by current standards. **NK**

Power 50watts  
 CD/tuner/aux.  
 Frequency response 9Hz-28kHz  
 Separation 70dB  
 Noise -103dB  
 Distortion 0.02%  
 Sensitivity 260mV  
 dc offset 12/12mV





# MUSICAL IMAGES

PRODUCT		LIST	NOW
A&R ALPHA 6 CD Player	S/H	£600	£250
A&R DELTA90 Amp	S/H	£300	£120
Acoustic Energy AE 105SE Speaker	EX/DEMO	£350	£225
Acoustic Energy AE 509 Speaker	EX/DEMO	£850	£425
AVI POSITRON Speaker	EX/DEMO	£900	£600
CHORD CPA2200 Silver Pre Amp	EX/DEMO	£2,740	£2,200
CHORD DSC1100 Silver DAC inc Tragger	EX/DEMO	£3,815	£2,300
CHORD SPM1000B Black Power Amp	EX/DEMO	£2,920	£2,100
CHORD SPM1200C Silver Power Amp	EX/DEMO	£4,210	£3,400
CHORD SPM5000 Silver Power Amp	EX/DEMO	£15,000	£10,000
CYRUS 7 Amp	S/H	£700	£550
CYRUS DAD 1.5 CD Player	S/H	£400	£200
CYRUS PSX-R Power Supply Unit	S/H	£350	£175
CYRUS SL Amp	S/H	£400	£150
DEFINITIVE TECHNOLOGY CLR1000 Centre	S/H	£900	£300
DENON AVC2800 Surround Amp	S/H		£250
DENON AVC3800 Surround Amp	S/H	£800	£300
HARMAN KARDON AVR80&APD303 AV COMBO	S/H		£700
KEF Q90C Centre Speaker	S/H	£250	£100
KEF TDM45 Subwoofer	S/H	£800	£550
LINN KLOUT Power Amp	S/H		£1,200
LINN KOLEKTOR Pre Amp	S/H	£500	£350
LINN MIMIK CD Player	S/H	£1,000	£450
MARANTZ DV 4000 DVD Player	S/H	£400	£250
MERIDIAN 561 AV Processor	S/H	£2,850	£1,900
MERIDIAN 565 AV Processor	S/H		£750
MICROMEGA DVD DVD Player	S/H	£1,500	£500
MISSION 774 Speaker	S/H	£500	£350
MUSICAL FIDELITY E60 CD Player	S/H	£500	£130
MUSICAL FIDELITY XA-1 Intergrated Amp	EX/DEMO	£480	£400
MUSICAL FIDELITY XA-1 Intergrated Amplifier	S/H	£480	£320
MUSICAL FIDELITY XRAY CD Player	S/H	£800	£500
NAD 114 Pre Amp	S/H		£120
NAD 533 Turntable	S/H		£150
NAIM CD 3.5 CD Player	EX/DEMO	£1,112	£1,000
NAIM FLATCAP Power Supply	EX/DEMO	£370	£330
NAIM NAC 72 Pre Amp	S/H		£400
NAIM NAC 92 Pre Amp	EX/DEMO	£515	£470
NAIM NAC 92R Pre Amp with remote	EX/DEMO	£690	£590
NAIM NAP 140 Power Amp	S/H		£400
NAIM NAP 90/3 Power Amp	EX/DEMO	£487	£420
NHT VS1.2 Black Surround Speakers	S/H	£400	£200
NHT VS1.2 White Centre Speaker	S/H	£200	£100
POLK RT8 Speaker	S/H		£180
PRIMARE A20 Amp	S/H	£700	£500
REL STADIUM Subwoofer	S/H	£1,095	£600
ROKSAN RADIUS Turntable	S/H		£200
ROTEL RB981 Power Amp	S/H	£400	£275
SOUNDSTYLE X310 Black Rack	S/H	£280	£80
SOUNDSTYLE X6310 Green Rack	S/H	£265	£150
TAG McLaren PA10 Pre Amp	EX/DEMO	£850	£500
TANNOY MERCURY 2.5 Speaker	S/H	£170	£100
TUBE TECHNOLOGY UNISIS Stereo Power Amp	S/H	£3,000	£1,500
YAMAHA DSPA3090 AV Amplifier	S/H	£1,300	£650

#### Special Kef Reference Old Range Demo Offer

KEF MODEL 1 Rosetta Speakers	NEW	£1,550	£1,075
KEF MODEL 1 Classic Rosewood Speakers	NEW	£1,450	£950
KEF MODEL 1 Black Speakers	NEW	£1,350	£875
KEF MODEL 2 Rosetta Speakers	NEW	£2,150	£1,425

PLEASE VISIT OUR SHOWROOMS OR  
CALL OUR HOTLINE NUMBER FOR DETAILS.  
HURRY, THESE ARE ONE-OFF ITEMS!!

**SEE IT! HEAR IT! BUY IT!**

**HOTLINE NUMBER:  
020 7497 1346**

14-18 Monmouth Street, Covent Garden, London WC2H 9HB

E-Mail: [sales@musical-images.co.uk](mailto:sales@musical-images.co.uk)

Beckenham

Edgware

Hounslow

0208 663 3777

0208 952 5535

0208 569 5802

NOT VALID WITH ANY OTHER OFFERS OR PROMOTIONS E&OE

The Country's Largest Selection of

**Nearly New  
Hi-Fi  
Equipment**

*Discover big savings on specialist  
and high-end hi-fi equipment.*

**EX-DEM, EX-DISPLAY  
& DISCONTINUED ITEMS  
QUALITY USED EQUIPMENT  
ALL FULLY GUARANTEED**

*Always at least*  
**130 Amplifiers**  
*Solid State & Tube*

*More than*  
**70 CD Players**  
*Transports & DAC's*

*Vinyl Heaven*  
**30 Turntables**  
*and Phono Stages*

**Quality Tuners**

*Reel to Reel*  
**Tape Recorders**  
*Cassette & DAT machines*

*Hundreds of*  
**Loudspeakers**

**DO YOU HAVE HI-FI TO SELL?**

*Register your details now and  
receive discount vouchers worth £100!*

*Contact The Hi-Fi Company's*

**Trading Station**

By phone: (01733) 555514

By fax: (01733) 315079

By e.mail: [sales@audiotrader.co.uk](mailto:sales@audiotrader.co.uk)

or visit: [www.audiotrader.co.uk](http://www.audiotrader.co.uk)



Special Internet offer  
 see page 130 for details

Dealers must not advertise in the Private Classified section.  
 Monthly consecutive insertions will be considered Trade  
 advertising. The Publisher reserves the right to judge submissions.

**RUARK SOLSTICE** (Black Piano Lacquer) £2900 ono. Tel: 01622 721 011 or 07973 899 651 (May (I))

**COULD BOB JONES** please call Jon Marks about SR929. Tel: Jon 020 8546 6558 (Feb(I))

**MORDAUNT SHORT** Performance 860 Reference speakers, excellent condition, cost £1895, accept £895. Yamaha DSP E 492 Dolby Processor, rave reviews £120. Tel: 01869 278 249 (Mar(I))

**CONRAD JOHNSON PV-8** valve pre-amp with phono stage. Brand new valves from Audiofreaks, plus two spare sets. Immaculate, boxed with manual £895. Beautiful sound. Upgraded to costlier C.J. Tel: 01245 283 125 (Feb(I))

**QUAD ELS 57**, black, boxed. Yamaha NS 1000M, Linn Isobariks, boxed, Kef 104, boxed, Ear 502/509, boxed, Audio Research SP11/2, boxed, Sonus Faber Musica, Audio Invicta 200, boxed. All mint. Tel: 01992 718 265 (Mar(I))

**EXPOSURE 25** amp. Mint condition. Boxed. £500 ono. Tel: Per 01454 411 093 (Bristol area) (Feb(I))

**MONARCHY AUDIO DAC** (£800) £400, Electrofluidics 5MX2 (£500) £250, Klotz balanced XLR £58, Technics SL1200 Ltd Gold £450, Dual CB508 upgraded £70. Pioneer SA8800 integrated amp £110. Various other items - please phone for details. Tel: 01597 825 018 or 07748 115 355 (Feb(I))

**LINN AKTIV Kabers** (special finish) £895. Linn Aktiv cards £225. Linn LK100 power amps £300 each. K60 cable £95 all items boxed mint condition. Tel: 01482 618 116 (evenings), 01482 896 001 (daytime) (Feb(I))

**ELECTROCOMPANIEC EC1-3** balanced remote integrated amplifier, gorgeous sound, stunning appearance, 8 months old, mint. Any trial £625 (£1000). Audiosource Stratos II balanced interconnect £55 (£125). Tel: 01308 868 044 (Mar(I))

**ALBARRY MUSIC** (monobloc) power amplifiers, M1008 Series Two. 200wpc. excellent condition. Cost £1900 (pair). Will accept £850 ovno. Tel: 0133 283 1363 eves after 7pm (Feb(I))

