

# radio listener's guide

1998 edition £4.50

10th edition

The guide to  
U.K. radio stations

Which Radio?  
We review personal and  
portable radios to find the  
best.



7303  
10 1.30  
CLASSIC  
SHORT WAVE METRE

3.500	3.550	3.600	4.750
7.400	3.400	4.000	6.800
13.000	13.100	17.400	
13.070	13.800	17.800	

ATS 100m  
FM 1

ATS 60m  
LW 4

ATS 2hr  
MW 7

METRE 15m  
SW

FM STEREO

1	2	3	4	5	6	7	8	9	10
6.25	7.44	9.95	12.15	13.90	15.70	18.00	21.95		
6.15	7.20	9.85	11.95	13.80	16.00	17.80	21.85		
6.05	7.20	9.70	11.80	13.70	15.30	17.65	21.50		
5.95	7.10	9.55	11.70	13.60	15.15	17.55	21.45		
5.85	7.05	9.45	11.60	13.50	15.00	17.45	21.30		

aiwa  
FM AM  
88 92 96 100 104 108  
53 70 90 120 160

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## R 809

### Multi-band digital P.L.L. preset stereo world radio

FM Stereo operation via ear or headphones • PLL frequency synthesizer tuning; 5 tuning methods: direct frequency keying, auto-scan, manual scan, memory recall and rotary • 54 preset Station Memory  
24 hour quartz clock with Dual time display, clock/alarm functions • Adjustable sleep timer  
AM wide/ narrow filter • MW 9k\10k switch tuning steps • Dimensions: 296 x 190 x 68 mm  
Weight (exc batteries) 720 gms

Should you require any further information please telephone: Roberts Radio Ltd. 01709 571722

# radio listener's guide

1998 edition

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# using the guide

Welcome to the 1998 edition of the *Radio Listener's Guide*. The guide shows the frequencies and locations for all the radio stations in the UK. With information on BBC Radio, Independent Radio and other interesting radio stations, you will be surprised by how many stations there are to listen to. Maps show which stations you are likely to receive in any particular area.

## Using the Guide

The Guide has been organised so that the various station types are listed separately. BBC Radios 1,2,3,4 or 5 Live are listed separately from national commercial stations such as Classic FM or Virgin. BBC local stations are listed separately from independent radio stations.

The medium wave frequencies for Radio 4, Radio Scotland, Radio Wales and Radio Ulster which broadcast on both medium wave and FM are listed separately from the station's FM frequencies.

As a general rule you should try the FM frequency first, as FM usually provides better

reception, and gives stereo when available.

In the centre of the guide you will find 'quick reference' frequency maps for the main national radio stations. So, for example, if you are looking for Radio 4's frequency while visiting Oxfordshire, look at the quick reference map for Radio 4.

If the frequency shown doesn't give you good reception, you must first decide which broad category your station fits. With our Radio 4 example, you would need to look under the section marked 'BBC FM Radio in England'. Look at the map for this section to see which main or high power transmitter is nearest to you; and tune-in to the frequency listed for that transmitter. If this gives poor reception, try the nearest relay station to you, or, if there is one, another nearby main transmitter.

*Good listening!*



Clive Woodyear, Editor

## New for 1998

We are always looking for ways in which to improve the *Radio Listener's Guide* - many of the suggestions are yours.

This year you'll notice that the programme schedules have gone! Our feeling was that they become outdated too quickly, as stations changed programming, or presenters.

In their place is a review of

radios which should help anyone searching for a new set.

Back this year by demand! - is a full transmitter site listing for independent local stations, which is carried through to the medium wave and FM frequency indexes.

As usual, if you have any ideas, or suggestions, please let me know.

## winners

The winners of Grundig Yacht Boy 500 radios in last year's free-draw were -

G Healey, Sheffield  
J Milne, Hemel Hempstead  
M Totham, Cheltenham  
P Musselbrook, Kent  
R Wood, Cheshire  
N Clarke, London

The *Radio Listener's Guide* (ISBN 1-871611-09-1) is published by PDQ Publishing, PO Box 151, Abingdon, Oxon. OX13 5DP Telephone: (01865) 820387 Email [clive@radioguide.demon.co.uk](mailto:clive@radioguide.demon.co.uk) Editor Clive Woodyear

Printed by Warners Midlands plc, The Maltings Manor Lane, Bourne, Lincolnshire PE10 9PH

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# Digital Audio Broadcasting

I think that I must have been plugging Digital Audio Broadcasting (DAB) in the Radio Listener's Guide since 1992. It now seems that at long last we are about to see some real progress. At a recent consumer trade fair in Berlin there were 17 manufacturers showing off DAB receivers. The first car radios are expected to be available to the public in 1998.

The potential for DAB, now increasingly called Digital Radio, is certainly exciting...more stations, easy tuning, improved reception quality, character displays on the set able to give programme information or music track name. Depending on the set, additional features may include audio storage, travel data services and even a screen to display pictures and graphics.

However, no matter how far the predictably high initial prices fall, with DAB, the days of the £10 or £20 receiver will have gone. One of the dangers is, that by improving the technology, DAB will price anyone who can't afford the equipment

out of the market. Radio has always been available at little cost to the listener - DAB may change that.

Linked to this is the fate of analogue transmissions. The government has announced its intention to switch off analogue transmissions for radio and television in order to seek re-use of the spectrum. No timetable has been set for this switch-off. Whether it will happen in 10 or 20 years, if at all, needs to be addressed. Uncertainty will, I am sure, damage the introduction of DAB, and worry those who fear they will not be able to afford, or even receive DAB transmissions.

DAB will never cover the whole country. Just as FM reception is not complete, DAB is likely to suffer the same holes in its blanket coverage, but if long wave and medium wave have gone, what will cover them?

Despite some concerns, I am looking forward to DAB. It has great potential, and its introduction will certainly raise the profile of radio.

## 225kHz and the fate of children's radio

In November 1996 the Radio Authority (RA) announced that the long wave frequency 225 kHz, previously assigned to the BBC, had been reassigned to the RA.

Since then, supporters of children's radio have been campaigning hard for its use as the basis of a national children's station.

It has been 15 years since *Listen with Mother* disappeared from Radio 4, and over 3 years since Radio 5, abandoned young listeners, to become a sports and news network. The BBC has only one children's programme left (with the exception of schools programmes in the early hours on Radio 3). This is to be axed in the changes to Radio 4's schedule, next April!

BBC feeling is that there is no market for children's programmes. As Matthew Bannister, director of BBC Radio has said "...trying to force children into listening to speech radio is something which we've tried and which really doesn't work."

