

The B&W Nautilus is absolutely the most ideal speaker I have ever heard. It can be only limited or coloured by the sources, amplifiers and cables, without any coloration of its own. This is the best loudspeaker that money can buy

— Hi-Fi Review Japan

Special awards for component of the year — Stereo Sound Japan

Special award for Grand Prix component of the year — Radio Gijutsu Japan At B&W, music is our very reason for being. In our search for the perfect music reproduction, the B&W Nautilus, has pioneered technologies such as the hollow pole magnet drivers and the transmission pipe principle, which will shape the direction of the audio industry well into the next millennium.

It symbolises all the innovation, dedication and love of music which have inspired B&W engineers ever since the company was established 30 years ago.

In the search for transparency of sound, the Nautilus represents a true audio miracle. It can only be limited or coloured by the source, amplifiers and cables, without any colouration of its own.

Hailed as 'the best loudspeaker that money can buy', the Nautilus enables the listener to hear nuances and subtle dynamics hitherto unattainable, offering a level of sonic accuracy unmatched by any other speaker.

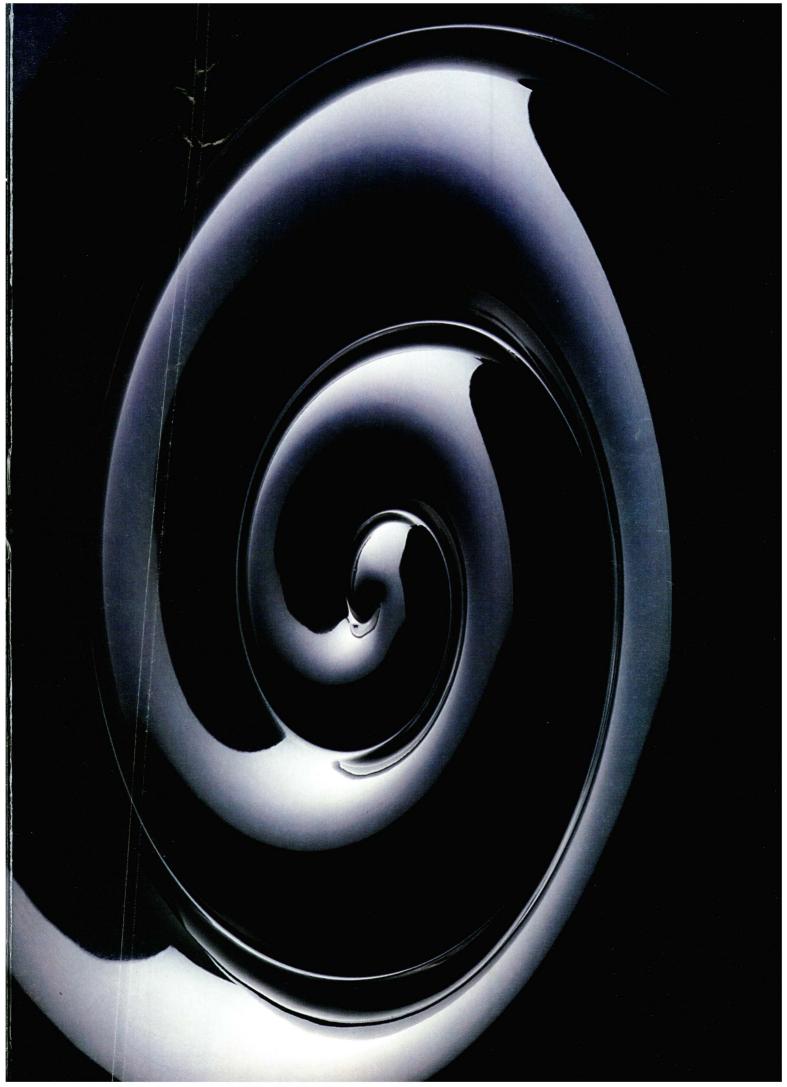
The Nautilus offers a unique chance to hear music exactly as recorded – detailed, vibrantly alive, full of power and unhindered by driver distortion or cabinet diffraction.

Listen and you'll see!



A word in your shell-like...







DM#601



"The 601s sound like the voice coils of God."



CDM1



"For a domestic loudspeaker that knows how to groove, our European Award is an honestly-bestowed plaudit."



P4

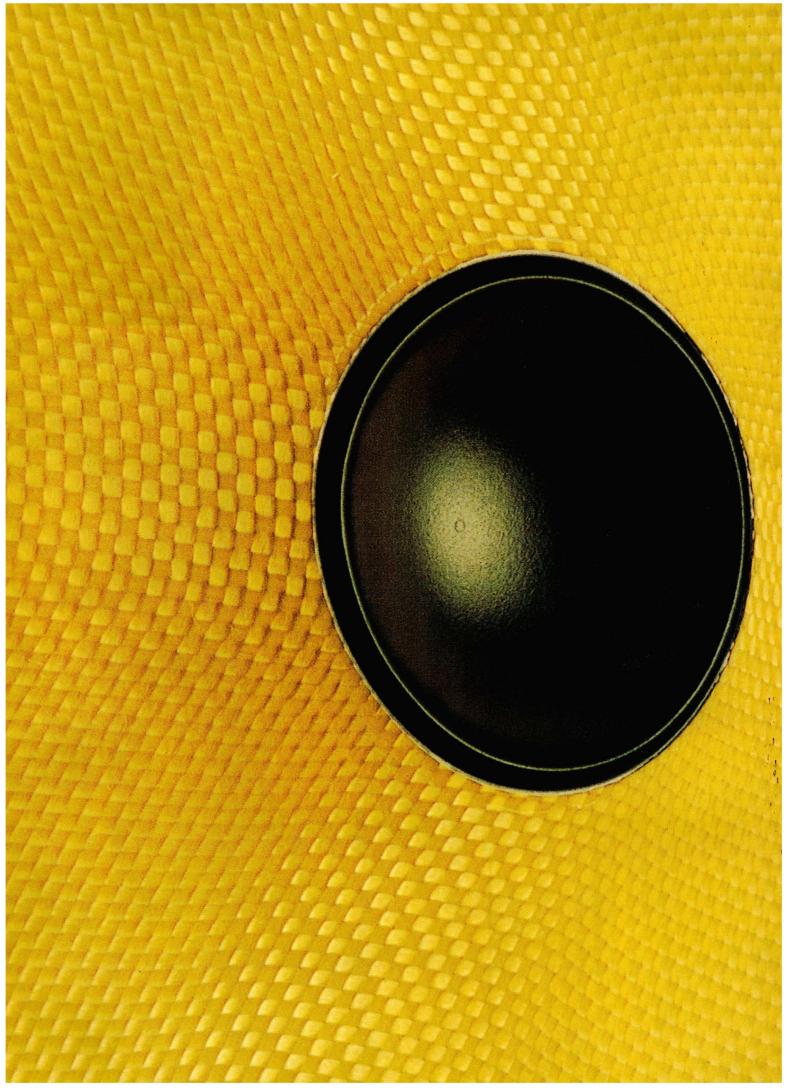
WHAT HI-FI?

"Fast, weighty, superbly balanced sound: gorgeous range of real wood finishes. These floorstanders are among the best in their price band."

B&W's patented method of using Kevlar for loud-speaker cones, has been a major factor in reducing unwanted standing waves. Kevlar's unique woven fibres along with further 'doping' by B&W provide a remarkably near perfect solution to this problem.









Listen and you'll see





Editor's Notebook

Stan Vincent welcomes new readers, and enlarges on the mystical links between music and hi-fi...

fyou're in the market to buy hi-fiequipment, this magazine is the only one you need. It contains reports on all the best hi-fiequipment we have reviewed this year, from CD players to cables, from amplifiers to AV, from speakers to systems. This issue is jam-packed full of kit.

You'll find the full story on all of our favourite products from 1996, plus the best hi-fi buying guide in the UK, which is crammed with details of over 4,000 new products, plus our summaries of hundreds more.

Just turn the page and our contents listing will take you straight to the products you're interested in. There you'll also see, however, that there are loads more articles about setting up your hi-fi, answers to your hi-fiqueries, and even a bit of heart-felt opinion thrown in for good measure.

Ihopeyouenjoy this issue as muchweenjoyed putting it together. I hope also that some new readers will be scanning these words and wondering: "what is all this hi-fi business about?" If that's the case, I've penned a few words, to try and explain the passion for hi-fi felt by so many readers and writers of this magazine.

Arguments for hi-fi

Hi-fi is not a minority pursuit for people who never go out. In my book, pure and simple, it is a means for music loverstogaingreater pleasure from their record collections. If, at the same time as enjoying great sound quality, these connoisseurs can gain pleasure by using equipment that is good to look at and well engineered, so much the better. Hi-fiequipment is among those rare technological commodities that are more than just tools for a job. Pundits often consider hi-fi in the same light as a fine watch or exclusive car. I think it is a more rarefied pleasure, however, simply because the enjoyment of music is so sublime and hard to quantify.

Hi-fi, like music, is something to spend a lifetime growing into.

Before a listener can comprehend the meaning of hi-fi, it

We were honoured to be voted Hi-Fi Magazine Of The Year at the CETI Industry Awards, Harrogate, May 1996. isnecessary first to understand not just the rhythms and tones of music, but also the subtle characteristics that make it such an emotive force. What does an orchestra, jazz band or acoustic instrument really sound like? Only regular attendance at concerts can answer this question.

It all begins with music

Formyown part, Iwaslucky enough to attend a night atthis year's Proms, on which Messiaen's stupendous Turangalîla Symphony was performed. This piece is a crashing, quixotic tour de force, and a reminder that even the most monstrousrock bands can't match a fully-fledged orchestra for sheer dynamic range and emotional power. By contrast, a more recent gathering was the occasion for a cerebral performance by the European Union Baroque Orchestra, in which small details of instrumental timbre massaged the senses. At the end of each performance I wondered how many people in theaudience would realise that they could repeat the pleasure of this music in their own homes, if only they had a good hi-fi system.

The first step on the road to hi-fi awareness is to understand what separates the sound of a live performance from a recording. The brain is not fooled by rhythms and musical tones alone; even a cheap clock radio will mimic some of those. The point of hi-fi is to reproduce subtle nuances of recorded music, and in doing so, to arouse not just recognition in the mind of the listener, but passion.

Hi-fi, higher-fi

Hi-fi is a tool. Its essential purpose is to reproduce recorded music so that a convincing facsimile of live performance results. Fortunately, there are nownumeroushi-ficomponents available at reasonable cost, which, though prosaic in appearance, fulfil their essential purpose consummately. These are the Best Buys and Recommended products that this issue has been written to display.

Like a Caterham sports car, most affordable high-performers have their development budgets spent on engineering, not elegance. However, for the music connoisseur who seeks luxury, it is as readily available in hi-fi as it is in cars and watches. The sky's the limit for those who seek to combine the finest sound with stunning looks and battleship build-quality; the finest equipment available today



is hand-built by craftsmen to fulfil the highest standards of workmanship. The finest hifi serves both as a tool of the utmost performance, and as a piece of technological sculpture in which even the most discerning consumers can take pride of ownership.

So you see, investing in hi-fi, and thereby investing in music, is a thoroughly modern and worthwhile thing to do. Discover hi-fi and discover a new pleasure in life!

Congratulations!

Paul Miller, our Technical Editor, was voted 'Test Innovator of the Year' for his Jitter Analyser and ISA (Interpretative Spectrum Analysis) software, which was initially developed for use in *Hi-Fi Choice* lab tests. The award, which was presented at the prestigious Test 96 Awards ceremony in October, was made by an expert panel of judges drawn from the measurement industry, and chaired by the editor of *Test Magazine*, David Evans. Well done, Paul!

Erratum

In last month's *Update* pages we printed the wrong number for Aura, the electronics-manufacturing offshoot of B&W Loudspeakers. The correct number is (01903) 750750.

As this issue was going to press, we learned that the manufacturer of Audiolab products, Cambridge Systems Technology, has a new 'phone number: (01480) 415600. In some instances we had alreadyprinted the old number, for which we apologise.





Aeon Acoustics Signet — featured in Best Of Sessions









CONTIENTS AUNTED 1000 10011 101





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WINTER 1996 ISSUE 161

REGULARS

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A choice selection of the best moments in the past 12 months' Sessions reviews.

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Full details of the hot players we've reviewed this year — Best Buy and Recommended.

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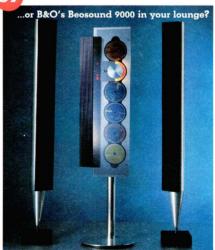
95 British Hi-Fi Awards Winners

We reveal the most popular hi-fi in Britain this year, as voted for by hi-fi readers and buyers.









HI-FI CHOICE BEST BUYS 1996 11

Best of Sessions

HERE ARE SOME OF THE BEST PRODUCTS WE'VE REVIEWED THIS YEAR IN OUR 'FIRST TEST' FEATURE.

Blue Room

MiniPods - the

plastic fantastic!

Choice Sessions (40-something pages), in a four-page overview, is a daunting task. Sessions has provided a first chance to get acquainted with important new components, but also featured a number of complete system packages prior to our Instant Systems features getting under-way. The former have been incorporated into summaries from pages 83 to 89 of this issue.

For this feature we've tried to pick out the highlights of Sessions' other rôles — to seek out and examine the rather more oddball products which don't fit neatly into our mainstream group reviews; and to pick up the key components which are still waiting to be included in our formal reviews.

MARCH

Blue Room Minipod Loudspeaker

£400

The most outrageous-looking loudspeaker from a major manufacturer (B&W), ever to go into volume production? This miniature limbless Michelin-man-lookalike has no audiophile pretensions. These speakers are strictly for fun, but just happen to combine some promising ingredients in the £400 mix. The unusually-shaped GRP enclosure has certain inherent advantages, especially for mid and top frequencies, which prob-

ably explains the MiniPods' disconcally demure way, and can be used.

ably explains the *MiniPods*' disconcerting ability to pull apart recordings and reveal what the producer was up to. Bass was rather inconsistent and less predictable, but the *Pods*' vivacity still managed to raise a smile.

*Blue Room/B&W \(\omega \) (01903) 750750

APRIL

AVI S2000MI Integrated Amp

2899

few years ago you'd be lucky to find a specialist hi-fi integrated stereo amp costing more than £500.

Now there's quite a selection, including the small, powerful and decidedly civilised £899 S2000MI from AVI. It has remote control, looks very attractive in a classi-

cally demure way, and can be used with a matching tuner and CD player (but not vinyl). Total price: £2,747.

The amp packs a serious 100 Watts-per-channel punch, and sounds lively and powerful with lots of energy and attack, but reasonably clean and refined at the same time. Over extended listening there were times when it seemed a little too dynamic and up-front, but that's as likely to be a function of taste and the system partnered with it. This is one gutsy specialist amp that kicks like a mule, but with classy styling and the operational convenience of a mini system.

Meridian 518 Digital Audio Processor

2025

t's a good sign when a product arrives for test, and after a few days we wonder how we ever managed to live without it. Meridian's £925 518

AVI S2000MI — a beefy integrated amp that's really easy to use.





is a digital audio processor with a wide range of potential applications, several of which help improve the sound from a CD transport/DAC combination player. The 518 sits between the two, de-jittering the signal and allowing a number of digital-domain enhancements to be performed, including the introduction of different forms of noise shaping. The 518 proved rather effective, especially on low-level material with plenty of harmonic content, but it is rather music and disc dependent, so you need to experiment to get the best results.

Meridian 2 (01480) 434334

Castle Isis — real-wood speaker whose sound is a peach.

JUNE

Aeon Acoustics Signet Loudspeaker

£850

eon Acoustics' £850 Signet loudspeaker is seriously radical in several aspects, the most obvious of which is a spiral zig-zag tube incorporated into the cones of the main drivers. Signet uses two of these in a very elegant and compact floorstander — only two-foottall, and very slim frontto-back, too. It's a very clean-sounding speaker, best suited to free space siting, with many of the hallmarks of a high-class miniature, equalling



established favourites for detail and transparency, if not dynamics.

Aeon Acoustics (201765) 604288

Aeon Acoustics' Signet — tubular belles!

Trichord Genesis CD Player

254

fter three years of modifying customers' existing CD players with its *Clock* 2 'heart transplant', which aims to produce a much more accurate master-clock signal to reduce jitter, Trichord has bitten the bullet and launched its own CD player, the £550 *Genesis*. Cosworth-style, it's based on a mass-market player, the Pioneer *PD-S503/4*, but includes modifications to the analogue output stage and power supply, as well as the clocking tweak.

There's still some Pioneer left in the sound of course, but there's also Trichord's characteristically generous soundstage, a jaunty musical sensitivity, and analogue-style homogeneity. Anyone shortlisting £500-ish CD players would be foolish not to hear this remarkable machine. *Trichord Research* 26 (01684) 573524

Trichord Genesis

— the Ford

Cosworth of CD

players.





MAY

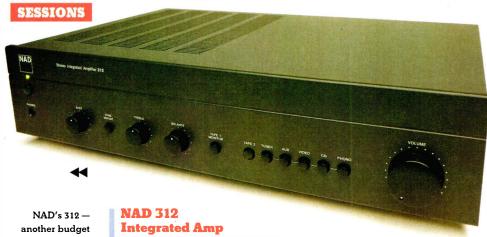
Castle Isis Speaker

523

eplacing the *Trent*, the *Isis* costs £230 (or £270 in yew). Either way, you get a classy, real-wood, bookshelf-size two-way, which sounds a peach. It quickly gets expressive, the full upper bass giving colourful tonality, the lower bass tight and firm. Above all it gives a surprisingly big, dynamic, room-filling sound from a remarkably compact enclosure.

Castle 2 (01756) 795333





NAD's 312 another budget bargain for minimalists everywhere.

he £200 NAD 312 can trace its lineage right back to the original 'budget audiophile' 3020 nearly twenty years ago. The price hasn't increased by nearly as much as the intervening inflation, and you still get a very-well-equipped amp, lacking only remote control. It delivers a gutsy, open sound, which is a little messy by absolute standards, but pretty good for a £200 product. We enjoyed its enthusiasm, but worried it could get a bit much when driving small speakers quite hard. Stick to sensitive and conservatively balanced boxes and you should get a good blend of energy and listenability. NAD 🕿 (0181) 343 3240

B&W's P4 — an award-winning speaker with luxury looks and widespread appeal.



JULY/AUGUST

B&W P4 Speaker

E DE

espite winning one of this year's British Hi-Fi Awards, B&W's £675 compact floorstanding P4 has vet to participate in our formal reviews. It's a simple-but-classy ported, two-way, real-woodveneered-and-Kevlar-coned device in the B&W tradition. The tweeter took an age to loosen up properly, but eventually delivered treble worthy of the deep, tidy bass and uncoloured midband. It strikes a nice balance between studio monitor-type sound and bass-filled crowdpleaser. The hi-fi buff will like the way it digs into recordings and reveals system nuances; the party animal the way it eats power and goes louder and louder without struggle. As a speaker that's all things to all people, the P4 deserves a long close look. Little wonder it won that award.

B&W 🕿 (01903) 750750

Rogers E20a Integrated amplifier

1,090

nly those of a certain age will remember the days when Rogers was first and foremost an amplifier manufacturer, and speakers were something of a sideline. It so happens that Rogers designer Andy Whittle is a valve-amp enthusiast, and approached Audio Note UK to help get the *E20a* project under way. The result is an integrated amp (with

MM vinyl stage) delivering 18W of valve power per channel, at a price of £1,090. The result is that right-to-the-heart-of-the-music character that turns tube users into fanatics. The £20a is an organic and musical amp that does more than merely compensate for a relative lack of power. Its transparency justlets you get on and enjoy the music. Rogers 2 (0181) 683 2101

OCTOBER

Shahinian Compass Loudspeaker

£1,295

ck Shahinian places the drivers on his speakers at strange angles, creating omni-directional effects that have been getting all manner of audiophiles excited. They're not for everyone, or for every room, but they're decidedly different and definitely deserve a hearing.

At first sight the £1,295 Compass starts off like a floorstanding box, but the drivers are mounted on the top panel, which is slanted at 45 degrees, while the boxes stand edge-on towardsthelistener, who sees the baf-



fle as a tilted diamond shape.

According to your perspective, the *Compass* will seem oddly diffuse or spectacularly natural. Comparison with normal speakers is pointless. It doesn't match the bigger models in the range, but still likes being played loud. If you don't try the *Compass*, you'll miss hearing one of the few genuinely 'different'-sounding speakers that is still consummately musical.

Pear Audio 🕿 (01665) 830862



14 BEST BUYS 1996 HI-FI CHOICE



NOVEMBER

Mission 753 Freedom Speaker

27.0

he Mission 753 put the over-£500 luxury floorstander on the hi-fi map, commercially speaking. There were plenty of viable alternatives, but that imposing row of four main drivers caught the customers' imaginations and credit card numbers in real abundance. The £798 Freedom variation updates the established favourite, fitting a silk-dome tweeter and making some quite radical internal cabinet improvements. They work well with a variety of amps, really singing with the Pioneer A-300R Precision. Their bass is well extended and solid, while the midband is just a little veiled, which in turn means that they like to be played loud. They'll never shout at you the way some speakers can, and always remain in control of the situation.

Mission 🕿 (01480) 451777

Townshend Audio 3D Seismic Sink

£400

The latest and most expensive in Townshend Audio's range of isolation platforms, the 3D Seismic Sink costs £400 and adds a third-dimensional freedom of movement to the 2D original. A pump is supplied to keep

the air isolation intact between the damped steel top and bottom plates. An LED indicator helps you to maintain the prescribed pressure. Placed beneath a Trichord Genesis CD player and on top of a Mana stack, the 3DSS brought considerable improvements in bass extension, power, focus and coherence. It's an expensive platform, but in the context of a decent system it's also great value. Townshend Audio 20 (0181) 979 2155

Pioneer A-300R Precision Integrated Amp

240

his amplifier started out as a £200 A-300R, a fairly minimalist and rather lightweight affair blessed with a remote volume control. Trichord engineer Tom Evans then persuaded Pioneer to try a package of modifications he'd devised. The results were so successful that the project has come to the market as the A-300R Precision, priced at £400 and destined to blow away much of the competition, especially with its ability to create a full-scale three-dimensional soundstage.

With the *A-300R Precision* Pioneer has an amp worthy of the mantle left by the *A-400*. If you want to hear real stereo this could be the place to start.

Pioneer 2 (01753) 789789





DECEMBER

Sony MDS-JE500 MiniDisc Recorder

£300

iniDisc is back, and this time it means business. The demise of DCC and the Japanese success of MD seem to be spurring the big name manufacturers to increase their efforts to get this neat medium established in Europe and the US. The £300 MDS JE-500 is a full-width recorder with a plethora of features and an enormous handset. We found that commercial software came across with adequate bandwidth and reasonable sound quality. Recording was a straightforward and sonically rewarding process, and the package is the nearest thing you'll find to a home-recording suite in a single box. If you're not looking for the last word in audiophile sound quality, this could be a handy piece of kit to have around the house. Sony 2 (0181) 784 1144

Sony's MDS-JE500 — the original home studio in a box!

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TUNBRIDGE WELLS 01892 531543 Chantry Audio **UXBRIDGE** Uxbridge Audio 01895 230404 WALLINGFORD 01491 839305 WARRINGTON Doug Brady Hi-Fi Practical Hi-Fi 01925 32179 WATFORD Hi-Fi City 01923 226169 Richer Sounds 01923 218888 Sevenoaks Hi-Fi 01923 213533 WEYBRIDGE 01932 854522 WEYMOUTH 01625 526213 WOKING Bartletts Hi-Fi 01483 771175 WOLVERHAMPTON 01902 772901 WORCESTER 01905 612929 Phase 3 Hi-Fi 01903 245577 **WREXHAM** Acton Gate Audio 01978 364500 YEOVIL Mike Manning Audio 01935 79361 YORK Vickers Hi-Fi

1994

1996

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Best Speaker Cable



Best Interconnect & Highly Recommended Speaker Cable



Best Interconnect & Best Speaker Cable



Cable Talk scooped the top honours for Best Cables in the WHAT HI*FI? Awards 1996



Speaker Cables: Talk 3.1

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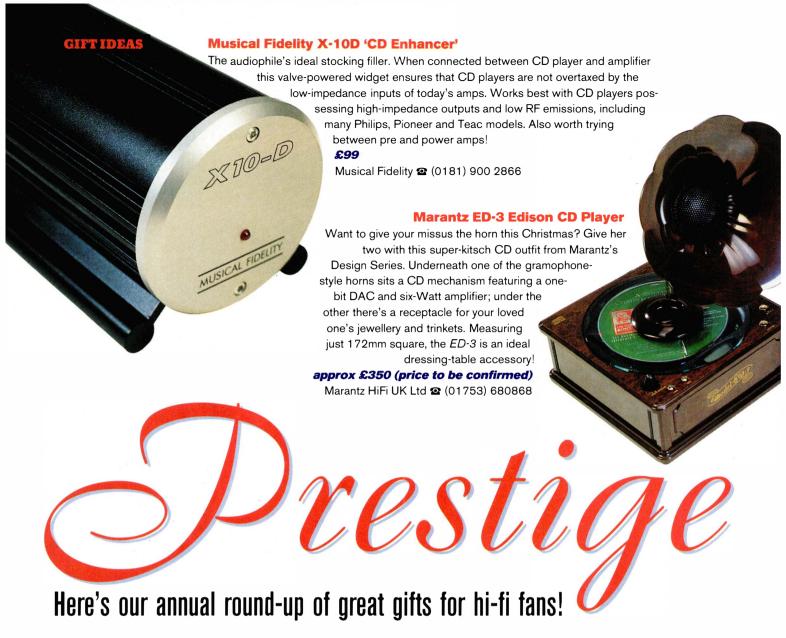


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& Speaker Cables

For further information please write to: Cable Talk, Unit 12, Farnborough Business Centre, Eelmoor Road, Farnborough, Hants, GU14 7XA. Tel: 01252 373434 Fax: 01252 371818

Please quote HFC BEST BUY/96



Habitat Molton Sofa

To enjoy your hi-fi system to the full, you need somewhere comfortable to sit. And this sofa from Habitat, just one in their extensive range, is an ideal posterior-platform. Shown here in Cherry finish, it has machine-washable covers, feather-filled

seat and scatter cushions, and removable legs. It measures 185 x 72 x 98cm, and is also available as a sofabed.

£999 (sofa); £1,349 (sofabed)

Habitat UK Ltd 2 (0171) 255 2545





A Sheffield Christmas Collection

Having the neighbours round for drinks this Christms?
Here's one way to impress them with both your system and your seasonal choice of

music. This collection of Yuletide favourites from US audiophile label Sheffield Lab is weighted heavily towards piano-led light instrumentals, but the sound has all of the company's usual 'Live Studio Recordings' fairy-dust.

£12 - special Christmas offer until Feb '97. Wollaton Audio 2 (0115) 928 4147



What marks out this extensive new range is the patented two-pocket DoubleSleeve, which allows you to store four CDs and booklets in the space taken up by one jewel case. Made from non-stick, heat-resistant polypropylene for maximum kindness to your discs, each DoubleSleeve has a clip to allow easy swapping between a home storage unit and portable carry case. Available from stores like MVC or by post from the UK distributor, who will also supply details of other models available.

RDC-25 home storage unit (illustrated) £12.99 CC-24 carry case (illustrated) £9.99

Bib Ltd 2 (01442) 233233

Prezzies

Lexicon 500T System Controller

In essence, a 'programmable touchscreen computer' that controls
every facet of a complex hi-fi or
AV system. Masking high-tech
innards behind a user-friendly
graphical interface, the 500T can learn and
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£2,000

Harman Audio 2 (0181) 207 5050

Hi-Fi Choice Polo Shirt

Be the envy of the neighbourhood with one of these superb *Hi-Fi Choice* polo shirts. Tailored from 100 per cent cotton, in British Racing Green with a discreet logo, this garment will get you served quicker at the pub, win you new friends and make your hi-fi system sound fantastic. Probably. Available only in flattering XL size.

£8.95 inc. p&p

Order form on page 102 of this issue.



The Perfect Connection

Dirty or oxidised signal connections are a common cause of substandard hi-fi system performance. The Perfect Connection (TPC) wipes aim to bar

Perfect Connection (TPC) wipes aim to banish grot-related hi-fi blues. Impregnated with a special contact-enhancing solution, each TPC wipe should last
long enough to give your whole system the once-over.
Available from XLO dealers throughout Britain.

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Magazines come and go month by month, their contents often forgotten soon after the next edition appears. Hi-Fi Choice's Best Buy Special gives you the chance to catch up on a whole year's worth of accumulated knowledge, wisdom and opinion.

The core is, of course, the in-depth comparative review techniques which have made Choice respected around the world. Since last January these have generated some 38 Best Buy awards, plus 64 Recommended flags. To cover all of these – and much more besides – requires dextrous slight-of-hand and the application of a gigantic shoehorn. Best Buy reviews have been summarised into about a third of their usual space, and Recommended

products précised in one or two paragraphs.

For more information on the products, why not use our unique FactsBack service? (Page 136.) This will fax you a copy of many reviews we have printed in the past few months.

While some 25 pages are devoted to the formal review summaries, another 25 reprise other highlights of the magazine's year. There were two major Awards ceremonies: one voted for by the British public, the other by a convocation of European specialist journalists. Then we have condensed versions of numerous systems features printed this year, together with a four-page distillation of the myriad components encountered in our Sessions reviews. That you'll find on page 12, while the rest rolls out from this page onwards. Have fun!

20 BEST BUYS 1996 HI-FI CHOICE

INDEX

Loudspeakers

The large number of Best Buy and Recommended speakers is partly a reflection of the many speaker tests we've carried out this year, but also that one large group test concentrated on the key

budget miniature sector, during which we re-tested a number of already-established Best Buys alongside the latest contenders. It also reflects the fact that loudspeakers are much more diverse than other assorted tonal balances too.

components — they come in many different sizes, and with all manner of Manufacturers often achieve good consistency across their ranges, but every manufacturer's idea of the 'correct' tonal balance is different, and there's no way the reviewer can say one is 'right' and the others 'wrong'. It's partly a matter of taste, partly a matter of how loud you want to play your music (loud music usually prefers less treble energy), and what formats you favour (CD sounds brighter than vinyl, FM radio or TV). And consequently loudspeaker diversity remains firmly on the agenda!

CD Plavers

C D players are still the fastest-changing category of components in hi-fi. Of the six models to receive Best Buy ratings throughout the year, only five remain in current production today.

The extant Best Buys tend to be dominated by low-cost players, but a rich variety of Recommended models provide plenty of interesting alternatives. The latest mid-price Harman/Kardon models look like very strong contenders, and more upmarket entries like the Quad 77 and

Naim CD3 are bringing fresh credibility to serious-price CD replay, as does Meridian's £1.685 508.20 (see October's Sessions)

Amplifiers

any are called but few are chosen. From a total of 21 reviews, just three received the full Best Buy accolade — one budget, one mid-price integrated, plus one separate pre-/power combo compared to six during 1995. Boosting the numbers a bit, we've included the findings of our April test on A/V processors. Not strictly speaking amplifiers (though they do contain amplification), these are the devices you use to convert a stereo hi-fi system into Dolby Pro-Logic surround kit, without messing up hi-fi performance.

Happily, once again the half-dozen Recommended models (plus a couple more A/V processors) add some welcome variety, with a cluster of interesting mid-price and upmarket contenders from Audiolab, Densen, Naim, Cyrus and Creek.

PAGE NUMBER CATEGORY 22 CD PLAYERS The best digital disc-spinners are here 28 AMPLIFIERS Absolute power that doesn't corrupt 31 TUNERS Airwaves lay themselves open to our best radios TURNTABLES Spin, spin, spin the black vinyl disc 33 37 CASSETTE DECKS We've got it taped on these pages 39 **EQUIPMENT STANDS** Give your hi-fi the support it needs 40 LOUDSPEAKERS Speak to me only with thine eyes 51 SPEAKER STANDS Make your speakers stand to attention SUBWOOFERS Bass, bass all over the place 53 CABLES Get vourself connected - wire not? 55 **HEADPHONES** Hi-fi gets personal with in-head entertainment 59 CARTRIDGES Don't let your record deck give you the needle 61 AV PROCESSORS Add the magic of movies to your hi-fi SEPARATES SYSTEMS How to pick and choose good hi-fi 83 AV SYSTEMS How to get the best AV from your hi-fi system 85 £1,000 SYSTEMS Pick 'n' mix hi-fi don't come much easier LIFESTYLE SYSTEMS Stylish stuff sounding smart 89 EISA WINNERS Europe's favourite hi-fi 91 95 BFA WINNERS Britain's favourite hi-fi

And the rest

S peakers, CD players and amplifiers might represent the core of the modern hi-fi system, but lots of other bits and pieces are necessary to get it to sing. There are also alternative sources like radio tuners, vinyl discs, or tape (and disc) recorders. In today's high resolution systems, the connecting cables which link everything together make an important contribution, as does the support furniture for both

the equipment and

smaller speakers. Subwoofers and headphones too have their roles to play, and we've checked all of them

out for you, over the next few pages.





CD Players

PHILIPS

CD721

£130

ook very hard and you might If find a few CD players with remote control that undercut this £130 CD721 from Philips. In most cases, however, they will be discontinued, about to be discontinued, or of a brand far less respected than the Dutch multinational. The Philips name might not have quite the CD cachet of a few years back, as the company has left the quality hi-fi sector to its Marantz subsidiary. But it's Philips technology that drives Marantz players and a sizeable number from other sources too, at all price levels.

The CD721 is closely based on its popular 720 predecessor, but now sports resilient feet hidden within non-functional shiny surrounds. It also has quite a lot in common with the Marantz CD46, sharing the Bitcheck DAC and CDM12 linear-tracking

mechanism. The back panel is stripped to the bare essentials, with a mains lead alongside a captive signal lead terminated in a phono pair.

The front panel is practical and attractive, with fine fit and finish, an excellent display and niceties like a variable-level headphone socket. The track skip and scan keys are shared, with a timer determining which function operates; irritatingly, the scan mutes when it reaches its higher speed. Note that a still cheaper sister model, the £120 CD711, is also available, the key difference being that it lacks remote control (and could in consequence sound slightly better).

Lab performance was generally below average, with a fair sprinkling of unwanted spuriae around, though the jitter result was well above average. Sound quality rated average, which is a fine result from a picky panel for a player that cost way below the group average. The sound itself is a bit limited, both in bandwidth and dynamic terms, but this player still retrieves masses of coherent detail, and is expressive enough to be an enjoyable experience.

The *CD721* may not be the most scintillating and

communicative player around, but it is essentially natural and relaxing, performing an only slightly limited task very well indeed. It sounds articulate and open, with few obvious coloration effects. At the price it's a glaringly obvious Best Buy.

Philips **1** (0181) 689 4444 Reviewed Hi-Fi Choice, issue 159



DP-3080

22 BEST BUYS 1996

£170

Second cheapest in a fivestrong series of *DP* models, the well equipped 3080 from the house of Kenwood costs £170. This full-width player is fairly bulky, though the structure is quite flimsy, making no concessions to microphony, and few unnecessary resources appear to have been expended inside.

Aesthetics are not a strong suit. The display characters are small even though they occupy a large window, and the controls are a mish-mash of styles cramped into the central section of the facia, while the right-hand end is mostly blank. In feature terms there are few hostages to fortune. Edit facilities allow tapes to be collated, with peak-level

search, and there are repeat, random and search modes.

The business bits include a one-bit NPC 5864 converter and 5841 digital filter, along with Kenwood's recent Advanced High Precision Master Clock jitter reduction circuit, and DRIVE (Dynamic Resolution Intensive Vector Enhancement, no less). Notwithstanding the name, the latter is an adaptive low-pass digital filter designed to reduce distortion on low level/frequency signals. Lab test performance wasn't spectacular, the saving grace being the lowest level of jitter among the group of under-£300 players.

Good panel test results found our listeners in broad agreement about a strong, dynamic and upfront presentation. It came close to exposing the dynamic and spatial heart of the music, as well as reproducing much of the detail from discs, too. "Some real bass at least," said one lis-

tener, while another praised the bright but articulate midrange and treble, and the strong sense of transient attack.

However, some suggested the Kenwood might not wear too well. One felt that while it was immediately exciting, it might prove a little fatiguing in the long run. "This player can party — but even parties have to come to an end some time. You can have too much of a good thing." Not the best match for an aggressive system, it was difficult to trip up in the hands-on sessions, delivering a broad range of material with bold, vivid contrasts.

Here is a £170 player with a £250-£300 sound — a real surprise given its modest build quality. An obvious Best Buy, though this player is better suited to smooth, well controlled systems than those with a bright, edgy character.

**Kenwood 12 (01923) 816444

**Reviewed Hi-Fi Choice, issue159



CD Players

CAMBRIDGE AUDIO

CD6

£300

he Cambridge Audio brand is now owned by the manufacturing arm of the Richer Sounds group, and while its products are nominally available through any retailer via the group's Hi-Fi Direct operation, in practice you're more likely to find them at a Richer store.

This £300 CD6 CD player conceals its true nature behind a bland facia. The graphical discremaining indicator in an otherwise ordinary back-lit LCD display adds a touch of originality. but the CD6 is more notable for the basic set of controls on the player itself. The usual twiddly bits can of course be accessed via the remote handset.

Attributed to the design pen of John Westlake (formerly of Pink Triangle), this is an ambitiously specified player, constructed internally as separate analogue and digital sections,

with extensive mutual screening and a jitter lock between them. Highly sophisticated power supply arrangements include three separate transformers and no less than 14 regulated sections. A dual-differential D/A converter is built around the Philips TDA1305, with good quality wiring. Around the back it's a surprise to find full balanced AES/EBU outputs in addition to the conventional analogue phonos, plus a digital electrical output (on BNC).

• contract o

The internal engineering is very similar to that used in the Cambridge DacMagic II outboard D/A converter, only here there's the additional disc drive

and control mechanism. Lab performance was decent enough across the board (in the context of a low-cost group of players), though some noise modulation and the particular jitter characteristic might help explain the bright and slightly over-

hyped sound.

Although the CD6 was thought 'scrawny' at times, most of the comments on this player were positive, sometimes very much so. "Rhythmic and bouncy, with a very strong sense of togetherness. It actually sounds like a band playing together", according to one panellist. Another described it as: "the only player so far that makes musical sense".

In the hands-on work I found the CD6 taut and crackling with energy, bringing music to life in a way that eluded most of the others in the under-£350 group. But it needs a good system to give its best, and can sound a bit raucous in the wrong company. Ignore the boring styling. This is a thoroughbred CD player that's well-honed, highly capable, and more important still, very enjoyable. With a price tag of just £300, it's worth seeking out. Audio Partnership 2 (0171) 586 5977 Reviewed Hi-Fi Choice, issue 159

SONY CDP-XE500 £160

Two up from the bottom of a six-strong range, the £160 CDP-XE500 is equipped with a one-bit H-Pulse D/A converter, and features a 'jog dial' control a small ratcheted rotary switch for rapid track selection.

The player has an impressive roster of gadgets, including programme edit, shuffle play, peak search, and more. The minor control layout is a bit anarchic, and the display is too fussy. The player has sleek lines and the controls are a peach. Headphones are only fed a fixedlevel signal, but an optical digital output is fitted.

The insides of this player have been through Sony's finishing school, but the team was so happy with the original factory samples that few changes were made. Our jitter measurement looks poor, but is largely a func-

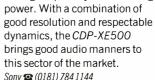
tion of lowrate hum and supply-induced components — a development of the power supply would bring improvement.

Ironically, this near-budget Sony model out-scored its more upmarket XE900E sibling in the blind listening tests, and individual panellists showed agreement. The following quotes are typical: "Good vocals with

plenty of atmosphere around the voice, and well timed. This is a clear, incisive player that offers a big window onto the music." "Very impressive at capturing the scale and drama of a performance and the tension of a large-scale piece."

There was criticism of a 'wall of sound' tendency and a 'hi-fiish' quality. Our separate handson work, though, suggested that this Sony has a constrained

quality, best suited to systems of average capability and resolving power. With a combination of dynamics, the CDP-XE500 brings good audio manners to this sector of the market. Sony 2 (0181) 784 1144 Reviewed Hi-Fi Choice, issue159





KEF REFERENCE SERIES MODEL FOUR

The Inside Story



Look inside the new KEF Reference Series Model Four and you'll understand why it has been hailed as one of the finest loudspeakers in the world. You'll find brilliantly innovative design, bristling with advanced features found on no other speaker. No wonder it has met with such critical acclaim.

"...KEF's best yet, showing that musicality and neutral balance can result from the high-tech and deeply researched designs that KEF is famous for..."

"...It'll play loud throughout the range, holding onto its fundamental inner balance, one which is recognisably truthful to the programme input..."

"...This speaker has a degree of slam and overall dynamic range associated with the best at two or three times the price..."

Martin Colloms, Hi-Fi News



CD Players



NAL 514

£370

AD's 'no compromise' CD player, the £370 514, is a fundamentally simple machine with the familiar grey but slightly dated-looking facia.

Measurements showed some differences from previous NADs, but were entirely satisfactory. Its

sound quality was very well received by the panel, for making every kind of music accessible while still conveying the fun factor. This spacious and invigorating performance is a more than fair recompense for limited features and dour styling.

NAD (0181) 343 3240

Reviewed Hi-Fi Choice, issue 151



SONY

SONY

CDP-XA2ES

perived from a number of very highly regarded predecessors, the £350 CDP-XA2ES blends old and new chips into a bulky but handsome centreload, full-feature-count player. First class technical performance combines with audiophile sonics to give a true heavy-

£350

weight sound quality, sparkling with detail and confidently handling the most brutal dynamic contrasts. However, despite the objective excellence and confidence of the sound, there also seemed to be a slight lack of romance in the way the music was portrayed.

Sony 🕿 (0181) 784 1144 Reviewed Hi-Fi Choice, issue 151 Factsback 1642



£300

urrently representing the pinnacle of JVC's CD aspirations here in the UK, the £300 XL-Z674 is a fully-featured machine with a whole load of inner technical refinements as well. These include the K2 optical interface and the latest PEM (pulse edge modulation) DAC. On test, the excellence of this technology was confirmed by a top-notch lab-test performance. The sound is unfailingly smooth and even-handed, though sometimes the detail, delicacy and passion of the musical experience become a little diluted along the way.

JVC 2 (0181) 450 3282 Reviewed Hi-Fi Choice, issue 151 Factsback 1637



NAIM AUDIO

CD3

ne of the more idiosyncratic and characterful CD players you can buy, Naim's £978 CD3 is the least expensive of the company's range. It looks slim and smart, and features a manually-operated hinged-drawer loading tray, in which a magnetic puck secures the disc. The CD3 is also unusual for using a 'classic' 16-

bit four-times oversampling DAC. The sound quality was found to be favourable, and is characteristically Naim, with powerful bass, almost aggressive timing and coherent but slightly coloured midband. Recommended, but it needs to be matched carefully to individual systems.

Naim **1** (01722) 332266 Reviewed Hi-Fi Choice, issue 155 Factsback 1765



MARANTZ

CD-17

£800

This upmarket player is actually a simplified version of the flagship *CD-15*, featuring high-class components and luxury build in a slim but unusually wide case. Lab performance was impressive in everything but digital image suppression. Sound

quality was well liked, attracting only minor criticisms but not the most fulsome praise—'quite' and 'fairly' often cropped up. The CD-17 has obvious musical talents, and promises consistently good results with a wide range of systems and musical tastes.

Marantz (01753) 680868

Reviewed Hi-Fi Choice, issue 155
Factsback 1763



Real Wood



Real Craftsmen



Real Care



Real Sound



CD Players

QUAD

77

£900

he 77 is priced at £900 as a complete standalone player, but purchasers of Quad 77 amps can opt for a bus-only version and save £200. This is a slim, compact package, smartly finished in a very attractive textured grey, but with control ergonomics varying from the excellent to the odd. The Crystal

4328 Delta Sigma convertor chip turns in a pretty satisfactory lab performance, and sound quality was better still, thanks mainly to a particularly seductive midrange and the organic way it tackled complex material. That said, with really dense, complicated music, a touch of congestion began to become apparent.

Quad 2 (01480) 451777 Reviewed Hi-Fi Choice, issue 155



HARMAN/KARDON

FL8300

his £300 FL8300 CD multiplayer uses a large carouseltype loading mechanism, which makes it very easy to identify and change four of the five discs it holds. The player feels suitably solid, and sounds that way too,

with clean, tuneful bass and an open, deep soundstage.

The treble sounds sweet and natural too, and if the midband sometimes seems a little tired, this is still a very acceptablesounding multiplayer at an affordable price.

Harman/Kardon 2 (01908) 317707 Reviewed Hi-Fi Choice, issue 156



CDP-XE900E

his key model in Sony's recently-introduced CDP range features the unique 'fixed laser' disc drive and has also undergone an extensive programme of 40 modifications some quite extensive - to widen its UK audiophile appeal. Lab performance was excellent, disappointing and inconsistent results. It turned out that the 48hour warm-up period had not really been enough, and the Sony continued to show lower coloration and greater subtlety over the next several days enough to merit Recommendation. Sony 2 (0181) 784 1144 Reviewed Hi-Fi Choice, issue 159



£140

mported by a Richer Sounds subsidiary, the £140 Sherwood CD-4030R looks rather old-fashioned with a very fussy front panel, although the range of facilities on offer is not unusually wide. There's nothing particularly unusual either about the combination of Yamaha digital filter and Philips bitstream

the lab measurements were unexceptional, they do indicate a palatable sound quality. This was very much the case in practice, for while the 4030R failed to greatly excite listeners, it never offended either, delivering a relaxing, easy-on-the-ear, very satisfactory presentation. Hi-Fi Direct 2 (0171) 586 5977 Reviewed Hi-Fi Choice, issue159



515

£350

t's cheap at £350, but NAD's 515 carousel-type CD multiplayer nevertheless managed to combine serious listening pleasure with multi-disc convenience. Soundstaging is not its strongest point, but rigorous attention to detail is combined with considerable musical competence to make a great companion for music lovers. A

mature sounding multiplayer, the NAD firmly deserves Recommended status. NAD 2 (0181) 343 3240

Reviewed Hi-Fi Choice, issue 156





Amplifiers



SA100

£450

relle is a relatively new brand on the scene, but has rapidly built itself a reputation for equipment capable of mixing it with the high end, at prices that are considerably more affordable. This £450 SA100 integrated amplifier isn't the only Orelle to have picked up a Best Buy flag in Choice this year: the CD-100SE CD player received a similar accolade in issue 155, though sadly, that component is no longer available.

This SA100 is a 50W integrated design, which promotes simplicity as a virtue, even to the point of ignoring vinyl disc replay. The slim front panel sets the tone, with just volume, on/off, input selection and tape monitoring. Internally, it's direct coupled throughout, with no capacitors in the signal path. Power comes via a 200VA transformer, and is delivered through a MOSFET outputstage. The whole amp is mounted on a single PCB, with no messy extraneous wiring.

Lab performance is generally competent or better, though distortion does rise a little towards high frequencies, and power delivery is somewhat constrained into very low impedance loads. The high-frequency distortion is at least consistent, while channel balance is excellent, with low noise and only mild susceptibility to RF interference.

A clear favourite in the listening tests, the SA100

was not only liked by all panellists, it also elicited good agreement from the various individuals over its characteristics, including: "musically rewarding", "tight", and "tidy". All commented on the clarity, humanity and diction of voices, and the way it was possible to distinguish exactly how many backing singers were on a track. Furthermore, the voices never wavered, regardless of the musical complexity.

The only quibble was a touch of coarseness in the upper mid/ lower treble, which is unlikely to be a problem unless other components in the system share the same characteristic. It comes across as a slight brittleness on voices, with a touch of glare and lack of body. There was a great sense of orchestral scale, good detail and control, and fine, neutral, extended and weighty bass.

Orelle has made one hugely everything musical in order. Orelle 2 (0181) 810 9388

Factsback 1749

THIRTY SERIES

his amp was reviewed sublipectively as one in a fourstrong group of pre-/power amp combos clustered around the £1,000 mark. All gave good accounts of themselves, but the Moth stood ahead of the group in sound-for-your-pound terms, and set a rare example of discreet, compact packaging.

The test amplifier consisted of five separately-cased modules, all quite deep at 34cm, but very slim and narrow with it. The £349 preamp and its outboard 100 VA power supply are only ten-cm wide and six-cm high. The £879 stereo power amplifier section consists of two monoblok amps plus a third module containing a shared

power supply; again these are only six-cm high but, this time, 15-cm wide.

As well as being strikingly compact, the preamp is also noticeably minimalist. Three unlabelled controls (volume, input selector and tape monitor) and an illuminated dot are the only adornments on the facia. The pre handles four line inputs (on phono sockets) plus an in/out tape recorder connection — on a DIN this time, because there isn't enough room for four more phonos! Vinyl users will be pleased to find they're not ignored, though the additional preamp module you need does cost extra.

The appearance might be downright unassuming, but the Thirty Series' performance will make you sit up and take notice.



Amplifiers

25556

From these modest cases emerged a big, bold presentation that was immediately involving. For instance, on Doctor John's I Know What I've Got, the piano rang out and resonated magnificently, exciting the air in the room with uncommon authority. The brass section pierced the mix with gusto but without unnatural stridency, while bass and drums laid a solid foundation for the band to build upon. And in the middle of all this bigness and boldness, the Moths still managed to extract subtle detail and nuance.

They certainly didn't falter when asked to rock'n'roll, conveying the varied rhythms and feels on a Black Grape album with ease and determination. Whatever the music, the strength of the *Thirty Series* amplifiers seemed to be a finely judged balance rather than excellence in specific areas. Across-the-board competence and groove-ability enabled them to portray myriad genres with aplomb. All in all, a most worthy Best Buy.

Moth ☎ (01234) 741152 Reviewed Hi-Fi Choice, issue 155



£120

Tested with other amps costing up to £350, this Rotel sells for £120, which was way below the group average, right down in the true budget sector — a typical contender in the 'my first amplifier' stakes.

Rotel has been very successful over the years, with both low-budget 'starter' amps and more audiophile-oriented variations thereof. The company's models have UK design input in the selection of sound-quality oriented components in critical parts of the signal path, and in earthing arrangements.

The 920AX isn't as minimalist as some Rotels, but neither is it overburdened with frills and features. There are tone controls here, but these are claimed to provide 'sensible' rather than extreme response tuning.

Besides the volume, balance and input selector, there's a

headphone socket and a tape monitor switch. Inputs are available for vinyl record players (moving-magnet cartridges), three line-level sources, and a tape recorder in/out set. A single set of loudspeaker binding posts lurks round the back.

Lab tests confirmed that power output is significantly less than that available from, say, Rotel's 930AX, but there's still around 50 Watts per channel, with sufficient current in reserve to handle difficult loudspeaker loads. Distortion rises somewhat towards high frequencies, but overall this is solid engineering at a very attractive price. The listening panel gave the 920AX a warm reception, but perhaps lukewarm is a better description of their 'good enough but safe' reactions. In one panelist's words: "It's an amp that does everything right but in a safe and sometimes unexciting manner." Nonetheless, it was one of the few models in the group that

tapped into the emotional content of our classical selections.

It also sounded good with a small-scale acoustic recording, giving an accurate and well balanced portrayal of voices and guitar accompaniment. With feisty rock material, opinion was a little more divided, as the bass sounded just a little 'fat' and could have been tighter and faster, though it remained fundamentally tuneful.

At this very modest price, it's very impressive that the 920AX managed to sound coherent and reasonably well detailed most of the time. It lost the plot slightly in some complex passages, and could sound a little veiled compared to top-flight models, but soldiered on and maintained a good perspective on whatever music was played. Basically, the 920AX is a real hi-fi amp, and at £120 it represents a Best Buy. Gamepath 🕿 (01908) 317707 Reviewed Hi-Fi Choice, issue 157 Factsback 1808

RECOMMENDED

Factsback 1740

AUDIOLAB

8000S

£700

ffectively an update of the ever-popular 8000A concept, the £700 8000S costs

more, and ditches the vinyl disc input (available separately as the 8000PPA) and tone controls. However, it adds a remote handset and microprocessor control, plus considerable future-proofing

flexibility via a mode selector. Lab performance is pretty good all round, with more than 70 Watts available into eight 0hm loads. The sound quality is a good all-round compromise, with fine tonal neutrality and detail retrieval, even if does sound a little staid and sober at times.

Audiolab © (01480) 52521

Reviewed Hi-Fi Choice, issue 154



Amplifiers



£600

CREEK

P42/A42 £335 (EACH)

resatility is a key feature of this conventionally-attired, full-width Creek combo. Our subjective review was based on a minimalist *P42* preamp (vinyl included), plus two *A42* stereo power amps (50 Watts per channel) in bridged-mono mode. Configured thus they give two times 150 Watts; four times 50

Watts bi-amped is another option. This amp proved very sensitive to connecting cables. It really started working well with DNM reson, giving a coherent performance that was full of life and delicate detail, yet proved quite capable of reaching thoroughly unhealthy sound pressure levels without sacrificing control.

Creek (0181) 361 4133
Reviewed Hi-Fi Choice, issue 155

DENSEN

BEAT B-100

A solid and hefty integrated amp, in a sharply-tailored alloy case adorned with just two large gold knobs, the £600 Beat B-100 follows the British trend towards amplifier

minimalism, but is, in fact, of Danish origin. Lab performance was respectable enough, rating 60 Watts into eight

Ohms, while the sound quality seemed to get better and better as the sessions progressed, suc-

ceeding through tight control and subtlety rather than creat-

ing a strong initial impression.

Densen 2 (01582) 561227 Reviewed Hi-Fi Choice, issue 154 Factsback 1742





PRE/POWER £1,150

with gorgeous 'half width' cast-alloy casework, plus a full system remote control straight out of *Star Wars*, this Cyrus combo certainly heads the style council. The £650 *Pre* and £500 *Power* give two times 50 Watts' power, but extra £300 *PSX-R* power supplies can be

added to improve quality. Microprocessor control adds a slickness rare in audiophile products, but the three-mm speaker sockets were a bit of a pain with fat cables. The sound could be more muscular, but is punchy enough to perk up laid-back speakers, yet has the grip and refinement not to sound too effusive.

Cyrus **2** (01480) 451777 Reviewed Hi-Fi Choice, issue 155



£260

Still echoing styling cues first established 20-odd years ago, the £260 314 looks austere and purposeful, yet retains a fair quota of features. It's rated at only two times 35 Watts, yet we managed to get over 50 Watts in the lab, and very short

bursts of up to 180 Watts are available under transient conditions. "Not exactly neutral, but neither is it neutered," was a typical comment on an amp that might be a little too colourful for some. Ultimately and more importantly, though, it made listening to music a lot of fun.

NAD © (0181) 343 3240

Reviewed Hi-Fi Choice, issue 157



NAIM NAIT 3

£550

Itra-slimline casework and green illumination distinguish Naim's only integrated amp. The £550 Nait 3 is rated at a modest 30 Watts per channel, and delivered a rather quirky lab performance. Performance may be upgraded by adding the Flat Cap power supply. Vinyl-

ready and remote control (£725) versions are available.

The sound per se may lack strict neutrality, but the Nait's very superior control of musical tempi comfortably convinced the panel that it is inherently superior to most of the competition.

Naim (01722) 332266 Reviewed Hi-Fi Choice, issue 154 Factsback 1748

Tuners

HARMAN/KARDON

TU950

£200

Priced a little above the true budget sector, Harman/
Kardon's TU950 rings up a fairly modest £200 on the cash register, and provides plenty of features to sweeten the pill.
RDS provides useful station identification, while a total of 30 presets can store FM, MW and LW stations.

The styling is resolutely mainstream, but a dimmable display is a very worthwhile bonus.

Manual and automatic (scan) tuning are both available, though the latter proved reluctant to stop at important stations with strong signals. Perhaps this was because the H/K's scan rate was faster than most of its rivals'.

Once properly locked in, the TU950 quickly made up for its auto-scan petulance. It lacked the rich tonal balance of more expensive and refined models, but didn't exhibit the wasted, bleached textures often found in budget tuners. Voices, for instance, were articulate, free from sibilant emphasis and of reasonable depth.

A live Radio Three orchestral broadcast portrayed musical contrasts with appropriate detail and muscle. And if the strings on a Classic FM broadcast sounded steely and forward, checking against references showed it was the broadcaster's fault. Nonetheless, the TU950 avoided sounding art-

less, even on poor broadcasts, while clearly reflecting the quality of better broadcast material. Rock was carried along on a weighty bass with lively but controlled treble, convincingly conveying the power of rhythm sections.

Technical tests revealed high sensitivity coupled with good immunity from adjacent channels, FM image stations and AM spuriae. Harmonic distortion levels were below average.

Like most inexpensive tuners, the TU950 became less comfortable as the playback volume increased, but it still managed better than most.

Therefore, despite the limitations inherent in a sub-£200 tuner, the overall competence and easy-going sound quality of the H/K TU950 clearly merit a Best Buy rating.

Harman/Kardon **№** (01908) 317707 Reviewed Hi-Fi Choice, issue 157 Factsback 1254



RECOMMENDED

MICROMEGA

TUNER/DAC

£700/£750

Though it is prosaic in both name and appearance, this tuner's internal architecture is most unusual. It's more truly digital than the ubiquitous 'digital synthesis' models, thanks to an internal analogue-to-digital converter (ADC), which takes the demodulated (analogue) audio signal and digitises it. This process removes the pilot and subcarrier tones at 19kHz and 38kHz: the digital encoding process effectively acts as an elaborate but very efficient filter.