**AUDIO PHYSIC Virgos**, cherry £1250. Transparent Ultra: 15 foot balanced, £750 (£2000). Kimber Illuminati DX50 AES-EBU 1.5m cable £200 (£400). Meridian 200, Full Trichord DOB modification, £500. Audio Synthesis Passion8M, remote: £700 (£1700) AS DAX: balanced output version £750 (£3200). Tel: 01312259002. Email: S.hussain@ed.sac.ac.uk (Feb(I))

**TUNERS RADFORD**, Leak FM, Troughline 3, Quad FM3, QUAD 33, Teac Tascam reel to reel. Tapes new/used. pre-amp Meridian 101 transformers, chokes, microphones, Mission 771 speakers, magazines, Audio Research MD90. Tel: 0131 332 7536 (Feb(I))

**SUGDEN MASTERCASS** AA power amplifier £2000 (£3000 new). 70w Class A, gold plated PCBs, silver signal wires, WBT speaker posts, gun metal grey, 3 months old. Tel: 01635 299 619 evenings (Newbury) (Feb(I))

**DYNAUDIO 1.3 MkII** contour standmount speakers, 14 months, cherry £1200 new, £885. AVI Biggatron, cherry, 3 months £399. Tel: 0115 952 1820, mobile 07747 762 672 (Feb(I))

**MERIDIAN M605** monoblocs SE/Bal inputs, immaculate, boxed, manual £950 ono. Audio Innovations Series 1000 passive controller £75. Hart Phono Stage built by AudioLinks, excellent sound quality £250. Tel: 01624 817 230 eves (Feb(I))

**THETA DATA Basic CD** transport, boxed, as new £950 ono. Tel: 01636 830 944 or 07979 536 753 (Feb(I))

**SD ACOUSTICS Ribbons**. 5 feet tall ribbon dipoles on twin bass unit with custom made HNE marble stands bolted on. 91dB £600. Swap subwoofer or exotic cartridge. Tel: 01273 727 476 (Feb(I))

**CASTLE HARLECH** loudspeakers, delux yew finish, stunning sound and looks, mint condition £480. Castle Howard S2 loudspeakers, mahogany silver wired £680. Wanted: B&W 801 Matrix Mk2S. Tel: Steve 01429 268 218 or Email: steve.petch@ntlworld.com (Feb(I))

**TEAC P500** transport/Meridian 203 convertor (Dac7 version) £470. Audio Alchemy ClearStream digital cable £40. All prices inc p+p. Tel: Ashley 01442 218 115 or Email: ashley@doyle116.freemove.co.uk (Feb(I))

**KLIPSH LASCALA'S** triple horn, black, vgc, (£2500) £990. Marantz CD16, rare, (£1500) £620. Altec Lansing Model 19 horns, teak, 1979, big, vgc £900? ATC SCM20, black, boxed (£1500) £550. Tel: 0161 764 8888 or 0161 762 9884 (Feb(I))

**QUAD EL57 (BR)** £250. Musical Fidelity MC4's transparent cones £200. Thorens TD125 Mk2/arm, £80. Axiette 8's £40. Super 8's RSSD's £30. Superb, warm/transparent Michi phono £399. Radford Renaissance SC26L/STA35 combination £850. Tel: 01452 750 242 (Feb(I))

**NAIM SBL** loudspeakers, 7 years old, good condition, with transit boxes £800 ono. Tel: 01452 308 302 (Mar(I))

**WILSON BENESCH** Matrix cartridge, two years old, approximately 300 hours use on cleaned (Moth machine) records. Superb, detailed, dynamic sound. Will demonstrate. £350 ono. Tel: Malcolm (day) 01274 582 266 or (evenings) 0161 284 8651 (Feb(I))

Classified Ads



**HI-FI CHOICE**  
BEST BUY  
★★★★★

# Kronos Hi-Fi Mail Order

8-9 Scotch Street Centre, Dungannon, BT70 1AR Tel 028 8775 3606 Fax 028 8775 3006

**Free Carriage & 14 day Money Back Guarantee\*\***

## TCI Hi-Fi Interconnects

Overall Hi-Fi Choice supertest winner



**TCI Viper**  
0.6m £49.99  
1.0m £54.99

**TCI Cobra** (if you want the best)  
0.6m £99.99      1.0m £119.99

**TCI Adder** Digital Coaxial  
1.0m £59.99

**WHAT HI-FI** Overall Group test Winner  
★★★★★ **What Hi-Fi July 2000**

**TCI Taipan** Video Leads  
1.0m S-Video      £54.99  
1.0m RGB only Scart      £64.99  
1.0m RGB with Viper Audio Scart      £84.99

**Save 5% if you order any two items or Save 10% on three or more items (on telephone orders only until end of month)**

## TCI Speaker Cables

### TCI Python

Unterminated      £7.99 /m  
5m terminated pair      £119.99

### TCI Cobra Speaker Cable

5m terminated pair      £289.99

### TCI King Cobra Biwire Speaker Cable

5m terminated Pair      £509.99

We think TCI Python is so good we have permanently wired our Dolby Digital / THX demonstration room with it!!



## TCI Constrictor Powerleads

One of the best upgrades to any system

1.0m 13A to IEC      £79.99  
1.0m 13A to Fig8      £79.99  
1.0m 13A to 4way Block      £89.99  
1.0m 13A to 6way Block      £99.99

Buy on line from [www.kronoshi-fi.co.uk](http://www.kronoshi-fi.co.uk)

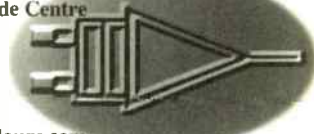
or follow the e-commerce dealer link from [WWW.true-colours.com](http://WWW.true-colours.com)

\*\*No Quibble 14 day Money Back Guarantee conditions

Under the 14 day money back guarantee, the customer is responsible for return carriage. Both goods and packaging must be returned as new. Kronos Hi-Fi reserve the right to charge a restocking fee if these conditions are not met. Refunds are only made after the goods have been received by Kronos Hi-Fi.

## True Colours Industries

Unit A103 Portview Trade Centre  
310 Newtownards Road  
Belfast BT4 1HE  
Tel 077 1019 6949  
Fax 087 0120 5923  
[www.true-colours.com](http://www.true-colours.com)



# WANTED

# HI-FI

**& accessories**  
any make, any age

**BUY · SELL · TRADE**

**OPEN 7 DAYS 10am - 8pm**

Please bring official ID with address & signature when selling or exchanging

## MUSIC & VIDEO EXCHANGE

**56 Notting Hill Gate, London W11**

☎ **020 7792 3474**

**480 Fulham Rd (Broadway), London SW6**

☎ **020 7385 5350**

**95 Berwick St, Soho, London W1**

☎ **020 7434 2939**

[www.buy-sell-trade.co.uk](http://www.buy-sell-trade.co.uk)

**LARGE SELECTION ON SALE**

**ALSO BUY, SELL, TRADE MUSICAL & PHOTOGRAPHIC EQUIPMENT**

## IAN EDWARDS

**MAKERS OF FINE HAND  
MADE FURNITURE**

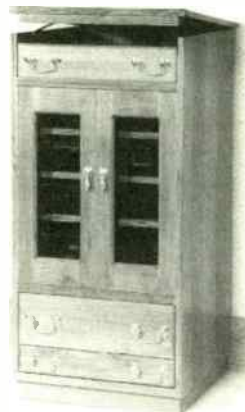
Elegant Storage Solutions  
for  
Hi-Fi's, Books, LP's, CD's  
Any veneer supplied  
Special orders welcome



74" 'V-Max' can hold 660 CDs etc

To celebrate 30 Years in the business we have a  
**VERY SPECIAL OFFER** for the readers of Hi-Fi WORLD  
on unit pictured above  
£250 for white or simulated teak  
£400 for selected wood veneers

Specialty made unit for Hi-Fi with drawers for 360 CDs



**The Old Chapel**  
282 Skipton Road  
Harrogate · N. Yorks  
HG1 3HB

Tel: 01423 500 442

Fax: 01423 705 200

[www.iansbespokefurniture.co.uk](http://www.iansbespokefurniture.co.uk)

Ian Edwards supports the Woodland Trust



Special Internet offer  
see page 130 for details

LINN LP12, Lingo, Ekos, 17DII, £1600. Linn LP12, RB250, ATOC9 £450. Naim NAC 32.5 £150. Tel: Paul 01305 770 222 (Feb/I)

AUDIOLAB 8000P power amplifier, 2 years old, as new, mint condition, boxed, hardly used £495, Sony ST-S311 FM-AM stereo tuner, RDS-EON, as new, boxed £75. Tel: 0116 237 4533 (Feb/I)