It's all very well saying that children don't listen. They certainly won't if there's nothing suitable for them to listen to, and without actively and

### Radio listening is declining - what are we doing to encourage the listeners of the future?

imaginatively encouraging their use of radio, they're even less likely to develop into the listeners of the future.

However, there are those who still feel that children and radio do mix. At the forefront is Susan Stranks, the driving force behind a group called Children 2000, who are enthusiastically promoting the idea of children's radio. Their proposal is to use 225kHz as the basis of a national children's and schools station, funded at least initially, by the national lottery.

During the six years in which she has been campaigning, her support has been growing, to the point where over forty MPs have signed the Early Day Motion reading, "This house welcomes the bid to establish Britain's and the world's first national station for children".

Whether 225 kHz will form the basis for this station is doubtful. Chris Smith, Culture Secretary, indicated at the Labour Party Conference that it would not. Instead he promised that digital channels would be reserved for children and schools use.

**Radio 1**

Since last year there have been considerable changes to Radio 1's presenter line-up. The breakfast show in particular has seen the departure of the controversial Chris Evans. His replacements Mark Radcliffe and Marc 'Lard' Riley were in turn replaced in Oct 97 by Kevin Greening and Zoë Ball. Radcliffe and Riley are moved to the afternoon slot, vacated by Nicky Campbell who moved to Radio 5 Live. Listening figures continue to fall.

**Radio 2**

Programming and presenter changes now make Radio 2 the UK's most listened to station. The station has boosted its appeal to a younger (25-35) audience increasingly alienated by Radio 1's 'new music'. As well as a more youthful playlist, bringing in music now abandoned by Radio 1, it has brought in new presenters such as Steve Wright and Michael Parkinson. At the same time, by keeping the unchanging daytime line-up of Terry Wogan, Jimmy Young and John Dunn, it has maintained its commitment to existing listeners.

**Radio 3**

Clouds are looming on Radio 3's horizon. The prospect of programming changes in April 1998, and the alleged 'dumbing down' of the network in an attempt to make Radio 3 more accessible and understandable, threaten to start a battle with listeners loyal to the old format. According to Nicholas Kenyon, the station's controller, "the plans include a continuing commitment to more than half the network's music output being live or specially recorded", and "clearer schedules, so that listener's can find their way round the network without confusion".

**Radio 4**

While Nicholas Kenyon has so far escaped the outcry that goes hand-in-hand with changing the schedules, Radio 4's controller James Boyle has not. In July 97 he announced a large number of changes, including up to a dozen programmes being axed. These include - *The Afternoon Shift*, *Kaleidoscope*, *Breakaway*, *Going Places*, *Mediumwave*, *Does He Take Sugar*, *Medicine Now* and *Week Ending*. Many well known programmes will move in the changes, which are due to take effect on April 1st 1998.

**Radio 5**

In March 97, Danny Baker was sacked from 5 Live for his controversial comments on-air about a football referee. Nicky Campbell, 'ex-Radio 1 DJ', moved to 5 Live in October 97 to host the morning *Magazine* discussion and phone-in programme.

**Galaxy branding for Kiss stations**

Chrysalis Radio, who bought Kiss 102 and Kiss 105 from Faze in August 97 have rebadged the stations with their Galaxy brand. From 29 September the stations have been broadcasting as Galaxy 102 and Galaxy 105. EMAP who had franchised the stations with their Kiss brand, are believed to be planning to apply to the Radio Authority to operate Kiss FM as a national DAB station.

**Asia FM's licence offer withdrawn**

The Radio Authority's offer of a licence to Asia FM in June 97 created a storm of protest in East London.

Along with an admission from the Radio Authority that the licence application had breached RA guidelines, locals felt the award of the only available licence to serve a small minority of the area's population was wrong. In October 97 following Asia FM's failure to secure financial backing as promised in its licence application, the Authority took the unprecedented step of withdrawing Asia FM's offer of a licence.

In Nov 97, the Radio Authority offered the licence to Active FM, one of the other applicants.

**Radio 106 FM**

Launched in early October, Britain's latest regional station, serves Leicestershire, Nottinghamshire and Derbyshire. The station broadcasts at 8 kW from the Copt Oak transmitter.

## Independent national news

### Classic FM

Voted Station of the Year in the 1997 Sony radio awards, Classic FM is the only network station to have held this award twice.

Earlier in the year Classic FM shrugged off Alan Bennett's withering attack on people who enjoy listening to the station. In his diaries he labelled Classic FM's 4.7 m listeners as "Saga louts", in a reference to the advertisements that target the older people making up much of its audience. The station, that attracts more than twice as many listeners as Radio 3, has seen its share of listening peak at about 3.3%.

### Virgin Radio

In May 97 Capital FM announced that it had acquired Virgin Radio in a £64.7 m deal. The Radio Authority approved the deal in July, but the Department of Trade and Industry referred the matter to the Monopolies and Mergers Commission, who are expected to report on the deal in mid-November. If the go-ahead is given, the deal would give Capital Radio a guaranteed slot on the national DAB system. It would also make Capital Britain's biggest radio group. It already broadcasts on medium wave and FM in London, and owns or controls another 11 stations; including BRMB, Invicta and Fox FM.

Meanwhile in mid-October 1997 Chris Evans started a 10 week contract to present Virgin's breakfast show, in a move widely seen as an attempt to compete with Radio 1's new breakfast show signings, Kevin Greening and Zoë Ball.

### Talk Radio

In the headlines earlier this year, Danny Baker - fired from Radio 5 Live for controversial outbursts on his football phone-in show, immediately moved into a Saturday afternoon show at Talk Radio. The move heralded Talk's move into sports coverage, which will increasingly bring it into competition with Radio 5 Live. In August, Talk Radio revealed that the station had managed to secure the commentary rights in football league divisions one, two and three, previously held solely by 5 Live.

The popular presenter Anna Raeburn is back Mon-Thur at 1900 hrs after a stint at Liberty Radio.

Talk are meanwhile looking for a replacement to their current breakfast presenters, Paul Ross and Carol McGiffin who were due to have presented their last show on 22 August.

### Atlantic 252

Speculation continues about the fate of Atlantic 252. The station which in 1994 boasted a 4.3% share of UK listening has seen this fall to 2.5% as listeners move to other stations. Reports suggest that the Luxembourg-based media company CLT, who have an 80% shareholding in 252, are considering its sale to EMAP.

## Local news

### Neptune Radio

The Dover and Folkestone station Neptune, one of the Radio Authority's 'sally' licences (small-scale alternative location licences), launched on 29 September. The station broadcasts to Dover on 106.8 FM and Folkestone on 96.4 FM.