The *Tuner* has its own built-in D-to-A, to convert the post-filtered audio signal back into the analogue signals that amplifiers and speakers recognise. However, a digital output is also available

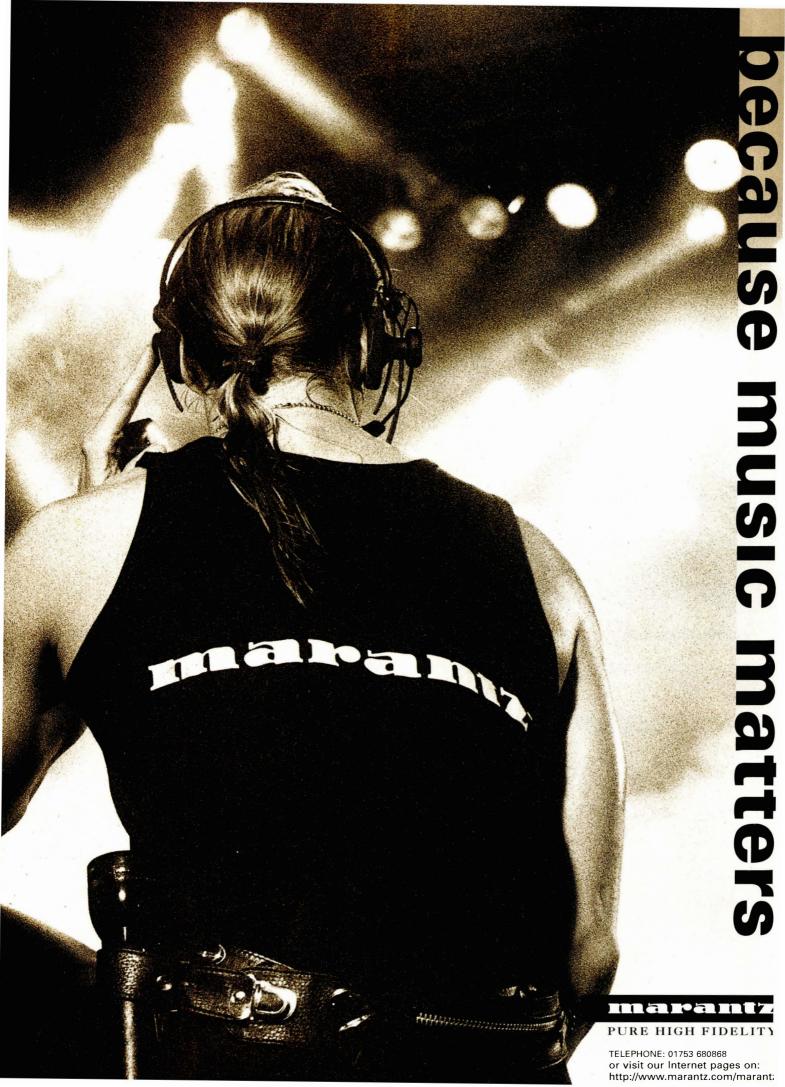
allowing an external DAC to be used as an option. Micromega's matching DAC costs £750.

Lab tested performance was rather unimpressive considering the £700/£750 price-tag, but

The *Tuner* really came into its own in the listening room, where it delivered a delightful sound, refreshingly free of reminders that the source was FM radio, and with a particularly appealing open midband. The addi-

tion of DAC made a slight further improvement, worth-while for the serious enthusiast. Micromega (20181) 502 1416
Reviewed Hi-Fi Choice, issue 157
Factsback 1810





Turntables

NOTTINGHAM ANALOGUE

SPACEDECK

£1.425

The bluff appearance gives some hint to the battleship engineering underlying the £750 Nottingham Analogue Spacedeck—tested with the £450 Space tonearm and the £225 Tracer II cartridge as a £1,425 package, which increased in price shortly after our original review.

This deck does away with any form of suspension, and features a high mass platter driven by a low power motor. An integral outrigger supports the unipivot tonearm — built like a tank, but more shapely — while everything sits on a marble effect plinth. The *Tracer II* is a tweaked Len Gregory moving magnet cartridge, and that's it. There are no fancy powe supplies or other tweaks, and if you want a dust cover, find a sheet of foam.

Spacedeck by name and also by nature, as the reproduced music is given stunning amounts of air, in a soundstage that goes way beyond mere holography. The bass sounds controlled and 'right', yet plumbs depths few suspended decks can reach, and above all



there's the downright honesty and freedom from artifice — it's enough to tempt you to blowtorch your CD collection.

The seven nominated test discs came and went, followed

by one of those extensive trawls through the entire vinyl collection, in which all manner of cherished discs are exhumed and replayed.

How does it sound? It just

sounds like music. If you're dead serious about vinyl, the Best Buy Spacedeck is one of the first real ports of call.

Nottingham Analogue (201773) 762947

Reviewed Hi-Fi Choice, issue 159

RECOMMENDED



ROKSAN

RADIUS 3

£1 170

Recently upgraded to mk3 status, the £470 Radius 3 combines with the £420 Tabriz-Zi tonearm, £130 Corus Black moving magnet cartridge and RokDSU power supply to create a stylish £1,170 record player. It achieves a most successful balance between convenience and sound quality. Tidy, fast, ordered bass, with excellent definition and pace, underpins a forward, detailed but

slightly cramped midband.

This deck pushed the sound-stage forward, making music immediate and exciting. Combine the *Radius 3* with a forward sounding amp and speakers, however, and you may end up with too much zing. On the other hand the balance comes quite close to a typical CD player's presentation, so the fresh, crisp delivery might prove ideal for those struggling to get the best out of both formats. *Roksan* 2 (01480) 451777 *Reviewed Hi-Fi Choice, issue 159*

>>



Turntables

RESON

RS1

£675

nly the unenlightened would fail to spot the similarities between the Reson RS1 (£675 inc arm and cartridge) and a certain turntable from Systemdek. Reson is a Swiss distributor/ manufacturer/tweaker, and the turntable part of the RS1 started out as a Systemdek 1, prior to undergoing Karlev Audio modifications. These include fitting a DNM Rota motor, driven by an external plug-top power supply, an expensive smoothing capacitor, and a special, white, 'budget Ringmat' platter mat. The loosefitting double-decoupled tonearm here is codenamed Mita, and is based on the Rega RB250 design, while the Aciore cartridge is derived from a Goldring moving-coil design. Everything comes already set up (with great precision).

The RS1 might defy most established turntable thinking — but it triumphs almost every time! No other deck in our fivestrong group could match its detailed midband, which was first class. Away from the midband the sound was less impressive: bass was tight but dropped away early, and high frequen-



cies sounded ragged at times.

As a result the *RS1* sounded stunning on some discs and with some instruments, but less so on others. It's capable of delivering one of the most authentic violin sounds around, but the introduction of a synthesiser can make it as sharp as lemon juice. Using a DNM table in place of

our usual Mana made the sound less bassy, but faster and better focussed in the upper bass — a classic example of system synergy, in the way the DNM and Reson components worked towards the same goal.

This only goes to show that the *RS1* is no ordinary record player. Its presentation is too

individualistic and idiosyncratic to suit every buyer, but for those who are on the same sonic wavelength, it's something to get truly passionate about.

Given the affordable price tag, a Best Buy rating seemed mandatory.

Virtual Reality ☎ (01277) 227355 Reviewed Hi-Fi Choice, issue 159

RECOMMENDED



SYSTEMDEK

2X2

£500

Systemdek's £500 2X2 is based on the longstanding IIX, but with acrylic inner and outer platters added to an easily-adjusted suspension system and a new plinth. No specific arms and cartridges are offered, and a Roksan Tabriz arm took the stage for our tests, but the deck has been designed to be used with anything from a Moth to an SME. The expressive and refreshingly open

sound was characterised by unfettered dynamics. Slightly favouring classical and acoustic material, it always sounded comfortably neutral. and delivered fine stereo soundstaging with great stability as music became more complex. It's capable of superb soundstaging, and makes the most of recordings with real depth. When neutrality and resolution combine in this way, Recommendation is a must! Systemdek 2 (01294) 271251 Reviewed Hi-Fi Choice, issue 159

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Tape decks

DENON

DRM-550

FIOU

Successor to the Award-winning DRM-540, the DRM-550 shares a £160 price and generous feature count, including Dolbys B, C and HX Pro, plus headphone volume control and a timer standby switch.

Styling has been cleaned up and cams have replaced solenoids in the tape transport (this can still be a bit clunky, however). There's even an infra-red remote control receiver!

Measured performance and sound quality were both below average, but then so was its



price in the group context — the 550 rather suffered by comparison with more expensive models. It didn't give of its best with Type IV (metal) tapes, but seemed well matched to Type II (chrome) software, with good midband analysis. It worked best of all with pre-recorded

material. You're bound to run into some performance limitations in any £160 cassette deck, but the Denon has an essential spark of musical integrity which transcends its problems and justifies the Best Buy rating.

Denon ☎ (01753) 888447 Reviewed Hi-Fi Choice, issue 158

TECHNICS

RS-AZ7

£300

As a relatively up-market deck at £300, Technics's RS-AZ7 justifies its price tag with several high-tech features, including a Virtual Battery power supply. The most interesting is a completely new replay-head approach, using an amorphous-Z thin-film head and magnetoresistive technology.

Good lab-test results, except at extreme high frequencies,

JVC

TD-R472

ost high-quality cassette decks are uni-directional, but JVC's £200 TD-R472 is a serious attempt to combine high quality performance with an auto-reverse capability.

All the usual features are present, but this deck is distinguished by an higher than average record-bias frequency. Lab testing showed no serious weaknesses, though performance varied somewhat according to

res are predistin-than averlency. Lab rious weak- tape type, and seemed happilency tape type, and seemed happilest with good quality ferrics.

was rated 'pleasant but bland', with no serious criticisms, but some preference for Dolby B over Dolby C. Assuming our errant first sample was atypical, this deck offers performance commensurate with its price, even without considering the auto-reverse capability. The undoubted value of the latter elevates it to Best Buy status.

JVC © (0181) 450 3282

Reviewed Hi-Fi Choice, issue 158

were accompanied by exceptional listening test findings. "Doesn't sound like a cassette deck" was one apposite quote. The handson work confirmed superior bass and midband performance, and general lack of cassette waffle and bloom delivered by this new 'thin-film' approach. This confirms the Technics as an unreserved Best Buy.

Technics (1990) 357357

Reviewed Hi-Fi Choice, issue 158



£300

RECOMMENDED

SON

TC-KE600S

The high-class TC-KE600S includes a number of advanced technological features, and has undergone Sony UK's component optimisation

programme, all in the name of maximum sound quality. Despite some speed instability and auto set-up alignment problems, this three-head Dolby S deck still managed to sound rather good.

Sony 2 (0181) 784 1144

Reviewed Hi-Fi Choice, issue 158



YAMAHA KX-490

The KX-490 puts quality before quantity with its basic two-head mechanism, though remote control is a worthwhile bonus. Even though our sample was somewhat compromised by slight flutter, sound quality is fundamentally good, offering a clean, open style of music-making.

Yamaha ☎ (01923) 233166 Reviewed Hi-Fi Choice issue 158



With Cinema DSP, you'll be amazed at what comes out of the woodwork.

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Cinema DSP

creates phantom

places you don't

speakers. It sounds

so real, you'll swear you hear sounds in

even have speakers.

Bats screech overhead. Wolves howl in the distance. And footsteps crunch across your living room floor.

No, it's not your imagination. You're hearing sounds placed around the room, just as the director intended.

All courtesy of Yamaha Cinema DSP. The home theatre technology that gives dialogue more definition. Music, more dimension. And sound effects, more graphic detail.

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Name

Digital Sound Field Processing is Yamaha's unique technology that electronically recreates some of the finest performance venues in the world. And Dolby Pro Logic is the technology responsible for placing sound around the room, matching the dialogue and sound effects with the action on the screen.

Together, these two technologies allow Yamaha to offer a complete range of home theatre components that outperform other comparatively priced products on the market.

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For your local Yamaha Dealer telephone: (01923) 233166.

YAMAHA

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Supports

SOUND TABLE/FIVE LEVEL AMPLIFIER STAND £600

ana Acoustics Sound Tables in various forms have long been favourites with Choice people. They may not have been the first to demonstrate that equipment supports matter, but they were the first to show how important they can be.

This £600 five-tier Amplifier Stand is a representative example of an almost infinitely flexible system, combining glass and laminate shelves with hardened steel spikes and open metal framework to give all manner of upgrade paths. The prices are high, set-up is fiddly and time consuming, and the kit is only available direct from the manufacturer, but Mana customers



keep going back for more. The secret is the way these supports seem to improve the sound of every component placed on them, and making for an altogether more vivid and entertaining experience.

Mana 🕿 (0181) 429 0118 Reviewed Hi-Fi Choice, issue 151 Factsback 1633

QUADRASPIRE

£200

simple and elegant modular A simple and elegant support system, the fourshelf Q4 costs £200, and further shelves are available at £50 each. Cherry-wood-veneered MDF shelves confer high domestic acceptability, and are supported and spaced by four aluminium rods, normally 140mm long, but also available in 100mm and 180mm lengths.

Set-up is easy enough, and in use this stand delivered a sound which was essentially neutral, avoiding undue emphasis of any part of the spectrum. Bass was full-blooded and articulate, the mid-range clear and balanced, and the treble clean and well ordered. If it lacks the ultimate incisiveness of the

Mana experience, it's easy to set-up and less likely to expose the limitations of your system, and therefore an obvious Best Buy at £200.

Quadraspire 2 (01634) 296615 Reviewed Hi-Fi Choice, issue 151 Factsback 1633



AUDIOPHILE FURNITURE

BASE

op prize for ease of set-up! The Base is a tripod-based modular affair, using Base 01 isolation platforms on top of each shelf. Our four-level stack came to a total of £460. But the sound quality is well up near the front of the pack, managing to sound both lively yet easy going at the same time. Rhythm and timing were spot on and the balance essentially neutral too. Audiophile Furniture 2 (01342) 826262 Reviewed Hi-Fi Choice, issue 151 Factsback 1633





SOUNDSTYLE

SELECT X6105

striking-looking piece of furniture, this new £300 fiveshelf Select model from Soundstyle uses four large tubular legs, one at each corner, with rectangular cross-members supporting the glass shelves. A lustrous paint finish is available in a selection of colours. Set-up is simple and the end result reassuringly stable. The sound is slightly bright and lacking in fine resolution but has good timing and overall balance. Soundstyle 2 (01284) 701101

Reviewed Hi-Fi Choice, issue 151 Factsback 1633

SOUND ORGANISATION

ZO28

£135

back-to-basics model from the brand which introduced the whole idea of equipment table 'sound', this five-tier package costs a very inexpensive £135. Assembly is straightforward, and sound quality is on the lively side of neutral, with some loss of bandwidth extremes. But it's good value nonetheless, and well suited to modest equipment. Sound Organisation 2 (01284) 701101 Reviewed Hi-Fi Choice, issue 151 Factsback 1633





RECOMMENDED

TARGET

Factsback 1633

vailable in several variaa vailable in several valid tions, the standard B5 comes in regulation black with wooden shelves at £185, though our sample had the deluxe finish and glass shelves at £224. Sound quality is impressive too, with good grip, plenty of weight; it's clean at the top end and realistically dynamic. Target 2 (01582) 401244 Reviewed Hi-Fi Choice, issue 151

Speakers



B&W DM302

£130

n the company's first 'budget miniature' for some years, B&W has come up with a very clever way of using plastics moulding technology to engineer a performance advantage for this £130 DM302. 'Prism' is the name given to a rear-panel moulding, which looks like the interior of an anechoic chamber (from inside the box, that is), with large intruding wedges. The idea is to break up, distribute and disperse the 'first reflection' soundwaves from the back of the main driver cone.

Although not everyone's favourite by any means, the 302 attracted little serious criticism, and therefore emerged as one of the most notable successes of the blind listening tests. Voices do sound just a little shut in, but a close-to-ideal overall balance is a major bonus for starters.

There are, however, limitations to what such low-cost engineering can achieve. For instance, the tweeter could sound sweeter, dynamics could be more expressive, and although the bass is quite even, it has a tendency to plod along.

Once again, the balance was the key factor in a good result with the budget system, though the top end did seem a trifle insistent here. And although the speaker could be driven pretty hard without obvious distress, it did show some congestion and hardening.

Probably the best-balanced miniature currently around, if not the most involving, the 302 is an undoubted success and bound to become a leading contender for the best-seller slot. Do note, however, that the amp load is very demanding.

B&W © (01903) 750750

Reviewed Hi-Fi Choice, issue 156

Factsback 1778

UADILL

HARLECH

£850

Castle's Harlech might be relatively pricey at £850, but it's still exceptional value, with a fine wood-veneer finish, a large and complex floorstanding cabinet, and two classy castframe drivers.

Although it operates as a two-way design, an extra main driver is mounted on the top pointing upwards, which does much to increase the spaciousness of the sound. The drivers operate under 'quarter wave' loading, which has some similarities to horn loading. The (two) waves are terminated in a narrow but precise slot between plinth and enclosure, partly augmenting the bass but also providing superior diaphragm control.

The in-room balance is mostly very positive. The bottom end is a bit detached and lumpy, and the speaker needs to be sited clear of walls, but the midband is impressively flat, smooth and

well judged, and the treble is well integrated, too.

The Harlech came out as the overall favourite in the listening sessions, near or at the top of most individual lists. The sound is big and generous in the way it fills the room, yet also delicate and light on its feet, with fine dynamic range and tension, bringing through a convincing acoustic with appropriate recordings.

Superior bottom-end control makes the bass tuneful with good timing, even if it is a bit uneven and lacking in sheer power and authority. The balance might be a bit forward and upfront for some tastes, and the treble a bit exposed for some CD players, but the whole is much greater than the parts here.

Above all, the *Harlech* is an exceptionally entertaining and enjoyable musical experience at a very realistic price, and an obvious Best Buy.

Castle ☎ (01756) 795333 Reviewed Hi-Fi Choice, issue 160



Speakers

MORDAUNT-SHORT

MS30I

£275

A largish vinyl-finished standmount, the £275 MS30i is unusual in using sealed-box

loading. This gives a dry but well-extended bass and indicates that the speakers should be placed fairly close to walls.

The slightly forward balance projects detail well, and the 30i was well liked by the listening panel, delivering fine scale and weight from a compact enclosure.

Mardaunt-Short © (01705) 407722

Mordaunt-Short **№** (01705) 407722 Reviewed Hi-Fi Choice, issue 152 Factsback 1662





DALI 104B

£370

Presentation is strictly utilitarian, but this compact floorstander is impressive material value for money, with twin main drivers to give plenty of urge. It needs to be sited well clear of walls.

Sonically, the 104B is a real party animal. Truly impressive dynamics putting this high sensitivity model ahead of the pack here, though midband coloration lets it down a little, and the top end is also a little restrained.

Dali 22 (0181) 343 3240

Reviewed Hi-Fi Choice, issue 152

Factsback 1657

MISSION

734

£50

A good-size floorstander that has two main drivers, one ported, the other sealed-box-loaded, the 734 is plenty of speaker for £500.

Plenty of loudness is on the agenda, too, though dynamics are not its forte and the top end isn't the sweetest around.

However, the balance is superbly well judged, and fine styling makes a big box look more elegant than

Mission ☎ (01480) 451777 Reviewed Hi-Fi Choice, issue 152 Factsback 1660





B&W

DM602

£300

A largish stand-mount speaker with a very classy main driver, the £300 DM602 is best suited to free-space siting. The balance leaves voices sounding a little 'shut in', and the bass might have been smoother, too. However, dynamics are reproduced with a conviction and enthusiasm rare among budget speakers, perhaps attributable



to the cast-frame, Kevlar-cone driver, bringing extra tension to the musical experience.

B&W № (01903) 750750

Reviewed Hi-fi Choice, issue 152

Factshack 1654

ORIGIN LIVE

OL2A

£470

In contrast to its predecessor of the same name, this good-looking £470 compact floor-stander is an altogether more exciting and invigorating performer, thanks to different drive units. Even though bass is limited and the top end a little too retiring and cautious, the fine midband and good communication skills more than justify this Recommendation.

Origin Live 29 (01703) 442183

Reviewed Hi-Fi Choice, issue 152

Factsback 1664

MUSICAL TECHNOLOGY

HARRIER

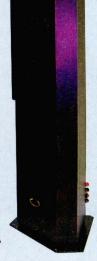
£400

The Musical
Technology uses
metal diaphragm
drivers, in cunningly
triangulated compact
floorstanding enclosures
— to very good effect.

Best kept clear of walls to give the most open soundstage and superior image precision, the £400 Harrier sounds just a little on the thin side of neutral, and dynamically a little undernourished. However, it's very smooth and natural in overall balance.

Mission ☎ (01480) 451777 Reviewed Hi-Fi Choice, issue 152 Factsback 1663







Audiolab 8000DAC

Audiolab 8000CDM Audiolab 8000C

Audiolab 8000P

Audiolab 8000P

Audiolab 8000T

SSCOPEAN IMAGING AND SOUND ASSOCIATION N A R D 196-19 OPEAN AMPLIFIER Audiolab 8000 S Audiolab 8000 S



Audiolab 8000Q Audiolab 8000M Audiolab 8000T



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Speakers

MINI MONITOR

hey don't come any cheaper L than the JPW Mini Monitor at £60, but since you still get two drive units and a crossover network all screwed into a little box, why pay more?

£60

The box is traditional chipboard, covered in woodprint vinyl. Design is not a word that springs to mind, but for functional cost-effectiveness, it's hard to beat. By opting for sealed-box loading, JPW is

sacrificing midbass output in the interests of a tighter balance. Such a speaker is less likely to sound boomy, but close-to-wall siting is essential to reinforce the midbass region. That, in turn, introduces some midband coloration.

The MM came out well in the blind listening tests. The tight, dry bass may lack some dynamic expression, but it times well and keeps rhythms under good control. Elsewhere the balance is a bit bright and scrappy, lending a rather thin overall character.

> With our budget front end. the MM performed capably enough, though the sound was a bit small, lacking in air. The MM isn't the prettiest around, but it's no slouch either, and an artful balance cleverly disguises its limitations. Richer Sounds 22 (0171) 586 5977 Reviewed Hi-Fi Choice, issue 156 Factsback 1781

GOLD MONITOR

he JPW Gold Monitor (£80 from Richer Sounds) shares the same box as the Mini Monitor; more costly drive units account for the £20 price premium. It's not quite as big or as interesting looking as the big sellers around £130 either, but the money saved will go a long way towards buying a pair of stands.

The ingredients are inevitably very common denominators. The sealed-box construction consists of woodprint vinyl-wrapped 12mm chipboard. The sealedbox loading provides a more extended but drier bass alignment, making close-to-wall siting mandatory.

Well liked by half the listening panel, it was praised for its open and coherent delivery. The other half raised doubts over a lack of 'body' and richness, and the thin and slightly 'fizzy' top end. The treble quality is pretty good, but



the quantity proved a bit strong for some tastes, and became a little wearing over the long haul. Dynamics are not really on the agenda, so the end result somehow lacks scale, despite audibly good bass extension. The fatigue factor became that much more obvious with a 'budget' CD player and amp; the 'in yer face' quality tended to highlight the limitations of the sources.

Good value for money: the only caveat is that it might be too revealing to make an ideal match with low-cost components. Richer Sounds 2 (0171) 586 5977 Reviewed Hi-Fi Choice, issue 156 Factsback 1782

RECOMMENDED

SEVERN

compact floorstander, with separate plinth and quality



real-wood veneer at £540, has got to be good basic value. A conventional front-ported twoway, which is best kept clear of walls, the Severn has an open and bright balance (perhaps too much so sometimes) and limited bass weight, but the midband is very clear, coherent and communicative. Castle 2 (01756) 795333 Reviewed Hi-Fi Choice. issue 152 Factsback 1655

MONITOR AUDIO

MA700PMC

xquisite real-wood veneer is Lone justification for the £600 price-tag attached to this beautiful stand-mount. Another is MA's new metal-cone main driver, which has an excellent midband. The bass is rather less impressive. however, and while the top end is sweet, it's also a bit restrained. Monitor Audio 2 (01223) 242898 Reviewed Hi-Fi Choice, issue 152 Factsback 1661



731

£130

Improved since early production, the 731 installs the main driver onto the back panel, providing some mechanical isolation for the tweeter and front panel.

Agood-looking and compact speaker with 'inverted' drivers, the restrained treble is well suited to budget systems, while the bass encourages loud playing.

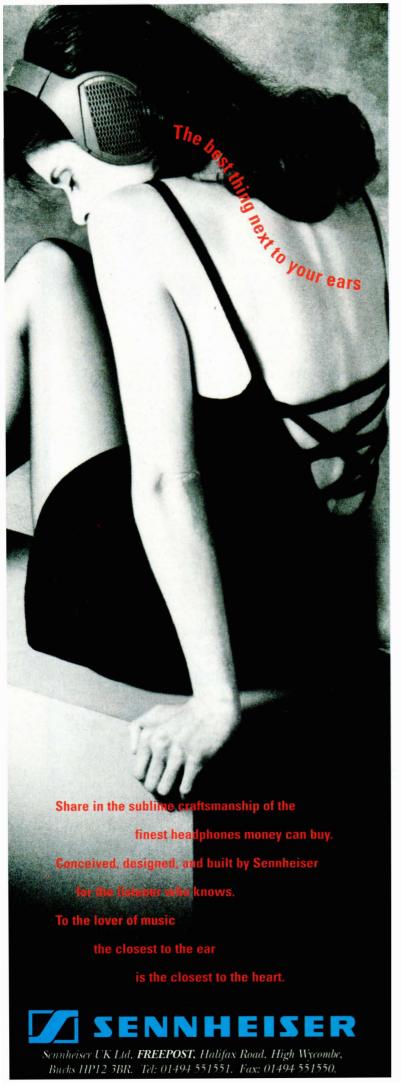
Mission 2 (01480) 451777 Reviewed Hi-Fi Choice, issue 156

CODA 7

his market leader has been relegated from the Best Buy ranks due to some reservations over the build and bass quality. However, it still deserves a Recommendation, as there's plenty of quantity for the price. The front panel is functional as well as attractive, while the fine open voicing remains a vital strength. KEF 2 (01622) 672261

Reviewed Hi-Fi Choice, issue 156 Factsback 1783





perfect balance

The New Meridian 508.20

Taking CD replay to the edge with a new 20 bit converter and precision re-clocking used throughout. With the lowest jitter and pure Class A analogue balanced output the 508 reaches a performance level previously unheard.



The New Meridian 566

A DAC with the performance where it counts. Meridian's twin Phase-Lock Loop yields the lowest jitter whilst our 20 bit DAC offers a new benchmark in clarity and deep fulfilling bass.

The New Meridian 502

A Dual mono preamplifier design. Separating the channels onto individual boards gives Meridian a level of preamplifier performance to match our new 20 bit CD sources. With the highest quality components and Meridian's years of experience in preamplifier design we are now able to offer you a preamplifier that sonically disappears.



The New Meridian 557

Balanced has never been so right. With balanced inputs and a dual mono design this 200W amplifier is the perfect finish to our balanced range. A unique ground balancing system gives you the highest performance in bridged mode without compromising the superb stereo at which Meridian amplifiers excel. Bridged output into 4 Ohms gives a massive 1000W.

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What more could you ask?



Meridian Audio Limited

Stonehill, Stukeley Meadows, Huntingdon, Cambridgeshire PE18 6ED Tel (0)1480 434334 Fax (0)1480 432948

Speakers

MORDAUNT-SHORT

MS10i

£140

he new £140 *MS10i* is neat-L ly detailed and finished, in an essentially conservative and restrained way, and the whole thing feels exceptionally solid. The box wrap is only about 11 mm thick, but the front baffle arrangements are a masterpiece of mechanical integrity. A moulded plastic front with integral main driver frame is held by four massive woodscrews to a substantial (15mm) inset vertical brace. The bass/mid driver has a 90mm plastic cone, a protuberant phase compensating pole-piece extension, an open frame, and decent-size magnet.

The sound has a most attractive overall balance, which manages to sound up-front and open without suffering from undue harshness. There's no really deep bass here, but that seems much less important than the lively and tuneful qualities of what bass



there is. It can sound a bit boxy when driven hard, but at least it keeps up to speed. More surprising, perhaps, is that such a small speaker can deliver such a good sense of scale. The top end is quite sweet and very well judged in relative level, and if it does get a bit edgy when hammered hard, things still hold together well. It worked well with our 'budget' system components, too — just a little up-front for some tastes.

This may well be MS' best miniature since the top-selling 3.10 in the late Eighties. Mordaunt-Short 2 (01705) 407722 Reviewed Hi-Fi Choice, issue 156 Factsback 1789

TB1

£410

stand-mount speaker using a variation on the 'transmission line theme' enclosure, the TB1's presentation is attractive enough in a rather sober way, with realwood veneer around the wrap, and a textured grey front and back. A large transmission-line-type port is set into the back, with (optional) bi-wire connection. The main driver has a cast frame and doped paper cone 125mm in diameter.

Room measurements tend to favour free-space siting, but under these conditions the midband (250Hz-1kHz) is rather prominent. Close-to-wall positioning helps match up the bass and midrange a little better, but correspondingly leaves the treble looking obviously depleted.

Rather ambivalent panel listening test results were disappointing, but quite explicable in the context of a very 'laid back' balance. Adjusting to the TB1's character and getting it correctly placed proved well worth the effort. The end result remains determinedly laid back and understated, and may not have quite enough impact for some tastes, but it has a rare ability to create a well ordered and precisely layered soundstage, with fine top-to-bottom coherence and a wide, clean and consistent dvnamic range.

The TB1 is an obvious Best Buy. Play it loud and Enjoy. PMC 2 (01707) 393002 Reviewed Hi-Fi Choice, issue 160



CODA 8

£190

he Coda 8 is a slightly bigger brother to the Coda 7. It has much in common with its range mate, including a moulded front panel, this time with a largermain driver. KEF has opted to use this to increase bass extension rather than sensitivity, the end result having open voicing but greater weight and scale. Again, though, the fairly lightweight build does compromise bass discrimination. KEF 2 (01622) 672261

Reviewed Hi-Fi Choice, issue 156 Factsback 1784

DM601

decent-size stand-mount speaker, complete with castframe driver and high-tech Kevlar cone has historically cost significantly more than the £200 B&W is asking for this DM601. The result is not quite as even-handed as the baby DM302, but has a lot more going for it in terms of punch and dynamic drive. Generous loudness is available. while the stereo image filled the

end of the room in a thoroughly impressive way. B&W 2 (01903) 750750 Reviewed Hi-Fi



MISSION

751

The 751 is tiny but very tough, and exquisitely presented with heavyedge chamfering and rosewood side panels. Bass quality is particularly good, giving a surprising sense of scale, even if quantity and extension are limited. The midband suited our budget system well, but the extreme treble is a bit exposed. Mission 2 (01480) 451777 Reviewed Hi-Fi Choice, issue 156

RECOMMENDED

Rated a Best Buy in our original review (issue 139), the samples of this floorstander received for issue 156 differed in one small but crucial respect: the relative treble output was down around 1.5dB, which dulled the balance sufficiently to put the

listening panel off. The 733 is still good for the price. but check it doesn't sound too dull in your system context. Mission 2 (01480) 451777 Reviewed Hi-Fi Choice, issue 156

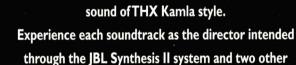


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Speakers

REVOLVER

BERETTA

£100

A standard two-driver, rearported miniature, the £100 Beretta sticks closely to the stereotype that's dominated the UK scene for the past decade. Finish is plastic rosewood or mahogany, with the emphasis on the plastic. The box is solidly built from chipboard, with a little post-formed elegance around the front panel. The drivers are simply wood-screwed flat against the front, with no rebating to smooth the profile, and the grille doesn't look helpful either.

The main driver has a modest magnet and pressed frame with 95mm doped-paper cone, while the tweeter is a small annulus/dome affair. Everything is hardwired internally, via a simple crossover, which is fitted inside the terminal block.

The *Beretta* came through the blind tests with very decent overall results for the price. How-

ever, there's a certain crudeness about the mid and top, and the presence (voice) band sounds a little shut in. But the bass is a real strength, sounding firmer, less congested and more informative than most competitors. Things were less satisfactory when using a budget CD player and amp, with a rather relentless top end and heavy overall effect.

Although not the prettiest or most techno-credible miniature around, the *Beretta* does make a largely successful attempt to deliver a better bang than most. *Revolver* **2** (0161) 973 0505 *Reviewed Hi-Fi Choice, issue 156 Factshack 1790*



ROYD

DOUBLET

he slightly curious shape might look odd at first sight, but the fact that it's so slim brings a measure of elegance to this compact floorstander. Two of Royd's tiny but classy main drivers are mounted above and below a high-quality soft-dome tweeter. The inside of the box is divided to create a separate ported seven-litre chamber for each driver. The whole thing sits on a chunky laminated MDF plinth, fitted with three even hunkier (M8) spikes. Build is exceptional throughout, and real-wood finishes are an optional extra.

The *Doublet* should be kept clear of walls, whereupon it delivers a decent overall balance. The balance is not, however, particularly smooth, peaking up around one o 15kHz. Relative treble level is higher than average.

Voted a joint 'best of the day', its sonic performance is a little



uneven, and the mixture will never win universal acclaim, but the pluses outweigh the minuses. The bass end is mostly impressive, with fine timing, differentiation and power, but some unevenness and limited genuine weight. Dynamic range is good, and the sound is free from clogging, giving fine resolution of musical textures. Voices are a bit coloured and the brightness is not always welcome, but the whole thing remains lively, informative and busy, and deserves its Best Buy rating. Royd 22 (01952) 290700 Reviewed Hi-Fi Choice, issue 160

RECOMMENDED

B&V

CDM1

Truly original speaker designs are rare, and this B&W approach, mounting an external tweeter on a slanted section of the baffle, is particularly clever.

beingfunctional as

well as attractively different. Highclass realwood veneer and B&W's

£600

high-tech drive units all help create a luxury stand-mount of some refinement. It has very impressive bass for the size, decent sensitivity and some transparency, even though the balance is a little cautious and restrained.

B&W ☎ (01903) 750750 Reviewed Hi-Fi Choice, issue 160

MONITOR AUDIO

703PMC

stand-mount 700PMC, this £800 703PMC effectively combines similar drive units into a luxury compact floorstanding enclosure. The veneer work is particularly attractive, though the price premium seems rather substantial. It's well suited to

smaller rooms and free-space siting, and if the bass is a little lacking in weight, the slightly 'shiny' sound has fine up-front coherence and clear, well-projected detail.

Monitor Audio
(01223) 242898

Reviewed Hi-Fi Choice,

issue 160

NEAT

£800

MYSTIQUE

most elegant compact floorstander (available

from £575), which looks very tasty in its £650 real-wood clothes, and comes with a separate plinth. Best kept clear of walls, it's an easy speaker to like, with fine voice reproduction and a natural, relaxing musicality. However, it's an over-achiever. Sensitivity is quite modest, and dynamics soom a little control.

ics seem a little constrained, but bass extension is pretty good for the enclosure volume.

Neat 2 (01833) 631021 Reviewed Hi-Fi Choice, issue 160

OLN

£575

QUBIC 222

£400

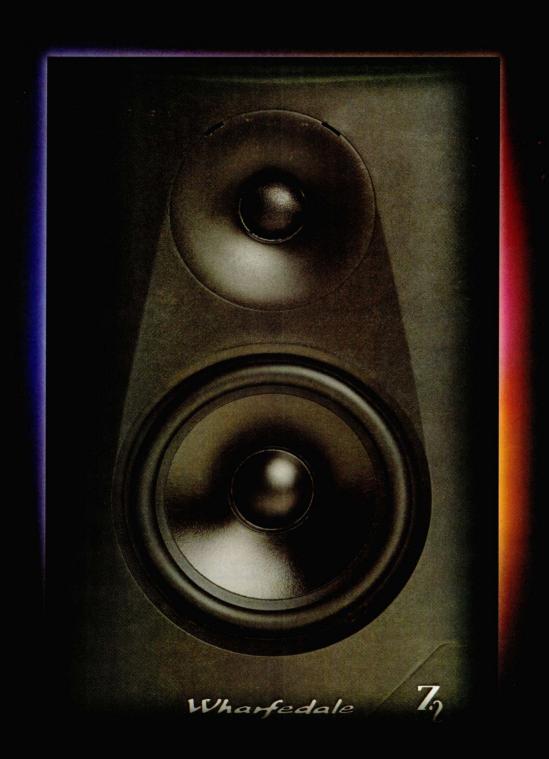
The £400 Qubic 222 might be disappointingly dull in appearance and presentation, but nevertheless represents a lot of very competent loudspeaker

for the price. Its heavy bass output may be better suited to larger rooms than the typical lounge, and free-space siting is mandatory. It goes loud with aplomb and the sound is basically very well behaved, if not terribly exciting. QLN 2 (01352) 730251 Reviewed Hi-Fi Choice issue 160





Priceless



well, from £99.95



Speakers

TANNOY

631SE

£170

The standard 631 was rated Best Buy back in April '95 (issue 141), and Tannoy has now come up with this £170 Special Edition version.

A standard port-loaded twoway with inverted drivers (main above tweeter), it feels a pretty lightweight affair. It's constructed in the current Tannoy idiom by forming a wrap for the sides, front and back (madefrom 15mm vinyl wood print chipboard), and sandwiching this between plastic top and base mouldings. However, one important tweak is a beefing-up of the top surface by means of an MDF insert. Small but rather classy with it, the 631SE recorded pretty good listening test results, albeit with the occasional voice of dissent. Bass isn't its main strength, but at least it is competent in a modest way, and there's also welcome freedom from the sort of boxy quality that seems to afflict many small speakers.

Don't expect much in the way of authority and punch. Midband refinement is what this speaker is all about, being one of the best-judged balances around, giving a very natural, just slightly laid-back effect, with sufficient coherence and dynamic range to keep the interest and involvement high. It succeeds through subtlety, with a hear-through midband clarity that stays unforced yet continues to

The most impressive result came with our 'budget' components, which the 631 SE managed to make sound subtle and smooth, with a firm, dry bass and an open, unforced character. Tannoy (20 (01236) 42019)

Reviewed Hi-Fi Choice, issue 156
Factsback 1791

inform well down into the mix.

WHARFEDALE

VALDUS 500

£3UU

Reviewed in a six-strong group of speakers, chosen for their potential ability to Rock with a capital R, this tall but

far from costly Valdus turned out to be the hardest guy on the block. £300 isn't a lot for any floorstander, never mind one with no fewer than four drive units. Three of these units appear to be identical cone devices in decent-size 200mm frames. In fact, though, the top one concentrates on midrange duties and is loaded by the top part of the cabinet, while the lower two with front port and larger box volume supply the bass urge. The tweeter is a ferrofluid-cooled 28mm diaphragm with some horn-loading. The front panel is covered

with plastic mouldings, black vinyl woodprint covering up the rest. No floor-coupling spikes are supplied, so cones will be needed.

Given the large driver surface area, it's no surprise to find these speakers are very efficient,

going fiercely loud with only modest amplification, yet still able to soak up and use the Watts when needed. The impression these speakers offer is simple: it's large. Where other systems needed some real level to fill the room, the 500 didn't needing far less voltage from the amp.

The tweeters are pretty quick, if not as good sounding as some, and while the *Valdus* 500 goes amazingly loud, it doesn't go down as deeply as some of the competition. Still, in sound-for-pound terms, it's a Best Buy. Whafedale 20 (01132) 601222

Wharfedale 2 (01132) 601222 Reviewed Hi-Fi Choice, issue 155 Factsback 1758



SPENDOR

2030

£600

The £600 2030 is unusual in two key respects. It uses an elliptical main driver to help keep its front panel narrow, and comes in a matt-textured grey finish, the better to match the majority of other electronics. A separate plinth provides firm support, and if the balance is a little dark and restrained, the gentle transitions are easy on the ears. The speaker has fine underlying transparency and the ultimate sound is unquestionably musical and communicative. Spendor 2 (01323) 843474

Reviewed Hi-Fi Choice, issue 160



RECOMMENDED

TANNOY

635

£450

A good-size main driver — complete with Tannoy's dual-concentric co-axial tweeter arrangement — is mounted in a low-slung but capacious floorstanding enclosure, with a Profile shape for improved acoustic performance.

There's plenty of welly on offer, at a very sharp £450, from the 635 speaker. And although the sound does lack clarity and sweetness somewhat, it's very 'up-front' and immediate, thus earning its Recommended tag. Tannoy 20 (01236) 420199

Reviewed Hi-Fi Choice, issue 160

CELESTION

IMPACT 25

£400

Tell regarded among a group test of rockoriented speakers, the £400 Impact 25 is a simpletwo-way box. The main driver is loaded by a generous, front-ported floorstanding enclosure. Absolute deep bass extension falls short of the ideal, but the bass proper is enthusiastic and controlled, while the treble is sweet and unfatiguing. Celestion (01473) 322222 Reviewed Hi-Fi Choice, issue 155 Factsback 1758



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Speaker Stands

KUDOS

S50

£100

Sightly modified since our original Best Buy review (Sept '95), the £100 Kudos \$50 is now normally supplied as a flat pack. The only option left to the user here is to add some mass/damping ballast to the single large-diameter steel pipe.

The two-dimensional base is less than ideal, aesthetically as well as functionally, but it's good and thick, fitted with sturdy spikes, and most effectively decorated by large brass lock-nuts. Tripods are easy to level and automatically provide the same downward pressure through each spike, while a large footprint makes this stand more stable than most quadrupeds. The top plate is quite thick and a sensible shape, but entirely imper-

forate — use cones or Blu-Tak.

Sound quality doesn't match that of the \$100 by any means, but the \$50 is still a class act for its price. The midband might be a bit shut in, but the best bass I've heard from a low cost stand is ample reason to continue the Best Buy rating.

Kudos ☎ (01903) 750750 Reviewed Hi-Fi Choice, issue 159



£280

SOUNDSTYLE

X124

£100

S oundstyle's £100 X124 follows the 'truncated triangle' pillar arrangement (popularised by the Atacama SE24), combining exceptional stiffness with relatively simple fabrication and an acoustic 'shadow' below the speaker. The high price is due to the gloss black finish, but heavy baseplate engineering and eightmm floor-spikes are strengths.

Assembly was straightforward, apart from the usual ballast hassle. The top plate is arguably small for average bookshelf speakers, and not very thick either, but it does have four tapped holes for fitting the supplied top-spikes.

The X124 not only looks very smart, it sounds good too. It's altogether more capable than the SE24, and while it can't

£70

match the similarly-priced *Kudos* in bass performance, it definitely has the edge on midband projection and focus. A little bright for some tastes and systems, perhaps, but many will find it invigorating and very entertaining. *Soundstyle* 2 (01284) 701101

Reviewed Hi-Fi Choice, issue 159



RECOMMENDED

ATACAMA

BD21

£55

A tacama's £70 SE24 has been our Best Buy budget speaker stand over the past few years, but those on a tight budget might well be tempted by the £55 BD21 self-assembly alternative. The single central pillar is a 100mm diameter steel pipe, topped by a small steel plate. It's a decent enough

performer for the price, but doesn't have the smoothness of its bigger brother. Good value for money, but the SE24 lines up ahead on the grid. Atacama (01455) 283251 Reviewed Hi-Fi Choice,

issue 159

KUDOS

S100

The Kudos \$100 looks similar to the \$50, but has a polymer composite base and a £280 price tag. The \$100 comes fully assembled, an inner tube clamping the main column between top plate and base under a pre-set tension. The more we played the \$100, the more we liked its firm, deep bass, wide range and extended

bandwidth.

There's an element of compromise involved in all stands, but the \$100 is the best all-round performer we've yet encountered.

Kudos (201903)
750750

Reviewed Hi-Fi Choice,

issue 159

REVOLVER

RS1

Both top and bottom plates are flat steel sheets, and the trio-column arrangement gives a pillar footprint as large as the truncated triangle, without the same dense visual impact. Sonically it proved to be a capable performer. Being quite low it makes the sound a little warm and rich, but the bottom end sounds firm

and controlled, and broad midband hangs together very well without obvious coloration, even if the top end is a bit coarse and shut in.

Revolver (0161) 973 0505

Reviewed Hi-Fi

Choice, issue 159

STANDS UNIQUE

TUNED SUPPORT £220

Solid cherry wood is a welcome alternative to steel, albeit at a price. Available as a basic stand for £160, this £220 high performance version adds a stressed steel tube as the main mechanical link, with a tensioned carbon fibre upgrade for an extra £120. With steel it betters the budget stands sonically, though the margin isn't dramatic. Carbon fibre

makes a big difference; it sounds quieter, but also cleaner and smoother, with more coherent voice reproduction.

Stands Unique (01933)
461058

Reviewed Hi-Fi Choice,

issue 159

KMS

VIVAS FROM £550

Reviewed as a prototype, the £550 Vivas is probably unique in using steel-tensioned carbon fibre rods between base and speaker. Sounding different from a steel stand, it seems to lack any definable sonic character of its own, though the speaker delivers a much more upfront presentation. The bass is dry and quick, if

y and quick, if reticent, and dynamics aren't very dramatic, but the open transparency here will win many audiophile hearts.
RMS © (01284) 769848
Reviewed Hi-Fi
Choice, issue

HI-FI CHOICE

BEST BUYS 1996 51



Subwoofers

THE CAST LIST

B&W AS6	£500
Jamo SW600	£530
KEF Model 30B	£499
M&K VX-7B	£450
REL Q-BASS	£375
REL Strata	£575

group test of half a dozen subwoofers (issue 154) was written as a compareand-contrast feature rather than individual reviews. Formal Best Buy and Recommended ratings were not awarded; a star-ranking system assessed each model under a variety of headings.

Furthermore, REL has made several changes since our test: the *Strata* has now become a *Strata II* (untested, but probably an improvement). The 40 Watts *Q-Bass* is now only available in 'recycled' form (at £300), using amps returned by those making the £75 upgrade to the new and more powerful *Q-50* (50 Watts, £375). There's also a 100 Watts *Q-100* (£475), recently reviewed in our sister magazine *Home Entertainment* (see boxout).

STYLE	
B&W AS6	3
Jamo SW600	4
KEF Model 30B	5
M&K VX-7B	5
REL Q-BASS	2
REL Strata	2

Compactness has got to carry off the prizes here, so top marks go to the discreet little 'bookshelf'-size M&K. But the KEF is pretty small too, and beats the rest handsomely in the fine detailing. Bonus points too for Jamo, for hiding all the gubbins underneath.

FLEXIBILITY	
B&W AS6	4
Jamo SW600	2
KEF Model 30B	2
M&K VX-7B	2
REL Q-BASS	5
REL Strata	5

Flexibility should firstly be about the ability of the subwoofer to operate alongside a wide range of main speakers. Here, REL sets an example which others would do well to follow. Strata is good, but Q-BASS is even better. M&K gets pretty close, too. However, the B&W, Jamo and especially the KEF all generate plenty of midbass output, so they're better suited to tiny satellite main speakers and home cinema than music reproduction. The RELs, however, don't offer the bass-filtered output signal, which can protect small satellites from bass overload.

HOW LOW?	
B&W AS6	4
Jamo SW600	2
KEF Model 30B	2
M&K VX-7B	5
REL Q-BASS	5
REL Strata	5

It may be no coincidence that the three models that deliver really deep bass are those made by the subwoofer specialists (the two RELs and the M&K). Of the others, the B&W makes the better fist, whereas KEF and Jamo give no greater extension than many a pair of modest bookshelf speakers — neither justify the label subwoofer.

SOUND	
B&W AS6	3
Jamo SW600	2
KEF Model 30B	2
M&K VX-7B	4
REL Q-BASS	5
REL Strata	5

Assessing the sound quality of woofers can never be absolute, because of specific interactions with the main speakers. Here, only the RELs and the M&K deliver really deep bass, setting them a class apart from the rest. The baby M&K is a little thick and congested, without quite the dynamic openness of the bigger RELs. However, it's remarkable that such a small box can deliver such deep bass, in sufficient quantities to keep up with a typical pair of miniature speakers. While Q-BASS is a most

effective device for the price, Strata is a classier act, being less obvious in its activity and more transparent in supplying the weight. The KEF proved commendably discreet, with a good sense of timing, though its bandwidth contribution was limited. The B&W has more weight and the promise of massive reserve headroom. The Jamo suffered from the coincidence of its main output frequency with a major room mode, resulting in 'one-note' tendencies under our conditions, but again, dynamics and headroom were impressive.

OVERALL	
B&W AS6	4
Jamo SW600	2
KEF Model 30B	2
M&K VX-7B	4
REL Q-BASS	5
REL Strata	5

The B&W AS6 is good material value for money and delivers a fair amount of low bass, alongside flexible rolloff filtering, fine dynamic headroom and considerable loudness capability. The Jamo SW600 matches the B&W in value and has some neat styling touches, including a remote control unit, but deep bass is limited and output rather heavily concentrated around 50-60Hz. KEF's 30B is the prettiest and also quite compact, but limited ultimate extension and filter flexibility suggest it's best suited to sub-miniature satellites.

The tiny M&K VX-7B delivers deep bass in sufficient quantity for music applications at least. The REL 'recycled amp' Q-BASS is quite an achievement at £300, especially as it works very well, though the Strata (and Q-100, see box) do justify their extra cost on sound quality grounds. For telephone numbers, turn to the Manufacturer's List on page 137





Jamo's SW600





M&K's VX-7B



REL Q-100

"If you want fine sub-bass at a very competitive price, the *Q-100* has no equal." This sumup line from the five-star Best Buy review in *Home Entertainment* (issue 40) sort of says it all. It's not so much the extra power as such, rather the tighter grip and wider dynamic contrast and headroom, which is even more beneficial with music than movie material.



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The Faraday ring is just one of many small, but vitally important components that make the new A Series so special. And there's only one place good enough for it. The beautiful box we put it in.



Speaker Cables

XL315

rom a brand which is part of Richer Sounds' manufacturing division The Audio Partnership, Gale's XL315 is a very traditional, heavyweight, multi-strand cable, with transparent insulation that shows off its shiny copper stands to good effect. The widely spaced parallel geometry gives a relatively high inductance which might slightly reduce treble output if

used in long runs.

Despite the very modest £2/m price there was little to fault about the sound quality, save for a slight lack of ultimate detail. Image depth perspectives were exceptionally well reproduced, the treble was open and clean, and voices were vibrant and expressive. A great performer at any price, at £2/m Gale's XL315 is a steal. Audio Partnership 2 (0171) 586 5977 Reviewed Hi-Fi Choice, issue 157 Factsback 1800



RECOMMENDED

SONIC LINK

AST50

£1.95/M

n unusual cable using a pair of 16x0.2mm tinned copper conductors, covered with a silicone rubber insulation, the £1.95/m AST50 has higher than average resistance so is best restricted to fairly short runs (below 3m). The sound has delicacy and subtlety, and is essentially even-handed; if the bass was a little detached, it was also powerful. Rhythm is handled well, and while better soundstaging can be found at higher prices, the AST50 delivers a fine all round performance at the price.

Sonic Link 2 (01332) 674929 reviewed Hi-Fi Choice, issue 157 Factsback 1800



BANDRIDGE

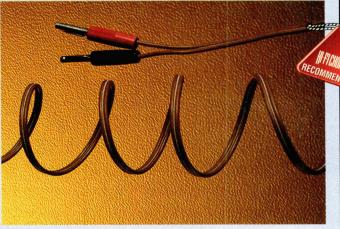
LC7409

£4/M

M ajor accessory specialist Bandridge has a number of speaker cables in its catalogue, including this LC7409, which uses very fine oxygenfree copper strands (1050x 0.07mm) in a PVC sheath. with traditional figure-eight

geometry and a very low resistance. The sound is detailed and up-beat, if a little steely with classical strings. It works best with rock material and is well suited to good-quality components with sweet treble delivery.

Bandridge 🕿 (0181) 543 3633 reviewed Hi-Fi Choice, issue 157



XL160-2

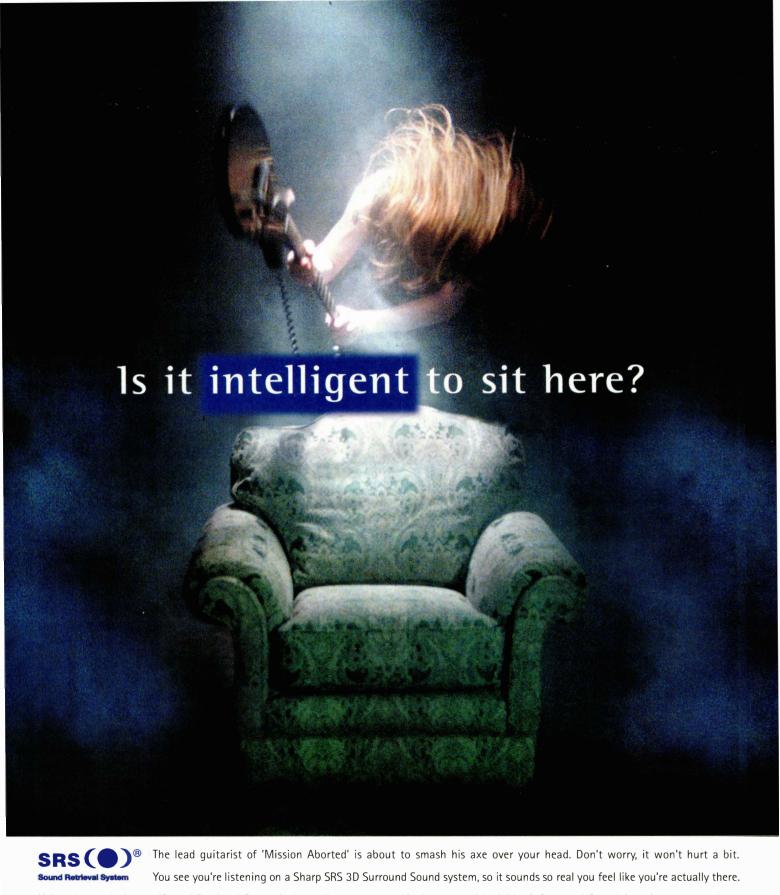
£3/M

hinner, flatter and more carpet-friendly than XL315, Gale's XL160-2 comprises four separate conductors and can therefore be used in bi-wire as

well as mono-wire mode. The sound is bouncy and rhythmic, albeit with some blurring of vocal intonation and loss of expression

Audio Partnership 2 (0171) 586 5977 Reviewed Hi-Fi Choice, issue 157 Factsback 1800





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Interconnects

SONIC LINK

SILVER PINK £35/1M

espite an average showing in its first presentation, the Sonic Link Silver Pink turned out to be the best of the test. It was initially considered a bit bright, forward and lacking in weight, but nicely analytical and detailed. On subsequent sittings the forward brightness fell away, leaving a dynamically sensitive sound with a superb sense of timing. It was also praised for an

admirably low 'muddle factor'; not blurring instruments together, even with the comparative complexity of Rachmaninov's *Third Symphony* in full swing. That it was the best-sounding cable in the test would have been enough for a Best Buy on its own, but when you consider that it's also one of the cheaper examples, the aptly named *Silver Pink* is a true star—so why does it looks like it's covered in melted-down Action Man? *Audiokits* (01332) 674929 *Reviewed Hi-Fi Choice, issue 160*



RECOMMENDED

RECOMMENDED

CAMBRIDGE AUDIO STUDIO REFERENCE £40

espite our built-in prejudice against products that use the terms 'Studio' and 'Reference' in their names, this is one mighty fine £40 cable — one of very few that seemed to find the right path between sounding too exuberant and too refined. It was also one of the only cables to have a dynamic range to match the electronics. Only the slightest loss of detail and a minute amount of veiling kept a Best Buy at bay. In fact, if more studios used this cable as a reference, recording quality would just keep getting better and better.

Audio Partnership (0171) 586 5977 Reviewed Hi-Fi Choice, issue 160

VAN DEN HUL

SOURCE HB £49.99/0.8M

raised for being a good allround cable, the hybrid Source HB has a smooth, natural presentation, like a scaleddown version of the exclusively carbon-fibre The First. It's laidback but not rolled-off; airy, yet well controlled. VdH's cheapest venture into carbon-fibre technology to date has much of the high-end sophistication of the more up-market cables at a fraction of the cost. It won't out-perform The First, of course, but has a damn good try. Highly Recommended.

van den Hul 2 (0181) 810 9388 Reviewed Hi-Fi Choice, issue 160



RECONNENDO

CABLE TALK

STUDIO 2 £64.95/1M

Cable Talk has a winner on its hands with the £65 Studio 2 interconnect. There is little it doesn't do well. Excellent rhythm is here in abundance, but so is dynamic shading. Dynamic scale and detail retrieval are excellent, with plenty of ambience and a first-rate soundstage. Studio 2 is excellent value for money and comes very highly Recommended.

Cable Talk (01483) 750667 Reviewed Hi-Fi Choice, issue 160

CONNECTIONS UK

MIDAS HD

£39

The vivid yellow £39 Midas HD comes complete with an excellent variation on the locking WBT plug — good value, almost without regard to the sound. Fortunately, it acquits itself sonically rather well, too, with a bright, breezy and open sound which is more dry and dynamic than most. Only a rather minor lack of musical coherence, caused in part by a touch of glare, held this cable back from the very best of the bunch.