MICROMEGA DUO CD, Duo BS DAC, beautiful quality sound and build. Boxed with manuals. Selling due to upgrade to Micromega Trio. £700. Less than third of original price. May P/X high spec Linn LP12. Tel: 01892 538 126 or 07836 234 347 (Feb/I)

**AUDIO RESEARCH** amps, LS8, valve pre, black, mint, D130, solid-state power, excellent combination, £1999 (£3500). Michell Iso HR with Hera, mint, £425 ovno (£1070). Tel: Alan 01661 834 557 (Feb/I)

SUGDEN AU41 Signature remote line pre with AU41P power £550. Naim MC phono stage with OTT power supply and separate MM boards £150. Tel: 01733 810 516 (Peterborough) (Feb/I)

TARGET STANDS 10" high, 11" square, 3 column with studs and spikes. Excellent, heavy. Buyer collects or pay carriage. £50 ono. Tel: 01423 504 373 (Harrogate) (Feb/I)

KLIPSCH HERESY II. Legendary no-nonsense speakers. Unsurpassed dynamics, sensitivity, distortion. Brand new £900. Teac VRDS T1, solid classic transport, very little use, mint, boxed £350. Tel: 023 92 337 269 day, 01590 672 451 evening (Feb/I)

TEAC SERIES 500 Pro Logic AV amp CD tape RDS tuner, MS Pearl speakers £425. Sennheiser 600 £100. MF XCan V2 £90. Philips 850 CD £50. Tel: 0121 246 0486 (Feb/I)

SUGDEN MASTERCLASS phonostage. Tremendous sound from the masters of Class A amplification. Very little use, effectively as new, 4 years unexpired Sugden warranty, £850 ono. (Cost £1250) Demo will convince. Tel/Fax 0113 284 3770 (Leeds) (Feb/I)

AUDIO PHYSIC Virgos, cherry £1250. Transparent Ultra: 15 foot balanced, £750 (£2000). Kimber Illuminati DX50 AES-EBU 1.5m cable £200 (£400). Meridian 200, Full Trichord DOB modification, £500. Audio Synthesis Passion 8M, remote: £700 (£1700) AS DAX: balanced output version £750 (£3200). 0131 225 9002. Email: S.hussain@ed.sac.ac.uk (Feb/I)

ALBARRY MUSIC (monobloc) power amplifiers, M1008 Series Two. 200wpc. excellent condition. Cost £1900 (pair). Will accept £850 ovno. Tel: 0133 283 1363 eves after 7pm (Feb/I)

**PAIR KEF Concerto £40. Leak amplifier Stereo 70 £40. Leak Delta FM tuner £40. Leak Delta FM tuner £40. Garrard 401 turntable, Lenco Goldring arm, shure cartridge £100. Tel: 020 8480 2060 work, 020 7737 4526 home (Feb/I)**

CABLE TALK Reference 2 x1m £75. Ixos 103 x1m £20. Yello Power Cord x2metres £15. Carraige paid. Tel: evenings 01224 483 642 (Feb/I)

VPI HW19 MkIII £525. Technics SP10 Stirling plinth £425. MP 211 monoblocks £900. Sony XA50 ES CD player £495. QLN Splitfield Signatures £395. SME Five Gold, boxed £1050. All vno. Tel: Jim 020 8670 6796 (Feb/I)

NAIM AUDIO 140 power-amp £400 ono. Nait 3 amp £375 ono. Good condition. Tel: 01784 886 215 after 6pm or 0777 959 3704 anytime (Feb/I)

PIONEER PD-91 CD player, classic heavyweight, recently serviced, new laser, £400 ono. Elemental Audio Monoplinth, Rolls-Royce of platforms, tubular steel and granite, £500 new, £2250 ono. Tel: Jon 020 8546 6558

**VOYD REFERENCE** rose-wood mint condition, exquisite build - stunning. Twin box P.S.U. Helios Cylene tonearm rewired Audionote Anvx-sixwire. Audionote I.O. cartridge. Audionote Ans-6 moving coil transformer / modified. Data stand inclusive. Worlds finest sounding turntable. Equivalent today £40,000+. Quick sale £6000 o.v.n.o. Tel: 0798 067 6071 (Feb I)

PIONEER REFERENCE CD73 Reference amp. M73 Reference pre-amp. C73. High quality matching separates, faultless, mint condition, boxes, manuals £800 ono. Tel: 01453 546 191 (Feb)

MICHELL ALECTOS MkII £1145 (£1950) - awesome mono amplifiers combine valve-like mid range with transistor base. Excellent reviews. 125w 8ohm and 200w 4ohm. Pristine condition. Tel: 01296 747 852 (home), 07748 313 340 (mobile) (Feb/I)

**NAIM NAP 180 £699, Naim CD3 £479, Naim SBL's inc PXO crossover £1199 (latest model). Linn Basik turntable with Linn K9 cartridge £210, all mint inc boxes. Tel: 0973 751 174 (Rotherham) (Feb/I)**

BAT VT3i preamp £1500. PS Audio P300 multiwave and fan £1200. Copland CTA 401 £800. Rogers LS3/5A as new £350. Revox B225 CD £150. Tel: 020 8856 1047 (Feb)

ROTEL RB870/RC870 pre and power, manuals £100 the pair. Wharfedale 708 speakers £150. Thorens TD125 IV, RB 250 A.T. cartridge £100. All vgc. Tel: 01483 416 493 evenings and weekends. (Mar/I)

KEF REFERENCE Model One speakers, black ash, boxed, excellent condition £500. Tel: 0117 984 7365 (day), 07779 036 657 (mobile) (Bristol) (Feb/I)

INTERCONNECTS ALL 0.5m length SonicLink Vermillion £60. Campaign Audio Design Anacreon £50. DBF Azure £20. Russ Andrews PBJ CD £20. Tel: 01293 786 453 (Gatwick area) (Feb/I)

**NAIM AUDIO preamp 92 £300. Two NAP 90.3 £300 each. Linn Kelidh speakers and stands £500 all one year old, boxed. Good condition. Tel: 01189 810 097 (Basingstoke) (Feb/I)**

AUDIONOTE KIT preamp built upgraded £300. Leak ST20 rebuilt blackgates etc revalved £300. Garrard 401 heavy plinth £140. Garrard 301 £100 B&W DM2 speakers £60. HB1 stands £40. Tel: 01827 261 082 (Tamworth) (Feb/I)

# Colomor (Electronics) Ltd

Unit 5 Huffwood Trading Estate, Brookers Road, Billingshurst, West Sussex RH14 9RZ Tel: 0 (44) 1 403 786 559

Fax: 0 (44) 1 403 786 560 E MAIL - sales@colomordemon.co.uk

VALVES		£p each			TRANSFORMERS, CHOKES & BLOCK CAPACITORS	
DET19	CERAMIC BASE	14.00	3C24	EEV	20.00	Oil filled Transformer, Gardeners Primary 110-240V; Secondary 250-0-250; 180mA 6.3V, 7A, 5V, 3A £50.00 EA
DG7-32	MULLARD	10.00	5R4GA		6.15	
E55L	8233 AMPREX	16.00	5R4GY		5.80	Oil filled block capacitors by TTC Dublier .5uf, 1uf, 2uf, 4uf all at 600V £6.00 ea.
E80F		15.00	5U4G		4.95	
E180CC		2.50	5Z3GT		3.60	8uf, 600V; .5uf, 1KV; 1uf, 1KV; 2uf, 800V; 4uf, 1KV £8.00 ea.
ECC81		2.15	5Z4GT		1.90	
ECC81	CV4024	6.00	5Z4G		6.00	8uf, 800V £10.00 ea.
ECC82		2.50	6CH6	Brimar	2.50;	
ECC82	MULLARD	8.00	6FQ7		£200 for 100	10 uf. Oil filled, 2000V, GE USA £20
ECC82	CV4003, MULLARD	12.50	6L6G	CV1947	9.45	
ECC83	SOVTEK	3.35	6L6	METAL	30.00	RCA Heater transformer for 211VT4C Primary 190-210-230-250 Secondary 10V centre tapped @ 3.25A X 2 Fully enclosed, £20
ECC83	MULLARD	15.00	6L6GC	SYLVANIA	9.80	
ECC85		2.30	6L6GT/C	SYLVANIA	14.90	RCA transformer Primary 110-125-150-210-240 Secondary 345-0-345 @100Ma 5V 2A 6.45V @ 4.5A Fully enclosed £25
ECC88	TESLA	2.00	6L6WGA		2.50	
ECC88	MULLARD	10.00	6L6WGB		12.00	Oil filled Chokes by Parmeko/ Gardeners 2.5H, 220mA; 2.5H, 350mA; 4.5H, 150 mA; 4.5H, 220mA; 4.5H, 280mA; 5H, 110mA; 5H, 200mA; 5H, 250mA; all at £30.00 ea. 5H 100mA Oil, Parmeko, £15.00 5H, 400mA £38.50 ea; 7.5H, 250mA £30.00ea 10H, 75mA £23.50 ea; 10H, 170mA £33.00ea 10H, 75mA Varnished £10.00
ECC808	TELEFUNKEN ORIGINAL	30.00	6SL7GT	BRIMAR	12.00	
E88CC	MULLARD	10.00	6SN7GT	BRIMAR	8.00	TEL. FOR CARRIAGE.
E88CC/01	MULLARD	16.95	6V6GT		5.10	
ECL82	GERMAN	4.50	6X4WA		3.30	VAT @ 17.5% TO BE ADDED TO ALL UK & EEC VATABLE ORDERS Payment by Cheques, PO's, Banker's Draft sent to address above. Goods sold over the counter. Please telephone ahead for a more efficient service. PLEASE SEND LARGE 1st CLASS STAMPED SAE FOR OUR FREE VALVE CATALOGUE. P & P UK 1-3 valves £2.00; 4-6 valves £3.00; 7-10 valves £4.55. Other countries please apply for tariff.
EF37A	MULLARD, GREY	2.50	12BH7	BRIMAR, BLACK PLATE	15.00	
EF86		4.35	12E1	STC	10.00	
EF86	MULLARD	11.00	807	CERAMIC BASE	20.00	
EL34	SOVTEK	6.00	807	USA	5.00	
EL37	MULLARD	45.00	808	POA	35.00	
EL84	SOVTEK	2.15	813	RCA	35.00	
EL84	MAZDA	5.10	6072A		7.45	
ELL80		25.00	6336A	USA	49.00	
EZ80	MULLARD	6.00	6550A	GE	24.15	
EZ81	MULLARD	6.00	6550A	MATCHED PAIRS	32.00	
GZ33	MULLARD	13.00	6550-B2	SVETLANA	12.75£EA	
GZ34		3.50	B4 BASES		1.00	
GZ37	MULLARD	7.00	B5 BASES		1.50	
KT61	GEC	25.00	INTERNATIONAL OCTAL, CERAMIC		3.00	
KT66	GEC ORIGINAL	65.00				
PCL86	14.5V, HTR, ECL86	0.50	B9A, CERAMIC,		2.00	
VT4C	211, GE, USED, TESTED & GUARANTEED	45.00	UX4 / UX5, CERAMIC		2.50	
VT4C	GE	120.00				