### Dune FM

Another 'sally', Southport based Dune FM launched on 12 October. Prior to applying for one of the two Merseyside sallies, Dune FM ran four RSLs. The other Merseyside 'sally' went to Crash FM. Dune transmits on 107.9 FM.

### 107.7 The Wolf

Wolverhampton's new station the 107.7 The Wolf went on air on 7 October. The small-scale licence is for the provision of a service to cover the borough of Wolverhampton and the immediately surrounding area. It is designed to cover a more localised area than the existing ILR services provided by Beacon Radio, WABC, Heart FM and Radio XL.

### Vibe FM awarded East of England Regional Licence

Due on air before the end of 97, Vibe FM plans a dance format station for teenagers and twenty-somethings.

The licence is to cover the main population centres of Norfolk, Suffolk and Cambridgeshire.

# The Radio Data System (RDS)



The Sony ICF-M50RDS is one of the few portables with RDS

## Mark Saunders

### RDS is well established in the United Kingdom, throughout most of the rest of Europe, and beyond.

All BBC National and Local Radio provide the basic services to aid station selection and tuning. As car radio handbooks are notoriously poorly written, the following guide to the RDS features may be helpful.

#### PS

Programme Service Name - display of station name, rather than its frequency

#### PI

Programme Identification - unique electronic station code. Used by the receiver in conjunction with AF, to provide fully automatic tuning to the best signal available for your listening choice.

#### AF

Alternative Frequencies - a list of frequencies used by a station in neighbouring transmitter areas to enable the automatic tuning process.

#### CT

Clock Time - provides an accurate clock, self-adjusting for Winter/Summer Time, and across national borders.

#### TP/TA

Travel service used by the receiver to identify stations providing travel news, and when used in conjunction with EON, allow listening to BBC National stations to be interrupted with travel reports for the area from BBC Local stations.

#### EON

Enhanced Other Networks - Cross-reference to other stations for the Travel Service, and other features.

#### PTY

Programme Type - Allows choice of listening by type or 'genre' rather than by station.

Not all RDS radios decode all these features, so it is particularly important to ensure that if considering purchasing an RDS radio, it includes the EON feature, or else the Travel Service will not work fully.

Most Independent Radio stations also use RDS. On those that offer the Travel Service, listening to in-car cassette or CD will be interrupted by travel news, but receivers will not switch across from one station to another.

# Abbreviations

Look also on pages 24-25 for more explanations of technical terms used in the guide.

<b>AM</b>	used to describe the medium, long and short wave bands.
<b>CD</b>	Compact Disc
<b>CLT</b>	Luxembourg-based media company
<b>DAB</b>	Digital Audio Broadcasting.
<b>DAT</b>	Digital Audio Tape
<b>DX'er</b>	a listener who likes tuning to distant stations.
<b>EMRP</b>	effective mean (average) radiated power (of a transmitter).
<b>ERP</b>	effective radiated power (of a transmitter).
<b>FM</b>	used to describe the VHF wave band.
<b>GMT</b>	Greenwich Mean Time
<b>ILR</b>	Independent Local Radio
<b>kHz</b>	a unit to measure where a station is on the dial.
<b>kW</b>	kilowatt(s) a measure of a transmitter's power.
<b>LW</b>	long wave
<b>MHz</b>	a unit to measure where a station is on the dial.
<b>MOR</b>	middle of the road (music style)
<b>MW</b>	medium wave
<b>Opt out</b>	local service, broadcast at times of the day from a larger station, or transmitter
<b>POL</b>	polarization (h = horizontal, v = vertical, m = mixed)
<b>RA</b>	Radio Authority
<b>RAJAR</b>	Radio Joint Audience Research
<b>RDS</b>	Radio Data System
<b>RLG</b>	Radio Listener's Guide
<b>RSL</b>	Restricted Service Licence
<b>RTE</b>	Radio Telefís Éireann (Irish state broadcaster).
<b>RTL</b>	Radio Télé Luxembourg (Luxembourg state broadcaster).
<b>SW</b>	short wave
<b>UTC</b>	coordinated universal time - also known as Greenwich Mean Time (GMT).
<b>VLV</b>	Voice of the Listener and Viewer
<b>VOA</b>	Voice of America
<b>WRN</b>	World Radio Network
<b>WRTH</b>	The World Radio and TV Handbook

# Viewpoint

**Jocelyn Hay of *Voice of the Listener and Viewer* looks at what 1998 will bring**

**T**he BBC Radio networks face 1998 with differing prospects, but it is Radios 3 and 4 which are likely to hit the headlines.

At Radio 3, the controller Nicholas Kenyon, has recently re-stated the network's remit to serve the committed classical music listener. At least 50% of the output will continue to be of live, or specially recorded music. He strongly denies any intention of 'dumbing down' and says that change in Radio 3's schedules are designed merely to make it easier for listeners to find the programmes they want to hear.

James Boyle, the Controller of Radio 4, also claims his aim is to make the station's schedule more coherent and predictable, not to lower the quality or tone of its content. On the face of it, many of the changes he plans to introduce from April 1998 sound logical, but they will be massive, and with such notoriously conservative listeners, his strategy is risky. If it doesn't work it could be disastrous for the BBC and for Radio 4.

Meantime digital radio - digital audio broadcasting or DAB for short, is with us, and its merits are extolled elsewhere in this guide. DAB should indeed bring many benefits once it is fully operational: lower transmission costs, more spectrum for new channels and better quality sound. But few advances come without a downside, and some aspects of DAB concern me.

First, since all digital signals are transmitted in a code of noughts and ones, listeners will have to buy a set top box de-coder or new digital receiver before they can enjoy any digital broadcasts. How much will that cost? How will those of us with radios in every room manage?

Second, about that better quality sound. One of the characteristics of digital signals is that you either get them, or you don't...it is all or nothing, there is no gradual decline in quality and therefore no possibility of putting up with a crackly signal

because you desperately want to hear the message.

Third, digital has the ability to carry text and pictures with the sound, so DAB sets come fitted with a small screen. Text on this screen can carry the name and frequency of the station plus information about the programme being broadcast. But DAB sets will be able to carry much more than just text, they will also be able to carry pictures. Not moving pictures like television, or of so high a quality, but nevertheless, good still-pictures, that can be changed every ten seconds.

But one of radio's greatest assets has been that it doesn't need pictures. It relies on the listener's imagination, and thus has the freedom to range over time and space, and in and out of all sorts of inaccessible places, in a way that film and television can never do. That's why radio is a much more subtle medium, particularly for introspective or reflective pieces, and why radio news is so much broader in its scope. It is free from the need to follow stories just because the pictures are good.