Connections 🕿 (01487) 832424 Reviewed Hi-Fi Choice, issue 160





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YAMAHA AND MANY MORE

Headphones

BEYER

DT331

Beyer has a strong following in both professional and domestic markets, and the £82 DT331 is clearly aimed at the hifi user. This is a large open-back design in which the ear pieces house speaker diaphragms of respectable size, and are fitted with large, circular, felt-covered foam ear-cushions. It also has a 'double' type headband, with a flexible inner band for location, the result is very comfortable, despite a 210g weight which is higher than much of the competition. Impedance is a modest

40 Ohms, there's no microphony from the lead, and the 3.5mm plug comes with a 6.3mm adaptor.

Bright, light and agile, the DT331 is perhaps a little thin and bass-shy in quantitative terms, but the treble sounds superb, uncluttered by the resonances and colorations often found elsewhere. As a result the sound is clear and incisive almost to a fault, while deftly avoiding fatiguing effects. It's a highly articulate, clean and coherent headphone which makes recordings sound believable and sets them in a spacious, slightly dry acoustic.



Those who seek the heavy, plodding bass lines associated with sealed-back headphones might find them inadequate, but for the music lover they're pure class.

Beyerdynamic ☎ (01444) 258258 Reviewed Hi-Fi Choice, issue 157

voice coils. Impedance is 150

Sound quality is exceptionally good, responding with lacrity to transient stimuli and delivering an exceptionally fluid and neutral midband. And if the treble seems a little muted, the overall qualitative excellence is beyond doubt, extending out to both frequency extremes. All of which adds up to the best allround model in our under-£150 group, and an obvious Best Buy. Sennheiser (201494) 551551 Reviewed Hi-Fi Choice, issue 157

VIVANCO SR 750

£60

ooking similar to the cheaper SR 650, closer scrutiny of the £60 SR 750 reveals that it is heavier at 188g. It justifies the higher price, no longer suffering from the treble resonance which afflicted its stablemate. Cable microphony introduces a minor demerit, but ear capsules are acoustically inert, despite semisealed construction.

The sound is lazy dynamically, and shows a hint of lowermid overhang, so the sound isn't as open as some. But the treble is sweet, timing is good and the sound as a whole is clean, with good detail resolution and a fine sense of acoustic scale and space — a steal at £60.

Vivanco (20) (01442) 231616



SENNHEISER

HD 565

£150

£82

design from the top of Sennheiser's *Ovation* series, the £150 *HD* 565 is relatively heavy at 255g, but is extremely comfortable. It's an open-back design, and is more acoustically transparent than most. Modular construction adds to long-term serviceability, enabling leads (or ear pieces) to be easily replaced. Physically it's a rugged design and should survive tough duty with few scratches. The con-



necting cable had low microphony, while the ear pieces incorporate powerful, small rare-earth magnets and laminated Mylar diaphragms and aluminium

RECOMMENDED

SENNHEISER

HD 455

£55

Sennheiser's £55 455 is a snappy dresser with sharply defined lines and natty red foam inserts. The design is well built, modular, light and comfortable for long periods, with a good sound quality. It's not particularly clear, detailed or expressive, but the absence of obvious resonances brings a smoothness which is arguably preferable for extended use. No sonic over-achiever but fine construction and a sharp price



both point towards a Recommended flag. Sennheiser (201494) 551551 Reviewed Hi-Fi Choice, issue 157

VIVANCO

SR 650

Described as a 'half-open' design, the £50 SR 650 is a 175g lightweight and is very comfortable to wear, thanks to a twin-headband arrangement and soft cushioning. The bass sounds even and well-extended, and there's plenty of treble too, but this has a sharp and aggressive edge, unlike its £10 dearer stablemate. Treble resonance tends to detract attention from the midband, and can become a little wearing with extended lis-



tening, though the level of detail and overall coherence as well as physical comfort at a reasonable price still imply Recommendation. Vivanco (201442) 231616

Reviewed Hi-Fi Choice, issue 157



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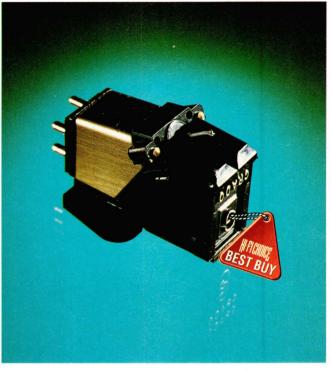
TARGET- STANDS UNIQUE - SOUNDSTYLE

Cartridges

PRESTIGE GOLD £149

rado is one of the oldest hi-fi brands around. Back in the days when the vinyl pickup cartridge was king, the company had a much lower UK profile than bigger rivals like Shure and ADC, but its individual approach still managed to build a strong cult following. The range went from some of the cheapest up to the most expensive cartridges around — yet top to bottom they looked almost identical, featuring a replaceable stylus assembly that was so securely fitted that a tool was supplied for its removal.

An upmarket cartridge by any normal standards, the £149 Prestige Gold looks exactly the same as those predecessors. It's a high output moving magnet (MM) design, the technology being a moving-iron variation on the MM theme, incorporating Grado's 'flux bridger' generator principle which needs fewer coil turns than most MM systems. This in turn reduces the coil inductance and renders the output unaffected by the varying capacitance loadings of different



tonearm cables and amplifier inputs. You can't 'tune' the top end of a Grado like some moving magnet designs, but you don't have the unwelcome sonic repercussion of a tuned resonance to contend with, either.

Grado's approach to upmar-

ket cartridges has always been based on the careful selection of individual samples. The Prestige Gold models represent the top ten per cent culled from the already highly-specified Prestige Silver (£119) production.

The sound of high-output moving magnet cartridges never quite seems to match the sweetness or refinement of the better moving-coil types, but the Prestige Gold came a lot loser than most. It was lively and detailed but never edgy on vocal sibilants, and didn't overemphasise acoustic guitar leading edges. Voices were expressive and involving, tonal balance seemed even, and there was a sense of substance often lacking in MM types. Although not as scrupulously detailed as the best moving-coils, it still wrested plenty of information from the groove and imparted a proper feel to the music.

The Grado's presentation was extremely easy to live with, and comfortably communicative. It didn't ram feisty music in the face but did maintain a lively character. It will probably gel well in a great many systems, and since it managed to keep its head high in much more expensive company, the £149 price seems positively reasonable, therefore the Prestige Gold is a definite Best Buy.

Grado 🕿 (01284) 701101 Reviewed Hi-Fi Choice, issue 158

RECOMMENDED

LYDIAN

o a long-standing fan of Lyra's upmarket Clavis DC, the arrival of this 'entry level' £649 Lydian provoked plenty of recognition cues, leading to immediate (careful) removal of the (green) bodywork, and consequent sound quality improvement. The Lydian comes close to its more expensive brother in all the most important sonic and musical respects, just losing out a bit in bandwidth and speed. Which means it's more than a match for anything else around,



extracting bags of information but keeping it tightly knit into the music as a whole.

Lyra 2 (01494) 441736 Reviewed Hi-Fi Choice, issue 158

WILSON-BENESCH

£689

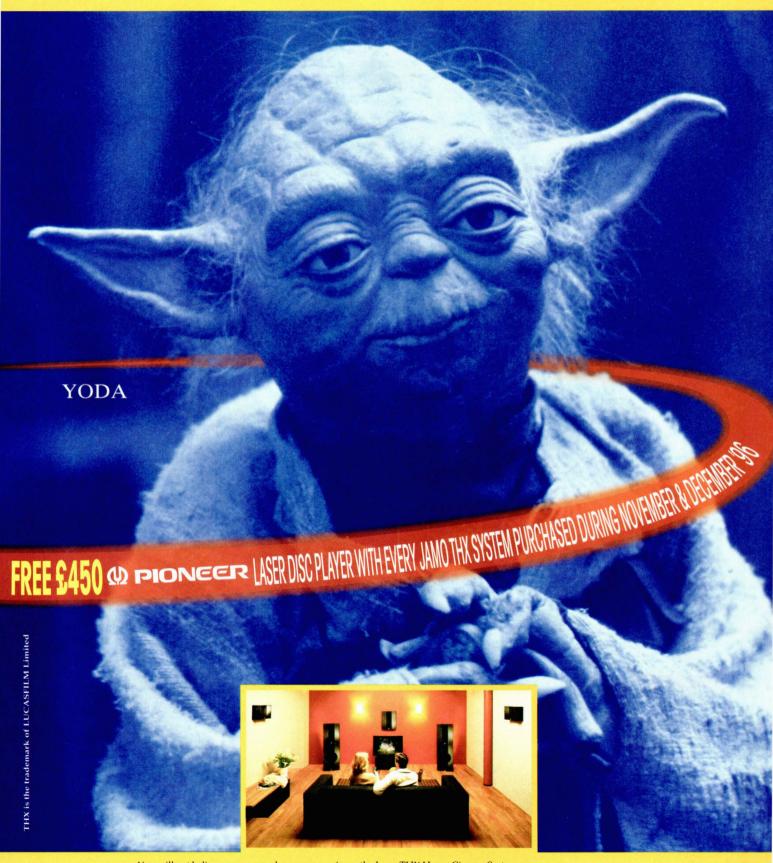
MATRIX

Sheffield-based Wilson-benesch are big fans of carbon fibre, using the material extensively throughout their range, including the 'bodywork' of this £689 Matrix cartridge. Said 'bodywork' is entirely vestigial, leaving the high output moving-coil generator exposed and the longish boron cantilever looking very vulnerable indeed. Not for the ham-fisted, this one. But eminently forgiveable in view of the excellent sound quality, and the effortless way it lets the



music take over — delightfully clean and neutral, yet fast, dynamic and powerful too. Wilson-benesch 2 (0114) 285 2656 Reviewed Hi-Fi Choice, issue158

HERE'S SOMEONE WHO KNOWS A THING OR TWO ABOUT CINEMA SOUND





You will not believe your ears when you experience the Jamo THX Home Cinema System – the exciting new dimension in family audio visual home entertainment.

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AV Processors

TECHNICS

SH-AV500

£280

ot so much an amplifier, more its second cousin, the AV processor is for those interested in adding a movie-watching dimension to an existing hi-fi system. There are various possible ways of making such a transition, as Dolby Pro-Logic processors are built into a whole variety of components — TV sets, amplifiers, receivers, mini systems, even satellite receivers.

For anyone who puts hi-fi performance at the top of the priority list, however, the add-on processor is unquestionably the way to go. You can opt for the convenience of using the remotecontrol processor to switch all audio and AV sources, or stick to the purist route by using the processor just for the video components, and running a single connection back to the hi-fi amp.

The £280 SH-AV500 is a pretty chunky component, with a useful operation/status display, Pro-Logic and simulated surround modes, plus the extra power amps needed for centre-front (50 Watts) and surround sound (two x 16 Watts). Although the latter might have been more generous, in other respects the lab performance is very good, with lowamplifier distortion, fine channel separation and steering logic, wide dynamic range, good overload margins, and extended frequency responses even on the surround channel.

This promising engineering performance translates into a very subtle, well-balanced and smooth sound, which remains clear and lucid without sounding too bright or losing its grip on important detail. The nauti-

cal sound effects spread from the front to the surround with a marvellous and surprising sense of integration.

Loud sound effects in one channel do not tug the image to one side; the processor maintaining discipline over both bold and subtle details together. A slight overall mildness helps achieve an air of authority and composure, and the musical soundtrack came through with genuine commitment and emotion. Moreover, the sense of balance and subtlety

was maintained at low levels, too, keeping up the level of involvement and attention where lesser models lose tension and become less effectual.

Despite its modest 'entry level' price, this Technics AV processor takes an evenhanded and highly competent approach to its surround sound duties. However, it also deserves the epithet 'hi-fi' for the degree of atmosphere and level of tension it brings to movie soundtracks. Technics (1990) 357357

Reviewed Hi-Fi Choice, issue 153



O PIONEER O PONTER D PONTER D PRECONNENDED

PIONEER

VSP 200

£250

This £250 VSP 200 from Pioneer has quite a history. It was the stand-out bargain in a group of AV processors way back in December '94 (issue 137). It then managed to repeat the trick in our sister publication, Home Entertainment, in the summer of '95. It would have done the same again this year had it not come up against the similarly priced Technics

SH-AV500, which definitely has the sonic edge.

With a combination of 50 Watts plus two x 24 Watts power available for the extra AV channels, the VSP 200 remains a very lively and entertaining performer, with a real flair for the dramatic.

Maybe it doesn't provide the cleanest sound around, but it still thoroughly deserves this Recommendation rating.

Pioneer © (01753) 789789

Reviewed Hi-Fi Choice, issue 153

RECOMMENDED

ARCAM

XETA 2

£650

relatively upmarket AV processor at £650, Arcam's Xeta 2 is distinctive in a number of respects, and offers a very British approach to the art of AV processing, shared only by its amplifier stablemate Xeta 1.

The Xeta 2 is a neat, slim unit with no on-board display; instead a built-in character generator displays the necessary information

on the TV screen. Simplicity and future upgradability are preferred to an abundance of frilly features. The lab performance checked out very well, with a hefty 65 Watts plus 2 x 53 Watts of power available. The sound is vivid and robust, building drama most effectively with full-scale block-buster movies, though more delicate soundtracks were a little less successful.

Arcam ☎ (01223) 440964 Reviewed Hi-Fi Choice, issue 153





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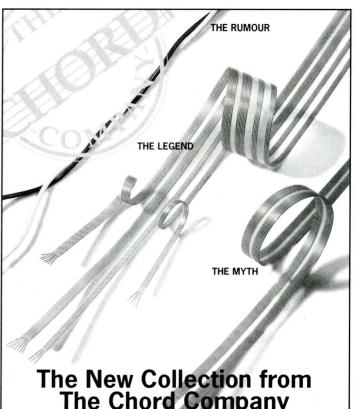
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Prepare before

You know that saying, "You don't want to do it like that, you want to do it like this"? That's our **Jimmy Hughes** all over, that is...

uying great equipment is just the beginning. Unless it is set up and adjusted properly, the sound it produces may disappoint. And it's almost impossible to get good sound if your electrical connections aren't clean and tight. So always begin your setup routine by checking that plugs and sockets are free from tarnish. Next, make sure all connections are firm and that contacts are solid.

In an ideal world, wires should be soldered to plugs, though a tightly-crimped connection can be just as satisfactory. Don't just check out signal cables; mains wiring is every bit as important. Always disconnect equipment from the mains and seek expert advice before investigating things in detail!

Avoid mains plugs and distribution boards that have neon power lamps, as these can lead to a grainy sound. Also, consider replacing stranded mains cabling with solid-core-type where appropriate. Again, you should get a cleaner, less grainy sound.

If your equipment has a

HI-FI CHOICE

detachable mains lead using the popular three-pin IEC plug, it's possible to buy ready-made solid-core replacement cables from DNM | (01277) 227355]. The company also offers a special solid-core-wired 13amp mains distribution board for audio use.

Where your hifi sits can significantly alter the way it sounds, so don't overlook this vital aspect of installation. There are many brands of audio support available, but most consist of a rigid-steel frame with spiked feet and shelves.

Realising that a good support platform could noticeably alter the perceived sound of a system led to the use of a lightweight suspended shelf that would not store energy. It was left to London dealer The Sound Organisation to market a purpose-designed support stand - primarily intended for Linn's LP12 turntable.

Ideally, loudspeakers should be placed so that their tweeters are at ear height. However, placing



However, it soon became clear that other components, like amplifiers and cassette decks, also gave improved sound when placed on such a platform. The improvement was so noticeable, it made sense to site the whole system on purpose-built supports. Mana Acoustics has taken the concept to its logical conclusion with highly rigid stands.

Keep your plugs

clean for sound

that's pristine!

It must be hard for sceptics to accept that equipment stands can have anything more than a subtle influence on sound quality. But once you experience the cumulative effect of multi-tier Manatables, you'll beg to differ!

Stands are crucially impor-

tant to the sound of speakers, too. In this case the aim is to provide a solid foundation for the speaker, so that spurious movement is greatly reduced. This

enables the drive-unit cone to translate its movement into s o u n d efficiently.
To achieve

maximum rigidity, it's useful to weight down the speaker stand with sand or lead shot. Doing this improves focus and detail, leading to a more tactile and articulate sound that has greater immediacy and attack, plus increased firmness and stability.

Where spikes are used to provide an interface, it's vital that they're adjusted to the right height. This helps ensure an even spread of support, with no wobble or 'chatter'. Stands with glass shelves are particularly demanding of correct adjustment.

You must always remove the



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equipment from the shelf being set, to ensure the spikes are at the correct height. If you don't remove the component, its mass may cause the shelf to bend slightly, making it tricky to get each spike adjusted optimally. Likewise, speakers should be removed from stands when you're adjusting floor spikes to compensate for uneven surfaces.

Use a spirit level to ensure the stand is properly levelled — this is particularly important for components like turntables. Because many floors are uneven, you should reset the spikes if ever the stand is moved. Sometimes, even partially dismantling a stand (for cleaning, say) can result in slight changes to spike height, if the point beds into a different part of your floor.

While there is great merit in having rigid supports, many pundits advocate the use of decoupling platforms like the Townshend Seismic Sink [28 (0181) 979 2155]. Turntables are very sensitive to external vibration, and some have only limited suspension. If footfall problems cause your turntable or CD player to jump when you walk past, investigate the use of an isolation platform.

Position your speakers!

Back in the 1970s, loudspeakers were regarded as the most important link in the hi-fi chain. Since that time, opinion has come to favour source components as determinants of a system's performance. There is merit in both points of view, but it's hard not to overestimate the importance of choosing the right speakers and positioning them correctly.

The classic stereo speaker setup has two enclosures spaced about eight to 12 feet apart, with the listener sat about the same distance away to form an equilateral triangle. You can vary these dimensions a little without



Your whole system will benefit from good supports.

serious mishap, but having the speakers too far apart may lead to wide central images — the 'hole in the middle' effect. Placing speakers too close together causes a lack of stereo breadth and width.

It's worth experimenting with placing the speakers in different parts of the room. Often, speaker positions are dictated by seating arrangements and furniture, but if you can try alternative sites, benefits may result.

Usually, you should set the height of the speaker so that the tweeter (high-frequency) unit is at ear level. This should help sharpen stereo imagery, and ensure that directional high frequencies are not lost. However, it can result in a tonal balance that is too bright and forward.

When this occurs, turn the speakers inwards so that their axes cross at a point in front of the listener. A less purist alternative would be to mount the speakers up high, near the ceiling. The latter arrangement gives a lovely, even spread of sound, albeit with a diffuse soundstage.

Hi-fi is unpredictable, and sometimes the best solution to a problem will be totally unexpected. For example, faced with a sound that lacked depth and treble brilliance, who would think that the best cure might be to add a sub-woofer. Yet it's surprising just how vital it is for overall fidelity, to reproduce signals of 20Hz and below.

Even large speakers can benefit, let alone small standmounted types, which probably offer little useful output below 50Hz — whatever the spec says. A good sub can greatly improve imaging and depth, while imparting a lovely, rich sheen to the upper frequencies.

Even when you play recordings of instruments that seem to have little or no deep bass, the effect can be quite startling. A good sub isn't just for bass freaks who want to shake the room.

Homœopathic remedies

Removal of speaker grilles is strongly recommended by many pundits, but do listen and compare before consigning yours to oblivion. Sure, you'll get a sharper, more immediate sound with the grilles off, but with them on, things should sound more homogeneous and integrated.

A quick A/B comparison with grilles on and off will probably favour the latter, but see how you feel over a longer period. If, minus grilles, things sound slightly fatiguing, try listening for a whole evening with grilles on, and see if you enjoy the experience more. It's easy to be impressed by a bit of extra bite and immediacy, only to lose warmth and integration in the process.

- If CD is your main source, and your amp has a tape-monitor button, using the tape input instead of the CD input may improve the sound. This is because the tape input takes the signal via a shorter path, bypassing the main input selector. The amplifier must have a separate tape-monitor button or switch for this to work, though.
- Many integrated amps have two sets of speaker terminals, marked A and B, and logically, most users usually plump for set

A. However, these often reside above set B, and because they're physically further from the amp's main circuit board, they don't sound as good as the 'B' terminals. Sometimes swapping from A to B can make a surprisingly large difference.

This may be a right pain, but you'll find your main source sounds best if you don't have extra sources connected to the amplifier at the same time. If CD is your principal source, but you also have LP, tuner, tape and video connected, try this test.

Play a vivid-sounding CD and listen; then play again, having disconnected all other sources. Keep volume levels identical. Music should sound 'louder' and livelier when the amp has only one source connected; there should be firmer, deeper, more powerful bass, plus greater fine detail and presence.

It's a moot point whether any benefits are worth the hassle of connecting each individual source component every time you want to listen. One for the serious anorak only? Needless to say, I listen this way...

Those with only one source, or dedicated enough to connect only the source on audition, will find it beneficial to make up shorting plugs to short-circuit all the amp's unused input sockets.

Older readers may recall that some 1970s Japanese amps were actually supplied with such plugs — no-one knew why at the time! Take care when shorting-out the amp's tape record outputs. Unless these are buffered, and thus protected, you might find shorting plugs degrade the sound instead.

Finally, something that defies logical explanation: the way CD players seem to sound better when played from rest. John 'Ringmat' Rogers showed me this one, and it's bizarre. Play a CD by a selecting a track before the disc has started spinning. Then cue the same track, but this time with the disc spinning already. I think you'll find the sound equally impressive second time around.

If you cue from stop, listen, then press pause, or forward/reverse shuttle, you should notice the sound losing some of its freshness. The best sound seems to occur when you go straight to the desired track from stop. Strange, huh?



Help!

Malcolm Steward dispenses wise hi-fi advice with a toothsome smile and a cheeky wink.

Send your hi-fi queries to 'Help!' at the usual address (page 145) or 100433.1130@compuserve.com. We regret that we cannot answer individual queries on a personal basis.



Query of the month

Brought to you in association with B&W Loudspeakers!

We're awarding a pair of B&W DM601 speakers, worth £200, to the writer of this month's best query. These superb 14-litre enclosures sport one of B&W's famous 120mm Kevlar mid/bass drive-units, which come with a cast-alloy frame, leading to sound quality that is praised for its sense of authority and soundstaging. Wow!

Cartridge confusion

My present system consists of a pair of JPW P1 speakers on Heybrook stands, a NAD 3020i amp and a Yamaha KX-380 cassette deck. Recently, I picked up a secondhand Thorens TD160 turntable and SME Series III tonearm from a junk shop. I fitted a new drive belt and borrowed an Audio Technica AT-91 cartridge from a friend. Fortunately, the instructions for the arm had been supplied, although setting it up was still a small nightmare. The results have been amazing, to say the least; my previous experience of records was with a cheap midi system before the separates were purchased.

I do feel, however, that in comparison with the cassette deck, the bass could be a bit more powerful, and voices seem to have very harsh sibilance on some records, which is annoying. Obviously, the cartridge is only a very cheap one, and this is where I need advice on something better. The manual for the arm had some information about a Shure M75 cartridge with it, but this was not on the deck, and I am informed it is no longer available. I am willing to pay a fair amount for one, but please don't suggest something that costs a few hundred pounds!

Richard Pardoe-Williams, via the Internet

The Shure cartridge was a highcompliance design, ideally suited to your old SME arm. Nowadays, most cartridges have lower compliance and will work best in a more modern tonearm. So, I'd look



for a Rega RB250 or RB300 (right) — secondhand examples cost next to nothing — and bolt into it a cartridge, such as a Denon DL110 or Rega Elys. You'll need a new arm-board to fit the Rega to your deck, so while the Thorens is being dismantled, you should give it a complete overhaul: readjust its suspension, replace the oil in its main bearing and clean all the mating surfaces.

To optimise the deck's bass, search around for a suitable support for the deck — suspended subchassis turntables tend to be very sensitive about what's underneath their feet. See if your 'junk shop' has any Sound Organisation tables or similar hidden away.



Too laid back

I want to upgrade my Technics *SLP-377A* CD player, which I think may be causing my system to sound unbalanced. As there are so many players between £200 and £350, I would appreciate some advice on which ones to audition.

I would like more openness, a better soundstage, more detail and less hardness and brittleness on vocals. If I try warmer-sounding equipment (I listened to a Technics SUA-800 amp before I bought the Sugden OPT 80) my TDL RTL2s just sound too rich and warm in the bass. Also, vocals seemed to be too laid back, as if right at the back of the soundstage. The Sugden solved this problem and KAR interconnects did give a little warmth to the midrange and treble without losing too much detail.

I have tried a Teac CD3 CD player, which sounded good because it didn't over emphasise the bass — a problem I found with some of the other amps I tried.

S. P. Guest, Rotherham, Yorks.

Compare the Teac to other players at the top end of your budget limit, such as the Kenwood DP7060, Onkyo's DX750, NAD's 514 and the Rotel RCD970BX. Remember, however, that changes to your CD player might also require you to reposition your loudspeakers, to maintain their correct tonal and timing balance. In your case, try moving them closer to, or further from, the rear wall to optimise bass weight, midrange clarity and soundstaging.

What amplification?

I have a Sony CDP312 CD player and a pair of Mordaunt-Short MS10s. Could you please



give me some advice on what amp would suit this combination. I have been looking at various integrated amps, including the Yamaha AY1070 and Musical Fidelity's E10 and E100, along with AV amps like Denon's AVC 2800 and Arcam's Xeta One. I'm open to suggestions of anything you would consider a better buy. I can go up to about £800.

Can you also tell me what these phrases mean: bridged mono and bi-wired. I am a bit new to all this and some of the technical phrases are double Dutch to me. Are there any books on the market that could walk me through the wonderful world of hi-fi?

Simon Fearnley, Hong Kong.

The user-friendly MS10s will work with a budget amplifier or a top-notch model, sounding good with the former and significantly better with the latter. However, despite their accommodating nature, I think you'll find they'll be more rewarding with a dedicated hi-fi amplifier than with an AV model, if you're looking for the best performance with musical material. Some of the most pleasing sounds I've heard emerge from this speaker have been produced by Arcam's Alpha 5+ and Naim's NAIT3, so they would be good choices to audition first.

Bridged mono operation is a facility provided by some power amplifiers, whereby their two stereo channels can be combined to produce one, significantly more powerful mono channel. Obviously, you then need to use another identical bridged amplifier for stereo.

Bi-wiring simply means connecting your speakers to your amplifier with two sets of cables per speaker; both connect to the same terminals at the amplifier, but one cable connects to the treble unit while the other connects to the bass unit at the speaker end.

Bi-amping involves connecting each drive unit to its own amplifier: one stereo power amplifier can drive the left speaker while the other drives the right; or one amplifier can drive the left and right tweeters while the second drives the left and right bass units. It sounds trickier than it is. (Lots of hi-fi terms explained in our new *Glossary*, *p*.99 — *Ed.*)

Try before you buy

I recently upgraded my Philips CD player, replacing it with a Rotel RCD965BX, on the basis of consistent recommendations in Hi-Fi Choice over a long period of time. I was very pleased with the result — the sound from my Creek 4040 amplifier and Celestion 3 speakers was transformed into an altogether sweeter and more

Heystak was made for RCD965BX.



detailed presentation of music. The bass, however, left much to be desired and was less well defined than before.

I bought, on recommendation from another magazine. the 'best-selling amplifier made in the UK', namely an Arcam Alpha 6 Plus. I was unable to audition it with the now discontinued Rotel CD player, but was assured that it would go very well with it. It certainly improved the bass but in other respects there was not the dramatic improvement I expected. It seems, from your comments, that the Alpha partners some equipment well and others not so well. I intend to trade mine in at the earliest opportunity. However, I want to upgrade my speakers first, preferably to some decent floorstanders that will make the most of the qualities of the RCD965 BX.

Could you recommend a short-list of suitable amps and speakers, say £300 to £500 in each case?

K.P. Smith, Mansfield, Notts.

You have, at least, learned one valuable lesson: never buy anything you've not heard demonstrated to your satisfaction. Have you considered taking the amplifier back to the dealer and asking him to exchange it for something that better matches your system?

The RCD965BX was - and still is in many respects — an outstanding machine, but its generosity in the low end did make its performance rather more system dependent than most. It used to work extraordinarily well with the early Pioneer A-400 and Mission 760s, for example. With other components that didn't have the requisite complementary features, however, it could be far less rewarding.

Basically, the RCD965BX needs partnering with a tightsounding amplifier and speakers that provide no excessive lift in the bass. Potentially suitable audition candidates would be the Audiolab 8000A or Cyrus III amplifiers, with speakers such as the Rega ELA or Heybrook Heystak.

Pace and timing

My system currently comprises an Arcam Delta 250 and Black Box 50, Arcam Delta 290 and 290P, Epos ES14s with dedicated stands, Audioquest Quartz, Video 2 and Crystal cables, and a Soundstyle Tristand.

The improvements I'm seeking are in the area of pace and timing with female vocals, classical music (including a great deal of solo piano) and light jazz and blues.

I have listened to the Naim Audio 'one way street', but found that I lost out in the female vocal department. Should I explore the talents of the Epos' 14s with a change of amplifier - perhaps the Exposure 18 and 19? Alternatively, do I bin the speakers and move upmarket in that department, to gain the timing I am missing?

P.C. Jones, Dhahran, Saudi Arabia.



ES14s demand top-quality amps.

As it happens, the ES14s which time beautifully when suitably driven — were designed using Naim NAC32, HiCap and NAP250 amplification, and I've yet to hear them fully exploited by anything less. They're candid, revealing speakers, which demand to be fed by a top-quality source and amplifier combination.

I would investigate amplifiers in the upper echelons of the Naim and Exposure ranges, along with CD players from



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■ Naim or Micromega, before you decide to 'bin' the speakers. Sort out the amplifiers first and, if you decide to hang on to the Arcam CD player, investigate alternative interconnects, as I reckon you'll find those from the Chord Company will convey timing information better.

CD or Cyrus III?

About two years ago I bought the following system: a Cyrus II amp, Marantz CD52SE and Mission 753 speakers. I'm not quite sure where to go from here, and look to you for advice. Should I change my amp to the new Cyrus III with remote?

I like my system, although I still think something is missing, but I don't know what.

My speakers are bi-wired with cable that was supplied by the shop I bought them from. Do you think this is the problem or could it be the CD? I also use the supplied interconnects — do you suggest an upgrade?

I usually listen to pop, rock and some dance.

Jason Byrne, via the Internet

Buying a new CD player is your priority. The CD52SE is a good budget machine, but it's not capable enough to use with speakers such as the 753s, which need a supremely tidy, controlled feed to function as their designer intended. Afterwards, you can think about switching to a Cyrus III, which would be a good move, as it's a more balanced and a bettersounding product than its predecessor. Don't scrimp on the CD player, though; spending up to £1,000 on a player for your system wouldn't be unreasonable.

Start your search by auditioning players at the Micromega Stage 4, Arcam Alpha 8 and Trichord Genesis level.

Tune into Naim

I have a system consisting of a Rotel RCD965LE, Metaxas Ikarus 11 integrated amplifier and Ruark Talisman II speakers. I want to add a good tuner, since I wish to listen to live FM broadcasts.

I'm considering the Audiolab 8000T, but I've also short-listed the Naim NAT3, Rotel RT990 Micromega Tuner and the Rotel Michi RHT-10, which has been recommended to me. These tuners are all within my £500 to £900 price range.

What is your advice relating to future digital cable broadcasting (DBB) in the context of the tuners mentioned above? Carsten Poulsen, Aarhus, Denmark.

My preference is for the Naim NAT03, which I feel best captures the energy and atmosphere of live broadcasts. It's not as feature-laden a device as the Micromega and Audiolab models, which are also fine performers. You might find the latter two preferable if you like to station-hop and can't live without preset tuning. All of these tuners, however, need connecting to a serious antenna to get the best from them.

As far as digital cable broadcasting is concerned, you'll need a DAB receiver to access it, and I don't know of any hi-fi manufacturers currently producing such a device. However, I wouldn't worry unduly about it, because even when it becomes widespread it won't oust FM radio.

Nocturnal radio

I have a specific requirement that, to my knowledge, does not seem to be available, but I hope your magazine resources will be able to help.

Due to the nocturnal broadcasting traits of Radio 3 with reference to jazz transmissions, I have had to resort to using the timer function built into a Sony mini-separates system, to record said programmes. Unfortunately, certain live concerts exceed two hours — the length of the longest compact tape.

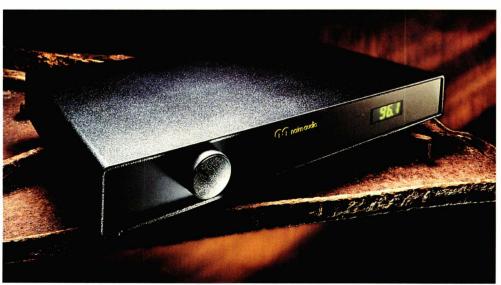
My question is: are there any double-deck tape units that have recording heads in both decks, with a relay command and a timer within, so that I could hook that up to a tuner to record using two C120 tapes? This would provide four hours for a concert broadcast.

A.J. Frost, Cardiff.

There's a simple answer to the four-hours-on-one-tape unattended recording conundrum: it's called a VCR.

Patch your tuner's output to the audio input of your video recorder and set the timer as you would for taping a regular TV show. If your VCR has an LP function, you can squeeze eight-hours of music onto one E240 tape. The other solution, which is hardly as convenient, is to drink loads of coffee and sit up all night.

I would also advise against using 120-minute casseties if you want to take care of your audio deck: they're more prone to shedding and jamming than C60s and C90s.



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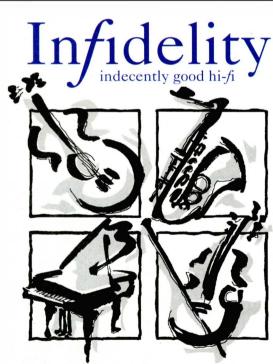
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◄ Good budget sound

I own a system that is composed of a Marantz *CD-50* CD player, Cambridge *Audio P50* amp, Marantz *SD-50* cassette deck, Marantz *ST-50* tuner and Sony speakers, which need to be replaced urgently.

I listen mainly to rock, but also enjoy classical music. I'd like to achieve good soundstaging, deeper bass and clearer treble.

Choosing speakers is always a difficult task, so I'd be grateful if you could give me your valued opinion about the models you consider most advisable for my system. I'm prepared to spend up to £500.

Pedro Silva, Amadora, Portugal.

Don't spend £500 on speakers until you've upgraded the rest of your system — you'll make it sound worse instead of better. Pick a speaker that will exploit the system's strengths rather than reveal its weaknesses. Controlled, deep bass and pristine treble are generally the preserve of more sophisticated CD players and tuners in particular.

Given your tastes, I would suggest you start by listening to speakers such as the Mordaunt-Short MS10i — or MS25i if you prefer a floorstander — the B&W DM601 and the Tannoy 632.

Dropping out

My system includes an Oracle Alexandria, Linn Ittok, Denon 304, Denon 3560 CD player with Stax Dac-talent, NAD 3500 tuner, Denon 44HX cassette player, Tandberg 3018 A preamplifier, Electrocompaniet AW100 DM poweramp, Stax Lambda Sig, SRM T headphones and Celestion SL700SE speakers.

I have a large LP collection, and use my turntable a lot but, as I enjoy purchasing new recordings, my CD collection is growing fast.

As many others have experienced, I 'drop out' of the music while listening to CDs. Is this because my CD player isn't good enough? Is it outdated? Would even cheap, new CD players outperform my combo?

I use a green pen to treat the edge of my CD collection. I find the sound to be less 'stressed' by doing so. Should I continue treating them in this manner, or



From rock to classical music, Tannoy's 632 floorstander suits all.

will I shorten their lives?

One of my speaker's treble unit has a little deformation. Should I replace one or both units, or is such a defect impossible to hear?

Sven-Erik Roed, Oslo, Norway.

I find even the best CD players less involving than vinyl, although Naim's CDS and Micromega's top models are more satisfying than most. I doubt that a modern budget player would better your player in musical terms, but you might

find its sound more cosmetically appealing.

I've gone right off green pens since I first tried to ungreen a disc I'd painted — my CDS doesn't like treated discs. Maybe I went about the cleaning with too much gusto, but the scrubbing required rendered the disc unplayable.

As for your tweeters, play a mono track through each speaker individually, to ascertain whether the deformation is affecting the performance. Naturally, you'll need to listen to each speaker in the same position — don't just use the balance control to swing the signal from one to the other.

As the 700 uses alloy diaphragms, it's probably best to replace the damaged unit. Celestion will tell you whether the tweeters are pair-matched, in which case you'll have to replace both.

Seriously hot speakers

My current system comprises a Rotel 970BX CD Player, Audio Alchemy DIB DAC, Audiolab 8000A amplifier, Audiolab 8000T tuner, and Infinity Kappa 8.1i speakers. I use Audioquest Ruby interconnects and bi-wired Audioquest Type 4 speaker cables.

To upgrade the system, could you suggest a more powerful amp (perhaps the Audiolab C and P combo), or should I go for a more 'refined' CD player. Although the system sounds excellent at low levels, when I turn the volume to anything past ten, it starts sounding less in control of the speakers and the amp gets seriously hot.

Thanasis Katakalos, Sydney, Australia.

I'd be inclined to investigate alternative speakers. It sounds as though they're working your amplifier too hard or making it unstable — the 8000A is usually robust and quite powerful

and shouldn't normally get "seriously" hot.

A different amplifier might solve the problem, but that goes against my philosophical grain: why use a giant amp to drive difficult speakers when you can simply use more efficient or amplifier-friendly speakers?

However, let's upgrade in the proper fashion and sort out the source first, because this, ultimately, decides how well the system will perform. So, if you're an Audiolab fan, why not start by taking a look at the company's new integrated CD player?

Curing harshness

My system consists of a Linn Axis/Akito record deck, Arcam P77 cartridge, Arcam Delta 60 integrated amplifier, NAD 6300 cassette deck, B&W Series 500 speakers, Beyer DT880 headphones, van den Hul MC D 102 Mk 11 interconnects (tape deck) and Kimber Powerkord leads.

My problem is that this system is not pleasant to listen to. The sound is very detailed but harsh and very wearing on the ears. I have come to the conclusion that the Linn *Axis* is the worst offender, so I want to replace it.

My budget would be around £300, added to the trade-in value of the Linn. What deck would you recommend that would be neutral and easy on the ear but still give me the same detail and depth?

G. Rorke, Southport, Merseyside.

Unless the Axis has changed dramatically since I last heard one, your system should not be sounding harsh.

I suspect your cartridge is mistracking, due to wear, misalignment, or insufficient downforce. The cure for any of these ills will be less costly than a turntable upgrade.







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However, if you do decide to go the whole hog, I'd suggest you look at the Pro-ject 6, which should be affordable if you can sell or trade-in your Axis. There are cheaper decks around, but if you're having a change, why not make it one that will provide you with a significant improvement?

The perfect system?

I've spent many thousands of pounds trying to build the perfect, or at least a satisfying, system. I have a Cyrus *III* amp and two pairs of speakers: KEF *Coda* 8 and TDL *RTL2*.

I'm looking for a decent CD player and more agile, dynamic speakers. My budget is around £350 to £400 for the CD player, and £400 to £500 for speakers. I'm using Cable Talk Talk 3 speaker cable and Cable Talk Monitor 2 interconnects.

The CD players and speakers I'm interested in are the Pioneer PD-S703, Marantz CD63SE, Monitor Audio MA303, TDL RTL3 and Mission 753.

I mainly listen to rock music and I like it big, fast, loud, clear and as deep as it comes. Renos Pizanis, Cyprus.

Can I suggest you hold off on the speakers, spend your speaker budget on the CD player, and spend your CD player budget on an amplifier upgrade. That way you'll get more from your money and longer-lasting satisfaction.

The Cyrus III is a fine little amplifier, which becomes an even more attractive proposition when you add a PSX-R power supply to it. The PSX-R brings more punch and panache to the amp's presentation, clarifying the feed to the loudspeakers and revealing more about what the source is doing. And that's why you should be looking at a more sophisticated CD player, something like the Micromega Stage 4, Trichord Genesis or the Orelle CD100SE.

Naim upgrade

I recently heard about the Trichord *Genesis* CD player and, after reading an excellent review and listening to a few others, I decided to get one.

I would now like to upgrade my amp and speakers. I've got a 15-year-old, 50 Watt Hitachi



For the perfect system, match the Cyrus III with Orelle's sophisticated CD100SE.

HA5700 MOSFET amp. Although it's good, it's also very big and doesn't have speaker-plug connections, just bare wires that go into the back.

Can you recommend some amps that are slightly smaller in size, have the right speaker connections and would give even better sound quality, for up to around £600?

My speakers are IMF Super Compact 11, but I'd like you to recommend some floor standing speakers for up to £700. Anton Martin, Worthing, W. Sussex.

So we're after something small in the amp department and tall at the transducer end, are we, sir? Try a slim-line Naim NAIT3 amplifier and the new Naim Intro loudspeakers, which are fine components in their own right and designed to work harmoniously as a team. Or how about the ultra-compact Cyrus III, perhaps, with a pair of Mission 752s? The Audiolab 8000A is another slim-line offering, and it blends well with Monitor Audio's MA14 Gold II loudspeakers.

Now off with you for a demonstration before I turn into John Inman.

Cartridge confusion part II

My system of ten years' vintage comprises a Revolver turntable with Linn Basik tonearm and cartridge, NAD 5420 CD, Kenwood (Trio) KX54 cassette deck, A & R Cambridge A60 amp and Heybrook HB1 speakers.

The time has come when I need to replace the cartridge again. Please could you give me advice on alternatives to the Linn Basik that might improve detail and give a clearer sound, considering my budget is a meagre £50 maximum. At a

future date, with more money, would it be worthwhile spending extra on a cartridge, considering the limitations of the Revolver turntable?

My speaker cables are QED 79 Strand. Are there others that might give me a noticeable sound improvement — again, not too expensive, please.

Finally, can you recommend a record cleaning/care kit? Philip Cundy, West Galilee, Israel.

The obvious cartridge choice here is the Audio Technica AT95E. Revolver used this as the basis for its own cartridge many moons ago. The company selected samples and then superglued the stylus assembly into place to improve the structural integrity. You might like to try that dodge yourself; the cartridge only costs £19, so replacing the whole shebang when the stylus wears isn't too painful. When you want to get into serious money cartridges upgrade to a turntable that's more capable of exploiting them.

I would suggest changing your speaker cables to Cable Talk's Talk 3.1, which, although inexpensive, will provide a worthwhile improvement over your 79 Strand.

As for cleaning records, I recommend playing them! Unless they're truly abused and filthy, the stylus will do a better job than any record-cleaning widget. For the stylus to do that properly, however, it needs to be kept scrupulously clean. I always tickle my needle with Linn's 'green stuff' before playing each album side. This super-fine abrasive paper removes the baked-on crud that camel brushes and fluids don't touch. The striker from a book of safety matches is equally

effective. If you have any really disgusting vinyl, take it to a dealer who has a Keith Monks cleaning machine.

Support your system

My system consists of a DPA transport and DAC, Musical Fidelity *The Pre-amp* and two bridged *Typhoons*, and Linn *Keilidh* speakers. The speaker cable is Nordost *Flatline* twin, and the interconnects are Nordost *Blue Angel*. I also use DPA *The Power* for the transport and DAC, and a four-way mains filter for the amps.

I like to listen to folk, blues and rock music. I would like to upgrade my system but do not know which way to go. I want to keep my CD player and DAC. Should I look at changing my amps (pre or power, or both) or my speakers? I also wonder if the system would benefit from a rack from Mana. My current support is a steel table with glass shelves and spiked feet that I made myself. Garry Rigden, Ashford, Kent.

I support the notion of making lasting improvements that bring long-term benefits, so I'd recommend investing now in Mana tables. These will bring out the best in your present system and any components you change subsequently. Once the system is optimally supported, I'd start auditioning amplifiers: I don't know what your tastes are, but I find the Typhoons lack subtlety. I have no idea what sort of mains filter vou have on the bower ambs but I'd suggest removing it. This is because I don't think mains filters and hi-fi mix, especially not when the hi-fi in question is a power amp that regularly needs to suck large gulps of current from the mains in a hurry. \triangle

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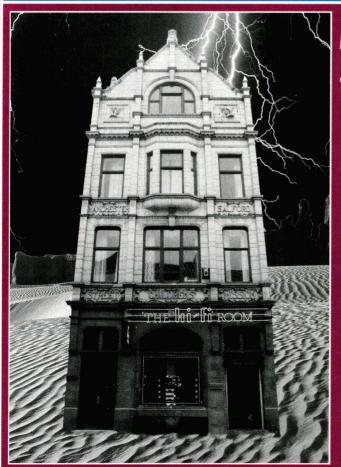
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Separate systems

Systems reviewed Hi-Fi Choice, issue 150 (Rega), 151 (Powerplant), 153 (Richer Sounds), 154 (Micromega) nearly £4,000 — very upmarket.

Easy zero-aggro installation

REGA'S REAL RECORD PLAYER

S erious good looks and coherent cosmetic integrity are just two strong incentives to go for Rega's top-of-the-line record playing system. It's based on the unique ceramic-platter Planar 9, the remote control HAL preamp, two 150W monoblok EXON power amps and the floorstanding XEL speakers. A versatile equipment

> rack keeps everything (bar the turntable) neat and tidy. The package totals

and consistent performance are major plus points. The turntable is outstanding, especially in midband integrity and dynamic range, but would have benefited from Rega's still newer Exact cartridge. The up-front nature of the turn-

table fits in neatly with the more laid back amp/speakers, to give agile, detailed music, with bags of muscle.



POWERPLANT'S MID-PRICE PACKAGE

lucked from the shelves of Brighton's Powerplant dealership, the three basic components of this CD-playing system are all indisputably stylish items in their own right.

The combination of Cyrus's III amp (£500) and Micromega's Stage 4 (£600) does make for a certain cosmetic inconsistency, though, not to mention introducing a pair of handsets that one must juggle.

The hidden bonus here lies in future upgradability, by adding PSX-R power supplies to the Cyrus III.

The sound didn't gel straight away, but feeding the pretty little B&W CDM2 (£400) speakers with

Hitachi SSK-102K bi-wire cable (£7 per metre), and using a Trichord *Pulsewire* interconnect (£150), did marvels for the tonal balance — admittedly, leading to an increase in the total package price.

The end result was a little sparser but a whole lot cleaner, with fine timing, excellent stereo and oodles of detail.

This combination offers not only a taste of the high life, but an open-ended invitation for future enhancements, courtesy of a few waste-free upgrades.



You sure get a lot for your money down at Richer Sounds. £800 buys a pair of floorstanding Gale 4 speakers (£200), Cambridge Audio's CD-4 CD player (£150) and outboard DACMagic 2i digital decoder (£150), plus the distinctive silver-and-gold Axiom amplifier from Alchemist



The CD player is a smooth, warmsounding player, which perks up in presence and bite (and loudness) when the separate decoder is added. The Axiom, too, has a warm rather than analytical sound, with smooth, clean treble and full bass.

By contrast, the Gales are lively and forward, with plenty of detail and attack, as well as a touch of hardness.

Initially auditioned without the (optional) DACMagic converter, the overall sound was lively, sharp and clear. Introducing the converter brought the expected improvement in detail and attack. On the other hand, this tended to make the speakers' hardness more noticeable.

Although the DAC2i brought a worthwhile improvement in the test system, in the context of this package, we actually found the sound more friendly with just the CD-4 on its own. Either way, it's a fine demonstration of the sort of performance true separates can deliver, even at packaged-system prices.

MICROMEGA'S MINIUM MUSIC MASTER

hose who regarded French L CD specialist Micromega as an high-end company will have to think again. This new Minium package has FM tuner, CD player, amp, speakers and remote handset, and costs £1,800. A class CD player, a respectable enough tuner, and a rather fine and solidly-built pair of miniature loudspeakers, are all good points in its favour.

The amp is probably the meters. It's not particularly

powerful, has a lowish input sensitivity, and its protection circuitry seemed rather over-zealous when used with third-party loudspeakers. Power limitations apart, it worked fine in the system context, always sounding as smooth and crisp as freshly ironed silk.

The control software is typically Gallic and inventive, and the system comes on a little like a French version of Arcam.





Christmas



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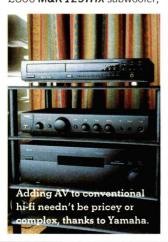
AV systems

AN A/V ODYSSEY

In HFC 159, Reviews Ed Alan Sircom was dispatched to investigate the options available for adding the A/V dimension to a conventional stereo hi-fi system — three times over. Covent Garden dealer Musical Images helped sort through the bits. There were too many strands, all told, to list in detail here, but the highlights went as follows.

The starting point was a typical $\approx £1,000$ hi-fi system: Marantz CD63mkIISE CD player (£350), Arcam Alpha~8 amp (£350) and Mission 733 speakers (£330). The heart of the A/V additions was the £450 Yamaha DSP-E580, while the extra speakers were the Mission 73C (£150) dialogue and a pair of 73S surround speakers (£100), plus some extra bass heft from M&K's baby V-75 (£650), taking the total all-in system price up to £2,379.

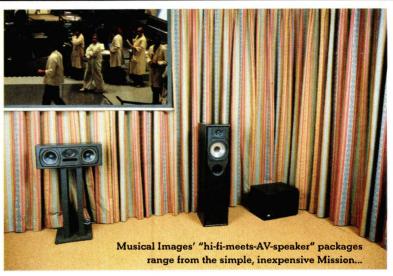
System Two started off with Cyrus digital and analogue electronics and KEF Reference One speakers, costing around £3,500 in stereo guise — somewhat pre-empting the A/V conversion by starting off with the Cyrus AVMaster pre-amp (£698) at the control heart. Going A/V involved extra Cyrus Power/PSX amplification (total £826), KEF 70S surround speakers (£299), and Model 100 dialogue (£359), plus the £800 M&K 125THX subwoofer,

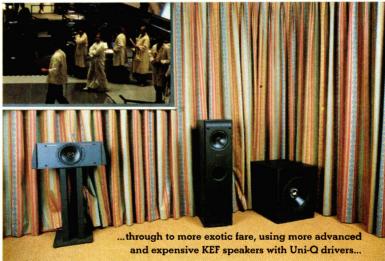


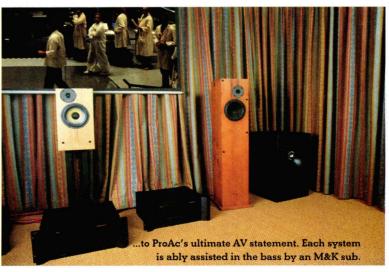
taking the total system price up to a healthy £5,800.

The final Grande Fromage system started off stereophonically with Meridian 508.20 CD player (£1,685) combined with US Sumo Artemis/M-10 pre/power amps (£1,695) and ProAc Response 2.5 speakers (£600), totalling just over£10,000. The decision to opt for the full Dolby Digital AC-3 monte with this system will be understandable to anyone who's heard this all-discrete surround sound format, but it jacks up the A/V contribution substantially here, taking the total system price to a whopping £23,250. To have opted merely for Dolby Pro-Logic would've saved plenty.

Experiencing these different systems in both stereo and surround versions made it clear that the hi-fi buff should not be put off by the idea of adding A/V. Done properly it needn't spoil the stereo music performance at all, and really does add that extra dimension to movies. Remember that it's important to get the voicing right between main and A/V speakers: ideally, stick to one manufacturer throughout. Adding a properly transparent A/V upgrade is likely to cost at least 50-60 per cent of the original system price — but can easily be twice that, depending on how much you spend on subwoofers and/or Dolby Digital AC-3.







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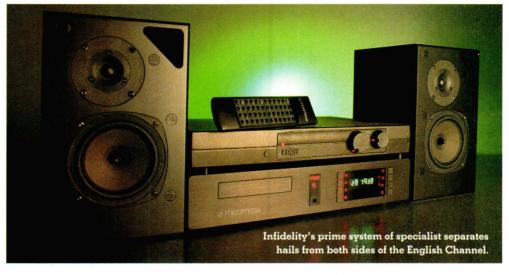
There are endless ways of distributing a £1,000 hi-fi budget. In issue 156, Malcolm Steward tried out three philosophies to see how the different cookies crumbled.

THE PACKAGE

The packaged one-make system approach appeals to those intimidated by the complexities of hi-fi and anxious to ensure full compatibility, while the attractions of matched cosmetics, compactness and full feature remote control are further incentives. Denon's popular 'silver separates' mini systems like the £1,000 D-F10 (excluding speakers) offer all these benefits, and try to add serious sound quality alongside. To a great extent the D-F10 succeeds with an eminently respectable musical performance. It balances well, goes decently loud, and maintains rhythmic integrity well, albeit with some loss of character and dynamic contrasts. Plus you get those useful things like radios, cassette decks and full remote control!

THE SPECIALIST

ealers Infidelity, of Kingston-Upon-Thames, stretched the notional budget by combining a Micromega Stage 4 CD player (£600) with Rega Elex amp (£398) and



bookshelf size \mathbf{Rega} \mathbf{Kyte} (£198) speakers, but the source may be upgraded cost-effectively at a later date.

The system proved deliciously responsive, and the most effective of the three in delivering accurate rhythm and timing. While there might be room for discussion about the cosmetics of its rather lightweight portrayal, there was no question that this system put listeners in touch with the music. It was full of fine, characterful communication, though some ears might find it a little too exuberant.

THE BARGAIN HUNTER

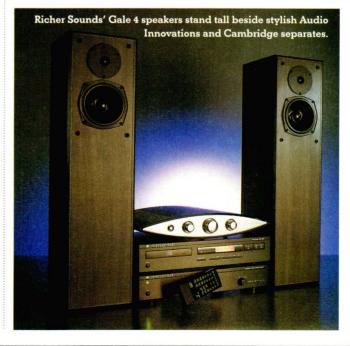
From the Richer Sounds catalogue, this has much in common with the package

examined on page 83, differing only by substituting the £300 Audio Innovations Alto amp for an Alchemist. The £150 Cambridge Audio CD4 drives the £150 DACMagic 2 outboard decoder, while the £200 Gale 4 floorstanding speakers sit at the end of the chain — £800 all told, and no speaker stands required. The sound is seriously refined, with impressive weight and open transparency. Though lucidly detailed, relaxed and easy, the

amp did seem a little too laid back for the more urgent types of rock material, but the whole was harmonious.

Denon's mini does a good job in context, providing the full range of sources in elegantly convenient packaging, but doesn't match the musical insight of the separates packages. The RS collection has a price advantage and a fuller sound, but the Micromega/Rega combo proved the pick of the crop for musical communication.







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The Naturally Neutral Chain

Lifestyle systems

All systems reviewed Hi-Fi Choice, issue 160



UX-1000

The £270 JVC *UX-1000* belongs to the really-decent-really-small camp. Superfluous treats are limited to upper-bassboost, and it also does without a tape unit.

Considering the tiny size, small lengths of speaker wire and minimal single-driver speakers, the *UX-1000* sings its little heart out. Although there's no bass to speak of, the system is suffused with an infectious funkiness.

Not only is the JVC *UX-1000* a stylish performer, but it's one that sounds as understated as it looks — which can't be bad. *JVC* (20181) 450 3282

DENON

D-F07

Denon has defined the top-end mini/lifestyle system market for some years now. The new £650 *D-F07* system is split into a separate 45W amplifier, CD player, RDS tuner, tape and timer, all rolled into four midi-sized units, with free choice of speakers.

The *D-F07* put in a very fair showing sonically, though the lack of separate power supplies takes its toll in the area of dynamic shading. However, the system is crisp, clean and fast, without being aggressive, making it a perfect plug-and-play option. *Denon* **2** (01753) 888447



TECHNICS

SC-CA01

Technics £650 SC-CA01 is a group of very tiny separate components: CD player, tuner, a radical digital 45W amplifier, cassette deck and speakers, all looking like scaled-down full-size Technics gear.

This is one tidy-sounding system, which doesn't try to push a punchy, up-beat interpretation of the music at you.

For us hi-fi types, this is a perfect second system. It's separate and minimal enough not to upset even the most delicate audiophile sensibilities, and it sounds damn fine to boot.

Technics 20 (0990) 357357

TEAC

H500

The £800 Teac *H500* system comprises 50W amp, RDS tuner, cassette deck and CD player. There's something very American in the big-knob styling and big, warm, dark and expansive sound, which is slightly on the blowsy side. But it makes good sense for those seeking decent classical music from a onemake system, with a passable attempt at dynamic shading.

Teac's excellent first attempt must rank as one of the first onemake systems that doesn't cost a king's ransom.

Teac 2 (01923) 819630



BANG & OLUFSEN

BEOSOUND 9000

B&O's £4,600 Beosound 9000 comprises a six-disc CD player, a 60-preset AM/FM



tuner, a timer and a pair of floorstanding active loudspeakers. The discs are on display beneath a powered glass door, and the playing mechanism moves from disc to disc. It takes a fair time to

> set up, but once going, it's as easy to use as it is stunning looking. It doesn't compete with wellchosen separates at the same price, but the sound is refined. the tonal balance natural, and the active speakers sound weighty without being overblown or ill-defined. Bang & Olufsen 🕿 (01734) 692288

BOSE

LIFESTYLE 20

The £3,000 Bose *Lifestyle* 20 is filled to the brim with sophisticated features. The 'Virtually Invisible' sat/ sub

speaker system puts the power amps in the subwoofer, and the satellites are miniscule. The system controller combines an AM/FM tuner with a six-disc CD multiplayer, and there's much more besides. The sound is massive and the sense of scale is excellent and very lifelike — up to a point. There's a distinct lack of upper bass, and at low levels the bass booms quite a bit,

due to a zealous 'automatic loudness contour'.