## Orpheus Audio

### JANUARY SALE

Acoustic Solid The Solid Onet(43kg) (Brand New)	£1850
VPI TNT Junior & JMW Memorial 12" Arm & Lyra Lydian	£3000
Technics SL-1200 Lid	£550
Technics SL-1200	£270
CD Players	
Heart (Holland)CD5000 Valve CD-Player (Brand New)	£299
Heart (Holland)CD6000 Valve CD-Player (Brand New)	£450
Pioneer PDS904	£115
Meridian 203 DAC	£120
Audio Alchemy DITB	£90
Kinshaw Overture DAC	£70
Tuners	
Pioneer PD9500 (Analogue)	£95
Pre Amplifiers	
Michell Argo with Hera power supply	£300
QED Reference	£200
Power Amplifiers	
Oxyzen (single-ended, Class A Triode) (Brand New)	£650
Cabasse AM1000 Monoblocks	£1000
Conrad-Johnson Sonographe SA250	£550
Integrated Amplifiers	
EAR V-20	£1850
Accuphase E-202	£350
Magnum Class A SE	£450
Musical Fidelity A-X1	£350
NVA 9 Box Amplifier	£850
Triangle TE60	£200
Loudspeakers	
Proac Response One	£550
Sonus faber Signum with A/Stands	£1350
Cabasse Skiff 301 (Beech)	£950
Cabasse Farella 401 (Bubinga)	£550
B&W Matrix 2 SE (Black)	£400
B&W DM 70 Electrostatics	£600
Triangle Scalene (Black)	£300
JBL LX-66 (Black Ash)	£300
Linn Sara (Isobaric bass loading)	£250
KEF Concerto	£150

All the above come with 12 months warranty  
Tel: 01257 473 175  
evening calls welcome  
email: sales@orpheusaudio.co.uk  
For a full list of our agencies please see: ORPHEUS AUDIO (GREATER MANCHESTER) in the DIAL-A-DEALER Section

## English Analogue

Supplier of quality second-hand classical records  
Reasonable prices for truly collectable original vinyl from the 1950s to the 1970s. Labels include:

**DECCA - SXL, SDD, SET, RCS, SPA, PFS**  
**HMV - ALP, ASD, SAN, SLS**  
**COLUMBIA - 33CX, SAX**  
**RCA - SB - 2000/6000, VICS, SER**  
**DEUTSCHE GRAMMOPHON, PHILIPS**  
etc, also available

If you are unfamiliar with classical music, recommendations are available of great recordings to enhance the enjoyment of your Hi-Fi and enter you into the vast world of Classical Music. Just as there are good recordings or Rock, Pop or Jazz, the same applies to Classical.

To increase your satisfaction, all the records sold are cleaned and audibly checked before being sold, free of charge, as well as a guarantee. The records are also supplied with a new innersleeve, as well as the old, to ensure a high standard. In addition, if you have any classical LPs or CDs you wish to sell or want a free catalogue, please write, phone or fax to:

3 Naseby Rise, Newbury, Berks, RG14 2SF, England  
Tel: 44 (0) 1635 40242. Fax: 44 (0) 1635 524239

[www.multiplex.co.uk/Records](http://www.multiplex.co.uk/Records)



Special Internet offer  
see page 130 for details

QUAD ESL63 speakers £995, 66 preamp and control panel £300 or with 606 power amp £600. 44 preamp £150. FM4 tuner £150. Tel: 01993 883 523 (Feb/1)

WANTED BY private user. G.E.C. Gold Lion KT88 valves. New or good used items, to get my amp up and running again. One to four units purchased. Tel: 01785 840 724, Mobile: 07941 255 112 (Feb/1)

AUDIO RESEARCH SP9 Mk2 £550. Musical Fidelity P270 upgraded by MF to A370 specification £750. Audio Synthesis DSM 2 box DAC £250. SL 600 speakers £250. Tel: 0118 981 5681, Mobile: 07909 697 060 (Feb/1)

**BARGAIN CORNER** Epos ES22 floorstanding speakers light cherry finish £575. Meridian 206 CD player £295 or open to offers can demonstrate. Call Jon 01992 578 964 (Epping) (Feb/1)

RESTEK FANTASY amplifier superb sound £750. Castle Harlech speakers (yew) £650. Both boxed and in very good condition. Tel: 01903 717 826 (Feb/1)

NAIM CDS player complete boxed immaculate £2100 no offers. Tel: 01752 509 236 (Feb/1)

ROTEL RB981 power amplifier, two years old, superb sound and condition, boxed, must sell hence £190. Could deliver within 100 miles of North Staffs. Tel: 01782 397 204 or 07884 430 988 (Feb/1)

B&W NAUTILUS 802 loudspeakers for sale, £4500, 10 months old, as new, boxed with manuals, including free delivery. Tel: 00353 509 35469 or 00353 86 819 6711 (Feb/1)

FOR SALE: Unison Research Simply Four Triode version, very rare. Fitted with four Svetlana EL34's and three Mullard ECC 82's. £1200 o.v.n.o. with spare valves. Tel: 01924 515 006 (West Yorkshire, Dewsbury) (Feb/1)

LOWTHER D.X.2 drive units fitted in Fidelio cabinets, finished in light oak veneer. Should be seen and heard to appreciate £400. Tel: 01279 426 046 (Feb/1)

**B&W SILVER** Signatures, including Slate Stands, external crossovers and silver cabling. Mint condition £2600. Tel: daytime 01481 238 586 (Feb/1)

FERROGRAPH LOGIC Seven Model 7602H half track reel to reel recorder, excellent condition, electronics and sound perfect. New heads fitted by fussy owner. can be heard £275. Tel: 01386 553 942 (Feb/1)

HELIUS SYRIUS 1. Highly neutral floor standing loudspeakers. Electrostatic like transparency with bass from 20Hz. Mint. Light oak. (£2850) £1500. Pioneer CT91a cassette deck. Mint, boxed (£549) £200. Concordant Quad II monoblock valve poweramps. One needs work £150. Tel: 07974 784 638 (Devon) (Feb/1)

MANA REFERENCE table (table and top layer) £200 - and integral power supply table £85 - as new. Tel: 0860 513 729 - leave message if no reply. (Feb/1)

S35A WILMSLOW Audio mini monitor loudspeakers teak veneer finish with black cloth grille. Low usage vgc £150. Tel: 01494 712 565 10am to 8pm (Bucks) (Feb/1)

**MICROMEGA DUO CD3** transport and Duo Pro converter (£2000 +) £895. Mission 780SE loudspeakers and Mission stands £195. NAD 402 tuner £95. Audio Alchemy headphone amplifier £125. Tel: 01785 604 576 (Stafford) (Feb/1)