This freedom also makes radio much cheaper to produce than television. But if producers now have the ability to use pictures, will they feel obliged to try and devise the modern equivalent of a slide show with sound? And if they do, who will pay the costs of finding the pictures and reproducing them? Radio budgets are already slender, and if squeezed for such dubious benefits, DAB could bring few favours for listeners.

## Join the VLV

*Voice of the listener and Viewer (VLV)* is the only consumer body speaking for listeners and viewers on a full range of broadcasting issues. Membership costs £12.50 annually. For full details and a free information pack, contact Anne Liek, Membership Secretary, VLV, 101 Kings Drive, Gravesend, Kent DA12 5BQ. Tel: 01474 352835

# News from the Radio Authority

**Marion Shelley** explains what's been happening at the Radio Authority

The Radio Authority is one of three bodies which replaced the Independent Broadcasting Authority in 1991. In almost seven years during which the Authority has been licensing and regulating commercial radio, the number of commercial radio stations broadcasting has almost doubled.

## Licensing - General

The Authority began advertising new licences in January 1991 and since then it has awarded three national licences and 86 new local radio licences (including nine regional licences). It has awarded a further 116 local licences as a result of the re-advertisement of all previously existing licences, and one additional service licence. Around 1,700 restricted service licences have been issued for temporary low-powered radio services, including those for trial broadcasts and for coverage of particular events.

## Local Licences

At the beginning of September, the Authority reached a significant milestone, on awarding its 200th local radio licence to Kestrel FM, for Basingstoke. The ninth regional licence, for the Solent area, was awarded at the same time to Solent Regional Radio.

## Timetable to Dec 98

To assist applicants in planning the submission of their proposals for local licences, the Authority issues updated advertisement timetables. The current list is shown on the opposite page.

## 'Sallies'

Small-scale local licences, often known by the acronym 'sallies', reflect a new Authority policy introduced last year. The Authority will advertise the availability of one or more new small-scale local licences that may be awarded for a service (or services) for any locality (or in different localities) within a wider area, without specifying which particular locality at the time of advertisement. It will be up to applicants to decide which locality

they wish to serve. The Authority will award the licence(s) for whatever is, in its view, the strongest individual proposal(s) put forward. This approach is designed to increase the opportunities for prospective operators of small-scale radio services. In most 'sally' areas, the Authority expects to make more than one frequency available on this basis. The maximum number of frequencies potentially available will be confirmed at the time of licence advertisement.

## Local radio licensing by the Authority

Since its establishment in 1991, the Radio Authority has advertised a total of 103 new local licences, as well as re-advertising 125 licences for services which were already in existence. Once the timetable outlined above has been completed, there should be around 240 local radio licences in operation throughout the UK.

## Restricted Service Licences (RSLs)

Over 1750 short-term RSLs have been licensed by the Authority since it began licensing these services in 1991. Two RSLs broadcast from Royal Ascot and the Special Olympics for the first time this summer; Royal Ascot Day Radio took to the airwaves in June to bring an information and entertainment service to race-goers and Special Olympics FM broadcast in July during the National Summer Games in Portsmouth.

## RSL Annual Report

In June 1997 the Radio Authority published its RSL Annual Report giving details of the RSLs issued in 1996. For the fourth year running there was an increase in the number of RSLs. 324 licences were issued, nearly double the number in 1991 when the Authority first began licensing RSLs. Of the 324 issued, 278 were granted in England, 32 in Scotland, 8 in Northern Ireland and 6 in Wales. The Report shows that the majority of RSLs issued

last year (64%) were used to provide coverage for special events, including festivals, sporting events, student services, and those for educational and religious purposes.

Over a third (36%) were used for trial purposes, largely by groups wishing to apply for a local licence at a future date. The most popular use of RSLs is for carnivals, air fairs and festivals, including arts or music events, with nearly one in five (19%) used for these events.

## Future Use of 225 kHz

In July 1997 the Authority published a summary of the responses to its consultation document on the possible use of 225 kHz for an independent national radio service (INR). Since then, technical constraints have caused this issue to become further from, rather than closer to, resolution. Objections have been received from several other countries to the use of this frequency at the location and power necessary for a national UK service. Additionally, the practical difficulty of radiating another long-wave service from existing aerial masts at Droitwich has been confirmed.

## Digital Radio

The Radio Authority is committed to introducing

### Licensing timetable to Dec 98

	Advertisement	Closing†
Gloucestershire*	Jul 97	4 Nov 97
Notts/Derbyshire*	Aug 97	Dec 97
Fife	Sep 97	Jan 98
Leicestershire*	Oct 97	Feb 98
North-East (regional)	Nov 97	Mar 98
Tayside*	Dec 97	Apr 98
NE/Greater Manchester*	Jan 98	May 98
Solent/mid-Hants*	Jan 98	May 98
Cambridgeshire*	Feb 98	Jun 98
(excluding Cambridge city)		
Central Scot (regional)	Mar 98	Jul 98
Coleraine	Mar 98	Jul 98
Telford	Apr 98	Aug 98
Wakefield	May 98	Sep 98
Doncaster	Jun 98	Oct 98
North/NW London*	Jun 98	Oct 98
Bristol/N Somerset*	Jul 98	Nov 98
Lanarkshire*	Aug 98	Dec 98
South Hams	Aug 98	Dec 98

† Closing date for applicants

\* small-scale alternative location ('sally') licences

Digital Radio in the UK in line with its remit given in the 1996 Broadcasting Act. Digital Radio offers scope for at least double the number of national commercial radio services currently offered by analogue; each Digital Radio multiplex can carry six to nine programme services and a range of data services with good reception on a single frequency.

## Digital Advertisements

The Authority will be advertising the first national multiplex licence by the spring of 1998, followed by a series of local multiplex advertisements, with the first national and local stations likely to be on-air by mid to late 1999.

## Digital Development Timetable

The Authority shortly intends to publish its development timetable, giving details of the licence areas to be advertised and when this will occur. Local licences are likely to focus on key metropolitan areas including London, West Midlands, Central Scotland and the North West. It is envisaged that listeners in such areas of high population will enjoy services provided by two local or regional multiplex licences, in addition to those provided by the national multiplexes.

Multiplex licences will be awarded to those applicants whose array of programme services appears best poised to cater for listeners' tastes and interests and to broaden digital listening choice. The Authority has licensed a number of experimental multiplexes in London, Birmingham and Central Scotland, largely for test purposes. Car radio receivers are likely to be available from 1998 with hi-fi and portable domestic receivers from 1999.