Ultimately, Bose's *Lifestyle* 20 system will prove popular because of its minute size and huge sound.

Bose 🕿 (01795) 475341



Sweeps The Board At This Years Awards!

B&W has had a fantastic year for awards. Right now the mantelpiece at B&W's factory is groaning under the weight of four coveted trophies. But this consistent success is not down to luck. Instead it is the fruit of B&W's continued investment in top-quality acoustic performance and aesthetic design.

British Hi-Fi Awards - B&W P4

t the British Hi-Fi Awards in April 1996, B&W's £600 floorstander, the P4, took the prize for 'Hi-Fi Loudspeaker Above £500'. It had won not just a trophy but the hearts and minds of the Great British Public, for it was they who voted the P4 winner. Hi-Fi Choice magazine, reporting the Awards in its June 1996 edition, summed up the P4 thus: "A compact loudspeaker capable of considerable loudness and bass extension... should work in a variety of systems with the utmost ease."



Home Entertainment Awards - B&W CC3

t the 1996 Home Entertainment Awards, as reported in the magazine's November 1996 edition, the CC3 emerged dominant in the **Budget Centre** Speaker category. "The CC3 delivers a crisp and precisely articulated sound, which ensures that dialogue is highly intelligible, even when volume is low, or when music and special effects are vying for the listener's attention... It represents the kind of value that others struggle -

and usually fail - to achieve."





EISA European Audio Awards - B&W DM302.

n September 1996, B&W's £130 bookshelf baby, the DM302, was announced the darling of the European Imaging & Sound Association, EISA, which

> Of The Year '96-'97. In the Award citation, reported in the October '96 edition of Hi-Fi Choice, the highly-respected panel of judges did not stint in its praise, lauding the speaker with phrases like: "...Gives sensational performance at an affordable price... tonal balance almost perfect... extraordinary dynamic capabilities... proves it is possible to match a low price with a high-tech approach."

What Hi-Fi? Awards - B&W DM601

t this year's What Hi-Fi? Awards the winning 'Best Buy' loudspeaker was none other than B&W's Kevlar-toting DM601 bookshelf model. "Though strictly average in size, the DM601s sound huge," said the judges. "These speakers play music in a big, majestic fashion."



The European Imaging and Sound Association (EISA) Awards are made annually, at a meeting which brings together the Editors of the leading European audio magazines from fifteen countries. Products are shortlisted, votes are cast and winners are announced in a dozen different component categories, encompassing hi-fi, general audio and home cinema products.

European Compact System of the Year

UX-1000

£270

rom the people who originally brought us the micro-system, let's give a big hand to the ultra-micro — just the thing for our increasingly cluttered environments. The main unit (containing three-band radio, CD player and clock/timer), stands only 16cm high and is roughly the width of a CD case.

Power output (14W) and loudness capabilities are modest, but clever design using a single dome/cone high excursion drive unit for each channel, plus JVC's proprietary Hyper Bass equalisation technology, combine to give surprisingly accomplished sound quality. JVC 🕿 (0181) 450 3282

European Loudspeaker of the Year

£130

Reviewed Hi-Fi Choice, issue 160

DM302

Choice Best Buy, B&W's A Choice Best Duy, Davy 3 first beer-budget speaker for some years makes remarkably clever use of plastic moulding techniques. A 'Prism' rear panel consists of a series of wedges seen from the inside, and these serve to diffract and disperse (rather than directly reflect) the sound energy from the back of the main driver. A moulded front panel promotes wide lateral sound distribution.

The reduction in box coloration, combined with an exceptionally well controlled tonal balance, results in remarkably good sound quality for such a modestly priced loudspeaker. B&W 🕿 (01903) 750750

Reviewed Hi-Fi Choice, issue 156



JVC UX-1000: a pocketful of ultra-micro Compact System.

European High End Audio of the Year

KAV-3001

£2,490

hen one of America's most famous high-end names decides to produce its first-ever integrated amplifier, the results are likely to be quite spectacular. The £2,490 KAV-300i might be pricey by European hifi standards, but it's considerably less expensive than typical high-end pre/power combos.

There are line level inputs only, but full digital remote control allows knobs to be replaced by a handful of pushbuttons, while the high-regulation 400VA transformer and discrete complementary circuitry delivers a massive 150Wpc into eight Ohms.

Absolute Sounds 2 (0181) 947 5047 Reviewed Hi-Fi Choice, issue 160

European Amplifier of the Year

AUDIOLAR 8000S

£700

uch more than merely a remote-control version of the evergreen 8000A, this £700 integrated amplifier is much more a device for audiophiles. There are no tone controls now, and the S incorporates technology introduced on the upmarket 8000Q preamplifier.

Technically it's a wide bandwidth design, conservatively rated at 60 Watts per channel, with low distortion and microprocessor-controlled architecture to facilitate future upgrading to pre- or power amp configurations. Sonically this is a smooth, refined and neutral performer, with plenty of fine detailing, though it lacks a little passion and exuberance. Reviewed Hi-Fi Choice, issue 154 Audiolah 🕿 (01480) 415600 Factshack 1740

European CD Player of the Year

CD-63MKII KI-S £500

he 'KI-S' bit stands for Ken ■ Ishiwata Signature, with KI being a Japanese audiophile of some renown based at Marantz's European headquarters. The trick here is to take an already respected mass-market player (the CD-63II) and add numerous (33) and quite extensive production modifications, maximising the sound quality for the hi-fi enthusiast while keeping the price affordable.

A heavier, beefed-up chassis, toroidal transformer, extensive copper plating, and substantially improved analogue output stages, all contribute to a level of sonic refinement and delicacy that deserve comparison with the real 'high end'. Marantz 2 (01753) 680868 Reviewed Hi-Fi Choice, issue 153

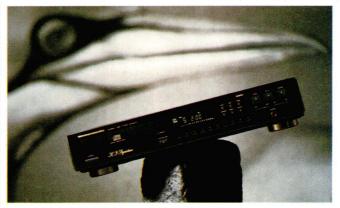
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European Audio Recorder of the Year

PDR-05

£1,300

he first truly affordable CD recorder, the £1,300



Marantz's CD-63II KI Signature took EISA's CD player honours.

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Kenwood's KR-V990D takes one-box AV amp technology to the limit.

PDR-05 allows you to make up vour own 60-minute CDs, which can be replayed on the same machine or any other CD player.

This is a genuinely innovative product that could well represent the future of home recording; besides this EISA Award the PDR-05 also picked up the Editor's Award for Outstanding Hi-Fi Product of the Year in the British Hi-Fi Awards. It's impressively flexible in allowing direct digital recording from a variety of sources (eg CD, satellite, DAT), as well as handling any analogue sources - including live music!

Pioneer 2 (01753) 789789 Reviewed Hi-Fi Choice, issue 148

European Advanced Audio System of the Year

PA3-I/II

£1,000

real tour de force of industritower system stands tall and metallic, yet contains the components needed to fill a good size room with sound.

The sources include a sevendisc CD changer, an autoreverse cassette deck and a 59preset AM/FM RDS radio. A claimed 160 RMS watts of power drive a subwoofer built into the column, and the clever bit — the Space Fidelity speaker system — which generates a remarkably spacious soundstage from a horizontal tube with drivers mounted into each end. The less-expensive PA3-I version is finished in silver and black, while the PA3-II is in silver and beech with 'wings'. Grundig 2 (01788) 577155 Reviewed Home Entertainment, issue 36

European Home Theatre Display of the Year

KL-37W1

£3,800

Tidescreen 16x9 shape TVs may be the future of television, but in the here and now the vast majority of our programming is 4x3 in shape, and a 4x3-shaped image tends to look pitifully small if shown undistorted on most widescreen TVs. Not so this large 37inch Sony rear-projector, which is marvellous in full-width movie mode, but equally satisfactory for watching The Big Match with a decent sense of scale.

It uses the latest LCD technology as an alternative to traditional colour picture tubes, which gives bags of brightness from a unit which is remarkably shallow, minimising bulk when

placed close to a wall. Sony 🕿 (0181) 784 1144 Reviewed Home Entertainment issue 38

European Home Theatre Amplifier of the Year

KENWOOD

KR-V990D

£1,300

olby's new all-discrete multi-channel AC-3 surround sound system could be the best news yet for home cinema fans. There's no question it's a lot better than mere Pro-Logic with movies, and only software availability stands between it and world domination.

The KR-V990D is one of the first to handle AC-3, alongside a DSP-enhanced Pro-Logic alternative. It offers a cornucopia of inputs and outputs, some 400W of total power, a 30-pre-set AM/FM RDS tuner, and neat onscreen graphic display which makes everything easy to set up. Kenwood 2 (01923) 816444 Reviewed Home Entertainment, issue 38

European Home Theatre Decoder of the Year

SH-AV500

£280

n AV decoder or processor n AV decoder of p. 32 such as this Technics SH-AV500 is the best way for the hifi enthusiast to add home cinema capabilities to a system without risking upsetting the existing stereophonic apple cart. The SH-AV500 supplies 50W for the centre-front dialogue channel, 2x16W for the surround speakers, and passes the



Mission's M-Time is one sophisticated telly stand.

main left/right channels over to your existing hi-fi amp.

Its major advantages are that it's relatively inexpensive, and uncommonly transparent and refined, with subtle, smooth and well balanced sound

Technics 🕿 (0990) 357357 Reviewed Hi-Fi Choice, issue 153

European Home Theatre System of the Year

MISSION

M-TIME

£2,500

onceptually one of the most elegant and innovative products of the year, Mission's M-Time acknowledges you can't stack your telly on top of you hifi, and provides instead a hi-fi system built into a substantial TV plinth. This incorporates a massive 600W of multi-channel amplification, a plethora of inputs and outputs, twin activedrive subwoofers, an FM/AM tuner and a dialogue speaker.

Set-up is particularly straightforward, with channel balancing undertaken automatically at the press of a button, using a supplied microphone. The bottom end is even and tight, the midband open and clear and the whole thing has a relaxed and enveloping richness. Mission 🕿 (01480) 451777

Reviewed Hi-Fi Choice, issue 153

European Home Theatre Loudspeaker of the Year

60S/80C/30B

£1,026

This KEF home cinema speaker combination also carried off this year's British Hi-Fi Award for AV systems over £750, and other plaudits too. The 60S carries out front left/right and surround duties, the slimmer 80C supplies the dialogue, and the 30B provides bass for the whole system.

All the satellite speakers have magnetic shielding and use KEF's Uni-Q technology. The subwoofer has built-in power amplification, and the whole caboodle produces most convincing home cinema. KEF 🕿 (01622) 672261

Reviewed Hi-Fi Choice, issue 155

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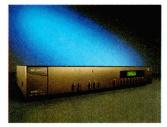
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BRITISH HI-FI AWARDS 1996

The British Hi-Fi Awards are unique, because the winning products are decided on the basis of votes cast by hi-fi buyers all over Britain. Voting forms were available in selected magazines including Hi-Fi Choice, as well as in numerous hi-fi dealerships. There were 21 categories in total.



Naim Audio CD3.



Arcam Alpha 5 Plus.



Audiolab 8000Q.



Denon AVR-900.

CD player (under £250)

DENON DCD-825

£240

Combining Japanese build with UK-sound tailoring, the DCD-825 was Recommended way back in December '94. It's been a firm favourite in the budget marketplace ever since, thanks to its solid, beefy sound, with plenty of zest and vivacity. Denon (01753) 888447

Reviewed Hi-Fi Choice, issue 137

Factsback 1531

CD player (over £250)

NAIM

AUDIO CD3 £977

Recommended in issue 155, Naim's £977 CD3 has an alarming ability to outperform much more expensive alternatives. CD3 puts its energies into capturing the essence of the music rather than titivating the sound.

Naim (01722) 332266

Reviewed Hi-Fi Choice, issue 155

Factsback 1765

Tuner (under £250)

ARCAM

ALPHA 5 PLUS £220

This tuner matches Arcam's other Alpha components very well, but also makes sense as a standalone device. Placing audio quality ahead of reception capabilities, the Alpha 5 delivers a zestful musical experience.

Arcam

© (01223) 440964

Reviewed Hi-Fi Choice, issue 142

Factshack 1254

Tuner (over £250)

AUDIOLAB

T0008

JUU I £

A Best Buy in issue 142, in spite of a substantial £800 price-tag, this fine tuner excels in every respect. The 8000T boasts fine radio reception (even on AM bands), innovative ergonomics and superior sound quality. Audiolab № (01480) 52521

Reviewed Hi-Fi Choice, issue 142

Factshack 1254

Cassette Deck (under £250)

DENON

DRS-640

A storming Choice Best Buy back in issue 140, this deck eschews gimmicky features in favour of simplicity and robust engineering, which should prolong its active life. A drawer-loading mechanism gives an attractively slimline appearance, and the sound proved very smooth and satisfactory.

Denon (01753) 888447

Reviewed Hi-Fi Choice, issue 140

Factsback 1591

Cassette Deck (over £250)

PIONEER

D-05

£900

£200

AT (digital audio tape) might not have made any massmarket impact, but it remains an important niche among professionals and serious enthusiasts. This £900 *D-05* is the least

expensive of three Pioneer DATs, which all offer 96kHz high-rate sampling for the ultimate homedigital recording quality. Pioneer 20 (01753) 789789

Reviewed Hi-Fi Choice, issue 152

Integrated amp (under £350)

MUSICAL FIDELITY

E10

£300

The £300 E10 is a minimalist design, which retains vinyldisc-playing capabilities. This amp has the sort of soft, warm sound that is more commonly associated with valve designs.

Musical Fidelity (181) 900 2866

Reviewed Hi-Fi Choice, issue 154

Factsback 1746

Integrated amp (over £350)

CYRUS

II

£500

This beautifully styled 'half-width' amp has full remote control, plenty of power, and amplefacilities, including a vinyl disc input. The Cyrus *III*'s sound quality is naturally balanced and vigorous, offering subtle detailing for the price.

Cyrus **2** (01480) 451777 Reviewed Hi-Fi Choice, issue 140 Factsback 1585

Pre-/power amp

AUDIOLAB

8000Q/8000M £2,700

A udiolab's advanced remote control 8000Q preamplifier

(£1,100), combined with two 8000M (£800 each) monoblok poweramps, offers leading-edge technology with capacitor-less signal paths and 150 Watts of power. The commanding sound has an authoritative grip, which creates solid, focused and articulate images.

Audiolab ☎ (01480) 52521 Reviewed Hi-Fi Choice, issue 145 Factsback 1301

AV amp (under £350)

DENON

AVR-900

£350

This budget-level multi-channel Dolby Pro-Logic receiver has full remote control and a built-in 40-preset AM/FM tuner. The AVR-900 supplies a beefy 60 Watts of power for each of the front three channels, plus an additional two times 15 Watts for the surrounds.

Denon **☎** (01753) 888447 *Pending review*

AV amp (over £350)

ARCAM

XETA ONE

£1,000

The only British-built integrated AV amp, the Xeta One looks more discreet than most of the breed, thanks to its use of the TV screen for display and set-up. Audiophile-grade power amps for the three front channels (from the 290P) ensure you can have your multi-channel Dolby Pro-Logic movie sound, without compromising serious hi-fi stereo performance. Arcam 2 (01223) 440964

Reviewed Home Entertainment, issue 24











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BRITISH HI-FI AWARDS 1996



Celestion Style.

AV speaker system (under £750)

CELESTION

STYLE

£700

his multi-speaker surround sound package uses lots of plastic mouldings to create strikingly curvilinear shapes, which not only look the business, but also perform the useful function of 'de-focusing' internal standing waves. The four models involved include the CSW/II powered subwoofer; the MP1 for main left/right channels; Little 1s for surround duties; and the CSC for dialogue. Celestion 2 (01473) 322222 Pending review

AV speaker system (over £750)

60S, 80C, 30B

£827

he neat and discreet 60S features a Uni-Q coaxial driver and a built-in mounting bracket. Its obvious lack of bass reproduction is supplied instead by the cuboid 30B powered subwoofer. Dialogue is reproduced by the 80C, which is another Uni-Q device, in a horizontal enclosure designed to sit above or below the screen. KEF 🕿 (01622) 672261

30B reviewed in Hi-Fi Choice, issue 154

Subwoofer

STORM

£695

REL prefers to describe its speakers as sub-bass units. Their ability to supply genuine deep grunt, without muddying everything up with midbass boom, has broken Britain's traditional reluctance to take such devices seriously. The Storm might not be the prettiest sub around, but



KEF 60S, 80C, 30B.

it's packed with solid engineering and deep, deep bass. REL 2 (0181) 207 5050

Reviewed Home Entertainment, issue 26

Hi-fi speaker (under £200)

KEF

CODA 7

£120

assive sales success greeted the launch of this budget speaker. The Coda 7 is larger and bassier than some of its rivals, and features an attractive (and functional) moulded 'softlook' front panel, which snuggles around the drivers and port in a most attractive way. The sound, too, is very appealing, with a slight forwardness that makes detail open and explicit. KEF 🕿 (01622) 672261 Reviewed Hi-Fi Choice, issues 145 and 156

Hi-fi speaker (£201 to £500)

MISSION

Factsback 1783

733

£330

his is one of the best-looking budget floorstanders around. The 733 doesn't use all of its generous box volume, instead behaving like a large bookshelf speaker, with an integral stand that's more stable than most. Our original review found the balance beautifully judged, but a revisit found the treble a little too dull. Mission 2 (01480) 451777 Reviewed Hi-Fi Choice, issues 139 and Factsback 1786

Hi-fi speaker (over £500)

B&W

£675

he smallest and least expensive in B&W's luxury floor-



REL Storm.

standing P-series range, the P4 is attractively compact and finished in a selection of realwood veneers. High-tech drivers include a Kevlar-coned main unit (port loaded) and a 26mm metal dome. The P4 also has an internal deflector panel, which directs internal reflections down into the wool absorbent inside the enclosure

B&W 🕿 (01903) 750750 Reviewed Hi-Fi Choice, issue 156

Complete system (under £1,000)

TX700

£500

kai's TX700 was not just a Kal's IX/OU was not just a feature-stuffed mini system of the stereophonic persuasion; it included Dolby Pro-Logic surround sound for cosy evenings in at the movies. The stereo sound was basically clean and uncluttered from CD, tape or tuner, and the surround sound package was one of the sharpest around at the price, with impressively punchy surround effects. Akai 🕿 (0181) 897 6388

Reviewed Home Entertainment, issue 32 NB: THIS SYSTEM HAS BEEN DISCONTINUED AND HAS BEEN REPLACED BY THE TX710, £499.99

Complete system (over £1,000)

OHAD

77 SYSTEM

£1,944

uad's most recent system uses computer communications techniques to link up signals, controls and power along Quadlink bus lines. However, what's even more impressive is the twoway menu-driven QuadRemote, which is, like the system itself, fully upgradeable and futureproofed. Matching box loudspeakers were designed in



Pioneer PDR-05.

association with Spendor, ensuring the whole £1,944 system exudes British class from stem to stern

Quad 22 (01480) 433777 Reviewed: 77 amp Hi-Fi Choice, issue 139; 77 CD Hi-Fi Choice, issue 155

Hi-fi accessory

ATACAMA

SE24

o get decent performance I from a pair of budget miniature speakers, it's essential to get a good-quality pair of speakers stands. You can better the SE24 by paying more money, but at £70 this market leader does most things very capably indeed. The SE24 is properly engineered and very sensibly designed, to maximise performance for minimum outlay, making an ideal partner for most modest systems.

Atacama 2 (01455) 283251 Reviewed Hi-Fi Choice, issue 140 Factsback 1373

Editor's award for **Outstanding Hi-Fi** Product of the Year

PIONEER

PDR-05

£1,300

he first truly affordable CD recorder, the *PDR-05* lets you make up your own 60-minute CDs, which can be replayed on any CD player. This genuinely innovative product could well represent the future of home recording. It's impressively flexible, allowing direct-digital recording from a variety of sources, as well as from analogue material. Besides this Editor's Award, the PDR-05 also picked up an EISA Award this year.

Pioneer 2 (01753) 789500 Reviewed Hi-Fi Choice, issue 148



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Baffled by hi-fi jargon? Confused by technical terms? Fear not: Paul Messenger has the answers to your lexicographical questing, in the all-new Choice glossary.

ACTIVE: Loudspeaker systems that contain, or partner, dedicated electronics power amplification plus electronic crossovers and equalisers.

AFC: Automatic Frequency Control. A feature found in audio and TV/video tuners to ease station tuning and stability.

ALC: Automatic Level Control. Used in audio recorder circuitry to avoid unwanted overload, usually by sacrificing much of the available dynamic range.

AM: Amplitude Modulation. This is a broadcasting technique used for medium- and long-wave radio transmissions, and for television pictures.

AMP: 1) Ampere. A unit that measures the amount of electrical current flowing. 2) Diminutive of amplifier

AMPLITUDE: Size or magnitude, hence loudness or level.

ANALOGUE: Signal-modelling technique using a directly analogous and continuously varying medium.

AV or A/V: Audio Visual, Software/programming in which audio and visual content is of similar importance.

AUTO REVERSE: Audio cassette tape transport, which changes direction at end-of-side. **AZIMUTH:** Alignment of (audio cassette) tape-head gap with respect to tape path; inter-deck variations compromise highfrequency performance.

BALANCE: 1) The relative loudness of the left and right channels of a stereo system. 2) The relative loudness of different parts of the audio spectrum (for example, bass and treble) with respect to each other

BANDWIDTH: The range of frequencies with defined upper and lower limits over which a system operates

BASS: The lower part of the audible frequency range.

BIAS: 1) Lateral force applied to tonearms to assist tracking.

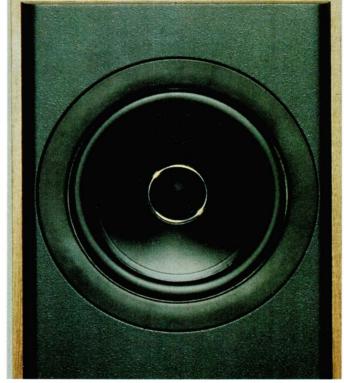
2) Electromagnetic preconditioning of audio tape recording; some cassette decks provide adjustable bias to 'fine tune' tape and machine co-performance.

CASSETTE: Convenient system of housing, protecting and using magnetic tape in a plastic case

CD: see Compact Disc

CD-R: Relatively new, pricey, but rapidly growing recordable-CD system: discs record once only; particularly useful for personalised compilations.

CD-ROM: High-capacity optical discs based on CDs but configured as flexible computer



A coaxial KEF drive unit featuring a concentric treble unit.

read-only software; many applications including some AV potential.

CLIPPING: The consequences of overdriving an electrical circuit, resulting in waveform distortion and loss of control; especially common in power amplifiers.

COAXIAL: Made symmetrical about a common core — for example, shielded aerial cable or loudspeaker drive units

COLORATION: A general term used to describe the audible effects of a whole range of different distortions in various hi-fi components, but especially record decks and loudspeakers.

COMPACT CASSETTE: World standard for consumer tape recording/playback. Originated in the '60s and still going strong(ish).

COMPACT DISC (CD): World standard for laser-read digital-stereo music discs.

COMPATIBILITY: From the basic ability of different items of equipment to work together, to the subtleties of their interaction and optimisation of same

CONVERTER: DAC, digital-to-analogue

CROSSOVER: More precisely described as a dividing network, the electrical circuitry inside a loudspeaker that apportions the drive signal to the individual drive units.

DAC: Digital-to-analogue converter. This is used to change digital-audio code to analogue, prior to amplification.

DAT: Digital Audio Tape. A digital cassette tape format that uses CD-type signals and is incompatible with compact cassettes. Used by the music business, but rare in the consumer marketplace.

DCC: Digital Compact Cassette. A medium launched in the early Nineties to little effect. **DECIBEL (dB):** A logarithmic unit used to express relative loudness.

DIGITAL: Digital audio uses a variety of approaches to represent the essentially analogue music signal in digital code, for storage and/or transmission — for example, CD. DAT. NICAM stereo. MD. Dolby Digital. DIN: German standards body, responsible for a popular range of standard plug/socket

DISTORTION: Literally any deviation from the original, though often specified to particular mechanisms. Hence, non linearities.

specifications widely used in Europe.

DITHER: Low-level noise added when digitally encoding a signal to randomise quanti-

DOLBY B: Original domestic noise-reduction system for audio cassettes, now ubiquitous, **DOLBY C:** More extreme but less popular extension of Dolby B.

DOLBY DIGITAL (aka AC-3): Multichannel surround sound system for movie soundtracks. To date, software is only on imported laser discs

DOLBY S: Complex 'smart' noise-reduction system, which should help the compact cassette survive beyond the millennium.

DOLBY HX: Record-only system that increases high-frequency headroom, especially with cheaper Type-1 tapes.

DOLBY PRO-LOGIC: Technique that extracts additional centre-front (dialogue) and surround channels from stereo movie soundtracks, for home cinema reproduction. Used almost universally on movies.

DRIVE UNIT/DRIVER: The sources of acoustic output in a loudspeaker; includes woofers, tweeters and so on.

DUB: Copy — for example, on tape. DVD: Digital Video Disc. A nascent highdensity optical disc format intended to squeeze complete movies onto compactsize discs, with potential for better-than-CD sound-only applications. Still to be launched (and it's taking a time).

DYNAMIC RANGE: The ratio (dBs) between the loudest and softest sounds a system or component can handle.

ELECTROSTATIC: A principle employed in some exotic loudspeaker and headphone transducers.

FILTER: An electrical circuit used to limit the bandwidth of a signal.

FM: Frequency Modulation. A widely used method of encoding signals for transmission or recording

FREQUENCY RANGE/SPECTRUM: This can refer to any spread of frequencies, but most commonly the audio band of human hearing, from 20 cycles per second (20Hz) in the extreme bass to 20,000 cycles per second (20kHz) in the highest treble.

FREQUENCY RESPONSE: The variation in output across a specified range of different

GAIN: The amplification ratio of electrical

HARMONIC: Harmonics are the whole number multiples of a base frequency called a fundamental

HARMONIC DISTORTION (THD): The addition of unwanted harmonics to a signal. HF: High frequency, such as treble.



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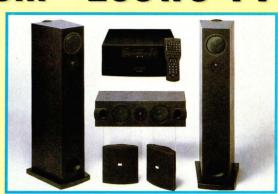
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HI-FI STEREO: Name specifically given to stereo FM soundtrack system used on upmarket domestic VCRs.

Hz (HERTZ): Unit of frequency of vibration, 1Hz equals one cycle per second.

IMPEDANCE: Measure of the electrical resistance (and reactance) of a component's inputs and outputs.

INTERMODULATION (IMD): A form of distortion whereby a high and a low frequency interact to produce sum and difference signals that are not harmonically related to either

JACK: Connector standard used for headphones and microphones; Walkmen begat

JITTER: Perturbations in the timing clock used to reconstitute an analogue signal from digital data.

kHz (KILOHERTZ): 1,000Hz or vibrations per second (1kHz actually corresponds to a tone nearly two octaves above middle C).

LED: Light-emitting diode, usually a red indicator bulb

LF: Low frequency, such as bass LINEAR: A linear device that produces an output that exactly mirrors the input over the required operating range, and so is dis-

LONG WAVE (LW): Low-quality AM radio band, loved by housewives, old dears and cricket fans

'LOUDNESS': A switchable equalisation sometimes fitted to amplifiers, which boosts low and high frequencies. Intended for low-level listening but scorned by enthusiasts.

MD: see Mini Disc.

MINI DISC: Sony-led compressed-digital audio record/replay format on tiny optical discs. Happening in Japan but not much UK activity yet.

MEDIUM WAVE (MW): Low-quality AM radio band loved by sports fans.

MIDBAND, MIDRANGE: The middle range of audio frequencies, where the ear is most sensitive

MODULATION: In whatever medium, the variations or coding that describe the programme signal.

MOL: Maximum operating level, of audio tape, usually referred to five per cent midband distortion.

MONITOR: High-quality loudspeaker. MOVING COIL: A transducer system, which changes mechanical energy into electrical energy or vice versa; used in highquality pickup cartridges and in conventional loudspeaker drive units.

MOVING MAGNET: Inverting the moving coil technique, a transducer system whereby a magnet (or induced magnet) moves within a (relatively) static coil. Widely used in low-cost pickup cartridges.

MULTIPLEX FILTER: Device fitted to some cassette decks to avoid interference from stereo pilot tones when recording from stereo FM radio.

NICAM: Acronym for digital-stereo-soundwith-TV system, currently widely available in UK terrestrial TV broadcasts.

NOISE: Random, unwanted low-level signals

OCTAVE: Span of frequency or pitch that represents a doubling or halving of frequency. **OHM** (Ω): Unit of electrical impedance or resistance



Get plugged in with a phono.

PHONO: The most commonly used plug/ socket system for audio signals: also abbreviation for record deck.

PICKUP (CARTRIDGE): Device with cantilever and stylus at the end of a recordnlaving tone arm

PORT: In reflex-loaded loudspeakers, the opening that is 'tuned' to the box size and main driver characteristics, to improve output at low frequencies.

POWER AMPLIFIER: The final stage of an amplifier, which provides the urge to drive the loudspeakers.

PREAMPLIFIER: The first part of an amplifier, which accepts, switches and routes the signals from and to other components, applying any equalisation and adjusting volume prior to feeding the power amplifier(s).

RF: Radio Frequencies. Used for the transmission of radio signals. Sometimes cited as a cause of distortion within audio kit.

SENSITIVITY: 1) In loudspeakers, the amount of output (loudness) for a given electrical input (usually one Watt) 2) The electrical signal input required by an amplifier or tape recorder to deliver full power output or recording level.

SCART: 21-pin Euroconnector standard widely used for audio/visual applications, especially the connection of television to peripheral devices (aka Peritel)

SEPARATION: The separateness of the left and right channels of a stereo audio system. SIGNAL-TO-NOISE, S/N: The difference between the maximum level of a signal and the background noise left when the signal is removed

STEREO: Literally 'solid' — a system that uses two loudspeakers (or a pair of headphones) to create solid, spatial sonic images. STYLUS: Carefully shaped piece of diamond that rides the extracts information from a vinyl record's groove.

SUBSONIC: Below the audible-frequency range — for instance, below 20Hz.

SURROUND SOUND: Systems that go beyond stereo in attempting to envelope the listener in sound from all around (see Dolbys Pro-Logic/Digital AC-3).

TREBLE: The upper part of the audible frequency range.

TWEETER: Small loudspeaker drive unit used for higher-frequency (treble) sounds. **TYPE I:** Basic ferric audio cassette tape.

TYPE II: Premium chrome or superferric audio cassette tape.

TYPE IV: Upmarket metal-particle audio cassette tape.

ш

ULTRASONIC: Frequencies above the limit of human audibility — for instance, 20kHz. UNIT: Loudspeaker drive unit.



The valve or vacuum tube.

VALVE: Early thermionic electronic device, still highly regarded by many enthusiasts. **VCR:** Video cassette recorder or video recorder; sometimes VTR (video tape recorder).

VOLT: Unit of electrical potential difference; a varying voltage is used to 'model' audio signals in transducers and electronic components.

WATT: Unit of electrical power (the product of voltage and current).

WEIGHTING: Equalisation applied in measurement techniques to improve relevance. WOOFER: Loudspeaker drive unit that handles lower-frequency (bass) sounds.

WOW & FLUTTER: Low- and high-frequency nitch variations due to noor mechanical performance in tape transports and turntables.



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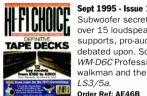
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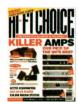
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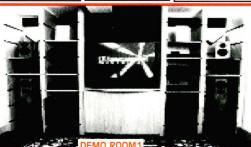
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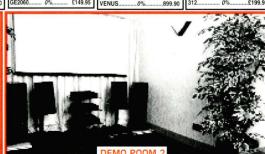
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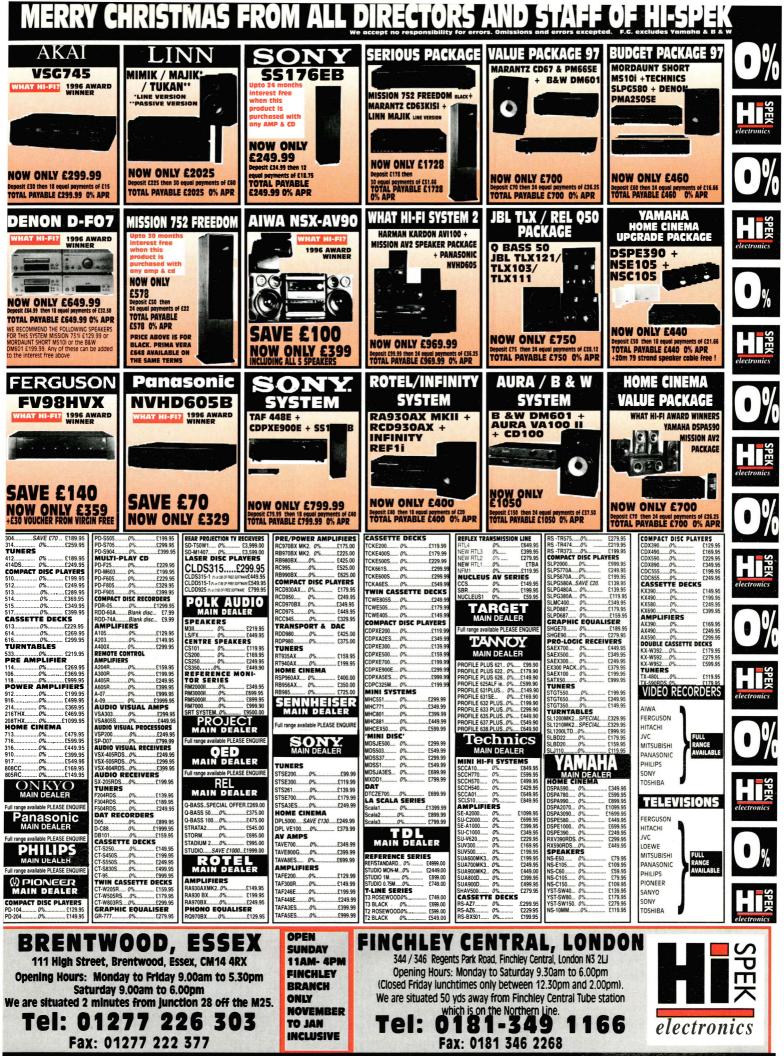
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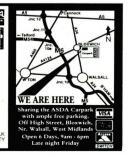
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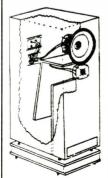
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Kevin Scott airs some controversial views on the thorny topic of hi-fi buying.

hi-fi system should aim to reproduce the complete live musical experience as plausibly as possible. Unfortunately this objective often seems to be forgotten by an industry that once combined passion with ingenious means to achieve increasingly higher fidelity, but which now combines marketing and ingenious packaging to realise increasingly higher sales.

Unfortunately for the music lover, neither style nor a strong brand image are any guarantee of high sound quality. Similarly, a system comprised of 'recommended' components from a magazine buyer's guide is no guarantee of satisfaction.

When you visit a concert hall a number of things will immediately strike you. First, there is the enormous scale of the performance. Second, there is the vast dynamic contrast. Third, there is the magnificent breadth and depth of tonal shapes, shades and colours. All of these qualities are used and manipulated by a composer as fundamental components of artistic impression. Without them the impact of any composition will be diluted.

Listening to the vast majority of hi-fi systems, this dilution is all too readily apparent. The scale of presentation is often tiny. Worse still, there is next to no contrast



Finding good hi-fi is easier than finding aliens — but both discoveries result only from open-minds...

in dynamics — those that exist are compressed unevenly. More deflating still, tonal colours are flattened, often to restricted monochrome shadings.

So the most important question for the music lover to ask is: how do I bring the concert hall experience into the home?

The only way to answer this satisfactorily is to find an audio dealer who shares the same aspirations. A dealer who

> explain how they will be met, and practically illustrate solutions to you. You need to phone dealerships before you visit and gauge the level of expertise and

interest. There are many shops that are extensively stocked with many brands, but have no

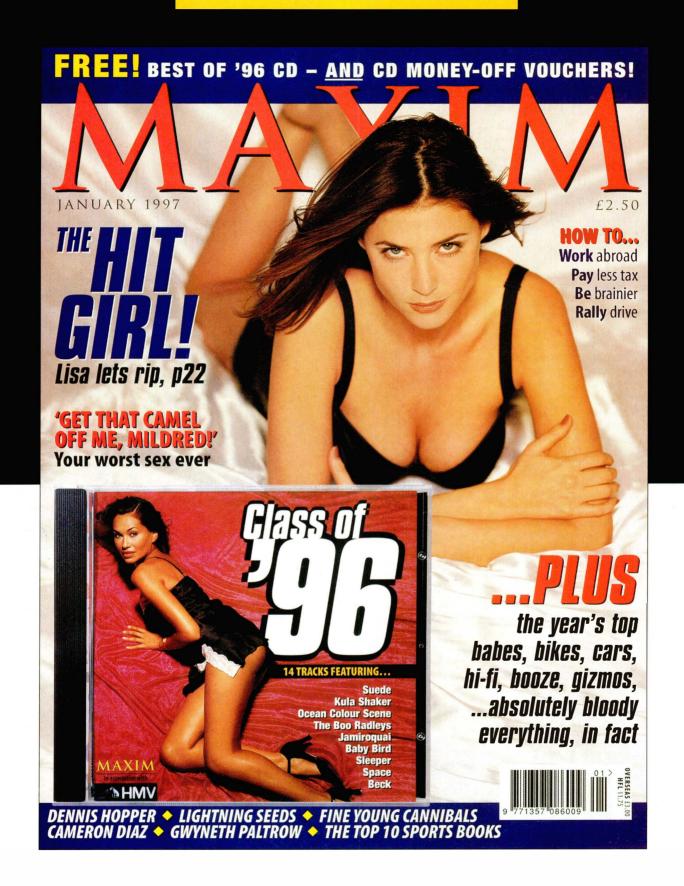
idea what they want to achieve sonically, or how to achieve what you want sonically. The fact that some dealers are happy to sit on the fence and let you choose what you prefer is not in your best interest. It may take some searching, a number of 'phone calls and a degree of travel outside your immediate locality, but when you have found a quality dealer you will usually be pleased with the results in the long run.

A good system always works as a whole, displaying an overall balance of virtues. The essential qualities of the concert hall experience — natural tonal balance, full tone colours, good scale and wide contrast — will all be present in equal measure. This balance is achieved through the artful matching of components, including important but apparently peripheral items such as power cables, connecting cables and equipment supports. The net result is an exciting and engaging musical experience that encourages you to purchase music and develop your musical sensibility.

Any system is only as good as its weakest link - which could very well be your resistance to being advised.

> Kevin Scott is the proprietor of Definitive Audio in Nottingham. Views expressed are not necessarily those of Hi-Fi Choice.





On sale 28 November

THE DIRECTORY

Our Three Step Guide to Buying Hi-Fi

The legendary *Hi-Fi Choice* Directory is now simpler to use than ever before, but contains all the information you need to select and buy the perfect hi-fi system.

Discover which products fall within your budget by using our Price Guide (starts on page 114). This listing is updated monthly and includes all hi-fi products currently available in the UK. It is organised by product type, then by price band, and is sorted alphabetically. Products whose names are printed in red are those that we have reviewed. Which leads us to...

Read about the hi-fi equipment that we have reviewed in the Directory (starts on page 122). Here you will learn which items have been singled out for our famous Best Buy and Recommended awards, which denote products of exceptional quality and value. The Directory is sorted by product type and listed alphabetically, and the beginning of each section provides essential information about each kind of hi-fi component.

STEP 3

Find your nearest hi-fi store in our Dealer Directory (starts on page 139) to book a demonstration of the products you are interested in.

Best Buys and Recommendations

If you see a Best Buy (red) or Recommended (blue) flag at the beginning of an entry in our Directory of reviewed products, the item concerned is particularly deserving of your attention.

Red signifies the Best Buy swing-tag, which indicates products of the best quality and superb value for money in their price category.

Blue Recommended products offer excellent quality and value, but not the same cost-effectiveness as a Best Buy.

Please note that an expensive Recommended product will nearly always perform better than an inexpensive Best Buy.

Using Best Buys and Recommendations to buy hi-fi.

Do not commit the cardinal sin of dashing into your local dealer, magazine in hand, demanding to purchase Best Buy CD player A, Best Buy amplifier B and Best Buy speakers C. This is unlikely to result in your long-term satisfaction. Our belief at *Hi-Fi Choice* is that you must consider the hi-fi system as a complete entity, not as a collection of components. While a superb system might well contain Best Buy and Recommended components, one cannot lump together Best Buys and Recommendations in the hope that they will automatically perform superbly. These ratings make a useful guideline for short-listing components worth trying, but only by hearing them for yourself can you draw meaningful conclusions about what suits your taste. Furthermore, don't panic if the

dealer offers you equipment that we have not tested.
At the end of the day, what matters most is that
your hi-fi system fits your tastes like a glove, and it is
the dealer's challenge to ensure your satisfaction by any

means - and components - necessary!

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EMF Audio Sequel	349
Harman/Kardon HK620 Harman/Kardon HK1200	280 300
Harman/Kardon HK1400	400
Harman/Kardon HK640	450
Luxman A-353R	350
Liounan A-373 Magnum IA170	400 299
magnum mili	233

Marantz PM-66SE	300
Marantz PM-65	300
Marantz PM-711AV	400
Marantz PM- 80II Mission Cyrus III	450 500
Moth 30 Integrated	320
Musical Fidelity E10	299
Musical Fidelity E101 Musical Fidelity A2	499 499
NAD 314	260
NAD 317	470
Onix OA32LE Onix OA31	479 480
Onix OA32M/C	499
Onkyo A-911	350
Onkyo A850 Orelle SA-100	370 449
Pioneer A-400X	300
Pioneer A-503R	300
Pioneer A-602 Pioneer A-605	350 400
Pioneer VSA-701S	500
Pro-lect Model 7	300
Rega Elex Shearne 2.5	398 489
Sony TAFA-3ES	400
Talk Electronics Storm 1	500
Technics SU-A800D Technics SU-A900 Mk2	400 450
Technics SU-A900D	500
Yamaha AX-590	299
£501 to £70 Alchemist Kraken Anniv	549
Alchemist Nemesis	650
AMC CYT3030	529
Audiolab 8000S DPA Renaiscance	700 595
DPA Renaissance	595
Exposure XX Super	700
Gamma Acoustics Gemini Harman/Kardon HK660	699 650
LFD Integrated 0	549
LFD Integrated 0 (Ph)	679
Linn Majik (Line) Lynwood Opal	650 685
Magnum Class A	675
Micromega Tempo 1	700
Musical Fidelity A220 Myryad MI 120	699 530
Naim Audio Nait 3	549
Onix OA31LE	579
Pioneer VSA-D802S Quad 771A	600 700
Roksan Caspian	695
Rose Scion	545
Shearne Phase 2 Stemfoort Audio SF60	649 549
Talk Electronics Storm 1P	549
Talk Electronics Storm 2	650
E701 to £100	700
Alchemist Forsetti	899
Arion Acoustics Adonis Export	999
Aura VA150 AVI S2000MI	800 799
Copland CSA 8	950
CR Developments Romulus	998
Credo IMP702 Credo IMP703	938 1,000
Electrocompaniet ECi -2	990
Exposure XV Super	800
Harman/Kardon HK680 LFD Integrated 0 LE	1,000 799
Linn Majik (Phono)	725
Marantz PM-17	900
Meridian 551 Micromega Tempo 2	795 900
Minstrel Ultra Linear	900
Monrio MC-200S	895
Naim Audio Nait 3 R	724

Pioneer A-07	1,000
Rega Elicit	730
Shearne Phase 2 Reference	799
Sony TAFA-5ES	1,000
Stemfoort Audio SF100	849
Talk Electronics Storm 2 P	730
TEAC AB-X10	1,000
Thule IA100	949
Unison Research Simply Two £1001 to £2000	995
Arion Acoustics Elektra	1.399
Arion Acoustics Talos	1,499
Arion Acoustics Nereus SE 300B	1,850
Arion Acoustics Tycho	1,999
Art Audio Integra	1,499
Audio Innovations Classic 25	1,099
Audio Innovations S500	1,199
Audio Innovations S700	1,199
Bryston B-60	1,090
Bryston B-60R	1,249
Copland CSA-14	1,100
Copland CTA-401 Credo LIM 702	1,699
Credo LIM 703	1,249
EAR 859	1,595
EAR 834	1.599
Electrocompaniet ECi-2SF	1,173
Graaf Venticinque	1,995
LFD Integrated 1	1,099
Marantz PM-16	1,700
Meracus Intrare	1,095
Minstrel Partridge	1,499
Monrio MC-205 Musical Fidelity A1000	1,545
Rogers E-20a	1,090
Rogers E-40a	1,900
Sonic Frontiers SFC-1	1,795
Sonus-Faber Quid	1,223
Tube Tech Unisis S'Line	1,399
Tube Tech Unisis phono	1,399
Unison Research Simply Four P	1,555
Unison Research Simply Four T	1,595
Woodside ISA230 Line Woodside ISA230 Disc	1,099
Over £2000	1,243
Adyton Opera	2,595
Electrocompaniet ECi-1	2,233
Electrocompaniet ECi-1 SF	2,415
Gamma Acoustics Rhythm	2,499
Jadis DA30 Jadis DA60	3,490
Krell KAV-300i	5,490 2,490
Mcintosh MA6800	3,735
Meracus Onesta	2,595
Pioneer A-09	4,000
Tube Tech Synergy 1	3,999
Unison Research Performance One	4,500
	3/652
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	100
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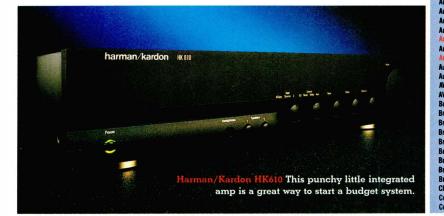
Preamps	
Up to £500	
Alchemist Kraken/Pre	380
AMC AV81 Control	289
AMC 1030	379
AMC S84	479
AMC AV81 H.T. Control	499
Analogue Saturn	75
Analogue Saturn MC	75



Copland CSA-303

Art Audio Minuet	499
Audio Innovations P1	369
Audio Innovations L1	369
Audio Innovations T2	425
Creek OBM-8	99
	110
Creek OBM-9	
Creek P42	279
Crimson CS610C	450
Denon PMA-425R	230
OPA DSP 200S	495
AR 834P	399
AR 834L	449
larman/Kardon AP2500	499
FD Linestage LSO	499
umley Reference PP70	325
umley Reference PP1	325
Magnum MP330	475
Aichell Iso	420
Noth 30 Passive	149
Noth 30 RIAA	199
Noth 30 Active	249
Noth 30 RIAA 100VA	299
Noth 30 Active 100VA	349
Ausical Fidelity E20	399
Ausical Fidelity F2	499
IAD 114	270
IAD 116	430
laim Audio Prefix	334
laim Audio NAC92	448
led Vector	199
lega EOS	398
loksan Art Axerxes	395
Prose RV-23	450
totel RC970BX MkII	175
alk Electronics Hurricane 1	500
echnics SU-C1000	350
horens TTP-2000	500
nison Research Simply Phono	500
£501 to £2000	
£501 to £2000	
dyton Chorus	1,995
dyton Chorus Ichemist Forsetti Pre	1,995 919
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros	1,995 919 1,199
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono	1,995 919 1,199 1,399
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline	1,995 919 1,199 1,399 700
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL	1,995 919 1,199 1,399
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline	1,995 919 1,199 1,399 700
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono	1,995 919 1,199 1,399 700 741
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio VP1	1,995 919 1,199 1,399 700 741 750 952
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor	1,995 919 1,199 1,399 700 741 750 952 1,250
dyton Chorus Ichemist Forsetti Pre irion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio VP1 rt Audio VP1 rt Audio VP1 rt Audio Conductor Export	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio Conductor rt Audio Innovations L2	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio VPI rt Audio Conductor Phono rt Audio Conductor rt Audio Conductor rt Audio Conductor rt Audio Conductor rt Audio Innovations L2 udio Innovations P2MM	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 749
dyton Chorus Ichemist Forsetti Pre irion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio VPL rt Audio VP1 rt Audio VP1 rt Audio Conductor st Audio Conductor rt Audio Conductor Export udio Innovations L2 udio Innovations P2MM udio Innovations P2MC	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 749 949
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor udio Innovations P2MM udio Innovations P2MC udio Research PH-3	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 749 949 1,550
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor Export udio Innovations L2 udio Innovations P2MM udio Innovations P2MM udio Innovations P2MM udio Research PH-3 udio Research PH-3	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 749 949 1,550 1,598
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio VPL rt Audio VP1 rt Audio Conductor sudio Innovations 12 udio Innovations P2MM udio Innovations P2MC udio Research LS-7 udio Research LS-3	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 749 949 1,550 1,598 1,845
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio VPL rt Audio VP1 rt Audio Conductor sudio Innovations 12 udio Innovations P2MM udio Innovations P2MC udio Research LS-7 udio Research LS-3	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 749 949 1,550 1,598
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor gudio Innovations L2 udio Innovations P2MM udio Innovations P2MC udio Research LS-7 udio Research LS-3 udio Synthesis Pro Passion	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 749 949 1,550 1,598 1,845
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor rt Audio Conductor rt Audio Conductor export udio Innovations 12 udio Innovations P2MC udio Research PH-3 udio Research LS-7 udio Research LS-7 udio Research LS-7 udio Synthesis Pro Passion udio Synthesis Pro Session	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 749 949 1,550 1,598 1,845 595 695
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio VPL rt Audio Conductor Phono rt Audio Conductor rt Audio Conductor rt Audio Conductor rt Audio Conductor Export udio Innovations 12 udio Innovations P2MM udio Innovations P2MC udio Research PH-3 udio Research LS-7 udio Research LS-3 udio Synthesis Pro Passion udio Synthesis Passion udio Synthesis Passion udio Synthesis Fassion	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 949 1,550 1,598 1,845 595 695 1,195
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor sudio Innovations P2MM udio Innovations P2MC udio Research LS-7 udio Research LS-3 udio Synthesis Passion udio Synthesis Passion udio Synthesis Passion udio Synthesis Passion 6 udio Synthesis Passion 8S	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 949 1,550 1,598 1,845 595 695 1,195
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor rt Audio Conductor rt Audio Conductor rt Audio Conductor udio Innovations L2 udio Innovations P2MC udio Research PH-3 udio Research LS-7 udio Research LS-7 udio Synthesis Po Passion udio Synthesis Passion 6 udio Synthesis Passion 8S udio Synthesis Passion 8M	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 749 949 949 9,1,550 1,598 1,845 595 695 1,195 1,695
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio VPL rt Audio Conductor Phono rt Audio Conductor rt Audio Conductor rt Audio Conductor rt Audio Conductor Export udio Innovations L2 udio Innovations P2MM udio Innovations P2MC udio Research H-3 udio Research LS-7 udio Research LS-3 udio Synthesis Pro Passion udio Synthesis Passion 6 udio Synthesis Passion 8S udio Synthesis Passion 8S udio Synthesis Passion 8M udiolab 8000C	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 749 949 1,550 1,598 1,845 595 1,195 1,695 1,695 1,695
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor sudio Innovations P2MM udio Innovations P2MC udio Research LS-3 udio Research LS-3 udio Synthesis Passion udio Synthesis Passion 6 udio Synthesis Passion 6 udio Synthesis Passion 8M udiolab 8000CP	1,995 919 1,199 700 741 1750 952 1,250 2,000 749 749 949 1,550 1,598 1,845 595 695 1,195 1,695 1,695 1,695
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor rt Audio Conductor rt Audio Conductor rt Audio Conductor udio Innovations L2 udio Innovations P2MC udio Research PH-3 udio Research LS-7 udio Research LS-3 udio Synthesis Po Passion udio Synthesis Passion 6 udio Synthesis Passion 6 udio Synthesis Passion 8S udio Synthesis Passion 8M udiolab 8000C udiolab 8000C	1,995 919 1,199 700 741 750 952 1,250 2,000 749 749 949 1,550 1,598 1,845 595 6,195 1,695 1,695 1,695 1,695
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio VPL rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor Export udio Innovations 12 udio Innovations P2MM udio Innovations P2MC udio Research PH-3 udio Research PH-3 udio Synthesis Passion udio Synthesis Passion udio Synthesis Passion 8S udio Synthesis Passion 8S udio Synthesis Passion 8S udio Synthesis Passion 8M udiolab 8000C	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 949 1,550 1,598 1,845 595 695 1,195 1,695 1,695 550 900 1,100
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor Export udio Innovations P2MC udio Innovations P2MC udio Research LS-7 udio Synthesis Passion udio Synthesis Passion udio Synthesis Passion 6 udio Synthesis Passion 8M udiolab 8000C udiolab 8000C udiolab 8000C ura CA-200C	1,995 919 1,199 700 741 1750 952 1,250 2,000 749 749 949 1,550 1,598 1,845 595 695 1,195 1,695 1,695 1,695 1,695
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor Export udio Innovations L2 udio Innovations P2MC udio Research PH-3 udio Research LS-7 udio Research LS-3 udio Synthesis Passion udio Synthesis Passion G udio Synthesis Passion G udio Synthesis Passion BS udio Synthesis Passion BM udiolab 8000C udiolab 8000C ura CA-200 ura CA-200 ura CA-200 Ura CA-200 VI S2000MP	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 749 949 1,550 1,598 1,845 595 695 1,195 1,695 1,695 500 1,100 700 700 700 700 700 700 700 700 700
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor Export udio Innovations P2MC udio Innovations P2MC udio Research LS-7 udio Research LS-3 udio Synthesis Passion udio Synthesis Passion 6 udio Synthesis Passion 6 udio Synthesis Passion 8S udio Synthesis Passion 8M udiolab 8000C udiolab 8000C ura CA-200 ura CA-200 ura CA-200 ura CA-200C VI S2000MP	1,995 919 1,199 700 741 1750 952 1,250 2,000 749 749 949 1,550 1,598 1,845 595 695 1,195 1,695 1,695 1,695 1,695
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VP1 rt Audio VP1 rt Audio VP1 rt Audio Conductor Phono rt Audio Conductor Export udio Innovations L2 udio Innovations P2MM udio Innovations P2MM udio Innovations P2MC udio Research PH-3 udio Research E-7 udio Research S-3 udio Synthesis Passion udio Synthesis Passion 6 udio Synthesis Passion 8S udio Synthesis Passion 8S udio Synthesis Passion 8S udio Synthesis Passion 8S udio Synthesis Passion 8M udiolab 8000C udiolab 8000C udiolab 8000C ura CA-200C ura CA-200C vi S2000MP VI S2000MP	1,995 919 1,199 1,399 700 741 1750 2,000 749 949 1,550 1,598 1,845 595 695 1,195 1,695 1,695 1,695 1,695 1,695 1,695 1,695 1,695 1,700 1,7
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio VPL rt Audio VPL rt Audio Conductor Phono rt Audio Conductor specific Conductor rt Audio Conductor rt Audio Conductor rt Audio Conductor rt Audio Research LS-7 udio Innovations P2MC udio Research LS-3 udio Synthesis Passion udio Synthesis Passion 6 udio Synthesis Passion 6 udio Synthesis Passion 8M udiolab 8000 udiolab 8000Q ura CA-200 ura CA-200 VI S2000MP VI S2000MP VI S2000MP + P ryston .4	1,995 919 1,199 1,399 7000 7411 750 952 1,250 2,000 749 949 1,550 1,595 1,695
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio Conductor per Audio Conductor rt Audio Romoutions L2 udio Innovations P2MC udio Research LS-7 udio Research LS-3 udio Research LS-3 udio Synthesis Passion udio Synthesis Passion duio Synthesis Passion 6 udio Synthesis Passion 8S udio Synthesis Passion 8M udiolab 8000C ura CA-200 ura CA-200 Ura CA-200 VI SZ000MP + P ryston AP ryston BP1	1,995 919 1,199 1,399 700 741 750 952 1,250 2,000 749 749 949 1,550 1,598 1,195 595 695 1,195 550 900 700 700 750 849 1,049 546 673
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VP1 rt Audio VP1 rt Audio VP1 rt Audio Conductor Phono rt Audio Conductor Export udio Innovations L2 udio Innovations P2MM udio Innovations P2MM udio Innovations P2MC udio Research BH-3 udio Research BS-3 udio Synthesis Possion udio Synthesis Passion 8 udio Synthesis Passion 8 udio Synthesis Passion 8S udio Synthesis Passion 8S udio Synthesis Passion 8S udio Synthesis Passion 8M udiolab 8000C udiolab 8000C udiolab 8000C udiolab 8000C ura CA-200C vir SCA-200	1,995 919 1,199 1,399 700 741 750 952 2,000 749 949 1,550 1,598 1,845 595 695 1,195 1,695 1,695 1,695 1,695 1,695 1,090 1,100 750 849 1,049 1,049 1,049 1,049
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio VPL rt Audio VPL rt Audio VP1 rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor spart audio Innovations P2MC udio Innovations P2MC udio Research LS-7 udio Synthesis Passion udio Synthesis Passion 6 udio Synthesis Passion 6 udio Synthesis Passion 8M udiolab 8000Q udiolab 8000Q ura CA-200 ura CA-200 ura CA-200 ura CA-200 vi S2000MP	1,995 919 1,199 1,399 7000 7411 750 952 1,250 2,000 749 749 949 1,550 1,595 1,695 1,
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor Export udio Innovations L2 udio Innovations P2MM udio Innovations P2MM udio Innovations P2MM udio Research LS-7 udio Research LS-3 udio Synthesis Passion udio Synthesis Passion 6 udio Synthesis Passion 8M udiolab 8000C udiolab 8000C ura CA-200 ura CA-200 VI S2000MP + P ryston BP1 ryston BP1 ryston BP4 ryston BP4 ryston BP20	1,995 919 1,199 1,399 700 741 1750 2,000 2,000 1,598 1,550 1,595 695 1,195 595 695 1,195 550 900 1,100 700 700 700 750 849 1,049 546 673 757 802 988
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics rion Acoust	1,995 919 1,199 1,399 700 741 750 952 2,000 749 949 1,550 1,598 1,845 595 695 1,195 1,695 550 900 1,100 750 849 1,049 546 673 757 802 958
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio VPL rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor Export udio Innovations 12 udio Innovations P2MC udio Innovations P2MC udio Research LS-7 udio Research PH-3 udio Synthesis Passion udio Synthesis Passion udio Synthesis Passion 8 udio Synthesis P	1,995 919 1,199 1,399 700 741 1750 2,000 2,000 1,598 1,550 1,595 695 1,195 595 695 1,195 550 900 1,100 700 700 700 750 849 1,049 546 673 757 802 988
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics rion Acoust	1,995 919 1,199 1,399 700 741 1750 952 1,250 2,000 749 1,550 1,598 1,845 595 695 1,195 550 900 1,100 750 849 1,049 546 673 757 802 82 1,129 1,355 81,129 1,355
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor Export udio Innovations L2 udio Innovations P2MC udio Research LS-7 udio Research LS-7 udio Synthesis Passion udio Synthesis Passion BS	1,995 919 1,399 7000 741 750 952 1,250 2,000 749 949 1,550 1,595 1,695 1
dyton Chorus Ichemist Forsetti Pre rion Acoustics Eros Phono rt Audio Headline rt Audio VPL rt Audio VPL rt Audio VPL rt Audio Conductor Phono rt Audio VP1 rt Audio Conductor Export udio Innovations 12 udio Innovations P2MC udio Innovations P2MC udio Research LS-7 udio Research PH-3 udio Synthesis Passion udio Synthesis Passion udio Synthesis Passion 8 udio Synthesis P	1,995 919 1,199 1,399 700 741 1750 952 1,250 2,000 749 1,550 1,598 1,845 595 695 1,195 550 900 1,100 750 849 1,049 546 673 757 802 82 1,129 1,355 81,129 1,355