NAIM 180 power amp 4 years old, excellent condition boxed with manual and warranty £680 upgraded to 135's. Tel: 01904 646 023, Mobile: 07944 426 715 (York) (Feb/1)

EXPOSURE XX INTEGRATED amplifier boxed good condition £295. Marantz CD 94 MkII boxed vgc £295. Deltac One Little Bit DAC £75. Tel: Martin 01234 840 840 day / 01536 330 652 eves (Feb/1)

**QUAD 57** Electrostatics, rebuilt by Classique Audio. Oak stands £600. Art Audio Maestro triode monoblocks, sixty watts, just rebuilt to latest specification £1450 (£4200) superb sound. Tel: 01424 755 375 (East Sussex) (Feb/1)

ROGERS LS7T speakers £225. Target HJ15 stands £25. Audio-Pro Bi-45 sub woofer £75. Four volt DVC-250.1 speaker units. Not used. £75 each. Tel: 01642 559 078 (Feb/1)

LINN SONDEK LP12 Ittok arm good condition £400. Tel: 01642 363 988 (Feb/1)

QUAD 11's refurbished £350. Musical Reference American valve preamp £200. B&W P5's boxed cost £875 sell £425. Luxman tuner £80. Tel: 01432 275 203 (Hereford) (Feb/1)

LOUDSPEAKERS - EXCEPTIONAL 70 Litre floorstanders hand built to a high standard Audax professional, Scan-Speak, Seas drivers reluctant sale superb for large rooms £550 pair. Tel: 01943 468 835 (W.Yorks) (Feb/1)

AUDIO ANALOGUE Bellini preamp in silver £250. Donizetti power amp in silver £300. Castle Harlech cherry speakers £450. All as new and boxed. Remarkable value and sound. Tel: 0121 733 1961 (Feb/1)

YAMAHA DSP-A1 AV-amp top reviews in mint condition £750 (£1500). Rel Strata II sub-bass unit £290 (£600). Jamo Concert centre speaker £200 (£500) all boxed. Tel: 0116 271 439 (Feb/1)

PAIR TRANSMISSION line speakers KEF 139 KEF 110 tweeter plus supertweeter. Bargain £300. Tel: 01844 346 628 (Mid Bucks) (Feb/1)

**GAMMA SYSTEM** as new Aeons S.E monoblocks awesome £4999 / £1500. Epoch Reference Five loudspeaker £3000 / £1000 stunning. 1m silver interconnect wow balance £799 / £280. 5m silver Wonderline speaker cable £1000 / £300. Gemini integrated £699 / £250. Tel: 0798 067 6071 (Feb/1)

DUE TO Upgrade, Thiel CS3 speakers, £225, Meridian 206 £225, Ortofon 540 cartridge £60, Origin Live Basic turntable £40, M.F. XA200 monoblocks, blackgates fitted £650. Lehmann Black Cube £225. Tel: 0121 745 6516 (Feb/1)

TDL CF200 speakers, boxed as new, one year old, cost £650, sell for £360. Tel: 01943 609150 (Feb/1)

Classified Ads

Classified Ads



## SCOTLAND'S FIRST AND FOREMOST DEALER

• Established 1979 (formerly The Music Room) • Four dem rooms in dedicated premises

Performance Audio Cable Specialist

Part Exchanges

Worldwide Delivery by UPS (UK Next Day by UPS)

Full Warranty and Refund Terms

Used Cables and Equipment Lists

### Specialists in

ATC - Bow Technologies - Mark Levinson - Lyra - Michell  
SME - STAX - Sugden - Sumiko

### State of the Art SET and Push-pull Valve Technology

from Art Audio - Audio Note Japan - conrad-johnson

### World Class Loudspeaker Choice:

electrostatic, dynamic, hybrid, actives, ribbons,  
horns on dem and home approval from  
ATC - ART - Final - ProAc - Revel - Totem - Zingali

### Audio Cables and Cords - our special expertise

Audio Note Japan - CAD - JPS Labs - Madrigal - MIT - NBS - Etc  
Cables site at [www.audiosource.co.uk](http://www.audiosource.co.uk)

# AudioSalon

5 Crown Terrace, Hyndland, Glasgow G12 9HA

E-mail: [info@hi-fi.eu.com](mailto:info@hi-fi.eu.com) Web: [www.audiosource.co.uk](http://www.audiosource.co.uk)

# AudioSource

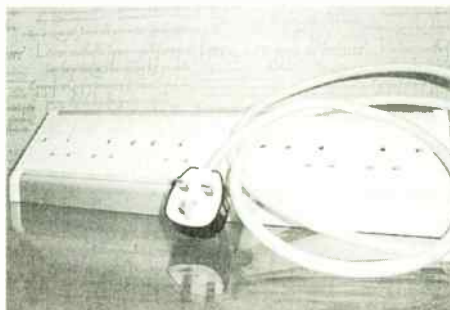
Audio Salon offers Britain's most experienced cables and cords advice and approval schemes. Entirely risk free, except you will be hooked by the sound of cables most specific to your individual needs. Avoid the costly cables who spend more of your money on marketing rather than materials!

Also, Audio Salon has its own famous brand "white box" interconnects - a design carefully developed to compete with the very best but a fraction of the price. Eliminate the cost of packaging, marketing and middlemen. Stratos Series Two stereo interconnects are available fully balanced using Neutrik Swiss XLR or our own RCA, the finest phono plugs. Cost per one metre stereo set is £125 (£99 for 0.5-metre, £39 for digital link). Our free literature pack includes customer comparison with designer brands costing many times the price.

### AudioSource Power Products.

The BBC (British Braided Cord) is now available from us, cost only £45.

The Source - new product - (six or eight outlet) mains power centre, is finally available. Surely worth the wait. Well-built, sonically neutral; minimal R, L, C measurements, we are rather proud of it! Six or eight outlets priced £249 or £259.



"The Source" Audio Power Supply Unit, 6 or 8 outlets £249 and £259 full specification available.

World Radio History

# JPS Labs

The World's Finest Cables™  
10 years of Design Excellence

Unique copper/aluminium alloy - ideal crystal structure to preserve music signal

Industry highest level of suppression of RFI - lifelike high notes without hard edge

JPS is the acknowledged world leader in a/c power cords - dedicated products for each component type, eg digital, analogue, power amp, etc

Stereophile Approved, Japan Accessory of the Year (1999), many awards

Highest ratings from users - see [audioreview.com](http://audioreview.com)

Noted for real world pricing, JPS now available in UK at US domestic prices!

Free delivery by UPS (UK, next day service)

14-day refund if not delighted

Long-term upgrade policy - allows hi-fi heaven sooner than you thought

Free systems advic

Free literature pack

## AudioSalon UK Direct Dealer

5 Crown Terrace, Hyndland,  
Glasgow G12 9HA, Scotland, U.K.

Tel: 0141 357 5700

Fax: 0141 339 9762

E-mail: [jack@audiosource.co.uk](mailto:jack@audiosource.co.uk)

Telephone Mail Order by  
VISA, M/C, AmEx etc



Special Internet offer  
see page 130 for details

ARCAM ALPHA 9 integrated and 9P power amplifiers, formidable bi-amp combination (£900) £500. Three months old, mint, boxed and instructions. Tel: 01508 499 586 (evenings) or 07710 623 582 (daytime) (Feb/I)

COULD BOB JONES please call Jon Marks about SR929. Tel: Jon 020 8546 6558 (Feb/I)

ARCAM ALPHA 10 integrated amplifier with D.A.V.E. modification (£800-£850) £1150 ono. Arcam Alpha 10P3 3 channel power amplifier (£850) £575 ono. Arcam Alpha 10P power amplifier (£600) £425 ono. Will sell above 3 items with complete quality connections for £2000 ono. Tel: 0121 705 1142, Email ROD\_WHITEHOUSE@HOTMAIL.COM

KEF 30B Active sub woofer with modified Quad 45 amplifier brand new in box (£500) £350 ono. Miller & Kressel V75 active sub woofer (£650) £350 ono. Tel: 0121 705 1142, Email ROD\_WHITEHOUSE@HOTMAIL.COM

EXPOSURE 25 amp. Mint condition. Boxed. £500 ono. Tel: Per 01454 411 093 (Bristol area) (Feb/I)

TANNOY MERCURY M3 and M1 speakers (both cherry finish) £120/£65 ono. Kenwood CS-6 centre speaker £65 ono. Star Wars THX Definitive Laserdisc box set £65 ono. Tel: 0121 705 1142, Email ROD\_WHITEHOUSE@HOTMAIL.COM

LINN SONDEK LP12 Ittok arm good condition £400. Tel: 01642 363 988 (Feb/I)

## GUIDELINES FOR BUYING AND SELLING SECOND-HAND EQUIPMENT

### FOR THE BUYER

1. Not everyone is honest - Buyer Beware!
2. Accept no verbal guarantees.
3. Have you heard the item or something similar? If not, why do you want it?
4. Don't pretend to have knowledge - it's your fingers that will get burnt!
5. Is it working? If not, why not?
6. Has it been modified and, if so, have notes been kept?
7. Was it any good in the first place?
8. **Don't send cash.**
9. If you are in the slightest doubt, arrange an audition (see point 4). If it's too far, wait for another time.
10. Either buy it or don't: vendors are excusably impatient with 'consultation' exercises.