There is at present insufficient spectrum allocated to enable local Digital Radio services to be brought to all parts of the UK, and the Authority believes more spectrum should be made available for this purpose.

Unlike television, there is no early prospect of turning off analogue radio completely. So far as small-scale and community radio services are concerned, analogue FM transmission is likely to be the best way of delivering these for the foreseeable future.

# RAJAR - listening figures

In October 1997, Radio Joint Audience Research Ltd, (Rajar) published their quarterly summary of radio listening figures. These covered the period 30 June - 21 Sep 1997.

The figures are below, with previous years alongside for comparison.

	Sep-93	Sep-94	Sep-95	Sep-96	Sep-97	Percentage Change Sep 96-Sep 97
Weekly reach (%)*	88%	85%	86%	85%	83%	-2.35
Total Hours (millions)**	871	847	841	821	813	-0.92
Average hrs spent listening (per listener, per week)	21.2	21.1	20.7	20.4	20.5	0.49
Share of listening†						
BBC's share of listening	56.1	48.6	47.8	48.9	47.5	-2.86
Commercial Radio's share	41.1	49	50.1	48.8	50	2.46
BBC Radio 1	19.6	11.8	11.8	12.5	10.1	-19.20
BBC Radio 2	12.7	12.9	11.8	12.3	13	5.69
BBC Radio 3	1.4	1.1	1.1	1.4	1.1	-21.43
BBC Radio 4	10	10.5	10.3	10.5	11.2	6.67
BBC Radio 5 Live	2	2.4	3	3.2	3.4	6.25
Atlantic 252	3	4.3	3.5	2.9	2.5	-13.79
Classic FM	2.4	2.8	2.9	3.3	3	-9.09
Talk Radio	-	-	1.7	1.8	2	11.11
Virgin 1215 (AM only)	2.1	3.6	3.3	2.5	2.2	-12.00
BBC Local/Regional	10.4	9.9	9.7	8.9	8.8	-1.12
Local Commercial	33.6	38.2	38.7	38.3	40.4	5.48

\* The percentage of the UK/Area adult population who listen to a station for at least 5 minutes in the course of an average week.

\*\* The total hours spent listening to all radio in an average week

† The percentage of total listening accounted for by a station in the UK or within its defined area.

## The main trends

Another year in which the total listening figures fell. This time two percent less reach, and a reduction in the total hours spent listening, although individual listeners tune-in for a little longer each week.

Diana, Princess of Wales died during the time when the listening figures in this RAJAR summary were gathered, and it seems likely that this will have had some effect; as listeners turned to television and speech radio rather than music-based stations.

## National networks

Of the BBC Networks **Radios 2,**

**4 and 5 Live** showed significant growth compared to the same period last year. **Radio 3** recorded a 21% fall in its share of listening, with Radio 1 not far behind, with a 19% fall compared with last year.

This year sees **Radio 1** at a record low, with little sign that the slide in listening figures has been stopped. It's too early to see whether the station's new breakfast show and other changes have had any effect.

**Talk Radio** with its best ever figures is the only independent national network to have shown growth. The station is crediting much of this to its recently introduced football

coverage, and the signing of Danny Baker.

**Virgin AM** showed a 12% fall in its listening, with its London FM service down 2.5% over the year. With Chris Evans drafted in to present a breakfast show, the next quarterly RAJAR figures will show whether he has helped stop the fall.

Diana's death has also been cited as a cause of falling ratings for **Classic FM**; the fall in this quarter equalling the annual fall from 3.3 to 3%.

Overall, commercial radio strengthened its lead over the BBC with its share of listening rising to 50%, with the BBC at 47.5%.

# a radio revolution...

# The arrival of Digital Radio

**Glyn Jones**

Managing Editor, BBC Digital Radio and  
Deputy Chairman of the UK Digital Radio Forum.

Everything's going digital. It's the new buzzword in technology. Digital television has been in the news, and mobile phones use digital networks. Digital cameras are now on the market. Computers which are finding their way into more and more homes and offices offer ever more services. The BBC marked the role of the wireless in its 75th celebration last year, while recognising that digital technology now provides a whole new era of development in radio in 1998.

Digital Audio Broadcasting (DAB) is the term that's used to describe the transmission system being used to take radio into the digital age, but most people are now referring to the new technology as Digital Radio.

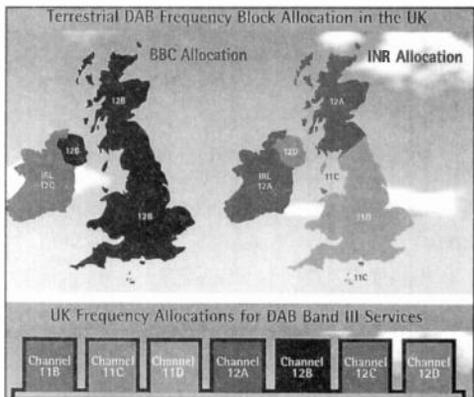
So what will Digital Radio offer the ordinary person in the street? In the case of radio this doesn't just mean more channels and more choice but also robust reception and CD-quality sound - on the move or in the home. It means a listening and even viewing experience which will give radio its place in the digital, multi-media age.

Yes, because the radio signal is converted into binary digits, it can transmit not just sound, but text, data and even still pictures, because they too can be converted into binary form. Broadcasters, both public and private, are working on these opportunities at the moment. You could get traffic information, with maps being transmitted and displayed on a screen. Information and notes about the music track that's playing could be sent, or financial statistics and share prices. There is plenty of opportunity for more interactivity with the broadcaster.

It sounds futuristic, but it is happening here and now. The UK is among the most advanced in the implementation of Digital Radio, and the BBC

has played a pioneering role in the development of both the technology and programming of Digital Radio services, including experimenting with multimedia transmissions on its multiplex.

In the same way as a multiplex cinema provides a number of screens showing different films at various times of the day or week, a DAB multiplex allows the broadcaster an equally flexible approach to programming.



Seven multiplexes have already been allocated by the Government:

- one for BBC national radio;
- one for commercial national radio (the three existing commercial national radio services, Classic, Talk and Virgin are guaranteed places on this);
- five for local radio in England and stations in Scotland, Wales and Northern Ireland (BBC and commercial).

Each multiplex can carry up to six stereo channels or more with a combination of mono and stereo. The BBC is already simulcasting Radios

1, 2, 3, 4 and 5 Live as Digital Radio services, and will be announcing further services providing more music, more sport, and more news and information. The commercial multiplex licences are being advertised by the Radio Authority in 1998.