poblatio OIM-SOTMVII	1,545
Counterpoint SA-1000E	1,195
Counterpoint Solid 8E	1,195
Counterpoint SA-2000E	1,695
Credo CMP004	1,246
Credo CMP005	1,876
Dawn Audio Prelude +50	951
DNM 3 Start	950
DNM 3A Start	1.500
OPA Enlightenment	695
DPA DSP500S	2,000
Dynavector L200	1,195
Dynavector P100	1,495
Dynavector L100	1,995
ECA Vista S	760
CA Vista HD	880
CA Prisma	880
Electrocompaniet ECP-1	580
Electrocompaniet ECP-1 SF	675
electrocompaniet EC-4.5	1,200
lectrocompaniet EC-4.5SF	1,343
Electrocompaniet EC-4 Line	1,466
electrocompaniet EC-4 SF Line	1,648
Electrocompaniet EC-3MC	
xposure XIX	1,953 800
Exposure XVII	850
Samma Acoustics Era Std	999
Graaf WFB Two	1,195
Graaf WFB One	1,895
leybrook Signature II	1,600
adis DPL2	1,790
FD MC1 Phonostage	949
FD LS1 Linestage	999
FD MC2 Phonostage	1,499
FD LS2 Linestage FD Linestage LS2P	1,599
FD Linestage LS2P	1,750
FD Linestage LSB	1,999
inn Wakonda/L	750
inn Walonda	850
inn Kairn Line	1,400
inn Kairri Phono	1,700
umley Reference PS1	795
umley Reference WAP1.5	895
umley Reference LV1.5	895
umley Reference LV1	1,000
umley Reference LV1	1,150
umley Reference WAP1	1,150
umley Reference L/R PV1.5	1,350
umley Reference PV1.5	1,500
umley Reference PV1	1,500
umley Reference PV1	1,700
Mar ntz AC-500	700
Aarantz EC-500	900
larantz SC-23	1,000
Acintosh C712	1,479
Meracus Ingredi	925
deridian 501	695
Meridian 562	765
leridian 501V	875
leridian 562V	995
leridian 502	1,295
Aichell Argo	730
lichell Iso HR	895
Aichell Argo HR	1,339
IICHI KHC-10	795
L. 1. DIIO 10	
lichi RHQ-10	1,150
lichi RHA-10	1,150
lichi RHA-10 licromega Tempo P	1,150 1,250
Aichi RHA-10 Aicromega Tempo P Aonrio ADN	1,150 1,250 625
lichi RHA-10 licromega Tempo P Ionrio ADN Ionrio PLUR1-L	1,150 1,250 625 960
lichi RHA-10 licromega Tempo P Ionrio ADN Ionrio PLUR1-L Iusical Fidelity F25	1,150 1,250 625 960 1,499
dichi RHA-10 dicromega Tempo P donrio ADN donrio PLUR1-L dusical Fidelity F25 AD 118	1,150 1,250 625 960 1,499 1,000
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lichi RHA-10 licromega Tempo P lonrio ADN lonrio PLUR1-L lusical Fidelity F25 AD 118 aim Audio NAC92R aim Audio NAC72	1,150 1,250 625 960 1,499 1,000 599 690
lichi RHA-10 licromega Tempo P lonrio ADN lonrio PLUR1-L lusical Fidelity F25 AD 118 laim Audio NAC92R laim Audio NAC72 laim Audio NAC 102	1,150 1,250 625 960 1,499 1,000 599 690 998
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Jadis DPMC Jadis DEFY-P60 Jadis IPL Jadis JPP-200 Jadis JPP-30MC Jadis JP-S2	3,190 3,774 4,720
Jadis DPMC Jadis DEFY-P60 Jadis IPL Jadis JPP-200 Jadis JP-30MC Jadis JP-52 Krell KRC3	3,190 3,774 4,720 4,998 5,978 7,900 3,198
Jadis DPMC Jadis DEFY-P60 Jadis JPL Jadis JPL Jadis JP-200 Jadis JP-30MC Jadis JP-52 Krell KRC3 Krell KSL-2	3,190 3,774 4,720 4,998 5,978 7,900 3,198 3,331
Jadis DPMC Jadis DEFY-P60 Jadis IPL Jadis JPP-200 Jadis JP-30MC Jadis JP-52 Krell KRC3	3,190 3,774 4,720 4,998 5,978 7,900 3,198
Jadis DPMC Jadis DPMC Jadis DPFY-P60 Jadis JPP-200 Jadis JPP-200 Jadis JP-30MC Jadis JP-S2 Krell KRC3 Krell KRC-2 Krell KRC-2 Krell KRC-2 Krell KRC-HR Krell KRC	3,190 3,774 4,720 4,998 5,978 7,900 3,198 3,331 4,190 6,949 6,949
Jadis DPMC Jadis DETY-P60 Jadis JPL Jadis JPL Jadis JP-200 Jadis JP-30MC Jadis JP-S2 Krell KRC3 Krell KSL-2 Krell KRC-4 Krell KRC-HR Krell KRC-HR Krell KRC LFD Disc Preamp	3,190 3,774 4,720 4,998 5,978 7,900 3,198 3,331 4,190 6,949 6,949 4,499
Jadis DPMC Jadis DPMC Jadis DPFY-P60 Jadis JPP-200 Jadis JPP-200 Jadis JP-30MC Jadis JP-S2 Krell KRC3 Krell KRC-2 Krell KRC-2 Krell KRC-2 Krell KRC-HR Krell KRC	3,190 3,774 4,720 4,998 5,978 7,900 3,198 3,331 4,190 6,949 6,949
Jadis DPMC Jadis DPTY-P60 Jadis JPL Jadis JPL Jadis JP-200 Jadis JP-30MC Jadis JP-S2 Krell KRC3 Krell KRC-2 Krell KRC-2 Krell KRC-P Krell KRC-P Lumley Reference L/R M100 Lumley Reference L/R LS2 Lumley Reference L/R PS2	3,190 3,774 4,720 4,998 5,978 7,900 3,198 3,331 4,190 6,949 4,499 2,250 3,250 3,550
Jadis DPMC Jadis DPTY-P60 Jadis JPP-200 Jadis JPP-200 Jadis JP-30MC Jadis JP-30MC Jadis JP-30MC Jadis JP-30MC Jadis JP-30MC Jadis JP-30MC JAGIS JP-30MC JAGIS JP-30MC JAGIS JP-30MC JAGIS JP-30MC JAGIS JP-30MC JR-30MC JR-30M	3,190 3,774 4,720 4,998 7,900 3,198 3,331 4,190 6,949 4,499 2,250 3,250 3,550 4,250
Jadis DPMC Jadis DPTY-P60 Jadis JPL Jadis JPL Jadis JP-200 Jadis JP-30MC Jadis JP-S2 Krell KRC3 Krell KRC-2 Krell KRC-2 Krell KRC-P Krell KRC-P Lumley Reference L/R M100 Lumley Reference L/R LS2 Lumley Reference L/R PS2	3,190 3,774 4,720 4,998 5,978 7,900 3,198 3,331 4,190 6,949 4,499 2,250 3,250 3,550
Jadis DPMC Jadis DPMC Jadis DPFY-P60 Jadis JPP-200 Jadis JPP-200 Jadis JP-30MC JAMIS JP-30MC JM-30MC JM-30	3,190 3,774 4,720 4,998 5,978 7,900 3,198 3,331 4,190 6,949 4,499 2,250 3,250 4,250 4,250 4,500 3,500 7,000
Jadis DPMC Jadis DPMC Jadis DPT-P60 Jadis JPP-200 Jadis JP-200C Jadis JP-30MC Jadis JP-30MC Jadis JP-S2 Krell KRC3 Krell KSL-2 Krell KRC-2 Krell KRC-2 Krell KRC-1 Krell KRC-1 Lumley Reference L/R M100 Lumley Reference L/R PS2 Lumley Reference L/R PS2 Lumley Reference L/R M140 Lumley Reference ST150 Marantz Model 7 Marantz Model 7 Marantz SC-5 Mark Levinson 38	3,190 3,774 4,720 4,998 5,978 7,900 3,198 3,331 4,190 6,949 4,499 2,250 3,550 4,250 4,350 3,500 7,000 3,995
Jadis DPMC Jadis DFY-P60 Jadis JPP-200 Jadis JPP-200 Jadis JP-30MC Jadis JP-S2 Krell KRC3 Krell KRC3 Krell KRC-2 Krell KRC-2 Krell KRC LFD Disc Preamp Lumley Reference L/R M140 Lumley Reference L/R M140 Lumley Reference ST150 Marantz Model 7 Marantz SC-5 Marantz Krell KRC Mark Levinson 38 Mark Levinson 38	3,190 3,774 4,720 4,998 5,978 7,900 3,198 3,331 4,190 6,949 4,499 2,250 3,250 3,550 4,250 3,550 7,000 7,000 3,995 6,495
Jadis DPMC Jadis DPMC Jadis DPT-P60 Jadis JPP-200 Jadis JPP-200 Jadis JP-30MC Jadis JP-30MC Jadis JP-30MC Jadis JP-30MC Jadis JP-30MC Jadis JP-30MC JAMC JAMC JAMC JAMC JAMC JAMC JAMC JAMC	3,190 3,774 4,720 4,998 5,978 7,900 3,198 3,331 4,190 6,949 4,499 2,250 3,550 4,250 4,350 3,500 7,000 3,995
Jadis DPMC Jadis DPMC Jadis DPT-P60 Jadis JPP-200 Jadis JPP-200 Jadis JP-30MC Jadis JP-S2 Krell KRC3 Krell KSL-2 Krell KRC-2 Krell KRC-R Krell KRC-B Lumley Reference L/R M100 Lumley Reference L/R M100 Lumley Reference L/R M100 Lumley Reference L/R M140 Lumley Reference L/R M140 Lumley Reference ST150 Marantz Model 7 Marantz SC-5 Marantz SC-5 Marantz SC-5 Marantz M0del 7 Marantz SC-6 Marantz M0del 7 Marantz SC-6 Marantz M0del 7 Marantz SC-6 Marantz M0del 7 M10	3,190 3,774 4,720 4,998 5,978 7,900 3,198 3,331 4,190 6,949 4,499 2,250 3,250 4,250 4,250 4,350 3,500 7,000 3,995 6,495 2,300 3,500 2,095
Jadis DPMC Jadis DPMC Jadis DPFY-P60 Jadis JPP-200 Jadis JPP-200 Jadis JPP-30MC Jadis JPP-30MC Jadis JPS-3MC Jadis JPS-3MC JAMIS JPS-3MC JMS-3MC JMS-3	3,190 3,774 4,720 4,998 5,978 7,900 7,900 6,949 6,949 4,499 2,250 3,250 3,250 4,250 4,250 3,550 3,500 3,500 2,095 2,300 2,095
Jadis DPMC Jadis DPMC Jadis DPT-P60 Jadis JPP-200 Jadis JPP-200 Jadis JP-30MC Jadis JP-S2 Krell KRC3 Krell KSL-2 Krell KRC-2 Krell KRC-R Krell KRC-B Lumley Reference L/R M100 Lumley Reference L/R M100 Lumley Reference L/R M100 Lumley Reference L/R M140 Lumley Reference L/R M140 Lumley Reference ST150 Marantz Model 7 Marantz SC-5 Marantz SC-5 Marantz SC-5 Marantz M0del 7 Marantz SC-6 Marantz M0del 7 Marantz SC-6 Marantz M0del 7 Marantz SC-6 Marantz M0del 7 M10	3,190 3,774 4,720 4,998 5,978 7,900 3,198 3,331 4,190 6,949 4,499 2,250 3,250 4,250 4,250 4,350 3,500 7,000 3,995 6,495 2,300 3,500 2,095
Jadis DPMC Jadis DPMC Jadis DPMC Jadis JPL Jadis JPP-200 Jadis JP-30MC Jadis JP-30MC Jadis JP-30MC Jadis JP-30MC Jadis JP-30MC JAMIS JR-30MC JAMIS JR-30MC JAMIS JR-30MC JAMIS JR-30MC	3,190 3,774 4,720 4,998 5,978 7,900 3,198 3,331 4,190 6,949 4,499 2,250 3,250 3,250 3,250 3,250 3,550 4,250 3,500 3,500 2,095 6,495 2,300 3,198 3,198 4,200 3,200
Jadis DPMC Jadis DPMC Jadis DPT-P60 Jadis JPP-200 Jadis JPP-200 Jadis JP-30MC Jadis JP-30M Krell KRC-3 Krell KRC-4 Krell KRC-1 Krell KRC-2 Krell KRC-2 Krell KRC-3	3,190 3,774 4,720 4,998 5,978 7,900 3,198 3,331 4,190 6,949 4,499 2,250 3,250 4,250 4,350 3,500 2,095 2,300 3,500 2,095 2,099 3,129 3,239 2,195 2,750
Jadis DPMC Jadis DPMC Jadis DPL Jadis JPL Jadis JPL Jadis JPP-200 Jadis JP-30MC JAMC-2 Krell KRC-2 Krell KRC-2 Krell KRC-4 Krell KRC-4 Krell KRC-1 Krell KRC-1 Krell KRC-1 Krell KRC-1 Krell KRC-1 Krell KRC-2 Krell KRC-2 Krell KRC-2 Krell KRC-2 Krell KRC-3 Krell K	3,190 3,774 4,720 4,998 5,978 7,900 6,949 6,949 4,499 2,250 3,250 3,550 4,250 4,350 3,500 3,500 2,099 3,129 3,129 3,129 3,129 3,129 3,129

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	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTM120 Audio Research VTM120 Audio Research VTM0SE	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research UTSO Audio Research VTFO Audio Research VTM120 Audio Research VTGOSE Audio Research VTM120SE	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,190
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	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VT60 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM120SE Audio Resear	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,190 3,248 3,355
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research UT80 Audio Research VT60 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,190 3,248 3,355 4,480
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VT60 Audio Research VTM120 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM120SE Audio Research V35 Audio Research V370 Audio Research V370 Audio Research V370 Audio Research D-300	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,248 3,355 4,480 4,800
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTB0 Audio Research VTB120 Audio Research VTB120 Audio Research VTB120SE Audio Research D-200 Audio Research D-200 Audio Research V70 Audio Research V70 Audio Research V730 Audio Research V730 Audio Research V730 Audio Research V730	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,248 3,355 4,480 4,800 5,994
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VT60 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM2SE Audio Research VTM2SE Audio Research VTM2SE Audio Research VTM2 Audio Research VTM3	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,248 3,355 4,480 4,800 5,994 6,600
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTB0 Audio Research VTB120 Audio Research VTB120 Audio Research VTB120SE Audio Research D-200 Audio Research D-200 Audio Research V70 Audio Research V70 Audio Research V730 Audio Research V730 Audio Research V730 Audio Research V730	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,248 3,355 4,480 4,800 5,994
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VT60 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM2SE Audio Research VTM2SE Audio Research VTM2SE Audio Research VTM2 Audio Research VTM3	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,248 3,355 4,480 4,800 5,994 6,600
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research V160SE Audio Research V170SE Audio Research V170 Audio Research V17150 Audio Research V170 Audio Research V17150	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,248 3,355 4,480 4,800 5,994 6,600 7,200
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VT80 Audio Research VT802 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM120SE Audio Research V35 Audio Research V35 Audio Research V30 Audio Research V30 Audio Research V1130 Audio Research V1130 Audio Research V1150 Audio Research V1150 Audio Research V1130SE	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,248 3,355 4,480 4,800 5,994 6,600 7,200 8,145
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VT60 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM120SE Audio Research D-200 Audio Research V70 Audio Research V70 Audio Research V70 Audio Research V7130 Audio Research V7130 Audio Research V7130 Audio Research V7150SE Audio Research V7150SE	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,248 3,355 4,480 4,800 5,994 6,600 7,200 8,145 8,400
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research V150 Audio Research V160SE Audio Research V17M120 Audio Research V17M120SE	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,190 3,248 3,355 4,480 5,994 6,600 7,200 8,145 8,400 8,960
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VT80 Audio Research VT802 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM20SE Audio Research VTM35 Audio Research VTM30 Audio Research VTM30SE	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,248 3,355 4,480 5,994 6,600 7,200 8,145 8,400 8,960 2,030
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTM120 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM120SE Audio Research D-200 Audio Research D-200 Audio Research D-300 Audio Research VTM BERSEARCH VTM AUDIO RESEARCH VTM BERSEARCH VTM BERSEARC	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,190 3,248 3,355 4,480 4,800 5,994 6,600 7,200 8,145 8,400 8,960 2,030 2,195
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research V150 Audio Research V160SE Audio Research V170SE Audio Research V170SE Audio Research V170SE Audio Research V170 Audio Research V171 Audio Research V171 Audio Research V1750 Audio Research V1750SE Audio Research V1750SE Audio Research V1740 Bryston T1788 Bryston B8-MRB Chord SPM 800	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,190 3,248 4,480 4,800 7,200 8,145 8,400 8,960 2,030 2,195 2,155
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTB0 Audio Research VTB120 Audio Research VTB120 Audio Research VTB120 Audio Research VTB120SE Audio Research VTB120SE Audio Research VTB120SE Audio Research VTB120SE Audio Research VTD Audio Research VTO Audio Research VTO Audio Research VTO Audio Research VTI30 Audio Research VTI30SE Audio Research VTI30SE Audio Research VTI40 Bryston THXBB Bryston BB-MRB Chord SPM 800 Chord SPM 1000B	2,500 3,524 2,499 2,497 2,645 3,190 3,248 4,800 6,600 7,200 8,145 8,960 2,030 2,195 2,155 3,840
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research V150 Audio Research V160SE Audio Research V160SE Audio Research V17120SE Audio Research V17120SE Audio Research V17120SE Audio Research V17120SE Audio Research V70 Audio Research V70 Audio Research V70 Audio Research V7130SE Audio Research V7150SE Audio Research V7150SE Audio Research V140 Bryston T183B Bryston 8B-NRB Chord SPM 800 Chord SPM 1000B Chord SPM 1000B Chord SPM 1000	2,500 3,524 2,497 2,645 3,190 3,248 3,355 4,480 4,800 6,600 7,200 8,145 8,400 2,030 2,195 2,155 2,650 3,840 4,890
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTB0 Audio Research VTB0 Audio Research VTB120 Audio Research VTB120 Audio Research VTB120SE Audio Research VTB120SE Audio Research VTB120SE Audio Research VTB120SE Audio Research D-200 Audio Research V70 Audio Research V70 Audio Research V70 Audio Research V7130 Audio Research V7150 Audio Research V7150SE Audio Research V7150SE Audio Research V7140 Bryston THX8B Bryston BB-MRB Chord SPM 800 Chord SPM 1200 Chord SPM 1200 Chord SPM 1200 Chord SPM 1200 Chord SPM 1000	2,500 3,524 2,499 2,497 2,645 2,645 3,190 3,190 3,248 4,880 4,880 2,030 2,030 2,030 2,195 2,155 2,650 3,840 4,890 4,890
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research V150 Audio Research V160SE Audio Research V160 Audio Research V70 Audio Research V70 Audio Research V70 Audio Research V100 Audio Research V1130 Audio Research V1130 Audio Research V1150 E Audio Research V1150 Audio Research V1150 E Audio Research V1150SE Audio Research V110 Bryston THXBB Bryston THXBB Bryston BB-NRB Chord SPM 1000B Chord SPM 1000 Chord SPM 1200 Chord SPM 1000	2,500 3,524 2,499 2,497 2,645 3,190 3,190 3,190 4,800 7,200 8,145 8,400 2,030 2,030 2,195 2,650 3,840 4,890 7,960
	Art Audio Quintet SE Art Audio Maestro Ard Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research V150 Audio Research V160SE Audio Research V170SE Audio Research V170SE Audio Research V170SE Audio Research V170 Bryston B8-NRB Chord SPM 1000B Chord SPM 1000 Copland C174-505	2,500 3,524 2,499 2,497 2,645 2,645 3,190 3,190 3,190 8,145 8,400 8,145 8,400 2,195 2,155 2,655 4,890 4,890 2,195 2,155 2,650 2,195
	Art Audio Quintet SE Art Audio Maestro Ard Audio Invarions Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTB0 Audio Research VTB0 Audio Research VTB120 Audio Research VTB120 Audio Research VTB120SE Audio Research VT0 Audio Research VT0 Audio Research VT130SE Audio Research VT150SE Audio Research VT140 Bryston THX8B Bryston BB-MRB Chord SPM 800 Chord SPM 1200 Chord SPM 1200 Chord SPM 1000 Chord SPM 1600 Chor	2,500 3,524 2,499 2,497 3,190 3,190 3,190 3,190 4,800 7,200 8,145 2,195
	Art Audio Quintet SE Art Audio Maestro Ardudio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research UT30 Audio Research VT80 Audio Research VT802 Audio Research VT802 Audio Research VT802 Audio Research VT802 Audio Research VT90 Audio Research V70 Audio Research V70 Audio Research V70 Audio Research V7130 Audio Research V7130 Audio Research V7130 Audio Research V7150 Audio Re	2,500 3,524 2,499 2,497 3,190 3,190 3,190 3,190 4,800 7,200 8,145 2,650 4,890 4,890 4,890 4,890 7,960
	Art Audio Quintet SE Art Audio Maestro Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research V150 Audio Research V160SE Audio Research V17120SE Audio Research V1730 Audio Research V1730 Audio Research V1730 Audio Research V1730SE Audio Research V1750SE Audio Research V1750SE Audio Research V1740 Bryston T1788 Bryston 8B-NRB Chord SPM 1000B Chord SPM 1000 Chord SPM 1000 Chord SPM 200 Chord SPM 200 Chord SPM 200 Chord SPM 3000 Copland C174-505 Counterpoint S0Id 2E Counterpoint S0Id 2E Counterpoint S44	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,190 4,800 6,600 7,200 2,195 2,155 2,655 8,400 4,890 2,195 2,155 2,650 4,890 2,995 2,955
	Art Audio Quintet SE Art Audio Maestro Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTB0 Audio Research VTB0 Audio Research VTB0SE Audio Research VTB120 Audio Research VTB120SE Audio Research VTB120SE Audio Research VTB120SE Audio Research VTB120SE Audio Research VT35 Audio Research VT35 Audio Research VT30 Audio Research VT130 Audio Research VT150 Audio Research VT150 Audio Research VT150SE Audio Research VT150SE Audio Research VT160SE Coudio SPM 1000 Chord SPM 800 Chord SPM 1000 Ch	2,500 3,524 2,499 3,299 2,497 3,190 3,305 5,994 4,800 2,030 2,195 2,650 3,840 4,890 4,890 4,890 2,030 2,195
	Art Audio Quintet SE Art Audio Maestro Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTB0 Audio Research VTB02 Audio Research VTB120 Audio Research VTD Audio Research VTD Audio Research VTD Audio Research VTB0 Chord Research VTB0 Chord SPM B00 Chord SPM 1000 Chord SPM 1000 Chord SPM 1000 Chord SPM 1000 Copland CTA-505 Counterpoint Solid ZE Counterpoint NPS-200E Counterpoint NAP Fogress Counterpoint NAP Fogress Counterpoint NAP Fogress	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,190 4,800 5,994 4,800 2,030 2,195 2,155 3,840 4,890 4,890 2,030 2,195 2,155 3,150 4,890 4,900
	Art Audio Quintet SE Art Audio Maestro Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research V150 Audio Research V160SE Audio Research V160SE Audio Research V160SE Audio Research V17M120SE Audio Research V1150SE Audio Research V1150SE Audio Research V1150SE Audio Research V1150SE Audio Research V1140 Bryston 11X8B Bryston 8B Bryston 8B Chord SPM 1200 Chord SPM 1000B Chord SPM 1200 Chord SPM 1000 Chord SPM 1000 Chord SPM 1000 Copland CTA-505 Counterpoint NPS-200E Counterpoint NAT Progress Counterpoint NAT Progress Counterpoint NAT Progress Counterpoint NPS-400E Counterpoint NPM-E	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,248 4,800 7,200 8,145 2,650 8,400 2,030 4,890 2,195 2,195 2,195 2,195 2,195 2,195 2,195 2,195 2,195 2,195 2,195 2,195 2,195 2,195 2,195 2,195 4,890 2,195
	Art Audio Quintet SE Art Audio Maestro Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTM120 Audio Research VTM120 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM120SE Audio Research D-200 Audio Research VTM130 Audio Research VTM130 Audio Research VTM150 Coudio Research VTM150 Coudio Research VTM150 Coudio Research VTM150 Chord SPM 800 Chord SPM 800 Chord SPM 1000 Ch	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,248 4,800 5,994 4,800 2,030 2,195 2,650 4,890 4,890 4,890 2,995 2,995 4,890 4,900 4,800
	Art Audio Quintet SE Art Audio Maestro Ardudio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTB02 Audio Research VTB02 Audio Research VTB120 Audio Research VTD Audio Research VTD Audio Research VTD Audio Research VTI30 Audio Research VTI30SE Counde Research VTI30SE Chord SPM 1000 Counterpoint Solid ZE Counterpoint NPS-200E Counterpoint NPS-400E Counterpoint NPS-400E Counterpoint NPM-E Credo LPO 804	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,190 5,994 4,800 2,195 2,155 2,155 2,155 4,890 4,890 2,099 2,099 4,125
	Art Audio Quintet SE Art Audio Maestro Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research V150 Audio Research V150SE Counterpoin TKAB Bryston BB-NRB Chord SPM 1000B Chord SPM 1200 Chord SPM 200 Chord SPM 200 Chord SPM 1000 Chord SPM 1000 Copland CTA-505 Counterpoint NPS-200E Counterpoint NAT Progress Counterpoint NAT Progress Counterpoint NAT Progress Counterpoint NPS-400E Counterpoint NPM-E Credo LPO 804 Credo PMP 155 Credo LPO 155	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,248 4,800 7,200 8,145 8,400 4,800 7,200 8,145 2,155 2,650 4,890 2,195 2,195 2,195 2,195 2,195 2,195 2,195 4,890 4,890 2,495 4,890 4,900
	Art Audio Quintet SE Art Audio Maestro Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTM120 Audio Research VTM120 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM20SE Chord SPM 800 Chord SPM 800 Chord SPM 1000B Chord SPM 1000 Chord S	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,248 4,800 5,994 4,800 2,030 2,195 2,155 2,650 3,840 2,030 2,195 2,195 2,495 2,195 2,495 4,890 4,900
	Art Audio Quintet SE Art Audio Maestro Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research UTI30 Audio Research VTB0 Audio Research VTB120 Audio Research VTM120 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM20SE Audio Research VTM20 Audio Research VTM20 Audio Research VTM30 Expression VTM30 Audio Research VTM30 Color Research VTM30 Audio Research VTM30 Color Research VTM30 Color Research VTM30 Color Research VTM30 Color Research VTM30 Chord SPM 800 Chord SPM 1000 Chord SPM 1000 Chord SPM 1000 Colord SPM 1000 Colord SPM 1000 Colord SPM 1000 Colord SPM 3000 Colord SPM 1000 Counterpoint NPS-200E Counterpoint NPS-200E Counterpoint NPS-400E Counterpoint NPM-E Credo LP 0840 Credo PMP 155 Credo LP 0455 DMM PAZBE	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,190 8,145 8,400 2,030 2,030 2,195 2,155
	Art Audio Quintet SE Art Audio Maestro Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research V150 Audio Research V150 Audio Research V160SE Audio Research V160SE Audio Research V170 Audio Research V170 Audio Research V170 Audio Research V170 Audio Research V35 Audio Research V35 Audio Research V35 Audio Research V170 Audio Research V1130 Audio Research V1130 Audio Research V150 Audio Research V150 Audio Research V150 Audio Research V150SE Audio Research V150SE Audio Research V150SE Audio Research V140 Bryston 1148B Bryston 8B Bryston 8B Chord SPM 1000B Chord SPM 1000 Chord SPM 200 Chord SPM 1000 Counterpoint N54 Counterpoint N54 Counterpoint N44 Counterpoint N44 Counterpoint N44 Credo LPO 804 Credo LPO 804 Credo LPO 855 DNM PA2BE DNM PA2BE	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,248 4,800 7,200 8,145 2,656 8,960 4,890 2,030 2,195
	Art Audio Quintet SE Art Audio Maestro Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTM120 Audio Research VTM120 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM20SE Chord SPM 800 Chord SPM 800 Chord SPM 1000B Chord SPM 1000 Chord SPM 1000 Chord SPM 200 Chord SPM 200 Chord SPM 200 Chord SPM 200 Chord SPM 3000 Chord SPM 3000 Chord SPM 1000 Chord SPM 100	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,248 4,800 5,994 4,800 2,030 2,195 2,155 2,650 3,840 2,030 2,195 2,195 2,495 2,495 4,890 4,900
	Art Audio Quintet SE Art Audio Maestro Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research V150 Audio Research V150 Audio Research V160SE Audio Research V160SE Audio Research V170 Audio Research V170 Audio Research V170 Audio Research V170 Audio Research V35 Audio Research V35 Audio Research V35 Audio Research V170 Audio Research V1130 Audio Research V1130 Audio Research V150 Audio Research V150 Audio Research V150 Audio Research V150SE Audio Research V150SE Audio Research V150SE Audio Research V140 Bryston 1148B Bryston 8B Bryston 8B Chord SPM 1000B Chord SPM 1000 Chord SPM 200 Chord SPM 1000 Counterpoint N54 Counterpoint N54 Counterpoint N44 Counterpoint N44 Counterpoint N44 Credo LPO 804 Credo LPO 804 Credo LPO 855 DNM PA2BE DNM PA2BE	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,248 4,800 7,200 8,145 2,656 8,960 4,890 2,030 2,195
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research UTSO Audio Research VTBO Audio Research VTBO Audio Research VTM120 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM20SE Audio Research VTM20SE Audio Research VTM35 Audio Research VTM35 Audio Research VTM30SE Chord SPM 800 Chord SPM 800 Chord SPM 1000 Counterpoint NPS-200E Counterpoint NPS-200E Counterpoint NPS-200E Counterpoint NPM-E Credo LPO 800 Credo PMP 155 Credo LPO 455 DNM PAZBS DNM PAZBS DNM PAZBS-1 DPA DPA500S	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,248 4,800 5,994 4,800 2,030 2,195 2,155 2,650 3,840 2,030 2,195 2,195 2,495 2,495 4,890 4,900
	Art Audio Quintet SE Art Audio Maestro Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTM120 Audio Research VTM120 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM20SE Chord SPM 800 Chord SPM 800 Chord SPM 1000B Chord SPM 1000 Chord SPM 1000 Chord SPM 200 Chord SPM 200 Chord SPM 200 Chord SPM 200 Chord SPM 3000 Chord SPM 3000 Chord SPM 1000 Chord SPM 100	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,190 8,145 8,400 2,030 2,030 2,195 2,155 2,650 3,840 4,890 2,030 2,195
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research V150 Audio Research V150 Audio Research V150SE Audio Research V35 Audio Research V35 Audio Research V35 Audio Research V35 Audio Research V150 Audio Research V150SE Counterpoin THX8B Bryston 8B Chord SPM 1000B Chord SPM 1000B Chord SPM 1000 Counterpoint NPS-200E Counterpoint SA4 Counterpoint NPS-200E Counterpoint NAP Frogress Counterpoint NPS-400E Counterpoint NPS-400E Counterpoint NPS-400E Counterpoint NPS-5 Credo LPO 155 Credo LPO 155 Credo LPO 155 Credo LPO 455 DNM PAZBE DNM PAZBS	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,248 4,800 7,200 8,145 2,656 8,960 4,890 2,030 2,195 2,456 4,890 2,030 2,195 2,456 4,890 2,495 4,890 2,495 4,890 2,495 4,895 4,895 4,895 4,895 4,895 4,895 4,895 4,895 4,895 4,895 4,895 5,944 4,890 2,195 5,250 6,267
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research UTSO Audio Research VTBO Audio Research VTBO Audio Research VTBOSE Audio Research VTOSE Audio Research VTISOSE Audio Research VTISOSE Audio Research VTISOSE Audio Research VTOSE CONTENDED CONTENDED CONTENDED CONTENDED CONTENDED CONTENDED CONTENDED CONTENDED CONTENDED COUNTERPOINT NPS-200E COUN	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,190 8,145 8,400 2,030 2,030 2,195 2,650 4,880 2,030 2,195 2,195 4,125
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research V150 Audio Research V150 Audio Research V150SE Audio Research V35 Audio Research V35 Audio Research V35 Audio Research V35 Audio Research V1130SE Audio Research V1130SE Audio Research V1150SE Audio Research V150SE Counterpoin THX8B Bryston 8B Chord SPM 1000B Chord SPM 1000B Chord SPM 1000 Cunterpoint NPS-200E Counterpoint SA4 Counterpoint NPS-200E Counterpoint NPS-400E Counterpoint NPS-400E Counterpoint NPS-400E Counterpoint NPS-5 Credo LPO 455 DNM PAZBE DNM PAZBE DNM PAZBS DNM PA	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,248 4,800 7,200 8,145 2,656 8,400 2,030 2,195 2,456 4,890 2,495 2,456 4,890 2,495 2,456 4,295 2,456 4,295 2,456 4,295 2,456 4,295 2,456 4,295 2,456 4,295 2,456 4,295 4,295 2,495 4,295 2,495 4,295
	Art Audio Quintet SE Art Audio Maestro Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research VTM120 Audio Research VTM120 Audio Research VTM120 Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM120SE Audio Research VTM20SE Chord SPM 800 Chord SPM 800 Chord SPM 1000 Chord SPM 1000 Chord SPM 1000 Chord SPM 200 Chord SPM 3000 Chord SPM 3000 Chord SPM 4000 Chord SPM 4000 Chord SPM 1000 Chord SPM 1000 Chord SPM 1000 Chord SPM 200 Chord SPM 1000 Chord SPM 1000 Chord SPM 200 Chord SPM 200 Chord SPM 1000 Chord SPM 200 Chord SPM 1000 Chord SPM 1000 Chord SPM 200 Chord SPM 200 Chord SPM 1000 Chord SPM 200 C	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,248 8,400 8,145 2,030 2,195 2,650 4,890 4,890 4,890 2,495 2,495 2,495 2,495 2,495 2,495 2,495 2,495 2,495 2,495 4,490 4,890 4,900
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research UTSO Audio Research VTGOSE Audio Research VTISOSE Audio Research VTISOSE Audio Research VTISOSE Audio Research VTGOSE CONTES WEST AUGIO RESEARCH VTGOSE AUGIO RESEARCH VTGOSE CONTES WEST AUGIO RESEARCH VTGOSE CONTES WEST CONTES WEST CONTES WEST COUNTERPOINT NPS-200E COUNTERPOINT NPS	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,190 8,145 8,400 2,030 2,195 2,650 3,840 4,890 2,030 2,195 3,575 4,250
	Art Audio Quintet SE Art Audio Maestro Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research D130 Audio Research V150 Audio Research V150 Audio Research V150SE Audio Research V150SE Audio Research V150SE Audio Research V150SE Audio Research V35 Audio Research V1130SE Audio Research V1130SE Audio Research V150SE Chord SPB AUB Bryston 8B Chord SPM 1000B Chord SPM 1200 Chord SPM 1200 Chord SPM 1200 Chord SPM 1000 Chord SPM 1000 Chord SPM 1000 Chord SPM 1000 Copland CTA-505 Counterpoint NPS-200E Counterpoint NAP Frogress Counterpoint NAP Frogress Counterpoint NAP Frogress Counterpoint NAP Credo LPO 455 DNM PAZBS	2,500 3,524 2,499 3,299 2,497 2,645 2,645 3,190 3,248 4,800 7,200 8,145 2,656 8,400 2,030 2,195 2,155 2,650 4,890 2,495 2,295 4,250 2,250 4,250 2,250 4,250 2,250 4,250 2,250 4,250 2,250 4,250 2,250 4,250 2,250 4,250 2,250 4,250 2,250 4,250 2,250 4,250 2,250 4,250 2,250 4,250 2,250 4,250 2,250 4,250
	Art Audio Quintet SE Art Audio Maestro Audio Innovations Ser 1000SE Audio Innovations Second Audio Audio Research UTSO Audio Research VTGOSE Audio Research VTISOSE Audio Research VTISOSE Audio Research VTISOSE Audio Research VTGOSE CONTES WEST AUGIO RESEARCH VTGOSE AUGIO RESEARCH VTGOSE CONTES WEST AUGIO RESEARCH VTGOSE CONTES WEST CONTES WEST CONTES WEST COUNTERPOINT NPS-200E COUNTERPOINT NPS	2,500 3,524 2,499 3,299 2,497 2,645 3,190 3,190 8,145 8,400 2,030 2,195 2,650 3,840 4,890 2,030 2,195 3,575 4,250

Electrocompaniet AW180MB	4,673
Electrocompaniet AW180MB-SF	4,910
Exposure IV	2,199
Exposure XVI	4,000
Gamma Acoustics Aeon 211/VT4C	4,999
Gamma Acoustics Space Ref	5,999
Graaf 5050	2,150
Graaf GM 100	4,490
Graaf GM200	8,000
Jadis JA-30	2,880
Jadis DA8	3,333
Jadis JA300B	4,500
Jadis JA-80	4,956
Jadis DA7	5,290
Jadis DEFY-7	5,290
Jadis JA-200	7,759
Krell KSA-50s	3,690
Krell KSA-100s	5,843
Krell KSA-200s	7,987
Krell KSA-300s	9,500
Lumley Reference M120	3,200
Marantz Model 8	3,500
Marantz Model 9	4,000
Marantz SM-5	5,000
Mark Levinson 29	3,450
Mark Levinson 331	4,495
Mark Levinson 27.5	5,399
Mark Levinson 332	6,495
Mark Levinson 23.5	7,399
Mark Levinson 333	8,495
Matisse Ref Monoblocks	7,800
Mcintosh MC7108	2,249
Mcintosh MC7150	2,295
Mcintosh MC7104	2,729
Mcintosh MC150 Mcintosh MC7300	2,855
Mcintosh MC7106	3,195
Mcintosh MC275	3,425 3,595
Mcintosh MC300	3,765
Mcintosh MC2600	5,395
Mcintosh MC500	6,265
Meracus Tentare	2,245
Meracus Cantare	8,995
Musical Fidelity F16	2,499
Musical Fidelity F19	3,999
Papworth M100	2,645
Papworth M200	3.825
Roksan ROK-M1.5	2,250
Shearne Phase 1 Pwr Ref	2.199
Sonic Frontiers SFS-80	2,895
Sonic Frontiers SFS-160	5,495
Tesserac TAMP-60	7,350
Tube Tech Genesis	2,599
Unison Research Smart 845	3,250
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Carlotte Market State of St.	
AV Amplifiers/Rec	eivers
Arcam Xeta One	1.000
Audio Research SDA1	4,391
Citation 7.1	2,500
Denon AVR-900	350
Denon AVC-1800	550
Denon AVC-2800	800
Exposure XXV	1,000
Grundig V1000DPL	360
Harman/Kardon AVI100	300
Harman/Kardon AVR-10	380
Harman/Kardon AV1150	400
Harman/Kardon AVR-21	500
Harman/Kardon AVI200	500
Harman/Kardon AVR-25	650
Harman/Kardon AVR-30	1,000
Heybrook Parasound HCA 806	1,495
JVC AX-V6BK	230
JVC RX-416VBK	270
JVC RX-616RBK	350
Krell KAV500/2	3,485
Krell KAV500/3	3,985
Krell KAV500/4	4,485
Krell KAV500/5	4,985
Marantz MM-500	400
Marantz PM-711AV Mission AV-Master	450 650
MISSION AV-MASTER NAD AV-316	450
NAD 216THX	470
NAD 917	550
NAD 716	600
NAD ASV 620	700
Onkyo A-SV610	600
Onkyo TX-SV525PRO	600
Onkyo TX-SV919THX	2.000
omigo m ottazottik	2,000

Pioneer VSA - 303	300
Pioneer VSA - 805S	450
Rotel RB956AX	350
Rotel RSP960AX	400
Sony TA-VE700	350
Sony TA-VE 800G	400
Sony TA-VA 8ES	700
Yamaha RX-V390RDS	300
Yamaha DSP-A590	349
Yamaha RX-V590RDS	449
Yamaha DSP-A780	599
Yamaha DSP-A970	799
Yamaha DSP-990	900
Yamaha DSP-A2070	1.099
Yamaha DSP 3090	1,700



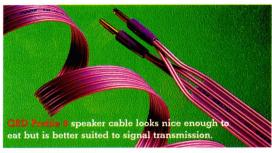
Surround Sound Proc	essors
Arcam XETA 2	650
Audio Research SDPI	3,293
Exposure XXIII	750
Exposure XX1	1,050
Heybrook Parasound PSP 1000	995
Kenwood SS-3300	200
Marantz AV-1030	330
Marantz AV-1040	400
Marantz DP-870	600
NAD 117	470
NAD ED 901	700
Naim Audio NAV1	1,600
Onkyo SR211PRO	340
Pioneer VSP-200	250
Sanyo HT F450	180
Sherwood ES5030R	200
Sony SDP E300	230
Technics SH-AV500	280
Yamaha DSP-E390	250
Yamaha DSP-E580	450
Yamaha DSP-E1000	700

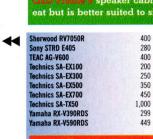


Surround Sound Re	ceivers
Denon AVR-600RD	300
Grundig R14DPL	280
Grundig R1000DPL	400
Harman/Kardon AVR-20	499
Harman/Kardon AVR-25	699
Harman/Kardon AVR-30	1,000
JVC RX-416VBK	270
JVC RX-616RBK	350
Kenwood KR-V5080	280
Kenwood KR-V6080	330
Kenwood KR-V7080	380
Kenwood KR-V990D	1,300
Marantz SR-66	300
Marantz SR-770	700
Marantz SR-96	1,300
NAD 711 NAD TXSV 424	400
NAD 135V 424 NAD 316	450 450
	450
NAD AV713 NAD 713	
NAD TXSV 535R	480 600
NAD TXSV 535R	600
NAD AV716	600
NAD TXSV 727R	900
NAD TXSV 828THX	1.300
NAD TXSV 919THX	2,000
Onkyo TX-SV424PRO	450
Onkyo TX-SV525PRO	600
Onkyo TX-SV727PRO	900
Philips FR731	250
Philips FR751	300
Pioneer VSX-405RDS	250
Pioneer VSX-505RDS	300
Pioneer VSX-804RDS	399
Sherwood RV4050R	120
Sherwood RV5030R	300
Sherwood RV5050R	300
Cherwood DVC030D	400



Audio Technica AT-110E non DL110 non DL160 non DL103







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Goldring 1022GX	99
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Grado ZCE+1	
Grado Z3E+1 Grado Prestige Black	47 49
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Grado Prestige Red	99
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Ortofon OMP-5E	20
Ortofon OM-5E	20
Ortofon OM10 Super	30
Ortofon OMPRO-S	38
Ortofon OM Pro S	38
Ortofon 510	38
Ortofon OMDJ's	50
Ortofon OMPRO-S+2	60
Ortofon OM Night Club S	65
Ortofon 520	65
Ortofon OM20 Super	70
Ortofon OM Night Club E	70
Ortofon MC1 Turbo	70
Ortofon Concord PRO-S Ortofon Concord DJ's	70 80
Ortofon OM30 Super	90
Ortofon Concord PRO-S +2	95
Ortofon OMNC+2	100
Ortofon MC10 Super	100
Ortofon 530	100
Pickering TE-15	20
Pickering VE-15	25
Pickering T-E	25
Pickering V15-DJ	28
Pickering TL-E	35
Pickering TL-2E	45
Pickering XV15-625E	50
Pickering XV15-150-DJ	50
Pickering TL-2-S	55
Pickering XV15-757S	60
Pickering XV15-625DJ	60
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Pickering XLZ-3500	100
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Pro-Ject 78rpm Kit	20
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Dnm Reson Mica	150
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Dnm Reson Etile	299
Dnm Reson Lexe	899
Dynavector 50X	159
Dynavector 10X	189
Dynavector 23RS	375
Dynavector 17D2	450
Dynavector XX-1L	998
Dynavector XX-1	998
Dynavector Te-Kaitora	1,698
Goldring Eroica LX	110
Goldring Eroica	110
Goldring 1042	120
Goldring Elite	220
Grado Prestige Silver	119
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Grado Signature Junior	149
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Shure ME95ED
Shure M70BX
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Stanton 500EL
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Sumiko Oyster Sumiko Black Pearl Sumiko Pearl Sumiko Blue Point

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Ortofon Concord NC E	120
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Ortofon MC15 Super II	130
Ortofon 540	130
Ortofon Concord NCS +2 Ortofon Concord DJS +2	150 150
Ortofon Concord NC+E	165
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Ortofon MC25FL	249
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Dual CC8000 RS	200
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JVC TD-W218BK	170
JVC TD-X372BK	170
JVC TD-R472BK	200
JVC TD-W318BK	200
Kenwood KX-W4080	160
Kenwood KX-3080	160

Yamaha KX-490	199
Yamaha KX-W392	180
Yamaha KX-390	150
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Technics RS-TR373	200
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TEAC W-780R	170
TEAC V-610	100
TEAC W-416	100
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Sony TC-KE400S	180
Sony TC-WE405	150
Sony TC-KE200	120
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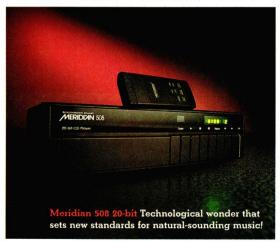
amaha IX-490	199
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&W DR-2	750
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arman/Kardon TD470	450
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/C TD-W718BK /C TD-V662BK	250
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larantz SD-63	300
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AD 613	230
AD 614	270
AD 616	299
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AD TA 6310	330
AD TARW 411	370
nkyo TA-RW311	320
nkyo KR-609	350
nkyo K-W606	370
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ioneer CT-S550S	250
ioneer CT-W803RS	300
ioneer CT-S830S	500
ioneer CT-95	1,000 230
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ony TC-KE600S	300
ony TCK-661S	300
ony TC-KAGES	550
EAC W-850R	250
EAC V-1030	250
EAC W-6000R	450
EAC V-6030S	550
EAC V-8030S	650
echnics RS-TR474	220
echnics RS-AZ6	230
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amaha KX-W592	280
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Denon DCD-825	240
Denon DCD-825	240
Dual CD1135RC	140
Dual CD1150RC	150
Dual CD1000RS	170
Dual CD1180RC	180
Eclipse Model 30	50
Eclipse model 50	60
Eclipse model 101	80
Eclipse CD101	80
Grundig CDII	170
Harman/Kardon HD710	250



JVC XL-V184BK	120	Denon DCD-1015	350
JVC XL-V284BK	140	Grundig CDC14	300
JVC XL-F116BK	180	Harman/Kardon HD7325	299
JVC XL-F216BK	200	Harman/Kardon FL8450	300
IVC XL-V574BK	250	Harman/Kardon HD730	300
Kenwood DP-M5570	250	Harman/Kardon HD7425	349
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Luxman D-322	200	JVC XL-Z674BK	300
Marantz CC-47	250	Micromega Minium	350
NAD 510	199	Musical Fidelity E60	300
NAD 512	250	NAD 513	290
Onkyo DX-710	200	NAD 515	350
Onkyo DX-703	240	NAD 514	370
Philips CD711	120	NAD 517	400
Philips CD721	130	Onkyo DX-7210	260
Pioneer PD-104	130	Onkyo C721	290
Pioneer PD-204	150	Onkyo DX-7510	400
Pioneer PD-M603	200	Onkyo CM716	450
Pioneer PD-S505	200	Orelle CD-100	500
Pioneer PDF-605	230	Pioneer PD-S705	300
Rotel RCD-930AX	180	Pioneer PDF-805	330
Sony CDP-XE200	120	Pioneer PD-F905	400
Sony CDPM-303	130	Pioneer PD-S904	400
Sony CDP-XE300	140	Rotel RCD-965BX	300
Sony CDPCE-105	150	Rotel RCD-970BX	375
Sony CDP-XE500	160	Sony CDP-XE900E	300
Sony CDP-CE405	180	Sony CDPCX-200	380
Sony CDP-XE700E	200	TEAC CD-5	350
Sony CDP-C325M	200	£501 to £10	
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TEAC CD-P1800	130	Arcam Alpha 6	600
TEAC CD-P3450	150	Arcam Delta 250	800
TEAC CD-P3450SE	200	B&W MB-2s	700
TEAC PD-D2200	250	Harman/Kardon HD7625	550
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Krell CD-DSPII 5000	5,000
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Mcintosh MCD7009	2,635
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Meridian 508	1,685
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Theta Data III NTSC/PAL	5,879
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Wadia 8	3,195
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Wadia 8 Wadia 20 XTC CDT-1LE Arcam Black Box 50	4,370 1,250 480
Wadia 8 Wadia 20 XTC CDT-1LE Arcam Black Box 50 Arcam Black Box 500	4,370 1,250 480 750
Wadia 8 Wadia 20 XTC CDT-1LE Arcam Black Box 50 Arcam Black Box 500 Counterpoint DA-10E	4,370 1,250 480 750 1,895
Wadia 8 Wadia 20 KTC CDT-1LE Aream Black Box 50 Aream Black Box 500 Counterpoint DA-10E Linn Numerik	4,370 1,250 480 750 1,895 1,400
Wadia 8 Wadia 20 XTC CDT-1LE Arsam Black Box 50 Arcam Black Box 500 Counterpoint DA-10E Linn Numerik Pink Triangle Ordinal	4,370 1,250 480 750 1,895 1,400 837
Wadia 8 Wadia 20 XTC CDT-1LE Aream Black Box 50 Aream Black Box 500 Counterpoint DA-10E Linn Numerik Pink Triangle Ordinal Pink Triangle DaCapo	4,370 1,250 480 750 1,895 1,400 837 1,400
Wadia 8 Wadia 20 KTC CDT-1LE Aream Black Box 50 Aream Black Box 500 Counterpoint DA-10E Llnn Numerik Pink Triangle Ordinal Pink Triangle DaCapo PS Audio UltraLink 2 HDCD	4,370 1,250 480 750 1,895 1,400 837 1,400 2,590
Wadia 8 Wadia 20 XTC CDT-1LE Aream Black Box 50 Arcam Black Box 500 Counterpoint DA-10E Linn Kumerik Pink Triangle Ordinal Pink Triangle DaCapo PS Audio UltraLink 2 HDCD PS Audio Ref Link	4,370 1,250 480 750 1,895 1,400 837 1,400 2,590 4,550
Wadia 8 Wadia 20 XTC CDT-ILE Aream Black Box 50 Arcam Black Box 500 Counterpoint DA-10E Linn Numerik Pink Triangle Ordinal Pink Triangle DaCapo PS Audio UltraLink 2 HDCD PS Audio Tee Link TEAC D-TI	4,370 1,250 480 750 1,895 1,400 837 1,400 2,590 4,550 500
Wadia 8 Wadia 20 XTC CDT-1LE Aream Black Box 50 Arcam Black Box 500 Counterpoint DA-10E Linn Kumerik Pink Triangle Ordinal Pink Triangle DaCapo PS Audio UltraLink 2 HDCD PS Audio Ref Link	4,370 1,250 480 750 1,895 1,400 837 1,400 2,590 4,550



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Philips DCC170	250
Pioneer D-05	800

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1,800		401
8,068	Sharp MD-MS100H	401
5,000	Sony MDS-SE7	301
5,000	Sony MDSJE-500	301
9,990	Sony MDS-S1	551
4,500	Sony MDS-503	550
1,300	Sony DTCZE-700	699
4,000	Sony MDA-JA3ES	700
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2,635	TEAC R-9	1,200
1,295	AND THE PERSON NAMED IN	
2,495		
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	8,068 5,000 9,990 4,500 1,300 4,000 2,195 2,635 1,295 2,495 1,350 1,685 3,995 4,495 1,365 4,689 1,900 1,499 1,977 3,751 1,595	1,799 1,800 1,800 1,800 8,068 5,000 Sony MDS-SE7 5,000 Sony MDS-SE7 5,000 Sony MDS-503 1,300 4,000 4,000 2,995 2,195 2,635 1,295 2,495 1,395 4,495 1,395 1,685 3,695 4,689 1,900 1,499 1,977 3,751 1,595

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Beyer DT111 Alpha	13
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JVC HA-CD88	18
JVC HA-D525 JVC HA-F65	20 20
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Kenwood KH-757	20
Kenwood KH-959	25
Kenwood KH-1000	25
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Maxell EB-225	7
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Maxell EB-425	10
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Pioneer SE-A20V	23
Pioneer SE-M250	25
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Sennheiser Manhattan	30
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Sony MDR-007-MK2	8
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Sony MDR-A009	12
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Sony MDR-E848 Sony MDR-CD170	20 20
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Sony MDR-CD270 Sony MDR-CD370	30 40
Sony MDR-CD370 Technics RP-HT300	40 40
Sony MDR-CD370 Technics RP-HT300 Vivanco SR60	40 40 3
Sony MDR-CD370 Technics RP-HT300	40 40
Sony MDR-CD370 Technics RP-HT300 Vivanco SR60 Vivanco SR12 Vivanco SR52 Vivanco SR54	40 40 3 3 5 7
Sony MDR-CD370 Technics RP-HT300 Vivanco SR60 Vivanco SR12 Vivanco SR52 Vivanco SR54 Vivanco SR14	40 40 3 3 5 7
Sony MDR-CD370 Technics RP-HT300 Vivanco SR60 Vivanco SR12 Vivanco SR52 Vivanco SR54	40 40 3 3 5 7
Sony MDR-CD370 Technics RP-HT300 Vivanco SR60 Vivanco SR12 Vivanco SR52 Vivanco SR54 Vivanco SR14 Vivanco SR16 Vivanco SR120 Vivanco SR120 Vivanco SR250	40 40 3 3 5 7 7 8 15 19
Sony MDR-CD370 Technics RP-HT300 Vivanco SR60 Vivanco SR12 Vivanco SR52 Vivanco SR54 Vivanco SR14 Vivanco SR16 Vivanco SR120 Vivanco SR250 Vivanco SR250 Vivanco SR150	40 40 3 3 5 7 7 8 15 19 20
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Sony MDR-CD370 Technics RP-HT300 Vivanco SR60 Vivanco SR12 Vivanco SR52 Vivanco SR54 Vivanco SR14 Vivanco SR14 Vivanco SR16 Vivanco SR120 Vivanco SR250 Vivanco SR250 Vivanco SR200 Vivanco SR300 Vivanco SR300	40 40 3 3 5 7 7 8 15 19 20 25 30
Sony MDR-CD370 Technics RP-HT300 Vivanco SR60 Vivanco SR12 Vivanco SR52 Vivanco SR54 Vivanco SR14 Vivanco SR16 Vivanco SR120 Vivanco SR120 Vivanco SR150 Vivanco SR250 Vivanco SR200 Vivanco SR200 Vivanco SR300	40 40 3 3 5 7 7 8 15 19 20 25
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Sony MDR-CD370 Technics RP-HT300 Vivanco SR60 Vivanco SR12 Vivanco SR52 Vivanco SR54 Vivanco SR14 Vivanco SR14 Vivanco SR16 Vivanco SR120 Vivanco SR250 Vivanco SR250 Vivanco SR250 Vivanco SR300 Vivanco SR300 Vivanco SR300 Vivanco SR300 AKG K222IR AKG K222IR AKG K444IR AKG K444IR AKG K444IR AKG K444IR AKG K44000 Audio Technica ATH910PRO Beger D7311	40 40 3 3 5 7 7 8 15 19 20 25 30 150 180 700 90 57
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200 170