### FOR THE VENDOR

1. Not everyone is honest - Seller Beware!
2. Make no verbal guarantees.
3. Even 'nearly new' is still second-hand. If the manufacturer's guarantee is no longer in force, your price should reflect this.
4. There is very little intrinsic value in second-hand hi-fi; it's only worth what someone will pay for it.
5. The best guide to pricing is last month's Classifieds; that a 'classic' was worth £xxx a year or two ago is no guide. Values fall as well as rise.
6. Amateur second-hand dealing is not a big money game: you win some, you lose some.
7. Be prompt with despatch. If in doubt about buyer's bona-fides, either wash out the deal or send C.O.D.
8. There will always be time-wasters; be tolerant within reason!

**hi-fi**  
world

# Trade Ads

VINTAGE WIRELESS  
COMPANY LONDON  
www.vintagewireless.co.uk  
Buy-Sell-Exchange. Vintage wireless and classical audio. Repairs, spares, restoration, modification to all valve equipment. Quad II, Leaks etc, shipped worldwide, best prices, call us at. 17 Bell Street, London, NW1 5BY.  
Tel: 020 7258 3448  
Fax 020 7258 3449  
Email: vwirelesslondon@aol.com (Jul/I)

M.T. CABI ES quality interconnects silver plated OFC copper PTFE dielectric gold plated plug compare with cables costing £70-90. Money refunded if not satisfied £35. EAR 843L preamp £350. Musical Fidelity A270 £600. Tel: 01443 423 402 (Feb/I)

ROGERS E-40a pure class 'A' valve amplifiers - BRAND NEW and boxed. Very latest improved version ( by Audio Note ), 40 watts per channel. High quality phono stage plus four line inputs. Great styling, superb sound and VERY RARE. Sold with 12 months warranty. Only £1,048.00  
Tel: Stirling Broadcast 01256 851 001 (Feb/I)

TECHNICS SLP-1200 pro CD players, balanced outputs, special ASC version, superb sound quality, good condition: £448.00 each. Dynaudio LS5/12a BBC monitors, compact highest quality grade 1 reference loudspeakers (black) BRAND NFW / BOXED: £1,048.00.  
Tel: Stirling Broadcast 01256 851 001 (Feb/I)

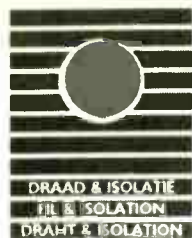
REVOX PR 99 Mk 3 as new, 12 months warranty £998.00. Technics SP-10 Mk2 from £248.00. Studer A80 VU £398.00. EMT 950 turntable, special BBC version (£6,384.00 new ! ) AS NEW condition £998.00. Rogers brand new DB-101 £198.00, LS3/5a £398.00, AB-1 £338.00.  
Tel: Stirling Broadcast 01256 851 001 (Feb/I)

VOODOO ISOLATION Systems, Airtek launched at the London Hi-Fi Show 2000. Airtek is a air suspension platform designed for use under all audio electronics, Benefits gained, tighter extended bass, cleaner more detailed treble, better imaging, a more open natural presentation. Price £149, 14 day money back guarantee if not satisfied. For more information Tel: 01643 822 128 9am-9pm Mon-Sun (Feb/I)

HARBETH LS3/5a Limited Edition 'Alan Shaw Signature' in Rosewood. The very last production run of this classic BBC loudspeaker ! BRAND NEW £688.00 pair. Available from stock, exclusively from: Stirling Broadcast 01256 851 001 (Feb/I)

VALVE PREAMPS! Best selection of sensibly priced valve amplifiers in England. New valve preamps from £250. New class 'A' valve powers from £350. Stockists of Croft, EAR, Audio Classics. Tel: 01942 257 525. Email: audioclassics@hotmail.com (Feb/I)

CYRUS PRE-AMP £150, XPA amp £150. DAD3 Q24 CD updated 24 Bit £400. Sony MDS-JE520 MD £60. Philips DCC600 plus DCC130 portable player £60. No offers. Tel: 020 7608 3291 (Feb/I)



# WIRE & INSULATION

introduce **DESKADEL** Products

731/733 Ormskirk Road • Pemberton  
Wigan • Lancashire • England • WN5 8AT  
Tel: 01942 224040 Fax: 01942 887171

## DISTRIBUTORS:

Switzerland  
**ARBELOS**

Tel: 00-41 718586282

Holland

**ANALOGUE AUDIO  
PRODUCTS**

Tel: 00-31-306044342

UK

**AUDIO SYNTHESIS**

Tel: 00-44-1159224138

Spain

**GINSA ELECTRONICS**

Tel: 00-34-932005055

Germany

**LOTHAR HOFFMANN**

Tel: 00-49-60298107

Greece

**CHRISTOU LABRITIS**

Tel: 00-30-17773208

S. Africa

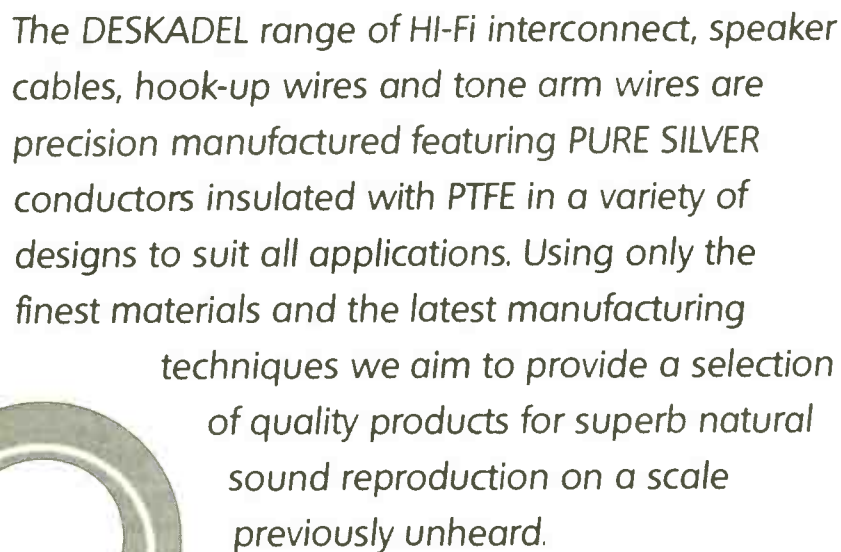
**LOWVELD AUDIO**

Tel: 00-27-137511485

Belgium

**DESKADEL INT BVBA**

Tel: 00-32-3-8892231



The DESKADEL range of HI-Fi interconnect, speaker cables, hook-up wires and tone arm wires are precision manufactured featuring PURE SILVER conductors insulated with PTFE in a variety of designs to suit all applications. Using only the finest materials and the latest manufacturing techniques we aim to provide a selection of quality products for superb natural sound reproduction on a scale previously unheard.

INTERNATIONAL TRADE ENQUIRIES WELCOME

## SUGDEN audio products



Masterclass from the original CLASS A company

### New products from Sugden

Wide-bandwidth d.c coupled high current class A power amplifier and matching pre-amplifier. Available as a stereo power amplifier you can upgrade or balanced monoblocks.

Handcrafted from the finest materials and components, Sugden guarantee to add an extra dimension to your listening pleasure. Our superior wide-bandwidth designs will increase the dynamic range and sonic accuracy of your audio system - without fatigue.

With over thirty years experience in design and manufacturing Sugden has become a reference for reviewers, musicians and audiophiles around the world. Prices start at £549.00 for the Audition series so why settle for anything less?

J. E. Sugden & Co Limited  
Valley Works, Station Lane, Heckmondwike,  
W. Yorks. WF16 0NF  
Tel. 01924 404088 Fax 01924 410069  
Email [jesugden@compuserve.com](mailto:jesugden@compuserve.com)





Special Internet offer  
 see page 130 for details

Dealers must not advertise in the Private Classified section.  
 Monthly consecutive insertions will be considered Trade  
 advertising. The Publisher reserves the right to judge submissions.