Existing commercial stations in the UK are being offered an eight year extension to their existing AM/FM licences as an incentive to move to offering Digital Radio services, and groups like Classic/GWR and Virgin have been active in conducting digital radio trials. In 1997 there were more than 20 stations broadcasting test transmissions across London alone.

The consumer-launch phase of the technology is also beginning. DAB is already at an advanced stage of development in Europe where many broadcasters already transmit a variety of programmes in DAB format via networks of transmitters.

In France, 16 public and commercial programmes are broadcast to a potential audience of 10 million in the Paris region.

In Germany, extensive pilot projects broadcast 120 programmes to a potential audience of 30 million. In Belgium 80 per cent of the population is covered.

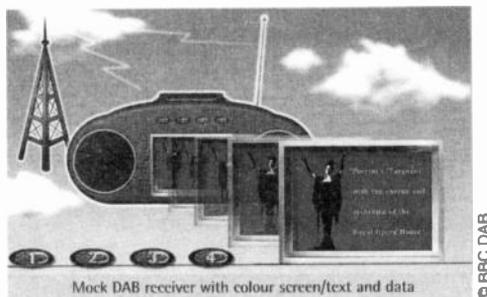
In the UK, 27 BBC transmitters for its national multiplex will have reached 60 per cent of the population in the Spring 1998. This will provide coverage for the major urban centres and most of the motorways in between. When equipment manufacturers start marketing the first consumer-type receivers in 1998, approximately 100 million Europeans will be within reach of DAB transmissions.

At the Internationale Funkausstellung (IFA '97) in Berlin in September 1997, an international consumer electronics fair, around 17 manufacturers presented digital audio broadcasting (DAB) receivers. At the show, thirteen manufacturers exhibited car receivers and eight manufacturers showed 'non-car' DAB receivers, of which six were home Hi-Fi units - the others being PC DAB receiver cards. We have yet to see portable receivers but I am convinced that it



won't be too long before they come along. After all, radio's unique advantage has been, and will remain, that it is portable and wireless.

The BBC presented Her Majesty, The Queen, with a Digital Radio during her visit to Broadcasting House in October 1997. On presenting the gift, the BBC Chairman, Sir Christopher Bland, said that on the BBC's 50th anniversary in 1972, the latest technology of the time was presented to The Queen. That had been a video recorder, something now commonplace in most households. On the occasion of the BBC's 75th Anniversary, it once again turned to the latest technology - a Digital Radio.



Others in the UK have already had the opportunity to listen to digital radios. The BBC has

been conducting audience research by installing Digital Radios in people's homes and cars for a month, to see how they enjoyed the benefits of DAB first hand. Focus groups have already taken place in a number of regions including, London, Birmingham and Bristol.

Comments from people testing the Digital Radio sets have included: "the sound was sharper"; "it's like being at the match"; "like listening to a CD"; "it's like being at the concert" and so we can conclude that people do enjoy the sound quality that Digital Radio offers.

But that's not all that Digital Radio offers, as one of the Focus Group participants - a music fan, explained: "I like to have the radio on while I work, but often while I'm listening to a new song I think is great, the phone might ring and I'll miss the DJ's announcement of what the track was. But with DAB, it actually displays the song title on a little screen and the name of the band!"

For radio, the benefits of Digital Radio are soon to arrive. Even so, the BBC has pledged to defend the quality of analogue services and will continue to invest in this area. However, the Government has said that it will review, on a regular basis, switching off analogue transmissions. The key plank of investment in digital for the BBC is, therefore, delivering the benefits of our services - both on radio and television - in the digital age and this represents a sound investment for the future.

Please contact BBC Digital Radio, Room 505 HWH, 3 & 6 Langham Place, London W1A 1AA or fax 0171 765 4427 or email [bbcddb@bbc.co.uk](mailto:bbcddb@bbc.co.uk) for a free BBC Digital Radio pen and more information about the BBC's current plans.



© BBC DAB

**"By the year 2008 we hope to see DAB sets in 40% of UK households (10 million homes)"**

## Digital Radio - key features

- **CD reception quality**
- **Reduced interference**
- **Space on the airwaves for more stations**
- **Easy tuning**
- **Additional information sent to your radio.** This could be simply the programme name you are listening to, the title of the music track showing on a character display (a little like an RDS radio), or traffic information or anything else the broadcaster wants to send.
- **Pictures.** With a built-in screen or a screen linked to the set, broadcasters can send pictures with radio programmes.

### **Don't confuse Digital Radio Broadcasting - with Digital Radios!**

The move to rename DAB - Digital Radio, makes sense, but can be a little confusing. Many radios currently available in 1997 are called digital radios, because once they receive a radio signal they handle

it in a digital way, and have a digital (numbered) frequency display. This is **not** the same as Digital Radio (DAB).

To receive Digital Radio (DAB) broadcasts, which are digital in the way the signal is transmitted and the way the radio handles it, you will need a new radio. These are not yet widely available. (Editor)



# The Sony Radio Awards

Moray Firth celebrate winning the *Local Station of the Year Award*

Claiborne Mitchell reviews the 1997 Sony Awards

With Michael Aspel at the helm, this year's Sony Radio Awards, celebrated the best, most innovative and most exciting radio in Britain. With around 1000 entries flooding-in from over 200 stations across the country, the competition was stiff.

This year's Awards saw more regional stations and programmes taking the top prizes than ever before. BBC Radio Ulster scored a hat-trick with awards for *Response to a News Event*, *Phone In/Topical Debate* and *Interview of the Year*. BBC Radio Wales, Radio WM (West Midlands) and Radio Scotland each picked up two Golds.

Moray Firth Radio, one of the smallest commercial radio stations which has regularly featured in previous Sony Radio Awards, scooped *Local Station of the Year* for the second year running and a Gold for *Local Involvement*.

Heart 106.2FM signalled their Sony success by launching an exuberant and extensive billboard campaign across Greater London promoting its Sony Award-winning *Music*

*Based Breakfast Show*. BBC Radio 5 Live came out tops again this year celebrating both John Inverdale as he collected the *UK Broadcaster of the Year Award* and Alan Green, as he took the *Sports Broadcaster of the Year*. 'Kickin' on BBC Radio 1 scooped the *Sports Programme of the Year* and was praised for its alternative and entertaining view of football.

Impressing the judges with their wide range of arresting and original news items was the BBC World Service News, which took the Gold for *News Presentation*. The *Current Affairs Programme of the Year Award* was presented to the BBC Radio 4 Asia Gold team who, in the words of one judge, "brought awakening Asia to us with brilliant clarity."