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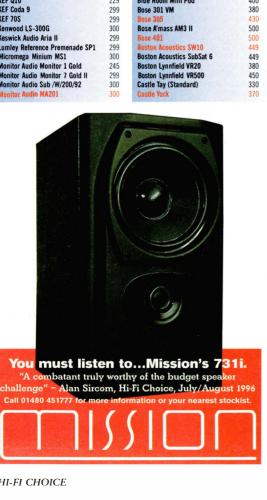
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233	Janio 4
	Jamo Co
330	Jamo Si
380	JBL TLX
420	JBL TLX
420	JBL TLX JBL TLX JBL TLX JBL TLX
329	JBL TLX
499	JPW Ru
400	KEF Q30
400	Keswick
500	Keswick
500	Linn Se
500	Linn Tul
400	Lumley
450	Lumley
475	Lumley
400	Lumley
380	Mission
430	Mission
	WI221011
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330	Monitor
370	Mordau
	Musica
	NAD 804
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	Origin L Ortofon Pentach
	Origin L

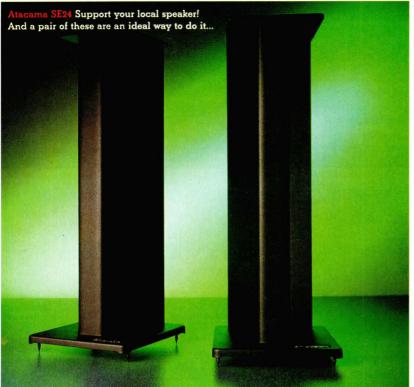


Castle Eden (STD)	430
Castle Severn Celestion Impact 25	500 399
Celestion Style 4	399
Celestion Style 3 Celestion Impact 30	399 429
Celestion SL6Si	429 449
Celestion CS6i Celestion CS8i	499
Cerwin Vega VS10 Clements 300si	350 395
Dali 104B	370
Dawn Audio Chorus BS Epos ES12	482 499
Faraday SG Faraday Siren	345 445
Fullers Sultan	349
Fullers Sultan H.E. GLL Imagio IC120	475 420
Grundig BX3 Mk II Heybrook Heylios	350 339
Heybrook Trio	373
Heybrook Heylo Heybrook Heystak	389 499
Infinity SM105 Infinity SM115	350 450
Infinity SSW-10 Sub	500
Jamo 407A Jamo 98	350 360
Jamo Classic 6 Jamo BX-100A	360 370
Jamo D-365B	400
Jamo THX Sub One Jamo THX LCR One	400 400
Jamo Graphic Jamo Classic 8	400 430
Jamo BX-150A	460
Jamo 128 Jamo 477A	500 500
Jamo Concert Centre Jamo Silhouette	500 500
JBL TLX151	350
JBL TLX70 JBL TLX161	400 400
JBL TLX171 JPW Ruby 1	500 500
KEF Q30	379
Keswick Audio Aria II Keswick Audio Centrale	329 359
Linn Sekrit Passive Linn Tukan Passive	350 500
Lumley Reference LM4	375 399
Lumley Reference Premenade SP2 Lumley Reference LM5	499
Lumley Reference Premenade SP3 Mission 733	499 330
Mission 751 Freedom Mission 734	348 499
Monitor Audio Monitor 9 Gold II	350
Monitor Audio MA302 Monitor Audio MA202	400 450
Monitor Audio MA303 Monitor Audio Monitor 14 Gold II	500 500
Monitor Audio MA700 PMC	500
Mordaunt-Short MS40i Musical Technology Harrier	450 400
NAD 804 Neat Critique	400 445
Neat Acoustics Critique	385
Origin Live OL-1AS Origin Live Monarch	399 399
Origin Live OL-2A Ortofon Concord 6	470 330
Pentachord A Pioneer S-80	469 370
	500
Pioneer S-LC2	400
Pioneer S-LC2 Polk RT8 Polk LS f/x Surround	449
Polk RT8 Polk LS f/x Surround Polk RT10	500
Polk RT8 Polk LS f/x Surround Polk RT10 Prof Monitor Co TB1S Prof Monitor Co TB1SM	500 366 403
Polk RT8 Polk LS 1/x Surround Polk RT10 Prof Monitor Co TB1S	500 366
Polk RTB Polk RTJ Polk RTJO Prof Monitor Co TB1S Prof Monitor Co TB1SM Prof Monitor Co TB1SM Prof Monitor Co TB1M Prof Monitor Co TB1M	500 366 403 410 447 499
Polk RT8 Polk LS I/s Surround Polk RT10 Prof Monitor Co TB1S Prof Monitor Co TB1SM Prof Monitor Co TB1 SM Prof Monitor Co TB1 M Prof Monitor Co TB1 M Prof Monitor Co XB1 QLN Projekt B4 QLN Projekt B3ii	500 366 403 410 447 499 320 329
Polk RTB Polk RTO Polk RTIO Prof Monitor Co TB1S Prof Monitor Co TB1SM Prof Monitor Co TB1SM Prof Monitor Co TB1M Prof Monitor Co TB1M Prof Monitor Co XB1 QLN Projekt B4 QLN Projekt B3ii QLN Projekt C3 QLN Projekt B MULTI	500 366 403 410 447 499 320 329 330 330
Polk RTB Polk LTS //x Surround Polk RTIO Prof Monitor Co TB1S Prof Monitor Co TB1SM Prof Monitor Co TB1 BP Prof Monitor Co TB1 M Prof Monitor Co TB1 M QLN Projekt B4 QLN Projekt B3ii QLN Projekt C3	500 366 403 410 447 499 320 329 330
Polk RT8 Polk LTS //x Surround Polk RTIO Prof Monitor Co TB1S Prof Monitor Co TB1SM Prof Monitor Co TB1SM Prof Monitor Co TB1M Prof Monitor Co TB1M Prof Monitor Co XB1 QLN Projekt B4 QLN Projekt B3ii QLN Projekt C3 QLN Projekt C3 QLN Projekt C3 QLN Projekt C3i QLN Qubic 222	500 366 403 410 447 499 320 329 330 330 360 370 400
Polk RT8 Polk LS I/x Surround Polk RT10 Prof Monitor Co TB1S Prof Monitor Co TB1SM Prof Monitor Co TB1 M Prof Monitor Co TB1 M Prof Monitor Co XB1 QLN Projekt B4 QLN Projekt B3ii QLN Projekt B3ii QLN Projekt B3ii QLN Projekt D3 QLN Projekt D3 QLN Projekt C3i QLN Projekt C3i QLN Projekt C3i QLN Projekt C3i QLN Projekt C3ii	500 366 403 410 447 499 320 329 330 330 360 370 400 400
Polk RT8 Polk LS 1/x Surround Polk RT10 Prof Monitor Co TB1S Prof Monitor Co TB1SM Prof Monitor Co TB1SM Prof Monitor Co TB1M Prof Monitor Co TB1M Prof Monitor Co XB1 QLM Projekt B4 QLM Projekt B3ii QLM Projekt C3 QLM Projekt D3 QLM Projekt D3 QLM Projekt C3i QLM QLM C3i	500 366 403 410 447 499 320 329 330 330 360 370 400
Polk RT8 Polk LS I/x Surround Polk RT10 Prof Monitor Co TB1S Prof Monitor Co TB1SM Prof Monitor Co TB1 M Prof Monitor Co TB1 M Prof Monitor Co TB1 M Prof Monitor Co XB1 QLN Projekt B3ii QLN Projekt B3ii QLN Projekt B3ii QLN Projekt B3ii QLN Projekt C3i QLN Projekt C3iii QLN Projekt C3iiii QLN Projekt C3iii QLN Projekt C3iiii QLN Projekt C3iii	500 366 403 410 447 499 320 329 330 360 370 400 400 400 400 440 440
Polk RT8 Polk LS 1/x Surround Polk RT10 Prof Monitor Co TB1S Prof Monitor Co TB1SM Prof Monitor Co TB1SM Prof Monitor Co TB1 M Prof Monitor Co TB1 M Prof Monitor Co XB1 QNP Projekt B4 QNP Projekt B4 QNP Projekt B3ii QNP Projekt B MULTI QNP Projekt B3 QNP Projekt C3i QNP Projekt C3ii QNP Projekt C3iii	500 366 403 410 447 499 320 329 330 360 370 400 400 400 440 440 440 440 470
Polk RT8 Polk LS 1/x Surround Polk RT10 Prof Monitor Co TB1S Prof Monitor Co TB1SM Prof Monitor Co TB1SM Prof Monitor Co TB1M Prof Monitor Co TB1M Prof Monitor Co XB1 QLN Projekt B3ii QLN Projekt B3ii QLN Projekt B3ii QLN Projekt B3ii QLN Projekt C3i QLN Projekt C3i QLN Qubic 222 QLN Projekt C3iii QLN Projekt C3iii QLN Projekt C3iii QLN Projekt C3iii QLN Projekt C4 QLN Projekt C4 QLN Projekt C4	500 366 403 410 447 499 320 329 330 360 370 400 400 400 440 440 440
Polk RT8 Polk LS 1/x Surround Polk RT10 Prof Monitor Co TB1S Prof Monitor Co TB1SM Prof Monitor Co TB1SM Prof Monitor Co TB1 M Prof Monitor Co TB1 M Prof Monitor Co XB1 QNP Projekt B4 QNP Projekt B4 QNP Projekt B3ii QNP Projekt B MULTI QNP Projekt B3 QNP Projekt C3i QNP Projekt C3ii QNP Projekt C3ii QNP Projekt C3ii QNP Projekt C3iii QNP Projekt C4 QNP Projekt C3iii QNP Projekt C4 QNP Projekt C3iii QNP Projekt C3iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	500 366 403 410 447 499 320 339 330 360 370 400 400 400 440 440 440 470 480 500 498
Polk RT8 Polk LS 1/x Surround Polk RT10 Prof Monitor Co TB1S Prof Monitor Co TB1SM Prof Monitor Co TB1 M Prof M CO TB1 M Pro	500 366 403 410 447 499 320 329 330 330 360 370 400 400 400 440 440 440 440 440 500

Rogers LS55	429
logers LS55	429
togers Studio 3 Royd The Squire	499 350
Royd Doublet	450
Ruark Swordsman Plus II Ruark Icon	329 359
Ruark Sabre II	449
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Spendor 2020	399
annoy Subsat3 annoy 636	399 419
annoy 625	450
annoy 637 DL RTL 3	499
DL RTL 3	400
echnics SB-M300 echnics SB-M500	350 450
Totem Mite	495
riangle Titus TZe Friangle Comete TZe	349 499
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Jkd-Opera Opera I /isonik TB1S	450 366
Wharfedale Modus MFM3	350
Wharfedale Modus Music Eight	360 460
Wharfedale Modus MSC One-Six £501 to £800	400
Acoustic Energy AE1-II Allison RA LABS HTS Two	795 509
Allison Model 3A	525
Allison CD8	550
Allison AL125 Allison AL130	650 800
Audio Gem Emerald	540
Avanti C6/20 Avanti C6/25	533 763
8&W CDM1	600
8&W P4 Bandor Loudspeakers Trident	675 720
Bbc Monitors LS3/5a	699
Bose SE-5 Ser II System Bose A'mass AM511	760 800
Boston Acoustics SubSat 7	549
Boston Lynnfield VR30 Canon V-200	600
Castle Avon	700
Castle Chester Castle Harlech	700 799
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Celestion 100 Celestion Impact 40	539 629
Celestion Impact 45i	670
Cerwin Vega VS12 Cerwin Vega VS15	550 700
Clements 600si	595
Dawn Audio Chorus FS Dos ES14	698 675
Faraday FS10	795
ullers Sultan H.E. ullers Pharaoh 1	625 749
GLL Imagio IC130	530
larbeth BBC LS3/5A larbeth HL-P3ES	699 799
leybrook Quartet	575
nfinity SM125 nfinity SM155	550 650
amo BX-200A amo THX Surr One	550
amo THX Surr One amo Classic 10	550 700
amo 507A	800
BL TLX181 ordan Watts JH200	510
ordan Watts JHFLG	560
PW Ruby 2 CEF Q50	700 529
KEF LS3/5a	649
KEF Q70 Keswick Audio Volante	729 599
Keswick Audio Volante Linaeum LFX Wood	629
inaeum LFX Wood inn Keilidh Passive	649 700
umley Reference LM6	650
umley Reference Premenade SP4	650
Manticore Minaret Meridian A500	580 695
Mission 752	578 650
Mission 735 Mission 753 Freedom	798
Monitor Audio Studio 2	600
Monitor Audio 702PMC Monitor Audio MAG901	799 800
Monitor Audio MAG901 Mordaunt-Short MS50i	550
laim Audio INTRO laim Audio NA PXO3	596 705
laim Audio S-NAXO 3-6	719
laim Audio S-NAXO 2-4 leat Petite	719 595
leat Mystique	650
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Origin Live Victory	750
Pentachord B Pentachord Pentode	519 729
Pioneer S-200	600
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Polk LS50 Proac Response CC One	800 599
Proac Tablette 50	599
Proac Studio 100	699
QLN 313 QLN 929	600 700
QLN Classic One	800
Quad Q7710L	600
Rogers AB1 Rogers LS3/5A	549 699
Rogers Studio 5	699
Roksan Roksan 1 Roksan Ojan 3S	595 795
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Royd Abbot Ruark Talisman II	665 749
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Silverado Raider	695
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Spendor LS3/5A	630
Spendor SP3/1	795
Tannoy 638 Tannoy D100	599 649
TDL T-Line 2	550
TDL RTL4 TDL T-Line3	650 750
Totem Rokk	695
Triangle Zephyr	749
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ATC SCM10 ATC SCM20	1,000 1,500
Audio Physic Step	1,299
Audiovector 2X Audiovector 3X	850 1,500
Avanti C6/28	1,303
B&W P5	875 995
B&W Matrix 805 V B&W DM604	1,000
B&W P6	1,095
Bandor Loudspeakers Bandora Bandor Loudspeakers Mora	1,140 1,260
Bang & Olufsen Beolab 4500	1,200
Bang & Olufsen Beolab 6000	1,450
Blue Room House Pod Blue Room Techno Pod	895 1,295
Bose A'mass AM7	900
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Cerwin Vega 1515	1,300
Chord SysAudio Sig Clements Reference 1	850 995
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Fullers Pharaoh 2	1,400
Gamma Acoustics Epoch Five Harbeth HL-K6	1,499 975
Harbeth BBC LS5/12A	1,259
Harbeth HL-Compact 7 Heybrook Sextet	1,329
Impulse Kora	1,129
Infinity Kappa 6.1i	995
Infinity Kappa 7.1i Jamo 707i	1,195
Jamo Concert 8	1,300
	850
JBL L20	1 1000
JBL L20 JBL L40	
IBL L20 IBL L40 IBL L60 IBL L80	1,100 1,200 1,300
JBL L20 JBL L40 JBL L60 JBL L80 JBL L90	1,200
JBL L20 JBL L80 JBL L80 JBL L80 JBL L80 Jordan Watts JH400 Jordan Watts JH400	1,200 1,300 1,300 820 970
IBL L20 IBL L40 IBL L60 IBL L80 IBL L90 Jordan Watts JH400 JORDAN WATTS JH400M JPW Ruby 3	1,200 1,300 1,300 820 970 1,000
JBL 120 JBL 140 JBL 150 JBL 190 JORdan Watts JH400 Jordan Watts JH400M JPW Ruby 3 JPW Ruby 4 KEF Model One	1,200 1,300 1,300 820 970 1,000 1,300
IBL L20 IBL L40 IBL L60 IBL L80 IBL L80 IBL L90 IBL L90 Iordan Watts JH400 Iordan Watts JH400M JPW Ruby 3 IPW Ruby 4 KEF Model One KEF Model Two	1,200 1,300 1,300 820 970 1,000 1,300 1,099 1,499
IBL L20 IBL L40 IBL L50 IBL L80 IBL L90 Iordan Watts JH400 JOPWA Watts JH400M JPW Ruby 3 IPW Ruby 4 KEF Model One KEF Model Two Keswick Audio Torino	1,200 1,300 1,300 820 970 1,000 1,300 1,099 1,499 899
JBL L20 JBL L40 JBL L50 JBL L50 JBL L50 JBL L50 JOrdan Watts JH400 Jordan Watts JH400M JPW Ruby 3 JPW Ruby 4 KEF Model One KEF Model Two Keswick Audio Torino Keswick Audio Figare Evolution Keswick Audio Figare Evolution	1,200 1,300 1,300 820 970 1,000 1,300 1,099 1,499 899 1,099
IBL L20 IBL L40 IBL L50 IBL L50 IBL L50 IBL L50 Jordan Watts JH400 Jordan Watts JH400M JPW Ruby 3 JPW Ruby 4 KEF Model One KEF Model Two Keswick Audio Torino Keswick Audio Tigaro Evolution Keswick Audio Milano Keswick Audio Alto	1,200 1,300 820 970 1,000 1,300 1,099 1,499 899 1,099
IBL L20 IBL L40 IBL L60 IBL L80 IBL L90 IBL L90 Iordan Watts JH400 Iordan Watts JH400M IPW Ruby 3 IPW Ruby 4 KEF Model One KEF Model Two Keswick Audio Torino Keswick Audio Figaro Evolution Keswick Audio Alto Keswick Audio Amber Linn Sekrit Aktiv	1,200 1,300 820 970 1,000 1,300 1,099 1,499 899 1,099 1,299 1,399 850
JBL L20 JBL L40 JBL L50 JBL L50 JBL L50 JORDAN WAITS JH400 JORDAN WAITS JH400 JORDAN WAITS JH400M JPW Ruby 3 JPW Ruby 4 KEF Model One KEF Model Two Keswick Audio Torino Keswick Audio Milano Keswick Audio Milano Keswick Audio Alto	1,200 1,300 820 970 1,000 1,300 1,099 1,499 899 1,099 1,299 1,399 850
JBL 120 JBL L60 JBL L80 JBL L80 JBL L80 JOR'DAM Watts JH400 JOR'DAM Watts JH400M JPW Ruby 3 JPW Ruby 4 KEF Model Two Keswick Audio Torino Keswick Audio Figaro Evolution Keswick Audio Milano Keswick Audio Alto Keswick Audio Alto Keswick Audio Alto Keswick Audio Amber Linn Sekrit Aktiv Linn Tukan Aktiv Linn Keilidh Aktiv	1,200 1,300 1,300 820 970 1,000 1,300 1,099 1,499 899 1,099 1,299 1,399 850 1,000 1,200
IBL L20 IBL L40 IBL L60 IBL L80 IBL L80 IBL L90 IBL L90 IDO'ADA WAITS JH400 IDO'ADA WAITS JH400 IDO'ADA WAITS JH400M IPW Ruby 3 IPW Ruby 4 KEF Model One KEF Model Two Keswick Audio Torino Keswick Audio Figaro Evolution Keswick Audio Milano Keswick Audio Milano Keswick Audio Alto Keswick Audio Alto Keswick Audio Alto Keswick Audio Alto Linn Sekrit Aktiv Linn Tukan Aktiv Linn Tukan Aktiv Linn Weise Auditorium Lumby Reference LM3	1,200 1,300 1,300 820 970 1,000 1,300 1,499 899 1,099 1,299 1,399 850 1,000 1,200
JBBL 120 JBL L80 JBL L80 JBL L80 JBL L80 JBL L80 JORDAN WAITS JH400 KEF Model Two Keswick Audio Torino Keswick Audio Tigaro Evolution Keswick Audio Alto Lunn Fy Reference LM3 Lumley Reference LM3 Lumley Reference LM3.	1,200 1,300 1,300 820 970 1,000 1,300 1,499 899 1,099 1,299 1,399 850 1,000 1,200 1,200 1,200
IBL L20 IBL L40 IBL L60 IBL L80 IBL L80 IBL L80 IBL L80 IBL L90 Iordan Watts JH400 Iordan Watts JH400 Iordan Watts JH400 Iordan Watts JH400M IPW Ruby 3 IPW Ruby 4 KEF Model One KEF Model Two Keswick Audio Torino Keswick Audio Figaro Evolution Keswick Audio Alto Linn Tukan Aktiv Linn Fulkan Aktiv Linn Kelidih Aktiv Living Voice Auditorium Lumley Reference LM3. Lumley Reference LM3. Lumley Reference LM3. Magnepan SMG-C SE Magnepan MG-O.6 SE	1,200 1,300 1,300 820 9700 1,000 1,300 1,099 1,499 899 1,099 1,299 1,399 850 1,000 1,200 1,300 895 1,050 990 1,370
JBL L20 JBL L40 JBL L50 JBL L50 JBL L50 JORDAN WAITS JH400 JORDAN WAITS JH400 JORDAN WAITS JH400M JPW Ruby 3 JPW Ruby 4 KEF Model One KEF Model Two Keswick Audio Torino Keswick Audio Milano Keswick Audio Milano Keswick Audio Alto	1,200 1,300 1,300 820 970 1,000 1,300 1,099 1,499 899 1,099 1,299 1,399 850 1,000 1,300 895 1,050 990







Sonus-Faber M Amator

Spendor 2040

Thiel CS-5	1,499
Totem Model One	1,195
Triangle Antal	1,099
Ukd-Opera Callas II	895
Ukd-Opera Callas II	950
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Ukd-Opera Callas Gold	1,050
Ukd-Opera Divina II	1,500
Vandersteen 2Ce	1.395
Visonik LB1	935
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Acoustic Energy AE1 Sig	1,695
Acoustic Energy AE2 Sig	2,695
Allison I.C. 10	2,500
ATC SCM20 Tower	1,999
Audio Physic Spark 2	1,749
Audio Physic Tempo	1,999
Audiovector 5	2,500
B&W Matrix 804	1,595
B&W Matrix 803s2	1 005
	1,995
B&W Matrix 802s3	2,795
	2,795
B&W Matrix 802s3	2,795
B&W Matrix 802s3 Bandor Loudspeakers Bandora/Mora	2,795 2,800

Technics SB-M1000

Bbc Monitors LS5/9

Bravura Virtuoso

Boston Acoustics Lynfield 300L

Thiel 2

1,470

1,500

1,499

1,531

2.995



1.498 899

930

Celestion Kingston	2,500
Chord LS5/12A	1,593
Chord CEL 301	2,130
Chord CEL 201	2,840
Clements Reference 7	1,995
Credo SPB 003	1,820
Credo SPB 009	2,453
Dawn Audio Symphony ECA Servo A.2	1,995 2,450
EDOS ES25	1,655
Fullers Pharaoh 3	2,800
Fullers Sphinx 2	3,000
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Jamo THX System	2,500
JBL Ti 1000	1,600
JBL L100	1,800
JBL Ti 2000	2,000
JBL Ti 3000	2,700
Jordan Watts JH1+1 Aspect	1,730
Jordan Watts JH1+1 Aspect K	2,310
Jordan Watts Aspect JH1+1 KEF 104/2 REC	2,745 1,799
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Linn Kaber Passive	1,800
Linn Kaber Aktiv	2,440
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Lowther Academy	2,399
Lowther Bel Canto	2,699
Lumley Reference LM2 Lumley Reference L/M 2	2,500 2,795
Magnepan MG-10 SE	1.650
Magnepan MG-1.5 SE	1,780
Magnepan MG-2.7 SE	2,650
Magneplanar MG-10 SE	1,650
Magneplanar MG-1,5 SE	1,780
Magneplanar MG-2,7 SE	2,650
Martin-Logan Aerius Martin-Logan Stylos	2,288
Monitor Audio Studio 20SE	2,200
Mordaunt-Short Performance 860	1,895
Mordaunt-Short Performance 880	2,795
Naim Audio SBL Active	1,743
Naim Audio SBL Passive	1,876
Neolith NEO 1	2,999
Origin Live Conqueror	1,600
Pentachord P'column Polk LS90	1,649 1,700
Posselt Albatros	2,200
Proac Response 2S	2,000
Proac Studio 250	2,249
Proac Response 2.5	2,700
QLN Reference	2,000
QLN Ref HDII	2,500
Rehdeko RK115	1,550

Rehdeko RK125	2,750
Rogers LS5/9 Rogers Studio 9	1,531 1,549
Ruark Crusader II	1,599
Ruark Equinox Ruark Accolade	1,849 2,699
SD Acoustics SD1E	2,995
Shahinian Arc Shahinian Obelisk	1,675 2,490
Silverado Silverado 1	1,995
Sonus-Faber Electa Sonus-Faber Amator	1,790 2,992
Spendor SP7/1	1,990
Spendor SP100 Tannoy Sterling TW	2,030 1,750
Tannoy D700	2,100
Tannoy Edinburgh TW TDL Studio Monitor m	2,700 2,449
TDL Studio Thiel CS2.2	2,450 2,749
Totem Mann-2	2,795
Triangle Zays Triangle Altinis	1,650 2,250
Triangle Extan	2,950
Ukd-Opera Caruso II	2,250
Over £3000	7.005
Acoustic Energy AE5 Allison I.C. 20	7,995 5,500
ATC SCM50 ATC SCM100	3,499
ATC SCM50A	4,149 4,999
ATC SCM100A	5,699 3,199
Audio Physic Virgo 2 Audio Physic Terra	3,499
Audio Physic Terra Audio Physic Avanti 2 Audio Physic Caldera	6,399 9,999
Audiovector 6	4,600
B&W Matrix 801s3 B&W Silver Signature	3,795 5,000
Boston Acoustics Lynfield 500L	4,449
Boston Lynnfield 500L Chord LF5,12	4,500 3,620
Credo SPB 012	3,147
Credo SDP Credo SDL 001	5,353 5,677
Definitive BP2000	3,600
Impulse Ta'us Infinity ARS Epsilon	3,100 9,995
Jamo Oriel	7,000
JBL S2600 JBL Ti 5000	3,500 3,700
Jordan Watts JH2K Jordan Watts Classic JH2KM	3,230 4,250
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Jordan Watts Classic JH5KM Jordan Watts Classic JH10K	5,860 9,340
KEF 107/2 REC	3,999
Keswick Audio Zero2 Linn Keltik Aktiv	6,000 4,400
Living Voice RW24 Basebin sys	9,500
Lowther Delphic Lumley Reference L/M 2 Signature	3,999 4,500
Lumley Reference LM1	8,500
Magnepan MG-3.5 SE Magneplanar MG-3,5 SE	3,800 3,800
Martin-Logan Sequel SL3 Martin-Logan Sequel II	3,349 3,399
Martin-Logan CLS IIz	4,555
Martin-Logan Quest Z Martin-Logan Monolith IIIP	5,350 8,730
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Monitor Audio Studio 60	7,000
Naim Audio DBL Active Neolith NEO 2	7,414 3,499
Neolith NEO 3	4,999
Proac Response 3.5	4,250 4,370
Prof Monitor Co MB1	
Prof Monitor Co MB1 Prof Monitor Co MB1P	4,681
Prof Monitor Co MB1P Prof Monitor Co BB5	6,270 6,754
Prof Monitor Co MB1P Prof Monitor Co BB5 Prof Monitor Co BB5P QLN Artec 1600	6,270 6,754 4,500
Prof Monitor Co MB1P Prof Monitor Co BB5 Prof Monitor Co BB5P	6,270 6,754
Prof Monitor Co MB1P Prof Monitor Co BB5 Prof Monitor Co BB5P QLN Artec 1600 Quad £51.63 Rehdeko RK145 Rehdeko RK175	6,270 6,754 4,500 3,450 4,250 7,750
Prof Monitor Co MB1P Prof Monitor Co BB5 Prof Monitor Co BB5P QLN Artec 1600 Quad ESL63 Rehdeko RK145 Rehdeko RK175 Shahinian Hawk Shahinian Diapason	6,270 6,754 4,500 3,450 4,250 7,750 4,950 8,350
Prof Monitor Co MB1P Prof Monitor Co BB5P Prof Monitor Co BB5P QLN Artec 1600 Quad £S1.63 Rehdeko RK1.45 Rehdeko RK1.75 Shahinian Hawk Shahinian Diapason Sonus-Faber Extrema	6,270 6,754 4,500 3,450 4,250 7,750 4,950 8,350 5,991
Prof Monitor Co MB1P Prof Monitor Co BB5 Prof Monitor Co BB5P QLN Artec 1600 Quad ESL63 Rehdeko RK145 Rehdeko RK175 Shahinian Hawk Shahinian Diapason	6,270 6,754 4,500 3,450 4,250 7,750 4,950 8,350

Tannoy Canterbury 15 ^
TDL Ref Standard-m

Triangle Nemo Altiar Wilson WAP Puppy II

Wilson Puppy 5 Wilson WATT 5

Thiel CS3.6

7,000

4,999

3,899

3.850 5,600

7,290 8,800

8,88



 Dedicated Centre S 	Speaker
B&W CC3	150
B&W CC6	200
Boston Acoustics 404V	100
Boston Acoustics CR1	100
Boston Acoustics Centre 6	130
Boston Acoustics Centre 7	200
Boston Acoustics VR12	300
Canon S-C10	129
Canon S-C20	199
Celestion Centre 2	189
Jamo Centre 50.II	80
Jamo Centre 40	100
Jamo Centre 100.II	130
Jamo Centre 18	150
Jamo Centre 160	180
Jamo Centre 200	200
IBL MR Centre	100
JBL SC305	150
KEF 80C	129
KEF 200C	699
Kenwood CS-6	150 359
Keswick Audio Centrali	
Martin-Logan Logos Meridian M60C	1,949 1.125
Meridian M60C Meridian DSP5000C	1,125
Meridian DSP6000C	4.900
Mission 75C	248
Monitor Audio CC200	200
Monitor Audio CC900	400
Polk CS200	170
Polk RM2500C	249
Polk CS250	250
Polk CS350	450
Rogers C33	222
Royd AV77	250
Sony SS CN15	40
Sony SS CN35	70
Sony SS CN65ES	130
Triangle Sat 1	375
Yamaha NS-C60	60
Yamaha NS-C105	80
Yamaha NS-C150	110
ZYP A1TAV	109

Dedicated Surround	Speaker
B&W SCM8	550
Boston Acoustics CRX	200
Boston Acoustics VRS	429
Boston Acoustics 575X	450
Canon V-100	210
Jamo Surround 40	60
Jamo Surround rear	60
Jamo Surround 50	70
Jamo Surround 100	90
Jamo Surround 200	180
Jamo Surround 300	280
Kenwood RS-05	80
Kenwood CM-5ES	80
Kenwood CM7ES	100
Martin-Logan Stylos	2,872
Musical Technology Merlin	200
Musical Technology HOBBY	250
Musical Technology Osprey	250
Polk M3 II	220
Polk M5	300
Polk LS f/x Surround	449
Sony SS SR65ES	170
Triangle SAT II	250

Subwoofer	
Aiwa TS-W9	170
B&W Solid Powerbass	300
B&W AS6	500
B&W PCS8	750
B&W 800ASW	1,500
Boston Acoustics VR500	450
Boston Acoustics SW10	450
Boston Acoustics 595X	455
Canon S-B20	200
Canon VSB-100	250
Credo SDC 001	3,054
Jamo SW25	140
Jamo SW170.II	240
Jamo SW200.II	300
Jamo SW400E	330
Jamo SW300.II	370
Jamo SW505E	400
Jamo SW600E	530
JBL PS60	399



	No.
JPW Satellites	80
JPW Subwoofer	130
JVC SX-SC1VBK	60
KEF Model 20B	349
KEF 30B	499
KEF 40B	759
KEF AV1	2,499
Kenwood SW500	250
Linn Sekrit	298
Linn 5150	2,850
Meridian Sub 1	1,500
Meridian M2500	1,595
Mission 73PS	180
Mission 73AS	450
Mission 75AS	550
Polk PSW100	500
Polk PSW300	750
REL Strata 2	575
REL Storm	700
REL Stadium II	1,000
REL Stentor2	1,800
REL Studio2	4,000
Rogers AB33	379
Rogers ASB60	469
Solid Powerbass	300
Solid Verticale	400
Sony SA W101	230
Sony SA W301	330
Tannoy 625ALF	595
Triangle SATIII	650
Yamaha YST-SW40	140
Yamaha YST-SW80	180
Committee of the Commit	

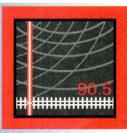


Air Tangent Ref. Sig.	11,000
Audiomeca SL5	1,999
Decca LI Arm '	49
Decca LIR Arm	99
Dynavector 507	2,200
Graham 1.5T	2,550
Helius Orion 4 Copper	549
Helius Orion 4 Silver	725
Helius Cyalene 2	1,495
Linn Akito	350
Linn Ekos	1,500
Manticore Musician	425
Manticore Magician1	750
Manticore Magician2	850
Moth Arm	95
Moth MkIII	146
Naim Audio ARO	992
Nottingham Analogue Space	350
Nottingham Analogue Mentor	750
Nottingham Analogue Alien	1,200
Rega RB250	109
Rega RB300	174
Rega RB900	598
Roksan Tabriz	320
Roksan Tabriz Zi	420
Roksan Artemiz	895
SME 3009 Ser II Imp	250
SME 3009 S2 Ser II Imp	273
SME Series II 3009-R	416
SME Series II 3010-R	426
SME Series II 3012-R	458
SME Series 300-309	558
SME Series 300-310	571
SME Series 300-309Gold	642
SME Series 300-312	649
SME Series IV	796
SME 300-309 Gld Pltd	1,024
SME Series IV Gld Pltd	1,261
SME Series V Gld Print	1,361

SME Series V Gold Pltd Townshend Excalibur Wilson Benesch ACT1

Zeta AS

Air Tangent Tangent 10B



TUNERS	
Arcam Alpha 7	230
Arcam Alpha 8	280
Arcam Delta 280	399
Audiolab 8000T	800
Aura TU80	350
AVI S2000MT	599
B&W ST-3s	350
Day Sequerra FM Ref	5,937
Day Sequerra S B'dcast Mon	14,640
Denon TU-260L	120
Denon TU-215RD	150
Denon TU-380RD	200
Grundig T12	170
Harman/Kardon TU930	180
Harman/Kardon TU950	200
Harman/Kardon TU9400	299
Kenwood KT-2080	130
Kenwood KT-3080	180
Linn Kudos Sneaky	500
Linn Kudos	775
Linn Kremlin	2,600
Luxman T-353	200
Marantz ST-57	150
Marantz ST-65 Mcintosh MR7084	200
Meridian 504	1,550
Meridian 504 Meridian 604	695
Michi RHT-10	1,350
	895
Micromega Minium FM	300 700
Micromega Tuner	400
Mission Cyrus FM7	300
Musical Fidelity E50	499
Musical Fidelity E500	499





TURNTABLES		
Up to £500		
Akai AP A950	179	
Ariston Pro-1200	160	
Dual CS3700/3701	85	
Dual CS435	130	
Dual CS503-2	170	
Dual 505-4 UK	200	
Dual CS750-1	350	
Dual Golden II	500	
Genexxa Lab-710	60	
Genexxa Lab-810	70	
Grundig TT1	180	
Kenwood KD-492F	100	
Michell Mycro	435	
Moth Alamo	175	
Moth Turntable	199	
Moth Kanoot Mki Arm	249	
Moth Kanoot MkIII Arm NAD 533	299 220	
Pioneer PL-J2500-C	80	
Pioneer PL-J2500-C	120	
Pioneer PL-225 Pioneer PL-990	130	
Pioneer PL-335	150	
Pro-Ject 0.5 (OM10)	160	
Pro-Ject 1(510)	200	
Pro-Ject Project 2 MC10	300	
Pro-Ject Project 6(MC15)	450	
Rega Planar 78	214	
Rega Planar 2	214	
Rega Planar 3	274	
Rega Planar 3 Colour	289	
Roksan Radius3	470	
Sony PS-LX56	70	
Sony PSLX-150H	90	

Sony PS-J10	90
Sony PSLX-300H Systemdek I/920	150 136
Systemdek (IX/900	230
Systemdek I/920/Moth	235
Systemdek IIXE/900Ap	388
Systemdek 960	500
Technics SL-BD20	160
Technics SL-BD22	180
Technics SL-1210MkII Technics SL-1200MkII	500
Thorens TD-180 AT91	190
Thorens TD-180/S500	200
Thorens TD-280 IV/UK	200
Thorens TD-166 VI/UK/BC	200
Thorens TD-280 IV UK AT95E	209
Thorens TD-180 Stanton 500	219
Thorens TD-166 VI/UK/AT Thorens TD-166 VI/UK/RB	270 300
Thorens TD166 VI REGA 250	400
Thorens TD-31III TP50	500
Over £500	
Audiomeca Romance	1,675
Audiomeca J1 Audiomeca J1/SL5	2,500 4,250
Basis Basis 2001	2,750
Basis Ovation II	4,800
Basis Debut Gold Std III	7,200
Basis Debut Gold Vacuum	9,250
DNM Rota 2	4,800
Dnm Reson Rota 1	3,500
Impulse Moskito Linn LP12 Basik	695 1,050
Linn LP12 Valhalla	1,200
Linn LP12 Lingo	1,750
Lumley Reference Strotesphere ST1	6,250
Manticore Mantra	950
Manticore Magister	3,990
Marantz TT-1000 Michell Mycro/arm	6,000 577
Michell Gyrodek	825
Michell Gyrodek/arm	967
Michell Orbe	1,950
Nottingham Analogue Spacedeck	600
Nottingham Analogue Illusion	600
Nottingham Analogue HyperSpacede Nottingham Analogue Graphic	1,200
Nottingham Analogue Mentor	2,200
Nottingham Analogue Mentor Ref	4,800
Pink Triangle Export	948
Pink Triangle Anniversary	1,797
Pink Triangle Anni/DC PSU Pro-Ject 6/Sumiko	2,173 850
Rega Planar 9	1,598
Roksan Xerxes 10	1,295
Roksan TMS	2,750
SME Model 20	3,240
SME Model 20/2A SME Model 30	3,941
SME Model 30/2A	8,652 9,836
Technics SL-1200LTD	1.000
Thorens TD-146 V1 TP50	550
Thorens TD-3001BC	630
Thorens TD-2001 TP90	700
Thorens TD-2001 Thorens TD-3001/UK	700 770
Thorens TD-520	900
Thorens TD-520 SME	1,050
Townshend MkIII Rock	1,499
Well Tempered Record Player	1,850
Well Tempered Classic	2,980
Well Tempered Super Well Tempered Reference	3,900 5.300
Wilson Benesch	1,550
MARKET STATE OF THE STATE OF TH	



1,391 1,649

1,499 975

469

Remember that all. entries printed in RED refer to hi-fi products that we have reviewed. Turn to page 122 for a full summary of test results!





Amplifiers

he amplifier sits at the heart of the system, processing the outputs from the various music sources as necessary and then driving the loudspeakers. These two (quite separate) functions are integrated into a single box at the low-to-middle price points; but become separated into preamps and power amplifiers. Even separate power supplies become increasingly common as one moves upmarket.

Bear in mind that output power and sound quality are not necessarily

he amplifier sits at the heart of the system, processing the outputs from the various music sources as necessary and then driving the loudspeakers. These two (quite separate) functions are achieve loudness aplenty.

Power output is equally no indication of sound quality.



KEY

LINE INPUTS: Amount of input sockets for non vinyl sources such as CD players, tuners and cassette decks.

MM PROND INPUT: If an amp has a vinyl phone input for moving

MM PHONO INPUT: If an amp has a vinyl phono input for moving magnet (normal output) cartridges.

MC PHONO INPUT: If an amp has a viryl phono input for moving coil (low output) cartridges.

REMOTE CONTROL: If amp is couch potato ready.

HEADPHONE SOCKET: If an amp is can friendly.

POWER OUTPUT (W): Lab tested power output in Watts per channel.

RECEIVER: If an amp has a built in radio tuner.

FACTSBACK NUMBER: The Factsback reference for ordering a fax copy of the review. Use the contents page to find the Factsback

information page.

BACK ISSUE: The issue of Hi-Fi Choice in which the original review appeared.

INTECDAT	EP	AMPLIELEDS	MM PHONO IN	YONO	OTE CON	WE SO	OUTP	ACTSBACK RECEIV	ISSUE N NUMBER VER
			TOTS IN	PUT"	PUT	ROL	KET	(W) CIV	ER MBER
	Price(£							B000 11 810	181
Alchemist Maxim APD30A	299	Vivid and colourful sounding amp that's just too bold and brassy	J				NA I	30	1737
AMC 3050	220	Low-price NAD-alike amplifier that is polite and modest but rather wooden. Phono better than line	4	•	100		•	45	1738
AMC CVT3030	529	Attempt to mix transistors with valves only shines with simple musical styles	6	•	- 100		•	30	1100
Arcam Alpha 5 Plus	240	Detailed improvement on predecessor, but lacks 'air'	5	•	100		•	40	1109
Arcam Alpha 6 Plus	350	Very mid-band oriented sound that was bright, yet lacks detail. Good for smaller speakers	6	•	•	•	•	50	1739
Arcam Delta 290	500	Combines dry restraint with detail, dynamics and musical colour	6			•	•	75	3540
Audio Innovations Alto	300	Probably because of a lack of deep bass, this stylish amp sounds open, natural and relaxed	5	-	-	B		35 25	1540
Audio Innovations \$700	1,199	Turns the roughest of digital sounds into understated and graceful music A single ended, zero negative feedback triode, line-level amplifier and a half. Probably the best amplifier in the world	3					26	
Audio Note Ongaku	56,000 1,500		4	8				24	
Audio Note Oto SE Audiolab 8000A	500	Transparent, dynamic, clear and subtle, but limited power	5		•		•	60	1501
Audiolab 8000S	650	The 8000A remains a highly disciplined and mature sounding amp	6	•		•	•	60	1581
Aura VA100 II	330	Informative in every sense, only a slight lack of bite detracts. Perhaps Audiolab's best yet! Big, smooth yet slightly disjointed sound was equally familiar	5	•			•	70	1541
Cambridge Audio A1	100	Dull musically - but at this price, Hobson's choice	4	•	-		•	35	1463
Chimera X-80	800		5					80	1400
Copland CSA-14	1,099	Stonking looks, powerful, but ultimately lacking in dynamics. Tested in Sessions Great sound and looks, but watch out for high capacitance cables	4	•				60	1416
Creek 4240	279	Bearing no relation to earlier Creek designs, this radical rethink is more successful via MM than CD	4	•	000		•	40	1127
Creek 4240SE	350-	At best, bland and plodding, at worst grainy, shouty and honky. Best on simple rock	5				•	35	1741
Denon PMA-250 III	160	High resolution amp, can loses its grip but is engaging and enjoyable	4	•			•	30	1/41
Denon PMA-350 II	230	Modifications give this amp a powerful up-front and compelling performance	5	•	100		•	50	1128
Denon PMA-450SE	280	Based on the original '450 and offers a fast, furious and entertaining sound	5	•	000		•	60	1258
Denon PMA-725R:	350	Warm, bold, up-front presentation but musically unexciting	5		100	•		97	1802
Densen Beat B100	600	Seriously well controlled amp that does everything well. Very slightly shut-in sounding	6					60	1742
DPA Renaissance	595	DPA's first integrated amp is typically innovative, but a little too 'crisp 'n dry' for our tastes	5	•			•	40	1582
EMF Audio Sequel	349	Relaxed and restrained design from Mike Creek	5	•			•	50	1002
Exposure XX Super	700	Rather transistorised, unexciting sound. Good coherence and rhythm. Best played loud	6					55	1743
Gamma Acoustics Gemini	699	Genuine single-ended triode design, but low power, mundane sound and poor build	3				S	12	1416
Grundig Fine Arts V-11	160	Rhythmically dull. Never gets out of first gear	5	•		•	•	55	1803
Harman/Kardon HK610	200	Lively and friendly sound, but could prove too exciting for the faint hearted	6	•				30	1465
Harman Kardon HK1200	300	Big sound with little bite. Becomes confused with complex music	7					45	1804
Harman/Kardon HK1400	400	Relaxed, confident sound is only troubled by the most dense of recordings.	5	•	•			40	1011
Harman/Kardon HK640	450	Breezy, nimble sounding amp lacks grip and fortitude - it can sound artificial and insubstantial	6				•	55	1542
John Shearne Phase 2	649	Either a natural-sounding superstar or nasal and hard to listen to — make up your own mind!	5					50	1744
JVC AX-V4	200	Respectable performance for a Pro-Logic AV amplifier. Lacks resolution and sparkle, though	5	•		•	•	63	1805
JVC AX-R5	200	Versatile, and lots of even-handed, articulate detail; but let down by superficiality	5	•		•	•	45	1466
Kenwood KA-3020SE	200	Not a brilliant phono stage, but this is a lively, exuberant sounding amp via CD	5	•			•	50	1130
Kenwood KA-3060R	230	Classy engineering, but sound is over-dry, often frustratingly restrained and rather unsophisticated	5	•		•	•	45	1260
Kenwood KA-5050R	350	A listenable but neither particularly communicative nor captivating amplifier	5	•		•	•	95	. 1012
LFD Integrated Zero	499	Lively and brisk, but at the same time cold and unsympathetic	6				0.	50	1584
Linn Majik-I (Phono)	725	The cornerstone of Linn's modular hi-fi system is innovative, but sounds vague and confused	5	•	•		•	33	1013
Magnum IA170	270	Gives a realistic sense of instruments playing within a very believable acoustic, preserves colour & dynamics well	6				•	96	1260
Magnum Quartet	329	An integrated model that incorporates four monoblocks optimised for bi-wiring, but sound is sandy in the treble	5	•			•	36	
Magnum Class A	599	Lashings of rich and compelling music, but the Class A trades lushness for accuracy.	4	•	•			60	
Marantz PM-44 MkIISE	200	Two generations on from the PM-40SE, this new model gives a disappointingly grey view of music	5	•			•	40	1131
Minium Amp	350	Excellent musical performance but doesn't like high levels or low impedance speakers	6	•		•	•	40	1806
Mission Cyrus III	500	The classic Cyrus II sounds convincing, masterful and musical	6	•		•		50	1585
Musical Fidelity E10	300	Smooth and high-endish sound that is marred by a lack of dynamics and a touch of grain	5	•			•	40	1746
Musical Fidelity E100	599	Beautifully crafted with a vibrantly colourful, almost dramatic sound	5	•		•	•	70	1586
Myryad MI 120	530	Despite an ultra-modern appearance, the old-fashioned cold, dry transistor sound	5			•	•	60	1747
NAD 310	100	Fleet and sure of foot, it seems likely to set all appendages tapping with itsblend of enthusiasm and artfulness	5					20	1468
NAD 314	260	Lively if coloured presentation that is musically engaging and easy on the ear	6	•			•	53	1807
Naim Nait 3	550	Distinctive and highly musical sounding integrated. Perhaps too distinctive for sme tastes	5					30	1748
Onix OA21S	430	CD input sounds dead, but via MM disc, this amplifier has a fresh, vibrant sound	4	•	•			50	

122 BEST BUYS 1996 HI-FI CHOICE

			M PHONO IN EINPUTS	PUT	YEADPH TE CON YPUT	ROL	R OUTPU	ACTSBACK RECEIVE	ISSUE NUI NUMBER	BER
Product F Onix 0A31	Price(₤) 480	Comments Eager to please, dynamic and fresh sounding, but it's grip is wafer thin	5		800		·	60	1587	140
Oreile SA-100	449	A musically rewarding amplifier that grows on you. Trace of coarseness in treble	5	-				50	2000	154
Pioneer A-303R	200	Fresh and uncomplicated sound bests much of the audiophile competition	5	-		•	•	45	1129	Section 1
Pioneer A-300X	230	This revamped version of the A300 sounds more confident via CD than MM, yet our panel was unmoved	5	-			•	40		116
Pioneer A-400X	300	On second audition, this amp was tonally unchanged but less compelling	6	-			•	50	1545	Elice or a
Pioneer A-503R	300	Best via MM disc, the dull and claustrophobic sound is otherwise deeply uninspiring	5	-	507	•	-	70	1544	Alleria Control
Pro-ject Model 7	259	A minimalist amplifier brimming with good intent, but too quirky for its own good. Either MM or MC	5	-	-			40	1264	-
Quad 77	650	Stylish remote driven amp, bright and lively. Tested in Sessions	4	-	-			50	1204	139
Rega Elex	398	Minimalist amplifier sounds forward, hard and unforgiving	4	-	-	-		50		116
Rotel RA920AX	100		4	-	-		•	32	1808	157
	120	Commendable performance at the price. Tuneful, robust bass	6	-			BOOK .	60	1546	200
Rotel RA970BX	300	Lively, fresh and perky with plenty of power, but not so clever with complex recordings	6	-			•	50	1340	126
Sonic Frontiers SFC-1	1,795	Smooth, sophisticated Canadian valve amp with a decent direct input and more features than average	-	- Section -				30	1809	-
Sony TA-F448E	250	Confused and coloured sounding, it needs a large dose of delicacy adding to its presentation	5	- Marion		-	•	27	-	000
Technics SU-A600 Mk2	230	An amplifier that's great fun to be with, but a little untidy from time to time	5	-			•	37	1472	2000
Technics SU-A900 Mk2	450	Jeckyl and Hyde amplifier with a dismal-sounding phono stage but transparent CD input	5	-		•		90	1547	-
Woodside ISA230 Disc	899	Smooth and inoffensive valve amplifier, though it lacks the sparkle and euphony required for a truly entertaining sound	3	-				30	-	116
Yamaha AX-490	250	Widgets aplenty, but unemotional sound evoked an uncertain response from panel	5	-	•	•	•	85	1473	1000
YBA Integre	1,199	Audiophile spec French integrated with good resolution and nice phono stage	5					45		121
Preamplifiers	1 1				-	111				
Alchemist Kraken/Pre	380	Quirky Class A design with an equally warm and colourful sound	4	- 500						124
Audio Innovations L1	369	Reviewed with S800 Anniversary — Explicitly detailed, conveys the message of the music as a whole	4	-					1300	1000
Audiolab 8000C	520	Distinctive, stark neutrality that will not appeal to all. Good value engineering.	5	•			•			97
Audiolab 8000Q	1,000	Tested with 8000M monoblocks	6			•	•		1301	145
Conrad-Johnson PV-10A	1,250	Beautiful imaging, superb detail, plenty of gain on the phono input; classy build too. Tested in Sessions	4		•				1560	139
Conrad-Johnson Premier 7	11,000	The 7 is designed without compromise, and is clearly one of the finest (valve) preamplifiers money can buy	5							C91
Copland CTA-301MkII	1,349	Sweet sounding - but never gets bogged down in audio treacle	4	•					1630	151
Creek P42	279	Tested with bridged A42 power amps, an articulate and open combo with tight tuneful bass (optional phono stage & rem	ote) 6				•			155
Cyrus Pre	650	Tested with Cyrus Power. High tech design Punchy, light footed character with a sense of substance and natural warmth	5			•				155
DPA DSP200S	495	Dramatic but detailed and transparent sound belies modest power rating (tested with DPA-200S)	6	-						124
EAR 802MC	2.599	Tested with £3499 509 Mk II - see comments in power amp section	4	-	•					63
ECA Vista	760	Wind up the volume and blow a breath of fresh music into your system (tested with Lectern)	5	-					1302	145
Exposure XVII	849	Superbly rhythmical; maybe a tad overpowering in the midband. Tested in Sessions with XVIII Super	5	- 200					1002	142
	-		5	-	500					60
Jadis JP-30MC	5,978	French tubes, JP-30MC has beautiful build, nostalgic styling and delightful midrange. (tested with JA30)	6	-		•			-	141
Krell KRC-2s	4,190	This is an exquisitely refined and transparent design (tested with KSA-50S in Statements)	-	-					1202	-
Meridian 501	695	Tight, positive sound, but dispassionate; intense at high levels. Tested with 555	5	- 600	-				1303	100
Meridian 562V	995	Transparent and capable preamp, also features 6 digital inputs	9	-		•	•			140
Moth 30 Passive	149	Modular system gives cracking results. Passive preamp and power amp warrant Best Buy (tested with 30/Stereo 60)	4	-						109
Moth 30 Active	249	Tested with 100W monobloks. While demonstrating solid, even balance it proved adept at delivering vital musical qualiti								155
Musical Fidelity E200	599	Weighty, luxuriant but hardly scintillating. Tested with MF E300	7	- 200		•	•		1304	07/2
Rose RV-23	450	You can pay more to get a more transparent sound, but it's hard to criticise at the price	3	-						77
Rotel RC970BX MkII	175	Confident, consistent sound. reviewed (in Sessions) with RB970BXMkII power amps	5	20000			•			144
Rotel RC980BX	375	Tames enthusiastically recorded material with a laid back and occasionally smeared sound (tested with RB980BX)	5	•	•		•			155
Sumo Athena IIB	767	Tested with Polaris III. Big, natural and tidy sounding with very natural reproduction of acoustic and electric instruments	6						1305	145
Thorens TTP2000	500	Minimalist shoebox preamp, rhythmical, warm balance. Tested in Sessions with TTA2000	4	•		•				139
Woodside SC26 Phono	1,931	Synergistic with STA35, with a cool, controlled sound, good focus and transparency (tested with STA35)	5	•						100
YBA 3 Pre	1,250	See-through, ethereal stereo images, but more convincing towards centre of soundstage (tested with £1199 3 Pwr)	4	•						72
YBA 2 Pre	1,699	Superbly finished, good space and transparency. Needs transformer for MC cartridges (tested with £2150 2 Pwr)	4							56
YBA 1 Pre	3,750	Tested with £4250 1 Pwr - see power amp section for comments	5							62
Power amplifiers				V. 3	No.			110	1000	
Acurus A150	1400	Price includes RL11 preamp with which it was tested. Powerfull remote control US combo with a slightly forward inclina	tion 1					150		151
Alchemist Kraken/Pwr	399	Hardly accurate, but entertaining nevertheless	1	-				60		124
Art Audio Quintet	1,393	Switchable triode, ultralinear output stage. In triode mode, these are 15 of the sweetest Watts around. Surprisingly guts	5000	-			10	15		109
Audio Innovations S800 Anni	-	Reviewed with L1 — Explicitly detailed, conveys the message of the music as a whole remarkably well	1	-				25	1300	1000
Audiolab 8000M	750	Strong, controlled sound; confident bass, but colourless, Tested with 8000Q	1	-		-		125	1301	-
Audio Research VT60	2,645	Ranks as 'must try' American cultural item (tested in Statements). Tube design	1	-				35	1179	
Copland CTA-505	2,043	Grown up amplifier with a refined, yet never over-civilised air	1	-				67	1630	2000
Creek A42	279	Tested with bridged P42 pre in bridged mode. Articulate and open combo with tight tuneful bass	1	-				100	-	155
Cyrus Power	-		1	- 100				50	80000	155
PARTICIPATION OF THE PARTICIPA	450	Tested with Cyrus Pre. Punchy, light footed character with a sense of substance and natural warmth (bridgeable)	-	- 1000				200		1000
DPA 200S	750	Dramatic but crisp, open sound belies power rating (tested with DSP-200S)	1	10000				60		124
EAR 509 Mk II	3,499	Combining sonic strengths of transistors and valves, this amp warrants attention (tested with £2599 802)	1	-	-		B. 1	100	1000	63
ECA Lectern	880	Tested with Vista. Wind up the volume and blow a breath of fresh music into your system	1					50	1302	145
Exposure XVIII Super	849	Slight dullness and hardness, but great 'boogie factor'	1	-				70		142
Jadis JA-30	2,880	French tubes, JP-30MC has beautiful build, nostalgic styling and delightful midrange (tested with £5978 JP30)	1	-				30		60
Krell KSA-50s	3,690	Stretches the performance margins of difficult speakers - state of the art at the price	1	-				50	-	141
Meridian 555	750	By providing an open window on the music, this amp is wide open to RF and low level IM distortions	1					60	1303	-
Moth 30 Stereo/60	549	Tested with 30 Passive. Modular system gives cracking results	1					60		109
Moth 30 Series Monobloks	879	Tested with Active Preamp. While demonstrating solid, even balance it proved adept at delivering vital musical qualities	1					100		155
Musical Fidelity E300	699	Tested with E200. Weighty, luxuriant but hardly scintillating	1					100	1304	145
Musical Fidelity F18	3,999	Belongs to the rarified group of refined, high resolution amplifiers	1					220	1508	133
NAD Monitor 208	1100	Truly a beefy amplifier, but no mad cow!	1	-			19000-	250	-	124
Rotel RB-970BX MkII	225	Tested with RC970BX MkII in Sessions (see preamp section)	1					60	200	144
Rotel RB-980BX	475	Tames enthusiastically recorded material with a laid back and occasionally smeared sound (tested with RC980BX)	1					120		155

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POWER AMPLIFIERS (CONTINUED)

•	POWER	AMP	LIFIERS (CONTINUED)	MM PHONO VE INPUTS	PHONO IN	TEADPHONE SU TE CONTROL	FACTSBAC R OUTPUT RECE CKET (W)	ISSUE NU VER BER	MBER
	Product	Price(£)	Comments	L-121A		V	VV	\vee	
1	Sumo Polaris III	898	Tested with Athena IIB. Big, natural and tidy sounding with very natural reproduction of acoustic and electric instruments				164	1305	145
	Thorens TTA2000	550	Tested with TTP2000 (see preamp section) in Sessions				35		139
	Woodside STA35	1,323	Synergistic with SC26, with a cool, controlled sound, good focus and transparency. More poise than grunt (tested with SC	226)			35		100
	YBA 3 Power	1,199	Tested with £1250 3 Pre - see preamp section for comments				45		72
4	YBA 2 Power	2,150	Superbly finished, but with slightly softened bass (tested with YBA 2 Preamp)				70		56
4	YBA 1 Power	4,250	Well finished pre/power amp with front rank imaging and transparency (tested with YBA 1 Preamp)				85		62



Cables

- ables are not accessories, but an integral part of a system. Inevitably some cables are better than others. The best cable for your system will only be found through trial and error, but by combining our recommendations with those of a dealer, you will end up with something suitable. Generally speaking, budget to spend about ten per cent of the total system cost on cables.
- Analogue interconnects are the leads that connect source components to amplifiers and pre to power amps. The cables in this section are priced for a one-metre terminated pair
- Digital interconnects connect CD transports to DACs, and are traditionally coaxial with a 75 Ohm impedance. They come in optical and electrical varieties, the former being made of plastic or glass. The prices shown are for a terminated linear metre.
- Speaker cables are used between the amplifier and speaker. Our prices are per unterminated metre. Termination (plugs and soldering) costs vary with brands.