**WANTED - EARLY HI-FI  
 LOUDSPEAKERS**  
 Tannoy, Lowther, Parmeko,  
 Voigt, Vitavox, RCA WE etc  
**TURNTABLES**  
 Garrard, BBC301, EMT SME,  
 Ortofon, Decca, etc.  
**VALVE AMPLIFIERS**  
 AEI, EMI, Leak, Rogers, PYE-  
 Quad, WE etc  
**AUDIO VALVES**  
 DA30, KT66, KT88,  
 PX4, PX25, PP3/350, WE300  
**CLEAR CRYSTAL SYSTEMS**  
 John Petrie-Baker  
 Tel: 020 7328 9275

**AFFORDABLE VALVE  
 COMPANY Model EL34.**  
 Powerful 40 watts Class A  
 valve amplifier. Mr Andrew  
 Everard in Gramophone  
 Magazine "delivers a sound  
 that's both smooth and  
 refined....allied to a good  
 degree of clarity and finesse."  
 Richard White in Hi-Fi World  
 review "soothing rocked by  
 EL34's powerful bass  
 end....very good value for  
 money." Richard Black in Hi-Fi  
 Choice "it's a classic valve  
 sound....warm and  
 cuddly....vocals are generally  
 lifelike and involving."  
 Comprehensive 1 year guaran-  
 tee. Free colour literature.  
 Free delivery. 1 month home  
 trial. Guaranteed to improve  
 your hi-fi system or your  
 money back. New £600 New.  
 Credit cards accepted.  
 Telephone 01634 373 410 any-  
 time. Website: www.  
 affordablevalvecompany.com  
 (Apr01)

**EX DEMONSTRATION**  
 Klipsch horn loudspeakers  
 KG3.5 £395 pr. KG4.5 £595  
 pr. KG5.5 £795 pr. Heresy  
 £795 pr. Forte £995 pr.  
 Klipschorn £3495 pr. Tel:  
 Midland Radio Supplies 0121  
 430 7817 (Feb/I)

**ROKSAN OJAN 3X**  
 Loudspeakers. Included is  
 extensive modifications to the  
 value of £1100.00 by  
 Audiocom. £695.00  
 (Audiocom Warranty). SUMO  
 Polaris Power Amp. Included is  
 extensive modifications to the  
 value of £700.00 by Audiocom.  
 £850.00 (Audiocom  
 Warranty). Vampire -  
 Continual Cast Silver  
 Interconnect, 1 metre RCA  
 terminated pair - simply stun-  
 ning! Barely run in, used for  
 dem purposes. (RRP: £599.00),  
 sale price £425.00. Sony DVPS  
 7700 DVD/CD Player, regions  
 1-6, Mint condition, Includes  
 comprehensive modifications  
 to the value of £550.00. Sale  
 price £675.00. (Audiocom  
 Warranty Wadia X32 D-A  
 Converter. 18 bit/44.1-48KHz  
 conversion. RCA & ST optical  
 output. (RRP: £2100.00)  
 Excellent condition, original  
 box and manual. £650.00  
 (Audiocom Warranty).  
 Tel: 01646 685601  
 www.audiocom-uk.com  
 (Feb/I)

EMT 950 £750, 948 £550.  
 Technics SP10 MkII £250,  
 SLP1200 CD £400, Studer  
 A812 VU £1200, A810 VU  
 £1000, A807 VU £1100, D780  
 £800, A710 £450, B67 VU  
 £750. Nagra T-Audio £3000.  
 Tel: 01246 275 479, Fax: 01246  
 550 421 (Feb/I)

STUDER A80 VU £1200.  
 A710 £500, B67 VU £750.  
 D780 £800, A812 VU £1100.  
 Technics SP10 MkII £200.  
 SLP1200 CD £400. Nagra  
 Stereo £1200. EMT 948 £550.  
 Sony DTC1000 E5 £300. Tel:  
 01246 235 024 Fax: 01246  
 550 421 (Feb/I)

**HORSHAM HI-FI offer:**  
 Apogee Duetta II's £795  
 (£4995). Revel subwoofer  
 £1495 (£1995). Opera  
 Operetta's £450 (£850).  
 Unison Mystery-One £875  
 (£1750). Audio Analogue  
 Puccini SE £450 (£635).  
 Marantz MA500 monoblocs  
 £350 (£500). Martin-Logan  
 SL3's £1995 (£3300). Musical  
 Fidelity CDT valve-CD £250  
 (£600). Tel: 01403 272 931  
 (Feb/I)

**FINEST QUALITY** mains  
 cables. Constructed from  
 silver plated cores (OFC)  
 within silicone rubber  
 dielectric, jacketed with  
 double screen for pure  
 silence. American 320IEC  
 connectors used as stan-  
 dard for superb contact.  
 Home trial recommended.  
 Contact Audio Visual  
 Concepts for your require-  
 ments on 01628 440 873  
 anytime (Feb/I)

**AUDIOJOY CO.** Harbeth  
 Compact 7 ES speakers £650  
 (new £1400). Harbeth P3 ES  
 speakers £400 (£800) Michell  
 Alecto monoblocks (latest ver-  
 sion) plus Orca with power  
 supply £2000 (£3600). Target  
 R1 speaker stands £170  
 (£330). MAF luxury three tier  
 stand - fits VPI turntable £300  
 (£1200). Clearaudio Reference  
 turntable, Souther parallel  
 track arm, silent running base,  
 extra armboard £2700  
 (£6000). Tel: 0973 128 355  
 (North London) (Feb/I)

**VALVE PREAMPS!** Best selec-  
 tion of sensibly priced valve  
 amplifiers in England. Tel:  
 Audio Classics. Tel: 01942 257  
 525. Email:  
 audioclassics@hotmail.com

**AUDIO RESEARCH SP14**,  
 Boxed inc Manual. mint £1450.  
 Audio Research SP11 MK11  
 Superb pre amp, Rcn't A/S  
 Service. £5400, £1450  
 Conrad-Johnson MV10 up-  
 graded to MV11. Excellent  
 condition £600. Krell KSA 80  
 power amp, Boxed,  
 Immaculate. £1450. Krell KSA  
 50 Excellent condition, ser-  
 viced by Absolute Sounds.  
 £3000 £1000. Marantz CD12  
 limited edition, boxed as new.  
 £2800 £1100. Naim Nap 250  
 boxed naim service. Mint  
 £1000. Naim NAP 140, 2 yrs,  
 new style boxed, manual, ex  
 condition £420.00. Naim SBL's  
 new style bass units, walnut,  
 mint condition, spare gasket  
 kit, boxed £2030 £1000. KEF  
 REF 1.2s. brand new, rosenut  
 (new £1380) £1100. Audio  
 Technica OC9 cartridge, brand  
 new, unused £360 £230.  
 Nordost Blue Angel balanced  
 cables, 1mtr £70 ono. Quad 77  
 remote control brand new.  
 Sealed packet £300 £170.  
 Voyd. (original) inc split phase  
 psu. SME V. Lyra Cartridge Stax  
 Phono Stage £1900. Please  
 telephone Jules on 01792 280  
 061 E-mail:  
 sales@sounddrjuleshifi.co.uk  
 Web: www.sounddrjuleshifi.com  
 (Feb/I)

**FOR SALE: VINCENT**  
**AMPLIFIER, Remote.** Vincent  
 Monos, balanced. Kroll FPB  
 250m, 650mc. Krell KAV  
 500/5. Krell 200s. Mark  
 Levinson 332/334/336. Wilson  
 System 6 speakers. Vincent CD  
 player (HDCD) Krell KR-C  
 HR. Martin Logan Seq II.  
 Tel/Fax 020 7349 9675 or  
 0958 607 613 (Feb/I)

Classified Ads



Most cables have a sonic signature or tonal character to match specific components. In well-matched systems these cables are often found to be harsh or dull.

Petros cables were designed for AudioSOURCE to complement transparent components in a well-matched system: the goal was neutrality - musical flavour transmitted as water flows along a smooth pipe. If our cables sound bright or blurred, be confident that it is the equipment that you are hearing! Stratos cables have the greatest differentiation of all interconnects we have compared, that is to say that different recordings and different components just yield their own characters, transparently.

The design is the attention to many details, based on simple physics and many listening tests. We are now so far ahead of the game - and still moving the goal posts - that we will disclose the basic principles. The two major principles are conductivity and contamination. **Conductivity:** low resistance, capacitance, etc, using the highest purity copper (silver content acid-free solder) in very fine but many strands. In outer space, such cables would transmit Nothing But Signal (hence the esteemed American NBS brand! Incidentally, we have some of their amazing cables for sale at half-price). **Contamination:** since the invention of radio we are aware that your wires act as aerials. Designers cannot eliminate this in the equipment without serious degradation of the music signal. Planet Earth is now contaminated with EMI, RFI, you name it fields from cellular phones to AC mains. Coming from your neighbours, factories, and your own hi-fi and non-hi-fi devices. Our cables use twin axial (quasi-balanced) plus and minus wires, inside a triple-shielded braid earthed at source only and taken through to the plugs. We also apply Kontak cleaner to greatly reduce RF rectification and enhance surface conductivity. It lasts for about six months. If you haven't tried it, you don't know

what you are missing. £14.95 per bottle.