Radio 5 Live's 'Papertalk' show picked up another Gold for *Magazine Programme of the Year*. BBC Radio 3 took a Gold Award in *Documentary Feature* for their programme 'Alexandrias' which transported judges "to another world, describing the inner mystery of memory and how it affects our

own lives." A witty and entertaining programme, 'The Taylor: The Afternoon Shift' presented by Laurie Taylor on BBC Radio 4 took the *Short Information Award*.

The *Specialist Music*, and *Themed Music Programme Awards* went to three most deserving programmes. BBC Radio 3 conveyed an original and often humorous treatment of Beethoven's Fifth Symphony using mixing techniques which have characterised 80's and 90's contemporary dance music. BBC GLR and Virgin Radio tied for the *Themed Music Award*.

Another Sony went to Kate Fawcett at BBC Radio Scotland. She took *Local/Regional Reporter of the Year*, impressing the judges with her extraordinary 72-hour report of the horror of the Dunblane tragedy. The judges remarked that her tone and tenor were exemplary. Another eloquent and moving example of first class reporting was acknowledged, as Jane Standley received the *UK Reporter of the Year Award* for her reports from the Rwanda-Zaire border.

Radio 3 carried home two more high-profile Awards. The programme 'Live From Tanglewood' gained the *Coverage of an Event Award* and 'Private View' offered us stuffed sheep, severed cows and an original take on the burgeoning contemporary art - stealing the *Arts Programme of the Year* from Radio York.

Comedy is always a tough one to judge and this year's task offered no let up. Britain's first all-Asian comedy 'Goodness Gracious Me' pulled together a glorious ensemble of established and unknown Asian writers and performers. They came up with a refreshing and different show celebrating British Asian humour carrying away the *Comedy Award* for BBC Radio 4.

The focus of the winners of the *Drama and Best Dramatic Performance Awards* was squarely in the realm of the sensual. 'The Voluptuous Tango', BBC Radio 3, allowed us in on the seductive setting evoked by the American dancer Isadora Duncan as she dined with F.T. Marinetti, the founder of Italian Futurism. Talk of fascism, war and clashing cultures mixed with

heady talk of food and dance, stirring the listener as music and text wove confidently in and out of one another. Kelly Hunter's performance of Celeste in 'Transit of Venus' for BBC Wales as a woman making the transition from first love to the awareness of its loss was touching and wholly believable. Shelagh Stevenson's powerful and disturbing drama 'Five Kinds of Silence' for BBC Radio 4 stormed to the top of the *Society Of Authors' Award For Best Original Drama* list.

BBC Wales' Owen Money won the *Local/Regional Broadcaster of the Year Award* and Steve Martin at The Pulse scored for independent local radio by winning the *Programme Controller of the Year*. Les Ross of 95.6FM BRMB kept Birmingham in the limelight winning a *Special Award* for his 25 years in broadcasting during which he has continuously called on his lightning wit to respond to any event. Michael Green was also honoured with a *Special Award* recognising his nurture of some of the greatest broadcasting talent of our times and indeed for his very own innovative presentation of some

**..winners**

**National Station**  
Classic FM

**National Broadcaster**  
John Inverdale

**Local Station**  
Moray Firth

**Local Broadcaster**  
Owen Money - BBC Wales

**Gold Award**  
Jimmy Young

of the most thought-provoking radio on the BBC.

The *UK Station of the Year Award* went to Classic FM. The judges recognised the consistent quality and creativity this station has generated over its first four years and praised their impressive and accessible programming. Jimmy Young was proudly presented with the *Gold Award*. A broadcasting legend, Jimmy is a household name and has been at the microphone for nearly 30 years. His style is disarming - many have been taken off-guard by his penetrating follow-up questions. He fuses a unique combination of entertainment and information that many have tried to emulate, but can never match.

Once more, the towering power of radio leaned to salute the people who make it one of the richest mediums of communication, and all who left the Grosvenor House that night had an eye on next year's prizes.

John Davies, Kara Noble and David Prever, The Heart FM 'Morning Crew'



# The BBC World Service

Simon Spanswick looks at what's on and how to tune-in.

The BBC World Service is the world's most trusted broadcaster with a measured regular audience - people who tune in at least once a week - of more than 140 million. Somewhere in the region of 37 million people listen to the 24 hours a day English language service, while the rest tune to the other 44 languages which are broadcast from Bush House in central London. The World Service audience is the biggest of any international radio station; in fact it is almost double that of its nearest competitor, the Voice of America.

One thing which has helped maintain BBC World Service's pre-eminence in recent years has been the introduction of separate English-language streams with programmes time-shifted to allow listeners worldwide to hear the output they most need; after all, there is little point in having a 90-minute drama on during breakfast time when news and current affairs is what's wanted! Three streams currently make up World Service English, one serving Europe and North America, another for Africa and a third covering Asia and the Pacific.

It is news and current affairs for which the BBC is most renowned. The hourly news

bulletins - still read by announcers rather than journalists - are rightly considered to be impartial and reliable. Whether you are a president or a journalist, a military commander or a refugee, a business person or holiday-maker, if you want to know what's happening anywhere in the world, including your own back yard, you tune to London. More than 200 news bulletins are prepared each day by the staff of BBC News expressly for BBC World Service, drawing on the unrivalled newsgathering network of 250 BBC correspondents around the world, plus a similar number of freelance journalists, known as stringers.

But of course there is more to life than news, and BBC World Service reflects the whole of human endeavour. Programmes about business, the Arts, science, the environment, women's issues and religion form a major part of the World Service schedule. There is a wide range of music covered too, from the classical repertoire, to current trends in pop. Request shows remain ever popular, with old favourites like *A Jolly Good Show* still presented by award-winning disc jockeys like DLT (Dave Lee Travis).

## How to listen

### On Short Wave

If you have a short wave receiver, try 3.955, 6.195, 7.325, 9.41, 12.095 and 15.575 MHz.

Remember that higher frequencies tend to work best during the day, lower frequencies at night.

### On 648 medium wave

If you live in London or the south-east of England, you can hear the BBC World Service in English on 648kHz for most of the day.

### On Satellite

Listeners with satellite equipment can enjoy hi-fi quality reception via Astra. Tune to the UK Gold television channel, and then select the audio signal at 7.38 MHz.

### Overnight on Radio 4

Overnight, BBC World Service is carried on the Radio 4 long wave frequency of 198 kHz (1515 m) when the national station closes down. World Service is also broadcast on Radio 4's FM transmitters at night, and on many BBC local radio stations after they close down.

Award-winning drama is produced at Bush House and famous thespians tread the radio boards in major classical productions and new works from contemporary playwrights which the World Service commissions.