SYMMETRICAL: A twisted pair of conductors. COAXIAL: A central 'hot' conductor and a shield that carries the negative signal.

STRANDED: Multiple strands with no intervening insulation.

SOLID CORE: single or multiple individually insulated strands. COPPER: Material used for conductor. SILVER: Material used for conductor. DIG CABLE TYPE: 0 - optical digital, E - electrical digital.

FACTSBACK NUMBER: The Factsback reference for ordering a fax copy of the review. Use the contents page to find the Factsback information page.

BACK ISSUE: The issue of Hi-Fi Choice in which the original review appeared.

	CABLES		SIMMETA	CAL COA.	STRAN	SOLID	CORE CO	PPER	FAXBA G CABLE SILVER	ACK NUMBER	MBER
		Price(£	Comments	V		V	V	V	V	V V	V
	Analogue Interconnects	20 50	Net associally improved to suppose that well associated belongs that proteints Girl but in out made or	•							108
	Audio Note AN-A Audio Note AN-C	29.50 59.50	Not especially impressive, warm but well rounded balance that restricts 'air' but is not unclear							1687	- Barrier
A	Audio Note AN-S	139	Neutral but lacking in subtle texture and unable to distinguish fine detail Up-beat and enthusiastic sound with satisfyingly deep and grumbly bass	•	8	B)					-
A	Audio Note AN-V	219	15 individually insulated silver strands make up this very clean and dynamically unchallenged cable			•				-	-
	Audioquest Turquoise	40	A fit and forget cable that sounds distinctly lazy							1007	160
	Bandridge AL421	5	Light and airy sound lacks authority, splashy treble							1688	Want .
	Bandridge AL421	10	Gold plated plug OFC version of AL421 with same innefectual sound quality		•			•		1688	-
	Bandridge SG AL4720	13	4N OF copper, full smooth balance but a little plodding and relentless, lacks panache							1688	100
	Bandridge SG + AL4820	25	4N OF copper, distinctly teutonic, thrusting detail forward but still plodding and relentless	800	•					1688	-
	Bandridge ProfiGold PG301	65	A perfect cable for enlivening a system, but too cold for most systems					-		1000	160
A	Cable Talk Studio 2	65	A first-class performer from tonal, dynamic and rhythmic standpoints	•			800				160
- 7	Cambridge Audio Studio Ref	100	Dynamic cable with strong soundstaging and only a slight lack of detail					•			160
-	Chord Chameleon	68	Anomalous treble with a dry but vaguely sibilant quality, sometimes sounds smooth, sometimes harsh!					•			108
4	Chord Solid	99	Thin but ye y stiff with excellent resolution of subtle timbral detail and fine dynamics					•	E		108
4	Connections Midas HD	39	Canary yellow cable with excellent plugs and an open sound. Slight treble glare	•		•		•			160
4	DNM TCC75	34	Price for 0.75m length. High resolution cable, but best in short runs due to higher than average series impedence				•	•		1690	000
-	DPA Slink	41	Slightly bright and zingy sound with flat soundstaging and hollow sounding bass, vocals and strings sound convincing though				•	•	BI	1690	0000
1	DPA White Slink	75	Highly expressive, very easy on the ear and attractively detailed though not entirel characterless at high frequencies				•	•		1691	131
4	DPA Black Slink	220	Initially dark and meaty but becoming lucid and transparent with running in. Quad geometry, Gore-tex dielectric	•			•	•		1691	100
4	lxos 104	20	Open and detailed presentation, full bass and silky if overly smooth treble		•			•		1692	131
A	Ixos 103	40	Even handed and generous sound, bass has a well rounded, bouncy quality		•	•		•	0.1	1692	131
,	Ixos 102	60	A tad bright and undynamic, this cable is nevertheless a good all-rounder, whose faults are largely subtractive		•	•		•			160
	Ixos 101	100	A cable with personality, its veiled and shut in quality brings an earthiness to vocals and rhythm guitar alike		•	•		•	•	1693	131
4	LFD Spirolink I	35	Price for 0.7m length. Dynamic but smoothly detiled perfomance, but gives the impression of looking down on the music				•	•		1694	131
4	LFD Spirolink II	70	Price for 0.7m length. Strong and confident sound enhancing bass depth and subtlety, concentrates of nthe meat of the music	•			•	•		1694	131
_	LFD Trilink	150	Price for 0.7m length. Warm and luxurious sound but a little too fruity in balance, treble is a little subdued, bass detached	•			•	•		1695	131
4	Linn Phono to Phono	47	Encourages a delicate performance underpinned by a strong and authoritative bass		•	•		•		1695	131
1	Monster Interlink 200	20	Colourful in an appealing rather than contrived sense, bass is slightly over-blown, large and ingratiating sound stage	•		•		•		1696	131
4	Monster Interlink 300	30	Richer, smoother more civilised sound than 200 with improved articulation and reduced sibilance	•		•		•		1696	131
	Monster Interlink 400	40	Compromised by a grainy top end, treble and vocal range sound particularly sharp and untidy	•		•		•		1697	131
A	Monster Interlink 500	50	Sounds rather good, providing a livelier and more interesting account of music than most sub £100 cables	•		•		•			108
	Monster Interlink 800	80	Not as bright or aggressive as the 400 but streble is trangely lumpy, muted and manipulated - odd cable	•		•		•		1697	131
	Monster Interlink Reference 2	100	Easy on the ear but rather contrived, slightly clanky treble fails to integrate with the smoother but splodgy midband			•		•		1697	131
4	Moth Ley Line Black	100	Offers a full and big sound, neutral yet very solid and condifdent in delivery. Expansive imaging retains music's energy	•		•		•	•		108
	Moth Ley Line Grey	200	Detailed enough but there's a sense of distance between the music and the listener, vox are course rather than liquid	•		•		•	•		108
	Nordost Black Knight	55	Flat black cable that is distinctive, but slightly coloured — but not in a wholly negative manner	•		•	B	•			160
4	Panasonic RP-CA910	50	Uncongested and even handed balance if slightly flat imagewise, retains impact but has a vaguexly untransparent quality		•	•		•			108
	Silvertone Ex-Static	35	Pleasantly unfatiguing and competitvely priced cable that lacks detail and insight		•	•		•			160
B	Sonic Link Silver Pink	35	Dynamically sensitive and muddle-free. Unsure about the flesh-coloured finish though	•		•			•		160
	SonicLink Black	49	Encourages an upbeat and snappy sound that's driven by leading edges, full and rumbustious bass maintains an even tempo			•		•	•	1699	131

124 BEST BUYS 1996 HI-FI CHOICE

CABLES (MMETRICAL	OAXIAL	NOED SOLID	CORE	OIG PPER SI	FAXBACK , CABLE TVE CVER	ISSUE NO NUMBER	
) Comments								
ara Labs Prism 11	45	Very compatible cable that wins through with a naturally balanced and realistically dynamic sound. 6N purity copper				•	•		1699	- 6
ara Labs Prism 22	56	Delivers a fresh and detailed sound with clear and bright treble giving it a free, quick and dynamic character		•		•	•		1700	-
ara Labs Quantum CD	75	Lacking in obvious vices, neutral and transparent, there's also a good solid bass. Vox are not always as intimate as pos	sible			•	•			
ara Labs Prism 33	90	A pedestrian cable that sounds lively but muddled. Quite dynamic, quite rich, quite smooth but also quite indistinct		•		•	•		1700	
ranspa ent Audio Music Link		No aggressive nasties to tax the ears, neither does it sparkle with inspirational detail. Only suited to low output impeda	nces	•	•		•		1701	-
an den Hul The Storm	25	Price for 0.8m length. Rich and warm but bass is rolled off, however there's plenty of drive and high frequencies are clo	ean	•)	•	•		1701	
an den Hul Source HB	50	(Priced for 0.8m) Hybrid carbon-fibre/copper cable that is a paragon of naturalness. Airy and well controlled		•	•		•			
an den Hul The First	210	Using 12,000 carbon fibres, a gentle and subtle sounding cable that conveys oodles of information but lacks dynamic p	unch	•	•				1702	
an den Hul The Second	225	Wonderfully open and relaxing but also intimately detailed, slightly softens percussive dynamics			•		•	•	1702	
LO Type 150	50	A restrained but useful cable for taming lively CD players, dynamics lack freedom, treble lacks clarity		•	•		•		1703	
LO Type 0.1	180	Unusual but highly expressive and detailed with a hint of graininess on powerful vocals				•	•		1703	
Digital Interconnects						1				
udio Note AN-V	110	Ostensibly an analogue cable but gives a meaty and natural performance when used for digital duty				•		• E	1704	
udioquest Video X	40	A decent level of detail, imparts a gentle lift from vocal to high treble that can sound a little splashy				•	•	E	1705	
udioquest Video Z	60	The very best available, with an expressive sound, but generously priced	(•	•	E		
udioquest Optilink Z	120	Good level of midband detail but frequency extremes lack depth and extension						0		
udioquest Digital Pro	100	A silver cable with all the drive of Video Z but lacking its clear cut transparency			•			E		
andridge AL4900G	40	Lacks deep rounded bass and treble is coloured with a spittiness, a little rough and ready			•		•	-	1705	Ī
hord Codac	32	A connection with a stranded inner core and a sound that lacks integration		•				• E		
hord Prodac	50	Price for 0.6m length. Lively detailed treble, drives music along confidently with no hint of fizz				•	•	E	1706	
PA Opti-link	20	Very similar to Bandridge AL560; sound is lacklustre						0		
PA Digi-link	28	Can seem slightly impassive but there's no avoiding its exceptionally detailed sound					•	E		
cos 105	25	xtended but soft edged treble that's mercifully free of fatigueing colourations, plenty of weight, smooth vox				•	•	10 PM	1707	
imber Kable Opti-link	70	Hardly cheap for what appears to be a bog-standard PMNA fibre, yet it sounds a little brighter and livelier than most						0	1/0/	
FD Digilink Copper	30					•	•	100	1708	
Andrews	100	Slightly grainy highly compatible cable with coherent and forward dynamic quality			900			27	1700	
lonster Interlink LS100	45	Well constructed stepped-index fibre with polished ends and connectors. Lean, fuzzy, engaging performance						0		
lonster Datalink 100	45	Price for 0.5m. A colourful coaxial interconnect with an equally colourful and up-beat sound. Very compatible		-			•	E		-
loth Leyline Datalink	140	A thin, coaxial version of Leyline Black with a rather hard and unforgiving character. Too expensive		_		•	•	E		
ED Digiflex	20	A top perforance, low-loss 75ohm coax with a very open, almost liquid quality				•	•	E	1700	
iltech HF-6	150	Sounds detailed, very clean and very extended, but bass is less well resolved - a treat for high end systems		•	-	•		-	500000000000000000000000000000000000000	-
onicLink Green	60	Spacious, positive and engaging if a tad over crisp at times, very compelling however		•			•	• E	1709	-
an den Hul MC Videolink 75	48	An AV-cum-digital cable that nearly beats QED's Digiflex, but emphasises sibilants		•				E		
an den Hul The First	120	Exceptionally natural albeit slightly dark or cautious compared to some, plenty of subtle information and beautiful integral	ation		•			E	1710	
oudpeaker Cables										
udio Note AN-D	4.50	Supplied in linear, non-polarised lengths that should be twisted into stereo pairs. Sounds rather grippy and forward				•	•			
udio Note AN-B	16.50	Well suited to valve systems, elastic bass, methodical but unintrusive and musical			•		•		1711	
udio Note AN-L	29.50	Fruity bass and expressive vocal rendition was appreciated by the panel which was happy to accept its foibles				•		•	1712	
udio Note AN-SP	125	A calm and civilised presentation, very quiet in the way it reveals subtle low level detail. Great poise and clarity				•		•		
udioquest F-14	1.95	Ideal for laying under carpets, F-14 encourages a slightly warm and vibrant sound				•	•			
udioquest Type 4	4.95	Four 18-gauge OFHC copper conductors wound in a Litz-type fashion increases capacitance but restrains the cable's 'b	ite'		•		•			
udioquest Cobalt 2	45	A rather polite and aneamic sound that bubbles gently with detail and is largely uncoloured and cautiously spacious			•		•			-
andridge SF LC1070	42p	Basic figure 8 bellwire, lightweight balance and a softness that dilutes even the strongest bass			•		•		1713	
andridge SF LC1259	1	Fresh and open, bubbly and naturally colourful soundstage that's neither forced or unduly edgy. Treble is slightly messy			•		•		1713	
andridge Highflex LC2604	3.50	Substantial 6mm² conductor produces weighty but ploddy music that lacks transparency			•		•		1714	
andridge LC7409	3.85	Detailed and up-beat cable. A bit too steely for classical strings			•		•		1800	-
able Talk 4.1	4.25	Smooth and cultured sound that lacks fine detail and is a bit too restrained			•		•		1800	-
NM LSCB500	5.95	High impedance can influence the treble response, but this was a winner on sound per pound. Bi-wire							1716	
PA Black Sixteen	90	Unflappable resolution of fine musical details, there's no dampening of dynamics simply oodles of taut information						•	1717	-
ale XL315	2	A little lacking in detail but plenty of life and excellent value							1800	-
Section 1997	755								800000	7
ale XL160-2	2.50	Rhythmic and bouncy sounding bi-wire cable. Slightly manipulative sounding This well manager footing of ending these cables cade up sounding lumps and uppers		-			•		1800	=
eybrook Heywire	4	This well-meaning facsimile of earlier ribbon cables ends up sounding lumpy and uneven				•	•		1718	00000000
tos 603	2	Big and expansive sounding cable, full and engaging while retaining a high degree of neutrality			1					



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CONNECTIONS

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CABLES (CONTINUED)

CABLES (CO	NTINUED)	METRICA	COAXIAL	SOLI	O CORE	DIG'ER SIL	FAXBACK NUMB CABLE TYPE	E NUMBER
Product	Price(£	Comments		V	VAS	ZV	V	VV	V
Mission Quartet	7.90	Mixed, inoffensive sound, adds gutteral resonance to vocals and could be generally more coherent. Bi-wire					•	172	22 133
Monster Cable XP	1.50	XP offers plenty of slightly soft bass and a slightly rounded treble, a relaxed cable whose indiscretions are not bothersom	ie				•	172	23 133
Naim NACA 5	5.11	Described as a 'dinosaur of a cable', this stiff wire rod doesn't belong outside Naim systems. But it works a treat in then	1		•		•		109
Ortofon SPK100	3	Grey sounding and strips instruments of their natural richness and resonance, a bit bass shy too			•		•		133
Ortofon SPK300	8	Tremendously open and atmospheric with robust full blooded bass, and dynamic too if slightly bright at times					•		133
Puresonic 7845	1.95	Big, weighty sound — but too messy and bloated for its own good			•		•	180	00 157
Puresonic 7891	2.85	Chunky cable design, shame about the sound quality		•	•		•	180	00 157
QED Qudos	2.50	Despite high tech design and excellent Air-Loc plugs, the music failed to gel			•		•	180	00 157
QED Profile 8	5	Sophisticated flat cable that lacks decent bass and get up and go			•		•	180	00 157
SonicLink AST50	1.95	It may look like bell-wire, but AST50 sounds detailed, ordered and balanced			•		•	180	00 157
Tara Labs Rectangular SCM	725	Price for terminated 2m pair. Dynamics are exquisite, luxurious smooth sound, brimming with unforced detail				•	•	172	25 133
Transparent Audio Musichor	11.42	Sweet, open and refined treble, a bit of breathy exuberance and can sound slightly lackadaisical			•		•	172	28 133
Transparent Audio Wave	22.84	Very close to the sound of 'no cable', one of the very best. Slightly softens treble detail		•	•		•	173	28 133
Tech + Link OFC79	1	Bargain basement cable that sounds cosy, but suffers from a wobbly bass			•		•	180	00 157
van den Hul The Clearwater	6	Despite its evocative title, the Clearwater turns out to be a disappointingly murky sounding cable			•		•	•	109
van den Hul CS122	19	Smooth and articulate with superb focus and control, its sheer coherence makes it a winner (tested in Sessions)			•		•	•	153
van den Hul The Magnum	31	Touted as vdH's most prestigious twinlead cable, Magnum sounds soft and old fashioned			•		•	•	109
van den Hul The Wind	35	'The Wind' kicks up a storm with its lush midrange and bone-crunching bass!			•		•	•	109
van den Hul Revolution	64	Silver plated OFC combined with carbon fibre prompts a sombre character with an easy and relaxed treble			•		•	• 172	26 133
X O Pro Type 625	4	Lively but natural and relaxed sounding but a hint of congestion at frequency extremes			•		•	• 172	26 133



Cartridges

artridges fall into two groups: high output MM (moving magnet) models, capable of working directly into most phono inputs; and generally more expensive low and very low output MC (moving coil) models. MC cartridges usually have better mechanical integrity, tighter tolerances and give better performance. Many amplifiers are no longer equipped with the necessary phono input for a cartridge, and a separate phono stage

is necessary. Phono input equipped valve designs need a transformer to cope with MC cartridges.

■ Cartridge/amplifier interfacing can be very subtle, but even basic high output MM designs benefit in overall balance from optimised amplifier capacitance loading.



KEY

MM: Moving magnet cartridge with a normal output suitable for all vinyl disc amplifiier inputs.

MC: Moving coil cartridge with a low output only suitable for high

sensitivity vinyl disc amplifier inputs REPLACEABLE STYLUS: Most MM cartridges have a stylus that can be removed and replaced

OUTPUT (MV): Cartridge output in millivolts. MASS (g):Cartridge mass can affect arm choice. FACTSBACK NUMBER: The Factsback reference for ordering a fax

copy of the review. BACK ISSUE: The issue of Hi-Fi Choice in which the original revie appeared.

	CARTRIDG	iES		REPL.	CEABLE MI	STRUS	FAXBA PUT (MV)	ICK NUM SS (9)	IE NUMBER
		rice(£)			A		V		V
- 99	Arcam C77	30	A sensible moving magnet package with good bounce at a competitive price		•	•	4.0	6	48
- 8	Arcam C77MG	40	Punchy, with plenty of energy to liven things up. The solid body is well worth the extra £10		•		00000	6	67
• #	Arcam E77MG	60	Our sample had a disappointing stylus, but gave a coherent, rich and laid back sound		•	•	-	6	48
~ ∺	Arcam P77MG	73	Preferred to its cheaper partner thanks to a better tip. Channel balance poor		•	•	4.0		48
1	Audio Note lo IIV	1,395	One of the best, giving an extraordinarily relaxing midrange clarity. Needs a transformer		•		0.1		100
1	Audio Technica AT-95E	19	Clear and dynamic, though richly balanced		•	•	2.8		48
1	Audio Technica ART-1	944	This is a delicate and very fluid-sounding MC that tracks well				0.4	9	72
	Audioquest 404L	599	Slight harshness detracted from the performance of this otherwise clear-sounding and detailed cartridge		•		0.5	6	84
	Audioquest 7000NSX	1,495	Stunning stereo imaging and detail spoiled by poor tracking and high sensitivity to arms		•		0.4	6	91
1	Denon DL110	70	A fine all-rounder, this high output MC model is likely to perform well				1.0	6	48
	Denon DL160	90	Although listeners just preferred the 110, its brother here survived lab tests and is still 'thoroughly competent'		•	•	0.1	6	43
	Denon DL103	100	Good performance in bass and good 'life' is seriously let down by its spherical stylus which kills subtle setail			•	0.1	6	103
1	Denon DL304	200	Uncoloured, detailed, tracks superbly. Top notch altogether and a top notch bargain too						103
	Dynavector Karat 17D2 mk2	449	Clean and controlled sound with taut, tuneful bass. Detailed and musically cogent				0.15	5.3	158
1	Dynavector XX-1L	998	Very clear, very detailed; a response lift around 20kHz seems to do no harm				0.25	12	84
ā	Dynavector XX-1	998	Good, but not immensely competitive at the price, and not helped by comparison with the low output version.		•		2.0	12	84
1	Goldring Elan	17	A lightweight and frisky-sounding MM apparently based on Nagaoka MM4 body		•	•	5.0	7	67
1	Goldring 1012GX	65	Slightly harsh but plenty of life and detail. Some high frequency colouration apparent		•	•	6.5	7	85
1	Goldring 1022GX	85	As with 1012, a touch harsh; detail and transient purity improved		•	•	6.5	7	85
1	Goldring Eroica LX	100	Not the most subtle cartridge in the world: can sound edgy at times, but lively and informative				0.5	8	84
	Goldring 1042	105	Not terribly subtle, and not such good value alongside 1012 and 1022. Quite lively though		•	•	6.5	6	91
100	Goldring Elite	200	The basics are right, and it will cheerfully tackle any source material, but its sound has a certain dirtiness	1			0.5	8	103
	Grado Prestige Gold	150	Rich sounding with an unusually refined top-end for a moving magnet-type cartridge		•		.4	6	158
1	Linn K5	65	Not as crisply focussed as the othe Linn magnetics, but the K5 is smoother		•	•	4.5	6	67
. 100	Linn K9	150	Linn improved this model by beefing up the Basik's bodywork and adding a super stylus				4.5	5	Col
- 55	London Decca Maroon	199	Now manufactured under the London brand name, this Decca cartridge is as iconclastic as ever.		•		5.0	6	67
	London Decca S Gold	339	Immediate and detailed, but coloured, nonlinear with a questionable effect on records		•		5.0	6	84
1	Lyra Lydian	699	Superbly capable all-round musical performer that improves markedly when its body cover is removed				0.3	7	158

126 BEST BUYS 1996 HI-FI CHOICE

CARTRID	GES	(CONTINUED)	REF	LACEAB.	LE STYLO	FAXI PUT (MV)	SACK NUN	TUE NUMB
Product	Price(£		ne man	V			V	V
Lyra Clavis Da Capo	1,069	A stable tracker, and one of the finest cartridges we've heard			•	0.1	7	14
Milltek Aurora	299	An overall feeling of relaxed ease characterised this clear and atmospheric Kiseki-built cartridge			•	2.0	0.1	29
Ortofon 510/P	32	For the price, a good blend of virtues - weight, clarity and neutrality		•		3.0	5	8
Ortofon 520/P	55	Sensitive to load capacitance, the 520/P has a lively, effervescent sound		•		3.0	5	
Ortofon MC10 Super	85	'What a delightfully sweet-sounding cartridge this is' we said			•	0.3	7	
Ortofon MC3 Turbo	110	The 3 Turbo is bright, cheerful and bouncy, but unsubtle - take it as it comes.			•	3.3	4	1
Ortofon MC15 Super II	110	A good all-rounder, with outstanding resolution, if slightly bright and clos up			•	0.35	7	1
Ortofon MC25E	160	An excellent upgrade for a mid-price turntable			•	0.5	11	1
Ortofon MC25FL	210	A bit too stark and honest, but faithful to what's on the LP			•	0.5	11	1
Ortofon MC30 Supreme	450	Highly detailed and even-sounding cartridge that has a special affinity with female vocal recordings			•	0.5	10.7	1
Ortofon MC3000II	950	A real eye-opener. Nothing to criticise anywhere, one of the very best			•	0.12	10	
Ortofon MC5000	1,500	Limited tracking abiity, bright and forward sound, but good stereo			•	0.12	10	
Rega Bias	34	Difficult to mount in some arms due to its shallow build, the Bias offers a gentle, refined sound		•	•	5	4	
Rega Elys	74	Clearly superior to the Bias, the Elys is both more detailed, accurate and convincing		•		5.0	5	
Roksan Corus Black	130	Recognisably related to the Corus Blue, but more civilised and smoother		•		6.5	5	
van den Hul MM-1	250	If woody midrange could be tamed, imaging and security would pull it through		•		5.5	6	10
van den Hul DDT	699	Outstanding stereo imaging and neutral balance are appealing but rhythmically the DDT-II is a bit lazy			•	0.35	7.6	1
van den Hul MC-10	799	A neutral, balanced performer gives, fine depth and focus and a firm, extended bass			•	0.4	6	(
van den Hul MC-One	999	This extended all the positive qualities of the '10, but added greater authority and scale - worth all the extra money			•	0.4	6	(
van den Hul MC-Two	1,349	MC-Two rewards with a highly deailed yet fluid and musically covincing portrayal.			•	0.4	6	
van den Hul G' hopper IIIGLA	2,999	Undoubtedly one of the finest cartridges available, it has tremendous bandwidth, energy and finesse			•	0.4	6	12
Wilson benesch Matrix	689	Extraordinarily well balanced cartridge: neutral and detailed yet lively and rhythmically assertive			•	0.58	6	15



Cassette Decks

he compact cassette is still the world's most versatile and ubiquitous music storage medium. Buffs may wrinkle their noses, but they all use it.

There should be no problems in connecting a cassette deck to any normal amplifier, but some care needs to be taken in choosing the best tapes for a specific machine. (Trial and error is one effective technique, but many decks have manual bias adjustment and some match up to the tape automatically.) Twin decks offer the option to dub tapes and play two cassettes

sequentially. Autoreverse is a useful feature, but usually implies some mechanical compromise. The sort of facilities that are useful include tape monitor switching and Dolby S.



KEY

DOLBY C: A rather extreme noise reduction system not usually associated with high sound quality DOLBY S: A desirable derivative of the Dolby SR professional

noise reduction system. DOLBY HX PRO: System designed by B&O to extend headroom for cassette recording

3-HEAD: If you want to monitor a recording whilst you are making it a third head is essential.

TWIN DECK: Contains two decks for dubbing and continuous play, in most instances only one deck will record.

AUTOREVERSE: Automatically plays both sides of the cassette. AUTO CALIBRATION: The deck will automatically set up bias and EQ for any tape

ADJUSTABLE BIAS: Bias can be manually set to suit the tape being used.

FACTSBACK NUMBER: The Factsback reference for ordering a fax copy of the review. Use the contents page to find the Factsback information page

BACK ISSUE: The issue of Hi-Fi Choice in which the original review appeared.

CASSETT	E DE	CKS	DOLBY C	BY HX F	J-HEAL	AUTO C. AUTOREVE IN HEAD	ADJUSTABL ALIBRATION	SACK NO EBIAS	SSUE NUM MBER	MBER
Product	Price(₤)	Comments		V			V V			
Aiwa AD-F450	120	Basic but well designed budget deck, astonishing value; only the poor metering gives the game away	•		•			•	1513	136
Aiwa AD-WX727	170	High class twin for those who want bells, whistles - and music	•		•		•	•	1377	146
Denon DRM-550	160	There are some technical limitations, but this remains a fine sounding deck, and excellent value	•		•			•		158
Denon DRS-640	200	Drawer loading deck, with simple facilities and smooth, well adjusted sound	•		•			•	1591	140
Denon DRM-740	270	Breathed-on DRM-710, with good external treatment offers good, if somewhat detached sonics	•		•	•		•	1514	136
Denon DRS-810	310	Drawer loading deck, carefully designed yet lacking in subtlety on audition	•		•	•				127
Grundig CCF3	200	Simple, sensible and well built twin, but lack of pitch stability compromises performance	•		•	•	•	•	1379	146
Harman/Kardon TD420	280	Minor inconsistencies detract from a well conceived, minimum features design	•		•	•			1592	140
JVC TD-R472	200	Excellent auto-reverse deck which doesn't suffer the usual disadvantages and is very sharply priced	•		•		•	•		158
JVC TD-V562BK	220	Ultra-sophisticated transport at a silly price; sound quality is stable but slightly opaque	•		•	•		•		123
JVC TD-V662BK	270	Assured, clean and agile sounding recorder, if not quite the most refined in its class.							1380	146
Kenwood KX-5060S	235	Well engineered transport and Dolby S star in this refined and detailed design	•	•	•	•	•	•	1593	140
Kenwood KX-7060S	329	Although slightly dull sounding with prerecorded tapes, this is a well equipped and fine sounding deck	•	•	•	•	•	•	1381	146
Luxman K-322	140	Gives best value results with lower bias tapes, helped by a successful Dolby C installation	•		•	•		•	1382	146
Luxman K-373	350	Decent performance, but a little costly. Includes microphone inputs	•		•	•		•		158
Marantz SD-53	200	Modestly equipped player is short-changed by a rough transport, and dull prerecorded quality	•		•	•		•	1383	146
Marantz SD-63	270	Poor pitch stability is a major snag in an otherwise nondescript design	•		•	•		•		158
NAD 602	199	Minimalist deck for the audiophile market. Unfortunately engineering is minimalist too	•	-	•	•		•		127
NAD 613	230	Rough and ready, but enjoyable sound, though marred by mechanical motor noise	•		•			•		158
NAD 616	320	Double deck whose music sounded shut in and prosaic, as though its energy content had been ironed flat	•				•		1648	152
Onkyo K-611	430	Cute drawer loading mini-size component with 3-heads and dual capstan transport.	•		•		•	•	1384	146
Pioneer CT-S830S	500	High class mechanism, if lacking in battleship externals, and superb sound	•	•	•		•	•	1385	146
Sony TC-KE600S	300	Mild setting-up problems notwithstanding, this UK-tweaked design has a smooth, open and un-cassette-like sou	nd •	•	•	•	•	•		158
Technics RS-AZ7	300	Thin-film head gives a solid, almost CD-like bass and midrange. A clear advance in the state-of-the-art	•		•		•	•		158
Yamaha KX-490	199	Electrifyingly transparent and capable deck, whos only flaw is a trace of audiable wow and flutter	•		•		•	•		158
Yamaha KX-580	250	Stable and clean, if bright. Play Trim helps wake up recalcitrant recordings					•		1388	146



CD Players

can keep you entertained for hours as you programme in disc names and track orders. All but the excessively inexpensive feature remote control. Most CD players can be upgraded by adding an outboard DAC (see below). To do this the player needs a digital output of either electrical or optical persuasion; sonically the former is preferable.

Il CD players offer a basic selection of facilities, and some A CD player can be split into two basic components: the disc drive or transport, and a device which turns the digital bitstream coming off the disc into an analogue audio signal. This is called a digital to analogue convertor, or DAC. Although most players are contained in a single box, expensive players are usually two-box affairs.



KEY

ELECTRICAL DIGITAL OUTPUT: For electrical connection to an

AES/EBU ELEC DIG OUTPUT: Balanced digital output to be used

with similarly equipped DACs.

OPTICAL DIGITAL OUTPUT: For optical connection to an outboard

AT&T OPT DIG OUTPUT: High speed optical output to be used with similarly equipped DACs

BAL ANALOGUE OUTPUT: Balanced analogue output for amplifiers equipped with balanced inputs.

HEADPHONE SOCKET: For can users

VARIABLE OUTPUT: Remotely adjustable volume controlled

output

MULTI-DISC: Equipped with a carousel or multi-tray system for continuous play of multiple discs.

DAC TYPE: Digital to analogue convertor: BS - Philips Bitstream, MB - multibit, Hyb - hybrid of multibit and bitstream technologies, 1bit - single bit types such as MASH, hitstream PWM etc.

FACTSBACK NUMBER: The Factsback reference for ordering a fax copy of the review. Use the contents page to find the Factsback information page.

BACK ISSUE: The issue of Hi-Fi Choice in which the original review

ELEC AES IOPTICAL ATA; BAL ANALORION NAGINALE O MILIT-OACT MANABER BLEC DISTAL DISTAL OPTIC OUTPUT SOCKET UTPUT - OACT NAMBER BISTAL OUTPUT OUTPUT OUTPUT OUTPUT OUTPUT OACT TYPE TYPE **CD PLAYERS**

Product	Delega/A	Commonte			V V V	$\overline{}$		
Product		Comments						5000
MC CD6	349	Based on Rotel's RCD-965BX, but has a raunchier, beefier but less transparent sound	-	-	•	BS		1
rcam Delta 270	800	Dry, tightly-focussed sound will either beguile or aggravate, depending on taste!	•			Hyb	1005	
udio Innovations Alto	399	Refreshing piece of audio sculpture belies inconsistent audio behaviour	•				1635	-80
ambridge Audio CD4	150	Basic appearance and sluggish track access/track search belies its up and at 'em sound quality.	•		•	Hyb	1268	8
Cambridge Audio CD6	300	A sharp, lively and articulate player, a real thoroughbred in fact, perhaps too sharp and lively for some systems	•		•	BS		-8
enon DCD-625	200	DCD-615 replacement is generously equipped but lacks sophisticated sound of its forebear	•		•	MB	1269	- (4)
enon DCD-825	240	Despite extensive revisions, this latest player still sounds like a typical 18-bit Denon, which is no bad thing!	•	•	•	MB	1531	- 8
enon DCD-1015	350	Excellent, middle range player - fast, fluid and lean	•	•	•	MB	1599	- 85
ual CD1000RS	170	Old fashioned sound and appearance, though well suited to light classical music	•		•	BS	1562	- 9
clipse CD101a	80	If you want to know the sound of high order distortion, this is probably as good a place to start as any				MB		SOUTH STATE OF THE PARTY OF THE
loodmans Delta 700	110	A 16-bit alternative to the CD650II that furnishes a colourful and animated sound				MB		-
arman/Kardon HD710	250	Player of integrity, but can sound a tad hard and rough when extended, and is somewhat amplifier fussy	•		•	1bit		000000
arman/Kardon HD7425	349	Needs a touch of Oxy-10 to clean up its complexion	•	•	•	MB	1600)
larman/Kardon HD7525	400	Glorious sounding player, if slightly inconsistent	•	•	•	MB	1636	;
arman/Kardon HD7625	550	Crisply styled, well equipped and slick, sound quality is fast and assured, if slightly 'obvious'	•		•	MB	1761	ı
arman/Kardon HD7725	800	This flagship implementation of RLS sounds impressively bold and dynamic	•	•	•	MB		
VC XL-V284BK	140	Featuring a new set of bitstream innards, this flexible player has a refined, if occasionally unpredictable sound	•	•	•	1bit	1270)
VC XL-Z574	250	Strong resolving power and good midband and dynamics, but slightly raw and thin		•	•	1bit		1
VC XL-Z674BK	300	Even handed, but glosses over the most intimate moments	•	•	•	1bit	1637	1
enwood DP-3080	170	Bold, dynamic and outgoing sound, though somewhat aggressive. Poor build quality and finish		•		1bit		- Contract
enwood DP-7060	380	Fleet-footed, but will appear bright in lightweight systems	•	•	•	1bit	1601	
rell KPS 20i	9,900	Forthright, edge of the seat sound with outstanding bass performance (tested in Statements)		- B		MB	1734	-
inn Mimik	875	Useful multiroom features matched to strong bass, but poor imagery and transparency				D 800 BW	1762	-
uxman D-322	200	Well bred player sounds smooth and cultured without appearing grey or boring.			•	- CO - CO	1272	-
larantz CD-53	200	Looks identical to CD-63, but internal costs are cut, exposing a slightly ragged performer	•	•		Den Borner	1565	-
larantz CD-67	270	Dynamic, authoritative, and wide tonal response, but also shut-in and mid-forward balance			•	• 1 bit	1303	900000
larantz CD-17	800	Fabulous packaging and an excellent all round performer: smooth, detailed and consistent	•				1763	,
	995			•		-	1764	-8
leridian 506	-	Crisp, clean and detailed player now seems a little flat and mechanical: a dated balance				Hyb	1/04	-
leridian 508	1,685	Excellent partner for Meridian digital systems, and one of the best neo-high end systems (tested in system)				DS	-	-
licromega Minium	350	Dynamically weak and some roughness offsets the pleasing tonal balance, articulate mid and strong bass	•			1 bit		-
lission DAD7	900	Pleasant but not particularly exciting, but this remains a classy, sharply etched performer	•			MB	1051	-
lusical Fidelity FCD	1,499	Remarkably coherent and three-dimensional performer, and an inspiring piece of audiophilia	•		•	BS	1051	1
AD 512	250	Simple, well focused presentation, and articulate with it, though hard nosed quality is not everyone's cup of tea	•			1 bit		
AD 514	370	Boisterous sound, but undeniably attractive	•		•	BS	1639	-1
aim Audio CD3	978	The idiosyncratically packaged CD3 is solid and highly articulate. Always has its feet on the ground though				MB	1765	-
akamichi MB4s	350	Entry level Music-Bank player has plenty of dynamics and detail but little stereo depth	•	•	•	MB	1074	-8
nkyo DX-7210	260	Well-bred CD player features an unusual digital filter is smooth and cultured without appearing grey or boring	•	•	•	BS	1273	-4
nkyo DX-7510	400	Strongly flavoured, assertive sound	•	•	•	BS	1640	-8
relle CD-100	500	Excellent information retrieval and convincing with a wide range of music. HF could be more natural though	•			MB	1628	
relle CD-100SE	549	Articulate and solid performer, with a simple, purposeful; interface and attractive pricing	•			MB	1766	
hilips CD-721	130	Surprisingly well sorted, articulate if slightly lossy and attractively presented sound. Captive signal lead				1 bit		-
hilips CD-740	170	One of several Philips players using hybrid DAC technologies. Still sounds insufferably boring, however	•	•	•	MB	1567	and and
ioneer PD-204	150	Generally easy on the ear, but can bite back, especially with complex high frequency music content. Well endowed			•	● 1 bit		-
ioneer PD-S904	400	Too much legato - literally - in sound, but a very smooth performer	•	•			1641	
uad 77	850	This player knows how to sing. Pity the control system is so buggy.		8		Hyb	1767	1
uad 67	875	Powerful, fluid and captivating sound reminiscent of Meridian's 206				BS		ALCOHOL:
otel RCD-940BX	250	A sea change in transport and DAC technology lies behind this untidy-sounding and irritating player	•	•	•	MB	1535	the same of
otel RCD-975	849	Bright and superficially detailed, this deck can sound coarse and inarticulate	•				1767	- 5
herwood CD-4030R	180	Easy on the ear, smooth sounding player, with limits set by the slightly soft, compressed quality - and messy facia		•	•	BS		-
ony CDP-361	150	Bantamweight it capable and resolute machine with no serious shortcomings at the price		•		WATER STREET	1628	STATISTICS
ony CDP-XE500	160	Fine all-rounder, and a good match for middle ranking systems. Jog dial works will, but display is messy				BS		ACCOUNTS.
ony CDP-761E	250	Tarted up CDP-561E with less widgets and a slightly overcooked but nonetheless fine performance	•		•		1267	September 1

128 BEST BUYS 1996 HI-FI CHOICE

CD DI AVE	DC	ELEC MESTAL DIPPLO	016 61	AL DUE OUT	OPHONE SOCKET	MULTI-DISC	KNUN	ENL
	Price(£	(CONTINUED)	- '007	BAL ANALOGUE PT DIG OUTPU AL OUT	OPHONE SOCKET	FACTSBAL MULTI-DISC TUTPUT DISC	PE "	ER
Sony CDP-XE900E	300	Refined and analytical disc scavenging tool, but there are some distinctive colourations making auditioning vital					BS	
Sony CDP-XA2ES	400	Strong-willed, heavyweight sound; not for the feint-hearted	•	•		The second second	-	642
Teac CD-P3200	150	A primitive looking CD player, housing 16-bit electronics delivering an equally primitive and uninspiring sound.	•			Britis - Britis - Britis	1000	277
Teac CD-5	350	Bright, breezy and up-beat - but short in the trouser department	•			- Breeze Breeze Breeze	-	643
Teac VRDS-7	599	Although bold and outgoing, this player can sound both intrusive yet lacking fine detail	•	•		- BA BA B	-	769
Teac VRDS-10	770	A basic analogue stage compromises performance. Lacks bass energy	•	•			BS	70.
Technics SL-PG480A	140	Full driving sound, but somewhat uneven in balance with a unsubtle, slightly harsh top end				The second second	bit	
Technics SL-PS770A	250	A mellow sounding player that never quite rouses from its slumber to really tackle the music at hand	•	•			BS 1	27
Thorens TCD 2000	900	Lacks midband separation and clarity and is short on dynamics but looks great (tested in Sessions)	•	•		BOOK BASEL BASE	- B	729
Thule CD100	849	A little muddled via single ended output, but the sound comes alive when balanced connections are used	•	•	•	- CO	100	771
Trichord Genesis	549	Modified Pioneer PD-S504 that's a bit like a Williams Renualt Clio — astonishing at the price (tested in Sessions)	•	•	B 100 B	The second second	- BOOM	75
Yamaha CDX-490	170	Big, blowsy sound, is undermined by lack of precision and focus				State State State	bit	13.
TRANSPORTS	170	big, blowsy sound, is undermined by lack of precision and locus					JIL	
Arcam Delta 250	750	Arcam's best effort yet is a new design based on Phillips CDM9 transport. Specification includes Sync Lock facility	•	•			- 1	49
Audiomeca Kreatura SE	1,450	Superb combo for those who like the sound of valves (tested with Elixir DAC in Sessions)	•			- Con	лB	43.
Audiomeca Mephisto	2,100	Tested with Trichord Pulsar, the duo provides a highly composed and tactile sound	•	•			New York	320
Linn Karik	1.750	Based on early Linn transport, the Karik is dry but very positive, detailed and engrossing		•			-	323
Meridian 500	1,730	, , , , , , , , , , , , , , , , , , , ,	•				- 1	
Mission Discmaster	1,243	Used with the 563 DAC, the combination is thin, brash and uncomfortable	•				-	103
Pink Triangle Cardinal	875	Powerful performance - large and beefy without sounding fierce or aggressive (price includes Dacmaster)	•				- 1	
PS Audio Lambda	B 100	Sound quality is warm but over-polished compared to PT Ordinal (tested with DaCapo and DC PSU)					100	-
eac VRDS-T1	2,250 550	With Ultralink Two, sound positively sparkles with colour and resonant detail Superb quality engineering is mated to tidy and composed sound (tested with D-T1)					C 600.7	325
Teac P-700	100						- 1	320
Teac P-2S	900	Tested with D-700, low resolution sound is warm, bubbly and entertaining		•				493
	4,000	The latest version of Teac's luxury P-2 transport sounds as over-engineered as it looks	•	•			2000	-
Theta Data Basic II Wadia 8	2,298	Uses a Philips CDM-9 Pro mechanism a works a treat with more lively DACs	•				- 600	494
DACS	3,195	Budget version of Teac's VRDS mechanism in a fancy case; just too expensive for the performance on offer		• •			- 1	493
Arcam Black Box 500	750	Sophisticated unit with Sync Lock and discrete DAC. Early samples sounded grubby and restrained			1 3 3		BS 1	519
Audio Alchemy DAC-in-a-Box	230	This giveaway DAC may still rescue the oldest of players from obsolescence					MB	01.
Audio Note DAC1	600	Oddball DAC with manual de-emphasis switch. Needs a high preamp input impedance or bass will suffer				Section Section	ИB	
Audiolab 8000DAC	800	Just as smooth and refined as its predecessor yet, sadly, still manages to obscure the passion or fire of music				The second second	BS	9.
Audiomeca Elixir	745	DAC was tested with Kreatura SE - see below				Service Service Service	BS	
Cambridge Audio DACMagic 2	Day 100	Superb value DAC that makes the jump from good to outstanding if balanced outputs are used (tested in Sessions)			•	- Bor Bloom Bar	-	521
DPA PDM256	2.995	Highly advanced, with adjustable dither, but the different settings only lead to compromise				State of Sta	BS	JLI
inn Numerik	1,400	A new 20 bit DAC and revised Karik transport have cleaned up; but sounds a tad dry and humourless.				- Bon - Bon - Bon	-	323
Meridian 563	795	Warmer but no less detailed than the earlier 200-series, the 563 flies with a top rate transport				The second second	OS 1	
Mission Dacmaster	1,500	Powerful performance - large and beefy without sounding fierce or aggressive (price includes Discmaster)				BOT - BOT - BOT	MB 1	
Pink Triangle Ordinal	925	The cheapest dual-differential DAC7 converter available offers top-flight sound quality					No. March	524
Pink Triangle DaCapo	1,765	With Cardinal and DC PSU, the DaCapo is best with its 22bit option. It is warm but over-polished				- the State of the	3S 1	
Pink Triangle DC Supply	1,750	Battery power supply for Cardinal and DaCapo					2000	324
S Audio UltraLink 2 HDCD	2,590	With Lambda transport, the sound positively sparkles with colour and resonant detail						106
S Audio Old achik 2 HDCD	4,550	Consolidates reputation of PS Audio for high performance digital electronics			•		-	069
DED Digit Plus	139	Bearing in mind its expensive but very forgiving performance, the Digit is almost embarrassingly cheap				- British British	as 1	005
eac D-T1	500	Teamed with VRDS-T1 for test, this superb quality unit is tidy and composed.				Marin Million Marin	-	325
Teac D-700	600					Section Section	1B	323
richord Pulsar Series One	1,395	With P-700, the D-700 may lack the resolution, but is bubbly and entertaining Richly detailed and honest sound from a very capable and natural DAC. Switchable phase, dither etc				the same and	-	220
Noodside DAC2	509					TO BELLEVILLE OF THE PARTY OF T	yb 1	321
Noodside DAC2 Noodside DAC1	909	Sharp, dynamic sound is captivating for its lack of grain and 'tizz' Fine but slightly dated and costly package in performance terms - but flexible, musical and well built					1B 1B	



Recorders

yet to make much of an impact on the domestic market. At present there are four types to choose from: DAT (digital audio tape), MD (Mini Disc), and DCC (digital compact cassette) and CD-R (CD Recordable). DCC is backwards compatible inasmuch as the machines can play regular audio cassette. MD's claim to fame is its optical disc format, which offers instant track access and can't be worn out like a tape. DAT has been on the market for quite some time now, but has never

igital recorders come in a variety of different guises, but have really 'made it' as a consumer medium due to the dearth of pre-recorded material. However it has begun to carve itself a niche in the top end of the market, replacing reel-to-reel as the audiophile's tape based medium. Home CD-R is coming into its own with Pioneer's PD-R05 machine attempting to set a trend.



FORMAT: Type of recorder, see above for descriptions DAC TYPE: Digital to analogue convertor: BS - Philips Bitstream, MB - multibit, Hyb - hybrid of multibit and bitstream technologies 1bit - single bit types such as MASH, bitstream, PWM etc

ADC TYPE: Analogue to digital convertor types as per DACs. PORTABLE: Can be run off batteries but not necessarily personal

OPTICAL IN/OUTPUTS: Digital socketry for optical cable.

ELECTRICAL IN/OUTPUTS: Digital socketry for electrical cable. FACTSBACK NUMBER: The Factsback reference for ordering a fax copy of the review. Use the contents page to find the Factsback information page.

BACK ISSUE: The issue of Hi-Fi Choice in which the original review appeared.

DIGITAL DECODDEDS

DIGITAL	RECO	ORDERS	FORMAT		OPTICAL PORTA	14, 41	FAXBAL IN/OUT	CK NU	SUE NUMBER
Product	Price(₤)	Comments			V	V			
Philips DCC170	250	Good sound quality for a portable that records as well, beating competition from MD in its group	DCC	BS	BS	•	•	•	1237 141
Philips DCC951	280	Offering 18-bit record and replay this does an impressive job in many ways but PASC is still a limitation	DCC	BS	BS		•		139
Pioneer D-05	800	Second generation 96kHz DAT recorder can offer startling realism with the right software - ie first generation	DAT	BS	BS		•	•	1652 152



DIGITAL RECORDERS (CONTINUED)

DIGITAL	REC	ORDERS (CONTINUED)	FORMAT I	ADC I	PTICAL PORTA VPE	TRICAL IN/OUT	FAXB, IN/OU IPUTS	ACK N.	SSUE NUMBER
Product	Price(₤)	Comments		V	V	V			V
Pioneer D-07	1,150	96kHz double sampling mode gives this deck a sense of naturalness missing from most DAT recorders	DAT	BS	BS		•	•	1089 133
Pioneer PDR-05	1,300	CD recorder that uses domestic blanks only (limited to 62 minutes), write once but excellent sound quality	CD-R	BS	BS		•	•	1652 152
Pioneer D-C88	2,000	State of the art portable 96kHz DAT recorder, the size of a lap-top computer this Nagra country on the cheap	DAT	BS	BS	•	•	•	1431 150
Sharp MD-M11	450	Slick MD personal with recording capabilities and rapid track access but less stunning sound quality	MD	BS	BS	•	•	•	139
Sony MDA-JA3ES	800	Full width MD recorder that makes a decent job of recordings but is less impressive with pre-recorded material	MD	BS	BS		•	•	1216 152



Headphones

here are a variety of different approaches to headphone design. Among the more expensive models, electrostatic drivers are used in open-backed phones. Most models feature dynamic (moving coil) drivers in circular, open or closed-back designs. The advantage of open backs seems to be a correspondingly open sound, but one can also hear external noise, of course. Closed-back designs are useful in situations where it is necessary to block out noise.

There are three styles of headphone: circumaural models enclose the ear; supra-aural designs feature a flat pad which presses on the outer ear; and intra-aurals (in-ear) rest inside the ear inself, à la personal stereos. For best results a separate headphone amplifier is recommended.



TYPE: Operating principle: D - dynamic, E - electrostatic. SUPRA-AURAL: Style where a flat pad presses on the outer ear. RAL: Style which encloses the ear. OPEN BACK: Offers an open sound but lets in noise

CLOSED BACK: Keeps out external noise. WEIGHT (G): Mass in grams IMPEDANCE (Ω): Load offered to the headphone amplifier. The higher the impedance the louder the sound for a given amplifier output.

3.5MM JACK ADAPTOR: Can be used with mini-jack-equipped onents such as personal stereos FACTSBACK NUMBER: The Facts back reference for ordering a fax copy of the review. Use the contents page

to find the Factsback information page BACK ISSUE: The issue of Hi-Fi Choice in which the

FACTSBACK NUMBER 3.5mm JACK ADAPTOR ISSUE NUMBER WEIGHT(g) **HEADPHONES** 4 AKG K240 Monitor 82 Something of a classic, these AKGs are very user-friendly in all respects; sonically on the warm side of normal D 240 63 AKG K1000 One of the best dynamics on the market, hooks directly into speaker outputs D 270 120 99 The closed back 910s are an improvement on the 909s, with a nice rhythmic quality rarely found with headphones 1 Audio Technica ATH910PR0 80 D 280 40 55 Bever DT100 152 Rugged, modular professional design, but bass is woolly and treble lacks detail D 350 600 157 40 1098 Uncharacteristically tight, unrefined sound quality from this otherwise well engineered 'phone D 124 133 Beyer DT311 49 Beyer DT331 82 Tonally bright and deficient in bass, but exceptionally comfortable, articulate, detailed and refined 40 Beyer DT411 69 A reasonable but not very thrilling headphone that doesn't really offer enough at the price. D 120 250 111 **Beyer DT531** D 245 250 144 129 A good buy for serious, heavy-duty music making Beyer DT911 219 Probably too revealing for many headphone amps, these are very subtle and fine, if expensive cans D 275 250 111 Denon AH-D550 80 A competant 'phone with integrity, but little panache or charisma. Hard headband causes brain strain D . 200 35 1801 157 110 Clear, open and dynamic with pedantically open mid-band. Crude physical design, rough frequency extremes D 60 8 . 1801 157 Grado SR-80 lecklin Float Model 1 Whilst very unusual in appearance, the Floats give remarkable sound quality and openness at a reasonable price D **Jecklin Float Model 2** Helmet shaped, but open sounding and comfortable in long term, despite lack of adjustment 63 D 400 200 99 IVC HA-D910 65 Broadly acceptable if unexciting design with low level losses and some colourations D 220 32 121 Kenwood KH-1000 20 First step up from a true mini: a near miniature which is cheap, comfortable and inoffensive D . . 30 32 . 121 Maxell HP-3000 30 D . 120 32 . 1099 133 Solid, smooth sounding supra-aural headohone, but congested and undynamic, Includes in-lead controls Pioneer SE-400D Acceptable, if unexciting all-rounder, this supra-aural phone has good long-term comfort levels 185 35 1099 133

BEST BUY VIVANCO - THE NAME BEHIND THE BEST BUYS



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Vivanco UK Ltd, Unit C, Boundary Way, Hemel Hempstead, Herts HP2 7SS Tel: 01442 231616 Fax: 01442 2355421

HI-FI CHOICE **130** BEST BUYS 1996

HEADPHO	N	ES (CONTINUED)	SUPRA	RCUM	OPEN B	OSED BA	IMPEDA WEIGHT	FACTS! JACK AL	ACK N	ISSUE NUN UMBER	IAr.
	Price(177	···AL	V	16K 1	(g) W	\ \ \	V	V	V
Ross RDH-300CD	17	In-lead controls are the highlights of this shoddy, sometimes aggressive sounding design	D	•			155	8	•		13
Sennheiser HD445 II	40	Still the one by which others at the price are measured, though now slightly leaden sounding, with a cold treble	D			•	125	52	•		12
Sennheiser HD455	50	Inoffensive, if nondescript sound, modular, but can become dislodged from head	D	•		•	185	60	•	1801	15
Sennheiser HD565 Ovation	140	Wide bandwidth design which is refined, expressive and extremely comfortable	D		•	•	255	150	•	1801	15
Sony MDR-CD770	100	Neutrality and comfort make the Sony easy to live with. Technically correct sounding too, yet musically unrewarding	D		•		-	-	•	1801	15
Stax Lambda Pro	449	Tested with SRD-7B PSU, this is an industry reference, and is frighteningly revealing	E		•	•	325	-			5
Stax Lambda Sig	549	With SRM-T1. Electrostatic - the Signature must be the most transparent headphone available	E		•	•	325	-			7:
Technics RP-HT700	70	Well-finished but physically crass and grubby sounding	D		•	•	255	-	•	1801	15
Vivanco SR606	40	Although slightly overblown at times, this model is easy on the ears and essentially enjoyable	D	•		•	225	32	•	1101	133
Vivanco SR650	50	Unusually comfortable 'phone with excellent detail resolution but aggressive, thanks to tweeter resonance	D	•		•	175	-	•	1801	15
Vivanco SR750	60	Cossetting physical design, attractive sound an pricing, though suffers overhang and lacks ultimate dynamics	D			•	188			1801	15
Vivanco IR7100	120	Infra-red phones that work well but suffer from the limitations of the medium ie compression and hiss(Sessions)	D	•		•	265	-			149



Hi-Fi Loudspeakers

slave of what has gone before; it is only as good as the signal it is fed. Nevertheless, the distortions introduced by loudspeakers (and rooms) tend to be the most obvious.

The average loudspeaker consists of an enclosure plus a couple of drive units behind a removable grille. Inside the box lurks a simple electrical circuit known as a crossover, which divides the incoming (full range) signal into the right bits for the drivers to handle. The designer's primary

s the last item in the hi-fi chain, the loudspeaker is merely the ask is to balance the 'sensitivity' of the loudspeaker (how loud it goes for a given electrical input) against the bass extension (how low it goes), for the given box size.

> Subwoofers augment the bass and come in passive and amplified active form, they are less sensitive to placement than regular speakers.



SIZE WirthO (cm): Width by height by depth in centimetres.
FLOORSTANDER: As opposed to requiring a dedicated stand.
SENSITIVITY (dB/MV): Efficiency: how much volume you get for a given input; the higher the louder.

IMPEDANCE (Ω): Measured in Ohms impedance it is a measure of how hard a loudspeaker is to drive: the lower the number the more powerful the amplifier needs to be.

BASS FROM (Hz): The lowest frequency that a speaker can

reproduce, based on in-room measurements. FREE SPACE: Speakers should be placed away from walls. CLOSE TO WALL: It is recommended that these speakers be placed close (between 3 and 12cm) to the rear wall.

FACTSBACK NUMBER: The reference for ordering a fax copy of the review. Use the contents page to find the Factsback page. BACK ISSUE: The issue of Hi-Fi Choice in which the original review appeared.