Stratos Series II (launched in August) is a major leap forward in interconnects which exceed the sonic performance of all but one extremely expensive (NBS) digital and stereo interconnects we have tried in a wide variety of equipment. Series two features our own RCA state-of-the-art phono plugs which use our tried materials (solid phosphor bronze, not bent copper) for enhanced contact and noise rejection. Do not judge the performance by the price. Customers are disposing of major brands now shamed by Stratos II because our cables are sold direct to end-users without marketing costs. This saves at least 75% when you consider that packaging and promotion double the cost of cables and dealer margins and vat double it again. One stereo metre of Stratos II thus sells for only £125. Stratos II Digital costs £59. Terminations are RCA or Neutrik Black Gold XLR from stock; others to order.

"These cables are everything you said they were ... this has been the cheapest and by far and away the most significant upgrade I've done to my hi-fi in years. I ordered cables, and when I opened the box, the contents looked like cables but these Stratos cables are much, much more than that. They have made such a huge difference to my listening pleasure that it's the equivalent of replacing one or more of the key items of hardware. At £120 [Series II now £125] a 1 metre pair, they are the cable bargain of the decade." - Mr E.H., Aberdeen, 12/08/99.

Dirty mains has been neglected for too long in the UK but conditioners can degrade sound by limiting speed and power. The best place to clean up your mains is between your wall and the equipment. We are at beta test stage on effective AC mains cords, and can advise you on high-end products from America before you invest. Advice on speaker cables freely available.

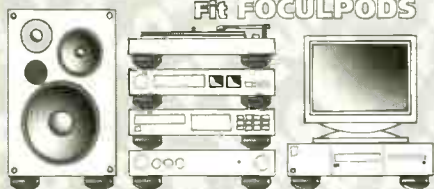
PHONE 0141-357 5700. FAX 0141-339 9762.

E-MAIL:jack@audiosource.co.uk The web is at www.audiosource.co.uk.

## BETTER OFF DEAD

no vibrations dead sounds perfect

Fit FOCULPODS



### WHAT THE PRESS HAVE TO SAY

"...I thought they worked very well on some low-cost CD players I had Knocking About..."

Hi-Fi Choice  
July 1995

**FOCULPODS & POLIPODS** are high performance vibration absorbing supports designed to be placed under Compact Disc Players, Turntables, Amplifiers, Loudspeakers and all other Audio & Video equipment. Designed using computer modelling techniques the spherical surface provides even contact and uniform energy distribution

4 FOCULPODS will support a maximum of 20 Kilos



50 mm dia. x 20 mm

**£14.95**  
per pack 4

available from most good HI-FI dealers

### NEW POLIPODS

Designed to support a pair of bookshelf speakers or 2 items of lightweight Hi-Fi equipment



40 mm dia. x 14mm

4 POLIPODS will support a maximum of 5 Kilos

### WHAT THE PRESS HAVE TO SAY

"...We found they worked best with CD players: allowing the transport to run more smoothly to give a more open and natural sound, and better stereo imaging..."

WHAT HI-FI - 1996

**£14.95** per pack 8-

**YES 8!!** available from most good Hi-Fi dealers

For a FREE information pack and details of other products from SPECTRA DYNAMICS

(01745) 360070 (01745) 360086 www.spectradynamics.co.uk

Unit A1, Ffordd Derwen Industrial Estate, Rhyd, Denbighshire, LL18 2YR

## DEFLEX<sup>®</sup> SPECTRA Dynamics

Deflex material is a specially formulated low resilience polymer with exceptional shock absorbing properties. Loosely grouped molecules within the material rub together and transfer vibrations into heat. In its soft form the material has a texture similar to plasticine but with a high memory characteristic. The mechanical properties of the material guarantee to reduce unwanted noise.



You need at least 2 Deflex panels for a pair of small bookshelf speakers, 4 panels for a pair of Tannoy 6's, and at least 6 panels for larger cabinets.

Once you have gained access to the inside of the cabinet, remove foam and/or wool damping from the inside of the speaker (if fitted).

Place the flexible Deflex panel thru' the speaker cut-out and stick to the inside of the cabinet using the recommended adhesive.

### DEFLEX ACOUSTIC PANELS

The simplest and most cost effective way to upgrade your existing system

"...Deflex panels seemed to give greater tightness and control, improved internal clarity, and pitch definition - all without deadening the sound in any way..."

"...the result was sharper imaging, wider dynamics and a more natural sound..."

#### CHOICE VERDICT

Sound Quality ■■■■■  
Value for money ■■■■■

"...a marked improvement was obvious from the first few bars of REM's Automatic for the people album..."

"...But one thing for sure - the Deflex panels are no gimmick. They work..."

Now sit back and listen to the extra detail in sound, and far less distortion when played loud

#### PANEL PRICES

Standard Panel	£5.00	(28cm x 21cm)
Medium Panel	£4.00	(28cm x 18cm)
Small Panel	£3.00	(24cm x 13cm)
Sub-Woofer Panel	£12.00	(34cm diameter)
Adhesive	£3.50	Delivery £3.00

"The only world acclaimed flexible acoustic damping pad for lining loudspeakers" (UK PATENT N° GBPT 2277008)

For a FREE comprehensive information pack & details of other products from SPECTRA DYNAMICS  
Tel. (01745) 360070  
Fax. (01745) 360086  
Website: www.spectradynamics.co.uk

Unit A1, Ffordd Derwen Industrial Estate, Rhyd, Denbighshire, LL18 2YR, UK



# SUBSCRIPTIONS



## UK SUBSCRIPTION £27

VISIT OUR WEBSITE: [www.hi-fiworld.co.uk](http://www.hi-fiworld.co.uk)

Get your issue of **hi-fi world** straight to your door!

**Get to our amazing classified ads first and grab a bargain!!**

Run by dedicated hi-fi engineers and enthusiasts, **Hi-Fi World** has become famous for its informative reviews and radical kit designs.

### OVERSEAS SUBS RATES

Surface Mail	£40
Airmail Europe	£50
Airmail Middle East & South-East Asia	£60
Airmail USA, Canada, Australia, Japan, Korea & China	£70

### MISSED AN ISSUE?

Back issues also available at a cost of £3.50 only (includes P&P), payment by cheque only - overseas please contact us for details. Send cheque to: **Hi-Fi World**, Freepost LON3478, London, NW6 6YR.

Credit Card Hotline Monday - Friday 9.30am - 12.00 noon: Tel: +44 01923 270 833 Fax +44 01923 260 588

By post: Make cheque or postal order payable to: **Audio Publishing Ltd**, sent in an envelope marked: **Hi-Fi World**, Freepost LON3478, London, NW6 6YR

## HI-FI WORLD SUBSCRIPTION FORM

I would like to pay by cheque made payable to Audio Publishing Ltd.  Credit Card  Airmail  Surface Mail

Please debit my VISA/MASTER/SWITCH Card No. (Switch card issue No. \_\_\_\_\_)

Expiry Date: \_\_\_\_\_ Cardholder Signature: \_\_\_\_\_

\_\_\_\_\_



Name \_\_\_\_\_

Address \_\_\_\_\_

Delivery Address (if Different) \_\_\_\_\_

Post Code \_\_\_\_\_

Daytime Tel: \_\_\_\_\_

Start Issue \_\_\_\_\_





# OPERA *SuperPavarotti*



## *from Italy – con amore*

What you see is a slender floorstander of classic elegance. Made in the grand manner entirely from solid hardwood. No MDF, no veneer, no compromises. The high mass and rigidity of a properly built solid hardwood cabinet ensures freedom from resonance and gives a clear, natural sound. And the super-slim form (just 14cm wide) makes for superb imaging. Finest quality drive units, crossovers and 24kt gold plated brass hardware complete the specification, SuperPavarotti is, as you can see, a class act.

What you *don't* see are the internal twin asymmetric bass chambers which give SuperPavarotti its amazingly fast, deep and tuneful bass. Or the fully shielded construction which make it suitable for AV and home theatre use.

Like all Opera products, SuperPavarotti is made – *con amore* – by our small team of expert craftsmen. And dedicated to people who love their music.

For more information please contact

## UKD

23 Richings Way, Iver, Bucks, SL0 9DA, England  
Tel: 07000-853443 Tel: 01753-652669 Fax: 01753-654531  
[www.ukd.co.uk](http://www.ukd.co.uk)

HEARD, BUT NOT SEEN.....

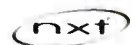


IMAGINE....

A DISCREET  
LOUDSPEAKER  
SYSTEM THAT  
ADAPTS TO ANY LIVING  
SPACE, WITH A ROOM  
FILLING SOUND FOR BOTH  
MOVIES AND MUSIC.

IMAGINE NO LONGER.....FS2.

SERIES



Trade Mark of New Transducers Limited

MISSION, HUNTINGDON, PE29 6EY ENGLAND. TEL: 01480 451777 FAX: 01480 432777  
EMAIL: INFO@MISSION.CO.UK HTTP: WWW.MISSION.CO.UK