Product	Price(₤)		SIZE WAHAD(CM)		PEDANI B/W)			PACTS B LOSE TO SPACE	B. A	SSUE NO MBER
Allison AL100	100	Loud and lively budget wall-mount is big and beefy, but lacks sparkle and refinement	24.33.19		90	4	30		•	
Allison AL105	170	Pretty enough in appearance; sonically the AL105 doesn't really make the grade at the price	24,37,21		90	4	45		•	
Allison AL110	220	Compact bookshelf model is a little dry and mid-forward, but bass is extended and solid	24,40,23		90	4	28		•	
Allison AL120	420	Pretty well balanced if slightly mid-forward, but sound quality is disappointing at the price	28,61,29	•	90	4	30		•	
ATC SCM20	1,499	Massively built, invariably informative but the rather forward presentation can be uncomfortable	24,44,31		83	8	28		•	
Audio Innovations Alto	329	Styling makes competition look old-fashioned, but sound is thin and cold	20.38.26		88	6	45		•	1653
Audio Note AN-J/B	799	Light damping and local unevenness adds some colouration, but doesn't spoil the very speaker	38,58,25		93	8	25		•	
Audio Note AN-E/B	1,299	Coherent dynamic and transparent, with extended bass and high sensitivity - but ugly!	36,84,28	•	94	8	20		•	
Audio Physic Tempo	1,999	Tall and unusually styled floorstander has stunning stereo but suspect bass tuning	22,107,47	•	88	8	28	•	•	1344
Audiovector 3X	1,500	Superior time coherence, a wide dynamic range and exception bass/mid balance	19,32,98	•	89	8	20	•		1345
B&W DM302	130	highly competent and neutral all rounder; clever Prism enclosure	19,32,22		88	4	45		•	1778
B&W DM601	200	Great main driver for the price, entertaining dynamics	20.5,35.5,23		88	6	30	•		1779
B&W DM602	300	Prefers tall stands and space, but offers impressive midband dynamics and musical tension	24,49,31		90	8	30		•	1654
B&W CDM1	600	Gorgeous stand-mount delivers unusually good bass for its size	22,38,28		88	6	30	•		
B&W Matrix 805 V	995	Stylish, remarkable imaging, good balance and low colouration	33,33,21		87	8	30		•	
B&W Matrix 801S3	3,795	Lacks transparency and the drama of the best dynamics, but acoustically a tour de force	44,100,56	•	87	8	20		•	
Bose 305	430	Fine dynamic liveliness and a good room match counter strange imaging and treble	23,45,28		-	8	40	•		
Bose 401	500	Cheaply built but distinctively styled , the 401 suffers from heavy midband	30,30,76	•	8-	4	28			
Boston Acoustics HD5	139	Pretty miniature lacks boxiness, but is short of drama and dynamic drive	16,25,18		89	8	30	100	•	
Canon S-30	180	Moulded design has lively coherence, with 'wide imaging stereo'	23,27,24		90	6	50		•	
Canon S-75	1000	Unique 'wide image' floorstander has great charm despite some sonic flaws	25,79,25	•	87	4	26	•		
Castle Isis	230	Expressive with a full upper bass, tonally colourful with a big, dynamic sound (tested in Sessions)	17,35,19.5		87	8	60	•		1729
Castle Durham 900	300	Lovely veneer and lots of engineering create a very upfront, coherent and exciting sound	22,40,23		90	8	60		•	1162
Castle York	370	Real wood compact has an engaging transparency: fine balance and timing, but could use some authority	26,43,22		89	8	50	•		
Castle Severn	500	Light and bright, but sound is open and communicative. Looks good too	23,77,20		88	8	47		•	1655
Castle Chester	700	A brilliant throwback, using a horn type approach to provide startling dynamics and coherence	23,91,25	•	90	8	44	•		
Castle Harlech	800	Handsome big-sounding floorstander, great value and dynamic midrange	20,96,33	•	88	8	28	•		
Castle Howard S2	1,100	Ably fills the gap between Chester and Winchester; has a rich, laid back balance	26,104,41	•	90	8	40	•		1078
Castle Winchester	1,650	Large for its bass extension but engagingly agile, open and airy	42,108,23	•	90	8	35	•		
Celestion 1	99	It sounds a bit scrappy and untidy, but its heart is in the right place	16,27,21		86	8	50	•		
Celestion 3 MKII	139	Smooth and polished by budget speaker standards, if a bit laid back for some tastes	21,31,18		88	8	45	•		1036
Celestion Impact 23	300	Big, cheap and loud. Sounds coloured and old fashioned, lacks subtlety	28,82,29		89	8	30	•		1656
Celestion 15	389	Big box and but short on subtlety and control though long on both enthusiasm	21,100,25	•	89	8	28	•		
Celestion Impact 25	400	Both capable and enjoyable these rock boxes are real contenders in the bang-for-the-buck stakes	27,82,29	•	90	8	43	•		1758
Celestion SL6Si	429	This stereotype luxury compact can sound a bit dull and congested; favours CD	20,38,27		84	8	30	•		

4			PEAKERS (CONTINUED)	FLOORSTAND	CA	1	(17)	(1/5)	ACE	411	SSUE
	Product	Price(£)	Comments	FLOORSTAND	V	EDANG B/W)	V	FREE (HZ)		BACK NO WALL	
	Celestion 300	1,099	Splendid bass extension and fine panel-like openness, but dynamics and timing are suspect	21,97,33	•	84	8	20	•		
	Cerwin-Vega VS10	350	Not all that refined but ballsy as heck, these rock boxes have no shortage of gung ho	33,70,29	•	95	6	37	•		175
j	Dali 104B	370	Lively, rich sounding and communicative. Shame about bland styling and dull balance	22,86,27	•	93	4	28	•		165
	Dawn Audio Chorus FS	698	Compact floorstander with superb coherence but rather forward midband. Would suit smaller rooms best	26,88,21	•	89	8	30	•		
j	Epos ES12	500	High quality luxury stand-mount has great midband and stereo imaging	20,38,25		85	8	45	•		
	Epos ES14	675	Substantial stand mount delivers delightful midrange focus and delicacy with good bass control	23,49,29		87	8	25			
	Epos ES22	1,185	Elegant floorstander with 'safe' balance that can be enlivened with the right cable and energetic material (Sessions)	21,88,25	•	87	6	58	•		16:
	Epos ES25	1,655	Handsome floorstander with a rather uneven and bass heavy balance	24,90,35		88	6	22	•	800	13
	Faraday Siren	445	High mass concrete cabinet is let down by imbalance of ageing driver combination	25,27,46		90	4	48	•		
	Gale Model 4	200	Low cost floorstander; sounds a bit edgy, with detached bass	19,79,22	•	87	8	28	•		17
	GLL Imagio IC130	550	Lots of speaker for the money, but sound is decidedly dull and shut in	22,112,29	•	88	4	20	•	B. 1	
	Harbeth BBC LS3/5A	699	Still a classic miniature, though not to every taste, and none the better for the recent update	19,30,18		82	10	80	•		
	Harman/Kardon LS0200	149	Laid back to a fault but entertaining nevertheless, and a big box for the price	21,35,30		87	8	30	-		10
	leybrook Prima	139	Fine pace and timing, but balance is forward and bass is tight	20,29,18		87	6	50	-	•	
	Heybrook Solo	199	Untidy bass and treble, but handles complex rhythmic material well	23,36,23		89	-	28		•	
	Heybrook Trio	373	HBS1 drivers in real wood enclosure give a sweeter and more forgiving sound	24,47,25		89	8	45	•		
	leybrook Heylo	389	Good vocal reproduction, but sounds thin and bass seems an afterthought	23,73,19	•	100	8	30	- Contract	1	16
		499		22,98,28	•	100	8	38	No.		10
	Heybrook Heystak	-	Elegant, highly detailed and level-headed sound, but could use injection of life			100	-	W0077	500		
	Heybrook Quartet	575	Solidly large bookshelf model with good sensitivity and a lively, forward sound	24,41,22		90	8	48	-		
	leybrook Sextet	1,129	Coherent and highly analytical, partly due to distinct upper-mid forwardness	27,90,20	•	200	8	25	-		11
	nfinity Reference 1i	150	Although not to our tastes, this is a competent speaker, and decent material value	20,34,20	6	89	6	50	•		14
	nfinity Kappa 6.1i	995	Good extension, but bass is fat and slow, and dynamics are unconvincing.	31,95,25	•	-	5072	25	•	E.	10
	amo Cornet 40.4	150	Pretty presentation and a strong box, but poor driver fixing. Decent if bright sound	20,32,22		89	8	48	2		10
	amo BX100A	370	A cracking output for their size these rock boxes can be a tad bright but have decent bass	31.5,54,28		91	8	40	•		17
	amo Classic 8	430	A lot of speaker for the money; good when playing quietly, but boom 'n tizz character sounded crude	22,90,29	•	100	100	28	-		16
	amo 477	500	Very prettily styled, but build and sound quality are disappointing at the price	19,77,28	•	-	4	40	970		15
l	amo 707A	900	Superb styling and cosmetics and decent balance apart from detached bass	26,38,104	•	-	4	25	•		10
	BL Control One	115	Sub-miniature with forward midrange and real bass; price justified by build	24,156,14		87	4	100	-		
	BL TLX70	400	Startling bass weight from party animal that is let down by rather bland high frequencies	27,88,28	•	88.5	8	50	•		17
	BL L20J	850	Pricey, heavy and a bit laid back, but this is a fine rock'n'roller which is dynamic and communicative	26,42,28		86	8	30	•		15
	BL L90	1,300	A classic monitor which communicates with gusto and enthusiasm, though it can sound a tad crude	24,94,35	•	91	6	23	•		
	BL Ti 1000	1,600	Performance compromised by over enthusiastic midbass output from port	20,30,13		89	4	45	•		
	ordan Watts JH400	820	Piano finish hexagon has controversial sound, with uneven balance but delightful mid	28,38,21		86	8	50		•	
	PW Mini Monitor	60	Ultra-cheap miniature works well in a limited way	18,27,17.5		86	8	50		•	17
	PW Gold Monitor	80	More informative than Mini Monitor - but fiercer too	18,27,17.5		86	Story .	50		-	17
	PW Sonata	120	Fine sound if limited bass and dynamic range, wood veneered at a silly price	23,32,22		87	-	70	•		**
	PW P1 Vinyl	150	Competent loudspeaker for the price, with a safe sound that won't disappoint	26,44,25		89	-	65	•		
	PW P1	170	Longstanding design is remarkable material value (real wood etc) and sounds pretty too	26,44,25		89	8	65	•		16
		200	Real wood finish, and performance is cleaner but similar to P1 Vinyl overall	26,44,25		89	8	65		•	10
	PW AP2	230		26,52,29		88	8	55	•		
۰	PW AP3		Good stereo and well balanced overall; character is well suited to vinyl replay			87	-	55	-	-	1.5
	PW Ruby 1	500	Very pretty but pricey luxury metal-cone miniature has good, if slightly edgy balance	19,32,21		-	6	Parent .	•	1000	15
	EF Coda 7	130	Lovely open voice reproduction, but bass could be tauter; build tougher	18,30,23		88	6	50		•	-
	EF Coda 8	190	Outstandingly well balanced, bass is deep but a little vague	20,32.5,29		86	6	28			17
	EF Coda 9	300	Uneven budget 3-way floorstander with poor bass definition	20,86,28	•	100	6	30	•		17
	EF Q30	379	Fine focus from Uni-Q driver, but lacks drive and time coherence	19,73,30		88	6	44	•		
	EF Q50	529	Compact twin-driver floorstander with Uni-Q treble and a rather midbass, heavy overall balance	19,83,30	•	89	6	50			15
	EF 104/2	1,799	A reference point for dynamics, best without KUBE, suited to many rooms.	28,90,41	•	92	4	50	•		
	eswick Audio Aria II	329	Confident and dynamic sound, if a little crude and shut in	21,42,24		89	8	20			14
	inn Keilidh Passive	700	Stunning timing and coherence, and awesome bass drive	20,83,28	•	87	4	22		•	15
	inn Kaber Passive	1,800	Dry, bright balance emphasises dynamics and transients, but can sound unforgiving	20,90,28	•	555	4	25		•	
	iving Voice Air Partner S	27,000	Outstanding transparency and dynamics from remarkably solid and fast mega horn	64,160,90	•	108	8	40		•	
	umley Reference LM4	375	Metal diaphragm and wood veneer; balance uneven upper and has suspect timing	18,36,22		86	6	44	•		
ė	umley Reference LM3	895	Despite indifferent bass alignment, LM3 is fast, coherent, solid and informative	27,87,28	•	6000 C	8	30	•		
	leridian DSP6000	8,500	Sophisticated digital design, with a wide ranging, refined and detailed sound. Has onboard amplification	28,133,43	•	-	-	35	•		12
	leridian DSP5000	2,995	State of the active loudspeaker art, a high grade design with unique capabilities. Has onboard amplification	21,90,30	•	-	-	35	•		12
	lission 731	130	Much improved bass but dull top; likes to play loud	17.5,31,18		87	6	45		•	
	lission 732	200	Attractive presentation but a rather dull and thick sounding speaker, and a tad pricey too	20,41,30		89	8	45	•		16
	lission 733	300	Duller than before, though still an honest all-round package	20.5,87,30	•	277	8	45	•		17
	lission 751	300	Gorgeous looking, very petite; boogies with a sting at the top	17.5,32,26		87	8	45		1	17
	lission 734	430	Fine all rounder, and good value, but dynamically a bit lazy, and tweeter quality limited	21,84,33	•	90	8	43	•	Here 6	16
į				A STATE OF THE STA	-	distributed and	-	-	-	B	-
	lission 752	700	Brilliant style, engineering and sound	20,88,26	•	90	8	50	•		15
	lission 753	700	Gorgeous presentation and potential for open transparency.	21,88,32	•	90	6	45	•		
	Monitor Audio MA201	300	Lively and coherent with good power handling, but also a bit shut in and coloured	22,41,40		90	8	40	•	500 B	11
	Monitor Audio MA202	450	Uneven, informative and easy-listening floorstander delivers decent scale	22,89,27	•	1000	8	50	•	10	15
	Monitor Audio MA700 PMC	500	Good looking luxury compact with all-metal diaphragms, lovely midrange, but occasionally edgy	22,35,26		89	8	45	•		16
	Monitor Audio MA703 PMC	800	Lovely but pricey floorstander has up-front, coherent 'shiny' sound	20,89,27	•	Military	8	50	•		8
	Monitor Audio Studio 6	900	Metal diaphragm compact has transparent midband but lacks vigour and drive	22,35,25		88	8	45	•		
	Monitor Audio Studio 12	1,000	A real looker, but sound and content are a bit on the small side for the price	17,92,20	•	90	8	28	•		134
	Mordaunt-Short MS10i	140	Up front, bouncy and a whole lot of fun	18.5,30.5,20		86	8	50		•	178
	landaunt Chart CW1	150	Prettily finished and inexpensive passive subwoofer is only really useful with sub-miniature speakers	24,58,26		90	8	40	100	•	0
٨	lordaunt-Short SW1	130	Trettily illiance and inexpensive passive subwooler is only really ascial with sub-illimitative speakers	24,30,20		30	0	40	200	Mary P	

132 BEST BUYS 1996 HI-FI CHOICE

March 1999-109 1.000 1.0		Price(£)	PEAKERS (CONTINUED)	FLOORSTAND	CP	EDANCE W)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	FREE (HZ)	٥,	······	~CR	BER
Miscael Exchange Parietries 400 Way purty parkage, good mapsed performance and seen search. Search Systems 2,88,22 0	The second secon	1										
Name Suff Problem Mile Myllinger The Carlot Myllinger The Carlo	The second section is a second second section of the second section se	-		-	-	-	-	-	****			-
New Particular 5-25 Capacid content functional transport of humans from any water from the Price of 1-25 Capacid content functional and value (Price of 1-25 Capacid Content for 1-25 Capacid Content	***************************************	-		The second secon	100	-	- Company	No.	•	-		-
Near-Parison 743 745 7		-		-		-	-	-			1332	160
Comparing the Model 20 19 19 19 19 19 19 19 1		70				- C		B 50		•		160
Margin Light 1907 200		0.00			6	-	-	-	•	-	1664	
Name Company 1979				The state of the s		1000	100	-	-			106
First Naturage Numbers - 1986 1986							-	- China and a second	-		-	122
Primater S-VIN 250		100		-			-		•			142
File 1.570 1.200 1.901 1		250		21,37,28		88	6	50	•		1157	139
Prise Register 1 20 20 10 10 10 10 10 10 10 10 10 10 10 10 10	Polk LS50	800	No enthusiast tweaks here, but powerful and beautiful balance	27,83,29	•	89	8	25	•		1155	138
Superb parameters and the legal back sound, well worth senting and 1,000,000 1,000,0	Polk LS70	1,200	High sensitivity, but balance has too much midbass boom; mid-top is laid back	31,94,37	•	90	8	-	•		1084	132
Procedure 1988 Designating smoothmens and Transparency, Drough bass and finale are both immed: 1,55,55 1,50 2, 2			For aspirant high-enders looking for seriously good conventional boxes, this speaker should be fist port of call	-	•	A COLUMN TO THE PARTY OF THE PA	The same of	-	-		1457	
Medical 1.598	PMC TB1	-	Superb transparency, subtle laid back sound, well worth seeking out	-		-	-	-	200			160
Seal Part New Part Seal Part New Part Seal Part New Part Seal Part New Part New Part Seal Part New Part Seal Part New Part New Part Seal Part New Part Ne	PMC LB1	998	Delightful smoothness and transparency, though bass and treble are both limited	The same of the sa		-		and the same	Charles and the Control of the Contr			110
2004 Obline 222		-	Lovely panel-like transparency, slightly shut-in balance, needs a big room	A CONTRACTOR OF THE PARTY OF TH	Br.	-	100	Name and	-			114
Clased EL-63 2,500 Clases of electrocatine Lake's purch, but has strengths some can't live without the pressure of the press byte 138 Hiss period from any other press 138 H		-			100	-	-	-	100		-	160
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Legis State 1,040 Looks and sounced great: balance beingt that charence seem the receiver Revertise 19,52 57 8 4 5 6 9 1900		-	, , , , , , , , , , , , , , , , , , , ,			-	-	-		B	1570	122
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Receiver 260 350 As concernses presented in civil with plant of accellent value for money 21,516,50 88 6 48 0 1407	The state of the s	100		The second secon	•	100	0.5	-	-	-	-	relative reco
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Regers Studio 3	****	-		Management of the Control of the Con		-	200	40	-	-		
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Regert Studio 5 699 Clever ABI stand/subworder height the classes (3-Ah monthor give its best sheft, 1931.17 9.82 12 45 1.556				000000000000000000000000000000000000000		200	500	30				118
Regers Studio 7 699		7/3		-	•	-	-	-	2507		-	-
Regers Studio 7 899 Latest variation on classic BBC-monitor theme has beautifully voiced, laid back sound 306,33,0 90 8 30						-		1	-	-	-	
Robesan BiOsone 6.00 Larges stand-mount is musically very communicative if a little coloured 21,63,33 89 6 30 1088		- 1		-		100	-	-	-			122
Robass I Glass Black 795 Squat, stylish and black, great bass entension and somewhat uneven balance 28,86.46 • 88 8 20 1022 Roby Ministral 249 Velt much wellie or loudness but fine coherence and timing, a bit bright 10,000 10,		-		With the same of t		-	-	-			-	160
Royd Merlin 249 Not much wellio or loudness but fine coherence and limings a bit bright 249 104 288 1409		-		-	•	-	-	200	•		1082	132
Royd The Sorcerer 595	Royd Minstrel	249		18,69,12		86	8	30	•		1167	135
Reyd New Soft Review Soft Extremely musical and communicative speaker that fun to listen to. Aesthics could use improving though 20.31,18 86 8 35 New Royd Abbot 655 Dynamic and fine transient qualities are hampered by a rather coloured mid-floward balance 20.81,30 90 8 43 New Royd Abbot 20.81,30 20 8 8 5 New Royd Abbot 20.81,30 8 8 6 New Royd Royd Royd Royd Royd Royd Royd Royd	Royd Merlin	298	Invigorating and exciting design with plenty of upfront detail, but balance lacks warmth and a tad overpriced	20,31,18		86	8	33	•		1409	148
Royd Abbot 665 Dynamic and fine transient qualities are hampered by a rather coloured mid-forward balance 20,81,30 • 90 8 43 •	Royd Doublet	450	Great value compact floorstander; lively and very informative, if a little uneven	18,93,19	•	90	4	28	•			160
Ruark Templar 499 Striking baffle gives decent bass/mid but dull treble, could tame over-bright system 19,70,27 87 8 25 ● Ruark Talisman II 749 Less ideologically committed than some, strength less in fine all-round coherence 23,44,122 88 8 30 € 1227 89	Royd The Sorcerer	595	Extremely musical and communicative speaker that fun to listen to. Aesthics could use improving though	20,31,18		86	8	35	•			139
Ruark Talisman II	Royd Abbot	665	Dynamic and fine transient qualities are hampered by a rather coloured mid-forward balance	20,81,30	•	90	8	43	•			118
Ruark Equinox 1.849 The primary strength of this speaker is its ability to remove itself from the picture 25.88.34	Ruark Templar	499	Striking baffle gives decent bass/mid but dull treble; could tame over-bright system	19,70,27		87	8	25	•			122
SD Acoustics SD3R 399 New SD3 has the agility and charm of a quality miniature, good bass and low sensitivity. 20,38,30 87, 8 25 ● 30 Acoustics SD5 30 Acoustics SD5 1,235 Bass suspect but forward midband is delightfully smooth. Has ribbon tweeter 20,110,30 ● 88 8 30 ● 1081 Abshahinan Arc 1,675 Occasionally wonderful small floorstanding ominipation the cheeren and rewealing 35,69,25 88 6 24 ● 55,69,20 Classification of Cocasionally wonderful small floorstanding ominipation to the reading 35,69,25 88 6 24 ● 57,69,20 Classification of Cocasionally wonderful small floorstander with delicately coherent, laid back sound 58,99,20 € 87 8 30 ● 57,89,20 € 87 8 8 30 ● 57,89,20 € 87 8 8 30 ● 57,89,20 € 87 8 8 30 ● 57,20 € 87 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8 30 ● 57,20 € 87 8 8	Ruark Talisman II	749	Less ideologically committed than some, strength lies in fine all-round coherence	A STREET OF STREET	•	88	8	30	•			118
SD Acoustics SD5	Marie Control of the		The primary strength of this speaker is its ability to remove itself from the picture	25,88,34	•	-	-	-	•		1227	140
Shahinian Arc 1,675 Occasionally wonderful small floorstanding omni, bright but coherent and revealing 35,69,25 88 6 24 Spendor 2020 399 Utilising an oval drive unit in a stylish cabinet this is a neutral design with AV inclinations (tested in Sessions) 18,34,26 87 8 1756 Spendor 2030 600 Discreet slimine floorstander with delicately coherent, laid back sound 18,89,27 87 8 30 Spendor 2030 760 Maintains Spendor's tradition for peerless mid-to-treble coherence and perspectives. 22,38,26 84 8 2 5 Spendor 520 760 Maintains Spendor's tradition for peerless mid-to-treble coherence and perspectives. 22,38,26 84 8 2 5 Spendor 520 Fine coherence and remarkable dynamic freedom some something so small, though there's little real weight 15,27,21 89 8 6 0 1410		-		MARKS STATE OF THE PARKS OF THE		-	-	-	-			106
Spendor 2020 399 Utilising an oval drive unit in a stylish cabinet this is a neutral design with AV inclinations (tested in Sessions) 18,34,26		-		-	•	10000	-	-	-		-	
Spendor 2030 Company			, and the second	NAME OF TAXABLE PARTY.		-	-	24	101		-	110
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System Audio 905 250 Fine coherence and remarkable dynamic freedom some something so small, though there's little real weight 15,27,21 89 8 60 1410		-		Contract of the Contract of th	•	-		-	-			160
Tannoy 631 149 Balanced, open, unboxy and quite lively, but lacks muscle 19,34,15 87 6 60 1616	122-22-22-22-22-22-22-22-22-22-22-22-22-	100		-		-	-	-	000-1			102
Tannoy 631SE 170 Very refined midband; maybe too laid back for some 13-19,34,16 86 7 45 1791	***************************************			-		-	-		2007	100	-	-
Tannoy 632 189 Clever cabinet avoids boxiness and promotes focus imaging and bass 13,51,27 88 20 25 1168 Tannoy 633/II 300 Impressive bass and balance from very compact floorstander. Upper midband could be cleaner 29,75,28 88 85 20 1665 Tannoy 635 450 Beefy low-line floorstander packs real bass punch and an up-front balance 17-29,85,27 90 6 22 1 Tannoy 638 599 Big value vinyl big box has good balance and lots of loudness, but needs a good amp. 33,96,32 91 6 25 1558 Tannoy DS00 1,470 Plenty of muscle and stereo, but short of poise and delicacy. Hard work for amps 31,93,34 91 6 20 1355 Tannoy Westminster TW 6,000 These awesome horn loaded speakers are remarkably controlled and impressive large 99 8 38 9 10 1043 TOL Near Field Monitor 100 Despite low price, this is an unimpressive performer, poor low frequency resolution and analysis being main flaws 18,30,17 87 8 50 1043 TOL RTL2 300 Spacious, weighty and enveloping sound if you can accept the laid back balance 20,73,22 87 8 25 1412 TOL RTL3 400 Bargain price floorstander has rich, heavy and bright sound with a good scale 20,90,37 90 8 25 1010 TOL Studio 1 699 Genuinely extended bass from a compact enclosure, very detailed but a shade clinical 23,77,33 86 8 20 1010 TOL Studio 1 699 Genuinely extended bass from a compact enclosure, very detailed but a shade clinical 23,77,34 86 8 20 1010 Tol Studio 1 699 Genuinely extended bass from metal cone driver 23,77,34 86 8 20 1010 Tol Studio 1 7 Transmission line helps bring the best from metal cone driver 23,77,34 86 8 20 1010 Tol Studio 1 7 Transmission Ine helps bring the best from metal cone driver 23,77,34 86 8 20 11413 Technics SB-M20 200 Well balanced with natural perspectives and fine midband coherence, but bass is a bit boxy and uneven 20,32,23 70 8 50 1413 Toles SB-M500 450 This model offers a clean, open sound, offset by midbass heavy balance and low sensitivity 25,78,37 100 8 50 1413 Toles Male SB-M500 450 This model offers a clean, open sound, offset by midbass heavy balance and low sensitivity 25,78,37 100 8	The state of the s			A STATE OF THE PARTY OF THE PAR		-		-		-	-	-
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Fannoy 638 599 Big value vinyl big box has good balance and lots of loudness, but needs a good amp. 33,96,32 • 91 6 25 • 1558 Fannoy D500 1,470 Plenty of muscle and stereo, but short of poise and delicacy. Hard work for amps 31,93,34 • 91 6 20 • 1355 Fannoy Westminster TW 6,000 These awesome horn loaded speakers are remarkably controlled and impressive large • 99 8 38 FIGURE Near Field Monitor 100 Despite low price, this is an unimpressive performer, poor low frequency resolution and analysis being main flaws 18,30,17 87 8 50 • 1043 FIGUR RTL2 300 Spacious, weighty and enveloping sound if you can accept the laid back balance 20,73,22 87 8 25 • 1412 FIGUR RTL3 400 Bargain price floorstander has rich, heavy and bright sound with a good scale 20,90,37 • 90 8 25 • 100 Studio 0.5 499 Tiny floorstanding transmission line lacks coherence or the balance of Studio 1 20,62,30 85 8 40 • 100 Studio 1 699 Genuinely extended bass from a compact enclosure, very detailed but a shade clinical 23,77,33 86 8 25 • 100 Studio 1 899 Transmission line helps bring the best from metal cone driver 100 Studio 1 899 Transmission line helps bring the best from metal cone driver 100 Studio 1 899 Transmission line helps bring the best from metal cone driver 100 Studio 1 899 Transmission line helps bring the best from metal cone driver 100 Studio 1 899 Transmission line helps bring the best from metal cone driver 100 Studio 1 899 Transmission line helps bring the best from metal cone driver 100 Studio 1 899 Transmission line helps bring the best from metal cone driver 100 Studio 1 899 Transmission line helps bring the best from metal cone driver 100 Studio 1 899 Transmission line helps bring the best from metal cone driver 100 Studio 1 899 Transmission line helps bring the best from metal cone driver 100 Studio 1 899 Transmission line helps bring the best from metal cone driver 100 Studio 1 899 Transmission line helps bring the best from metal cone driver 100 Studio 1 899 Transmission line helps bring the best from metal cone driver 100 Studi	Cardania and a construction of the constructio			PRODUCTION OF THE PARTY OF THE	-	-	Approximate the second	to book on the	-		-	160
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Thiel SCS 1,379 Class leading coherence and communication, but can sound shut-in and dark 23,92,41 • 87 4 45 • Totem Model One 995 Utterly delightful but exasperatingly expensive luxury miniature sets the benchmark for its size 17,31,23 87 4 28 • Vandersteen 2Ce 1,395 Elegant staggered baffle contributes to a refreshing freedom from boxiness 41,101,27 • 88 7 23 • Visionik David 6001 163 Sharp styling, but the complex grillwork worsens a sound which starts off with too much top and not enough bottom 13,20,12 87 8 130 • Wharfedale Valdus 400 199 Goes very loud with a minimum of amplification, but the sound is very thick and uneven, with a heavy upper bass 25,80,26 • 91 8 30 • 1414	Technics SB-M20	200	Well balanced with natural perspectives and fine midband coherence, but bass is a bit boxy and uneven	20,32,23		70	8	50	•		1413	148
Totem Model One 995 Utterly delightful but exasperatingly expensive luxury miniature sets the benchmark for its size 17,31,23 87 4 28 • Vandersteen 2Ce 1,395 Elegant staggered baffle contributes to a refreshing freedom from boxiness 41,101,27 • 88 7 23 • Visionik David 6001 163 Sharp styling, but the complex grillwork worsens a sound which starts off with too much top and not enough bottom 13,20,12 87 8 130 • Wharfedale Valdus 400 199 Goes very loud with a minimum of amplification, but the sound is very thick and uneven, with a heavy upper bass 25,80,26 • 91 8 30 • 1414	Technics SB-M500	450	This model offers a clean, open sound, offset by midbass heavy balance and low sensitivity	25,78,37	•	200	8	25	•		1666	152
Vandersteen 2Ce 1,395 Elegant staggered baffle contributes to a refreshing freedom from boxiness 41,101,27 • 88 7 23 • Visonik David 6001 163 Sharp styling, but the complex grillwork worsens a sound which starts off with too much top and not enough bottom 13,20,12 87 8 130 • Wharfedale Valdus 400 199 Goes very loud with a minimum of amplification, but the sound is very thick and uneven, with a heavy upper bass 25,80,26 • 91 8 30 • 1414	Thiel SCS	1,379	Class leading coherence and communication, but can sound shut-in and dark	23,92,41	•	87	4	45	•			114
Wisonik David 6001 163 Sharp styling, but the complex grillwork worsens a sound which starts off with too much top and not enough bottom 13,20,12 87 8 130 • Wharfedale Valdus 400 199 Goes very loud with a minimum of amplification, but the sound is very thick and uneven, with a heavy upper bass 25,80,26 • 91 8 30 • 1414	Totem Model One	995	Utterly delightful but exasperatingly expensive luxury miniature sets the benchmark for its size	17,31,23		87	4	28	•			122
Wharfedale Valdus 400 199 Goes very loud with a minimum of amplification, but the sound is very thick and uneven, with a heavy upper bass 25,80,26 • 91 8 30 • 1414	Vandersteen 2Ce	1,395	Elegant staggered baffle contributes to a refreshing freedom from boxiness	41,101,27	•	88	7	23	•			86
	Visonik David 6001	163	Sharp styling, but the complex grillwork worsens a sound which starts off with too much top and not enough bottom	13,20,12		87	8	130	•			74
Wester Liver Food	****	199	Goes very loud with a minimum of amplification, but the sound is very thick and uneven, with a heavy upper bass	25,80,26	•	91	-	30	•		1414	148
WNAITBOALE VALOUS 299 Offering a large version of events these rock boxes can move plenty of air, albeit not as subtly as alternatives 25,108,26.5 • 91 4 40 • 1758	Wharfedale Valdus 500	299	Offering a large version of events these rock boxes can move plenty of air, albeit not as subtly as alternatives	25,108,26.5	•	91	4	40	•	1	758	155

HI-FI CHOICE

BEST BUYS 1996 **133**

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•	SUBWOO	OFER	!S	SIZE WXHXO(CM)	INPL ITY(dB)	BASS DANCE W	FROM	FACTSBA CLOSE TO FREE SPACE	ACK NUMBER WALL	VMBER
	Product	Price(£)	Comments		V	∇	\mathbf{V}	V V	\vee	V
	B&W AS6	500	Good material value with a fair amount of low bass from 100W active design	45,51,45.5	•			30	1736	154
A	Boston Acoustics SW10	450	A little thumpy but transparent with good timing and goes loud (active)	28.5,50,42	•			33		128
	Celestion CS135	139	Compact hideaway passive sub lacks deep bass: for high sensitivity speakers	52,19,34	•	86	8	45	•	128
	Infinity RS10	500	A very cute cube of an active sub but midbass is boomy with no real extension	34,34,34	•			38		128
	Jamo SW600	530	Has some neat styling touches and remote control but deep bass is limited (active)	38,41,53	•			30	1736	154
	KEF Model 30B	500	Commendably discreet with good sense of timing but limited extension (active)	38.5,37,43	•			45	1736	154
	KEF AV1	2500	Works well, looks great, shakes the windows but costs a lot and is bulky	56,43,50	•			45		128
4	M&K VX-7B	450	Baby of a big range this active design delivers deep, plenteous bass albeit lacking in transparency	35,25,37	•			40	1736	154
	Mordaunt-Short SW1	150	Fair value, can help sensitive small speakers but no serious extension to match upper bass	58,24,25	•	85		45		128
4	REL Q-Bass	350	Smashes the price barrier for deep bass performance	40,41.5,40	•			20	1670	154



Stands & Supports

i-fi fumiture is more important than you might imagine. The effect it can have on the sound of your system is far from subtle. Hi-fi fumiture can be split up into two categories equipment supports and loudspeaker stands.

It is not entirely clear what makes a great equipment support, but some are definitely more equal than others. There's a variety of approaches and materials used, including particle board, glass and all manner of steel tube and section.

Speaker stands come in a variety of sizes and styles to suit different models. Use dealer or manufacturer recommendations to narrow down the choice, but as a rule you want the tweeter at ear height.



KEY

HEIGHT (CM): Height of stand or equipment shelf.

TOP PLATE SIZE (CM): Dimensions of top plate on speaker stand or equipment support.

FILLABLE: Some speaker stands can be filled with sand and/or

lead to increase mass, which affects sound.

WELDED: The better stands and supports are welded rather than botted together.

NUMBER OF SHELVES: The amount of tiers on an equipement

rack or support.

SHELF TYPE: Material that shelves are made of on an equipment rack. Wood generally means MDF.

FACTSBACK NUMBER: The Factsback reference for ordering a fax

copy of the review. Use the contents page to find the Factsback information page.

BACK ISSUE: The issue of Hi-Fi Choice in which the original review appeared.

STANDS &	S	UPPORTS	TOP PLATE SIZE HEIGHT(CM)	NUA CM) FILLAS	MELDEL	SHELVES SHELVES	BACK NUMBER F TYPE
Product P	rice(£) Comments	V	V	VV	V	VV
Equipment Supports							
Audiophile Furniture Base	480	Easy to set up, well ordered sound	40			4	Wood 163
Fi-Rax R4	250	Lively, exuberant sound, slightly weak bass				5	Glass 163
Mana Acoustics Ref. Table	350	King of its type, angle iron, chipboard and glass combined to make a significant difference to sound quality			•	1	Glass
Mana Acoustics 5 Tier Amp Stand	d 600	Infinitely upgradable. Persuasive and thrilling glass and angle iron design that adds speed and bandwidth to components upo	ı it		•	5	Glass 163
Quadraspire Q4	200	Easy to live with, and tonally neutral				4	MDF 163
Sound Organisation Z038	130	Too lively and lacking order - but cheap	50	40,84	•	5	Wood 163
SoundStyle Select 6105	280	Respectable sonics, structurally solid and smart				5	Glass 163
Stands Unique Sound Tower	249	Adds colouration, and lacks weight. Optional Isolation Platform	81	72,42		5	Glass 163
Target B5	175	Free of colourations, fine grip and good value			•	5	Wood 163
Speaker Stands							
Alphason NC I	45	Filled single column design without threaded spike holes that's appropriate for non-critical applications	40-60	16,16	•		137
Alphason NCII	80	Tall, slim and elegant, though sound and value are unexceptional	40-60	17,17	•		B. B.
Alphason Titan	120	Excels in the midband and allows voices to come across in a detailed an d expressive fashion	40-60	16,16			137
Apollo AZ6	80	Fine engineering value, but sound unexceptional and top-plate small	66	15,13)	
Atacama BD21	55	Good looking and good value but doesn't match the SE24's sound quality	56	15,17	•		
Atacama SE24	70	Stand out from the budget crowd because of the consistency and overall quality of the performance	61	19.5,17		1	137
AVF Tower 400	35	Ridiculously cheap and much better than no stand at all	54	17,20	•		
Ixos Deadrock 903	50	Smooth and tonally even but short on definition. Deep bass is soft which doesn't help timing	60				137
Gale Reference 600	60	Smooth sounding with impressive bass well suited to less civilised speakers	26.5				137
Kudos S50	100	Better sound than the budget stands, particularly at the bottom end	60	15,21	•		
Kudos S100	270	The best all round stand around Probably	63	15,21	•		
Mana Soundframes	125	For use under floorstanders and equipment racks these make music effortless and natural, can be stacked for greater effect	5				137
Partington New Merlin	60	Although light in weight, the stands performance seemed remarkably muscular but musical rendering lacked a little precision					137
Partington Discovery	80	The depth and substance of the presentation truly added to the convincing nature of the system's portrayal					137
Partington Trophy	100	Four column design with damped top and base plates, sound is tight and cogent with smoothly integrated detail					137:
Revolver RS1	70	A good blend of performance and appearance for the price	53	18,18	•		
RMS/Stands Unique Vivas	550	Pricey carbon fibres give ultra-clean sound with exceptional voices	50	N/A			
Soundstyle 124	100	Big, shiny and solid, with fine midband projection	65	17,16	•		
Sound Style Z024	100	Three pillar triangular based design with high gloss finish. Enhusiastic sound suited to better systems	61				137
Stands Unique HP	220	Real wood disguises high performance tuned technology	59	22,23			
Sound Organisation Z124	80	Atacama style big pillar. A pleasantly balanced performer, tonally even with good timing and dynamics, but leaks sand!	61		•		1373
Sound Organisation Z129	110	Heavy four pillar design, extracts detail well and very little colouration together with an excellent sense of timing	74		•		1373
Target R1	280	Truly high mass four pillar design with superb weight and speed, giving music delicious attack and outstanding imagery	53	15,21		B.	1373
Target TR60	67.50	Lively, dynamic midrange and detailed treble from a less than audiophile oriented twin column design	60	15,15			1373

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Tonearms

umtables at the cheaper end of the market tend to be supplied with a matching tonearm, and often include a 'starter' cartridge. Still better quality is found at higher prices among the separate motor units and tonearms. Careful partnering and set-up is essential for these components.

Although the turntable is the most important part of a record player, the tonearm is the second most important, and the quality of its construction and design have a significant bearing on sound quality. There are three basic types of arms listed in the key and each has its strengths, but pivoted designs are the most popular, for reasons both practical and economical.



KEY

EFFECTIVE MASS: This relates to cartridge compliance. Generally high mass arms are suitable for low compliance cartridges and vice versa

PARALLEL TRACKING: An arm which allows the cartridge to

track the disc in a linear fashion PIVOTED: Arms which allow the cartridge to describe an arc as

they traverse the record. UNI-PIVOT: Pivoted arms with a bearing that allows movement in two planes EFFECTIVE LENGTH (cm): Length of arm from bearing to cartridge mount

ADJUSTABLE HIEIGHT: Important for accurate cartridge set-up.

FACTSBACK NUMBER: The reference for ordering a fax copy of the review. Use the contents page to find the Factsback. BACK ISSUE: The issue of Hi-Fi Choice in which the original review appeared.

TONEAR	MS		EFFECTIVE MASS TRACKING	ECTIVE LENG UNI-PIVOT OTED	TABLE HELL TH(CM)	ISSUE NU NUMBER	MBER
Product	Price(£)	Comments				V	
Alphason HR100S	490	S-shaped arm sounds smooth, but nevertheless reproduces transients with fine attack.	Medium	•	229	•	86
Kuzma Stogi Ref	1,000	Large, solid and well made arm, gives exceptionally clear sound with just a hint of brightness	High	•		•	79
Linn Ekos	1,297	Superb, state of the art design which builds significantly on predecessor's strengths	Medium	•	229	•	6
Moth Arm	95	The ultimate budget arm? Refined, sweet, detailed and natural	Low	•	237		60
Rega RB300	139	Despite its modest price it sets exceptional standards and could be used on many high end turntables	Low	•	237		60
Roksan Tabriz Basic	275	Targetted at the Xerxes, this is a good alternative to the Rega arm in many cases - a touch bright though	Low	•	240	•	91
SME Series 300-309	657	Beautifully made and finished: fully adjustable and a highly neutral performer	Low	•	238	•	79
SME Series IV	936	Superb engineering and finish with a finely balanced sound, impressive stereo focus and low colouration	Low	•	233	•	60
SME Series V	1,391	Excellent in all respects, this arm arguably sets the standards for pivoted arms, regardless of price	Low	•	233	•	60



Tuners

he radio medium operates at a lower profile than TV, but in areas outside pop music the BBC service is the envy of the world. Live concerts rival all other sources from a hi-fi perspective.

Though tuners might seem something of a hi-fi afterthought, the task they discharge is far from simple, since it requires the skills of RF (reception) and audio (signal processing) engineering. The importance of the former will depend on reception conditions, but a high-quality aerial system is

well worth having. Tuners come in two basic types. Analogue models tune gradually and can have analogue or digital displays; they are often preferred for sound quality. Digital tuners offer convenient automatic tune facilities and pre-set memories.



KEY

WAVEBANDS: Only the FM (VHF) bands give stereo hi-fi sound, though AM (MW & LW) are useful for receiving certain transmissions in the UK.

PRESETS: Number of station frequencies that can be stored. RDS: (radio data system) was originally designed for in-car

applications. Basically RDS tuners can identify and display the name of the radio station being received, but they offer a variety of other features as well.

REMOTE CONTROL: Couch-potato friendly. SIGNAL STRENGTH METER: Indicates strength of signal from aerial, useful for aligning your 'twig' during installation ROTARY TUNING KNOB: The ergonomically attractive approach to

FACTSBACK NUMBER: The Factsback reference for ordering a fax copy of the review. Use the contents page to find the Factsback information page. BACK ISSUE: The issue of Hi-Fi Choice in which the original review appeared.

SIGNAL STREAGH TOWNER AND CONTROL OF THE METER MADE FAXBACK NUMBER ISSUE NUMBER WAVEBANDS PRESETS ROS **Tuners** 1254 142 Arcam Alpha 5 Plus 220 Selectivity modest and there is some susceptibility to front end overload, though basic sound quality is pretty good FM.M.L 24 Arcam Delta 280 399 Fine sound quality marred by mild synthesiser whine; RF performance only average, remote £60 extra FM 20 120 Audiolab 8000T Unusually combination of fine sound quality and RF performance (inc AM), and superb ergonomics FM M. Denon TU-260L FM.M.L 4 Careful minimalist design promises a surprisingly open and vivacious sound 1810 157 4 Harman/Kardon TU950 Sound quality is among the best in its price range, only exposing its rough edges at high playback levels FM.M.L 30 4 Harman/Kardon TU9400 1254 142 299 This striking tuner exceeded our expectations. On stereo FM, it's HK's best yet FM M 24 4 **Linn Kremlin** 2.600 Controversially good sound at a very high price. The reviewer's saving up but you should check it out for yourself FM 80 1254 142 4 Magnum Dynalab FT101 825 Although fairly expensive given its minimum set of facilities, its excellent sound provided ample compensation FM 72 Micromega Tuner 700 Has digital output but even without the Micromega DAC, this provides exceptional sound quality. Looks good too FM 39 1810 157 Mission Cyrus FM7 400 Open, generous soundstaging gives the music plenty of foundation, if a touch shut in at the top FM 29 1254 142 . Musical Fidelity E50 300 FM Sounds involving if coloured and with a subjectively larger than life presentation 20 1810 157 Naim NAT01 1254 142 1.645 There may be better sounding tuners in the world, but we have yet to hear one FM Onkvo T-430RDS 1254 142 190 Pleasingly neutral, but rather undynamic and congested FM/MW 30 Quad FM66 554 Very pretty and compact but technically unadventurous. Sound is smooth, but only makes sense in Quad system context FM 19 1254 142 Sony ST-SA3ES 250 30 Clean, lean presentation but needs a quality aerial to its best FM,M,L . 1810 157 Technics ST-GT350L 150 Decent RF poerformance is offset by sound quality more typical of a mini/midi system FM,M,L 30 1254 142 Thorens TRT2000 450 Not exactly neutral sounding, it nonetheless makes listening fun FM.M 59 . 1810 157

Turntables

pecialist turntables are what high fidelity sound all about. CD players may offer silent backrounds and flat frequency responses, but they can't match the dynamics and superlative timing that serious turntable users take for granted. Turntables at the cheaper end of the market tend to be supplied with a matching tonearm, and often include a 'starter' cartridge. Still better quality is found at higher prices among the separate motor units

and tonearms. Careful partnering and set-up is essential for these

components, but many so-called 'sympathetic' combinations exist. Because turntables are mechanical devices that are designed to

retrieve modulations as small as a micron, engineering quality is of paramount importance. It is also the reason why turntables cost as much as they do, and require high quality support systems.



MANUAL: You do it all: put the needle on the record and take it of AUTO: The record player does it all. SEMI-AUTO: You share the work: you put it on, it takes it off. SPEEDS: In RPM to correspond with your platters

structural interference EXTERNAL PSU: Outboard power supply; generally it indicates high quality

SUPPLIED WITH CARTRIDGE: Most turntables do not come supplied with a needle FACTSBACK NUMBER: The Factsback reference for

BACK ISSUE: The issue of Hi-Fi Choice in which the original review appeared

SUSPENDED SUBCHASSIS: Sprung suspension to minimise

SUPPLIED WITH ARM: Many turntables require a separate arm to ordering a fax copy of the review. Use the contents page to find the Factsback information page be fitted; if not, this tells you so.

TURNTAB	LES		MANUAL	SUSPENDED SUPPL SUSPENDED SUBCHASSI SEMI-AUTO AUTO	ED WITH EASONCY ISSUE NUMBER SEO WITH CARTHUGE NOWNER, SEC SEY ANN
Alphason Sonata	Price(£)	Good sound in all areas - bass, clarity and neutrality all in top class (tested with HR100S MCS)	V	33	• • • 79
Clearaudio Reference	2,500	Opulent beast tested with Souther TQ-1 arm. Tends to gloss over detail with a fizzy character but is quite bold		THE RESERVE OF THE PARTY OF THE	1328 144
DNM Rota 2	4.800	Tonally slightly bleached, but extracts detail like few others. Works well on own table			• • 1328 144
Dual CS503-2	170	Coarse and woolly sound - not inoffensive, but bettered by the CS-505-3		• 33/45	• • 91
Dual 505-4 UK	200	Consistent sounding and well isolated turntable. It is slightly lacking in oomph		33/45	• • 103
Kuzma Stabi/PS	1,200	(Tested with Stogi Reference) Solid oak plinth; sound is very clear, detailed and extended			• • • 91
Linn LP12 Basik	1.050	Trails the full LP12 significantly, but pace, rhythm, timing etc still top rank		33	• • 103
Linn LP12 Lingo	1,750	The classic reference is improved by the Lingo, but charming character remains		33/45	91
Michell Gyrodek	765	Sweet and natural sounding player, well matched to Rega RB300 arm		33/45	• • 55
Notts Analogue Spacedeck/	Arm1,125	No frills, just a first rate, outstandingly natural sounding deck that will last forever		33/45	• • 159
Pink Triangle Anniversary	1,980	Possibly the most detailed, clear and neutral sounding deck around. Likeness to master tape is uncanny		33/45	• • 91
Pro-ject 6/Sumiko	699	Don't think of this as a mid price deck with a good arm, but as a scaled down Oracle Delphi - it's that good		33/45	• • • 138
Rega Planar 2	214	A remarkable product at the price, surprisingly articulate and confident		33/45	• 48
Rega Planar 3	274	The '3 (with RB300 arm) sounds musical in a balanced and coherent manner, needs decent isolation		33/45	• 48
Rega Planar 9	1,598	Featuring the RB900 arm and a ceramic plinth this deck puts Rega into contention with the best decks available		33/45	• 151
Reson RS1	675	Supplied set-up and ready-tuned, this unconventional deck is packed with mid-band detail		33/45	• • 159
Rivelin Eclipse	1,100	Tested with SME 309. Tends to simply things and add a slightly ragged edge to the proceedings	•	33/45	1328 144
Roksan Radius 3/Tabriz zi	890	Elegant looking turntable with a tidy, ordered sound. Bright and breezy if a shade lightweight	•	33/45	• • 159
SME Model 20A	4,631	Supplied with Series V arm. Engineered to last a lifetime, giving excellent stereo and detail retrieval		33/45/78	• • • 118
Systemdek I/920/Moth	235	The motor is derivative of the Rega Planar 2 with a Moth arm. Uptempo, even bright at times but never lacks enthusiasm		33/45	• • • 115
Systemdek 2X2	499	Neutral, flexible and dynamic deck that begs to be used with a good arm and cartridge		33/45	• 159
Thorens TD166 VI/UK/RB	300	Refined and solid sound with well focussed imagery; suitable for use with good MM and budget MC cartridges	.0	33/45	103
Thorens TD2001	700	Balances convenience and sound well, but deck lacks detail and bass could be better controlled		● 33/45	159
Thorens TD3001/UK	770	Excellent middle ranking esoterica, with strong all-round abilities rather than excellence in particular areas	•	33/45	• • 103
Voyd 0.5	3,940	Cross between standard and Reference Voyds. Superb finish, colourful and dynamic	•	33/45	1328 144
Voyd Reference	6,962	Voyd's flagship, equipped with three substatial motors, is a strong contender for world's best	•	33/45	• • 91
Well Tempered Record Player	r 1,800	Intriguing and challenging. Musically it is not ideal, but has a limpid quality and a lack of artificiality that sets standards	•	33/45	1180 136

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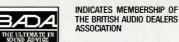
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- Devo's Digital Rebirth: Their new *Adventures of the Smart Patrol* CD-ROM, and the Evolution /De-evolution of the band.
- "What is Aimee Mann Doing Wrong? Theories as to Why Her Albums Keep Tanking."
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MCP2 strongly recommended
Windows 3.1 (or later) with DOS 6.2 (or later)

486 or Pentium PC required 4 Megabytes FREE RAM (6 recommended) Sound Card (Most modules)

13" VGA or SVGA monitor Quicktime 2.02 for Windows (supplied) CD-ROM drive (double speed or better recommended)

Macintosh Macintosh System 7

68030 processor required 60040 or better strongly recommended 4 Megabytes FREE RAM (6 recommended) 13" colour screen (256 colour) Quicktime 2.0 + Apple Multimedia Tuner

(supplied)
CD-ROM drive (double speed or bette recommended)







all adds up to b hours of engrossing entertainment

HI FI CHOICE

The small print..

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NEXT MONTH'S ISSUE

DON'T MISS THE JANUARY EDITION OF HI-FI CHOICE!

If you've enjoyed this special issue of *Hi-Fi Choice*, make sure you don't miss our January edition! This fun-packed hi-fi extravaganza will feature a number of fine fidelitous attractions.



Teac's AB-X7R competes against 13 power-packed pretenders in the January issue.

JANUARY'S BIG TEST

Integrated Amplifiers — The Full Story

We've selected 14 top amps priced between £200 and £700 to find out which ones offer the ultimate performance — and the ultimate value!



SUPERB EQUIPMENT UNDER THE SPOTLIGHT

■ Wilson benesch A.C.T. One speakers

A high-tech blend of carbon fibre and real wood.

■ Meridian 502/557 pre/power combination with MSR remote control

Huntingdon's finest in "lotta Watts" shocker.

NEXT MONTH'S INSTANT SYSTEMS

We do the leg-work and pick out two great systems for you!

■ At £600: Sony CDP-XE500 CD player, NAD 314 amplifier, Jamo 38 speakers.

■ At £4,000: Trichord *Genesis* CD player, Audiolab *8000Q* pre-amp, two Audiolab *8000M* monobloks,

Mission 753 speakers.

MULTI-CD PLAYERS RATED

Alan Sircom, our one-man juke-box jury, will present a special report on one of the hottest areas in hi-fi — multi-CD players! With exciting new machines from **Pioneer**, **Sony, Marantz** and **Kenwood** and more, this feature will be your VIP passport to multiplay heaven.

HIGH-END CD TRANSPORTS AND DACS TESTED

We compare:

Audiolab

8000CDM/8000DAC

- Roksan DP3/DA2
- Thorens TCD2000/TDA2000
- Trichord Digital Turntable/Pulsar Series 1

Thorens
TCD2000
teams up with
its TDA2000 DAC
next month.

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With prices starting from £14.97, and superb free gifts on offer, it's the ideal way to keep up to date with hi-fi. See page 74 for full details.

The January 1997 edition of Hi-Fi Choice will be on sale December 6, 1996 — don't miss it! And don't miss the February 1997 issue, which is on sale Friday January 3, 1997.

The Choicest Sound Bites

Some of the most memorable words written by our columnists this year!

On Hi-Fi Reviewing

"I've worked on *Hi-Fi Choice* since 1987, and I still haven't found my dream hi-fi system!"

Jason Kennedy, January 1996

■ "For any reviewer or enthusiast, the archtest for any component is how much you miss it once it's gone."

Paul Messenger, February 1996

■ "To sit staring at a black curtain, while the same music plays again and again, sounds like a torture dreamt up by a Cold War interrogator. In fact it's the harrowing experience suffered regularly by the panellists who help us 'blind-test' loudspeakers."

Paul Messenger, December 1996

On Hi-Fi Perspectives

■ "My first priority is not really sound quality as she is widely understood: my loyalty is due to the convincing way Naim amps reproduce transients, leading edges and dynamics."

Paul Messenger, January 1996

■ "My Naim NAC52 pre-amp recently underwent a transplant operation. The drama of finding a temporary replacement while the loved one was under the knife, in addition to the angst of nursing the rejuvenated back to health, left me in some trauma..."

Paul Messenger, April 1996

■ "It's strange, but after a Naim amp and a Linn Sondek *LP12* vastly 'improved' my sound at home, my Brendel Schubert discs somehow didn't sound so good..." *Jimmy Hughes, June 1996*

On Future Technology

"Heaven help the hi-fi market if we have a new DAT-style scare which advises consumers to wait for the 'revolutionary' new Super Audio CD which is 'just around the corner'."

Barry Fox, February 1996

"These days you need Steve Austin's bionic eyesight to predict which recorded-music format will dominate in years to come." Stan Vincent, October 1996

"Whether we like it or not, hi-fi is in the throes of having an AV dimen-

sion added."

Paul Messenger,
September 1996

On Ways To Tweak Your System

The sound you seek may not always be found by pursuing what seems to be the most logical course."

Jimmy Hughes, March 1996

"I know full well that the door to sonic satisfaction can be opened by writing the name of your cat on the back of a family reunion photo, slipping it inside a discarded sock with a 50 pcoin and depositing it in the safe box of a threestar hotel, but that doesn't fill a column, does it?"

David Vivian, September 1996

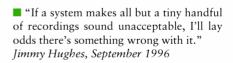
- "I still regard the *Isolation Platform* as Shun Mook's simplest and most accessible component, but it only scratches the surface of wood-aided sound improvement..." *Jimmy Hughes, April* 1996
- "What would you say if I told you a set of three spiked wooden blocks was capable of transforming your hi-fi's sound?"

 Jimmy Hughes, October 1996

On Living With Hi-Fi

- "I can quite see why some hi-fi first timers fail to be convinced. Far from not being able to differentiate between their old radiogram and a new-fangled separates system, they can hear the differences all too plainly. Clean and clinical can be a pain in the ear if you've been used to mellow and mellifluous."

 David Vivian, July/August 1996
- "Some hi-fi is a pain to use, some ain't exactly pretty and some is just plain weird. The DNM 3B pre-amp is all three." *Jason Kennedy*, *September* 1996



■ "Hi-fi is not just about presenting the most complete picture of a musical performance. It's about communicating the spirit of the performance."

Stan Vincent, December 1996

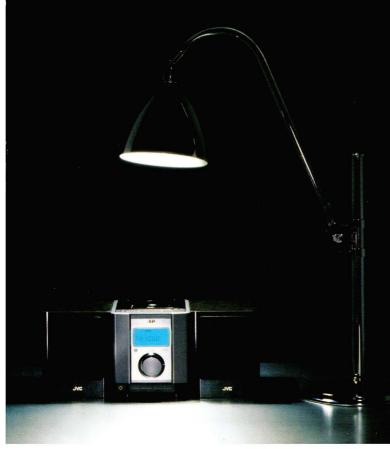
• "Ever wondered why, at hi-fi shows, it's the small, modestly-priced systems that normally make the biggest impression? It's not because they sound best, but simply because they exceed expectations rather than fall short of them."

David Vivian, May 1996

The quotes above have been taken from... Paul Messenger Personal Messages Jason Kennedy Ear Waxings Barry Fox 21st Century Fox David Vivian Ultra Vivian Scene Stan Vincent Editor's Notebook Jimmy Hughes The Jimmy Hughes Experience

146 BEST BUYS 1996 HI-FI CHOICE

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*European Compact System of the Year Award '96/'97



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DM #601



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P 4 WHAT HI-FI?

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