Information about BBC World Service programmes, including frequency details, is available in six-monthly programme guides published each October and April and available free-of-charge on request. There are five guides, each covering a different part of the world; ask for the Europe, North Africa and Middle East guide, or the guide for Africa; South Asia; Asia and the Pacific; or the Americas.

## Listening to London

BBC World Service broadcasts on short wave and medium wave for listeners in Europe. If you live in London or the south-east of England, you can hear BBC World Service in English on 648 kHz (463 m) for most of the day (at some times, this frequency carries the BBC German Service). The transmitter is at Orfordness on the Suffolk coast with aerials directed towards the continent, so reception quality in the UK is variable.

Overnight, BBC World Service is carried on the Radio 4 long wave frequency of 198 kHz (1515 m) when the national station closes down. World Service is also broadcast on Radio 4's FM transmitters at night, and on many BBC local radio stations after they close down.

If you have a short wave receiver, try 3.955, 6.195, 7.325, 9.41, 12.095 and 15.575 MHz. Remember that higher frequencies tend to work best during the day, lower frequencies at night.

Listeners with satellite equipment can enjoy hi-fi quality reception via Astra. Tune to the UK Gold television channel, and then select the audio signal at 7.38 MHz.

If you are going on holiday, write to BBC World Service for a copy of the *Pack the BBC* leaflet and the programme guide for the area you are travelling to. Both are available free-of-charge from BBC World Service, Bush House, London WC2B 4PH. The e-mail address is - [worldservice.letters@bbc.co.uk](mailto:worldservice.letters@bbc.co.uk). The web site is at - [www.bbc.co.uk/worldservice/](http://www.bbc.co.uk/worldservice/)

## BBC On Air



A monthly magazine, *BBC On Air* gives comprehensive World Service programme details, and frequency news, together with details of *BBC World* and *BBC Prime* television. It is available on subscription for £18.00 a year *BBC On Air*, PO Box 765, Bush House, London WC2B 4PH, UK Tel. 0171 257 2211

## Sample Schedule Mondays Nov '97

To give a idea of the range of programmes on the World Service we have reprinted a sample schedule. For an up-to-date schedule with full programme details see *BBC on Air*.

*Radio Times* also publish a simple guide showing what's on.

### Mondays - Nov 1997

0000 Newsdesk 0030 Short Story  
0045 Britain Today - News 0100  
Newsdesk 0130 Pick of the World  
0200 Newsday 0230 Meridian 0300  
World News 0305 Write On 0315  
Sports Roundup 0330 The Works  
0400 Newsdesk 0430 Westway -  
Drama 0500 Newsday 0530 1st  
Heritage 0600 Newsday 0630  
Omnibus 0700 World News 0715  
Off The Shelf - Readings 0730 The  
Vintage Chart Show 0800 World  
News 0810 Pause for Thought 0815  
Various 0900 World News 0905  
World Business Report 0915 Various  
0930 Westway Access 1000  
Newsdesk 1030 Omnibus 1100  
Newsdesk 1130 Jazzmatazz 1200  
World News 1205 World Business  
Report 1215 Britain Today News  
1230 Seven Days 1300 Newshour  
1400 World News 1405 Outlook  
Features 1430 Options - Youth 1500  
World News 1505 Sports Roundup  
1515 Westway Access 1530 Various  
1600 World News 1615 Seven Days  
1630 The World Today 1645 Britain  
Today News 1700 Europe Today  
1730 World Business Report 1745  
Sports Roundup 1800 Newsdesk  
1830 Various 1900 News Summary  
1901 Outlook Features 1925 Pause  
for Thought 1930 Multitrack Hit-List  
2000 Newshour 2100 World News  
2103 World Business Report 2115  
Britain Today - News 2130 Various  
2145 The Brain 2200 Newsdesk  
2230 The World Today 2245 Sports  
Roundup 2300 World News 2305  
Outlook 2330 Multitrack Hit-List

# Global Radio

Simon Spanswick investigates the wide world of wireless.

A glance through the *Radio Listener's Guide* tells you that there is a huge range of stations across the country catering for just about every taste. Now think of the number of countries in the world, and multiply the number of stations there are in each, and you soon realise that radio is big business.

Amongst this enormous world-wide choice of broadcasters are many which make programmes designed for audiences abroad. This is international broadcasting and more than 120 international radio stations beam programmes in English to audiences from Kendal to Katmandu, including Britain's own BBC World Service.

It is easy to listen to a number of European international stations here in Britain without anything more than a conventional radio set which has the medium wave band. After dark, medium wave signals travel much further than they do during the hours of daylight. The radio waves travel up to the earth's ionosphere and are reflected back to earth - they behave rather like a tennis ball bouncing around a tennis court.

**I've chosen a selection of stations with English services**

## that can be heard well here in Britain on medium wave -

note that all times are in GMT, so from the end of March, subtract one hour from BST (British summer time), to work out when the station is on the air, although some stations move with the clock change and effectively remain at the same local clock time. And don't forget that if you are trying to learn a European language, listening to radio stations broadcasting in that language can really benefit you. It is easy to listen to French, German and Spanish on medium wave - try tuning around to find the language you need.

### Belgium

Flemish Radio and Television looks after international radio for this dual-language country, and *Brussels Calling* is on the air every day on 1512 kHz (198 m) at 2100GMT. The programme has news from Belgium and neighbouring countries plus a review of the Belgium press, followed by features that examine all areas of life in Belgium from the Arts to tourism, sport to the environment.

### Netherlands

Radio Netherlands is the Dutch international service. It

## stations

### Belgium

*Brussels Calling* is on the air every day on 1512 kHz at 2100 hrs.

### Netherlands

Radio Netherlands broadcasts to Britain daily from 2130 to 2325 hrs on 1512 kHz medium wave.

### Norway

Every Sunday you can hear a half-hour English programme from Oslo. Tune to 1314 kHz at 1800 GMT.

### Russia

Voice of Russia is on the air on 1143 kHz, 1467 kHz, 1494 kHz and 1540 kHz during much of the evening and through into the early hours.

### Slovenia

A brief news broadcast at 2130 GMT on 918 kHz.

### Sweden

English is on the air every day at 1830, 2030 and 2230, plus 2130 at weekends, on 1179 kHz.

### By satellite

More than 20 international broadcasters are available by satellite on the World Radio Network. WRN1, the English service, is on Astra. Tune to UK Gold (transponder 22) and select the audio channel at 7.38 MHz to hear the best of public service radio from around the world.

broadcasts to Britain daily at 2130 to 2325 on 1512 kHz medium wave via Radio Vlaanderen's transmitter in Belgium. After 20 minutes in-depth news, current affairs and analysis there is a feature programme, ranging from Monday's *Research File* which examines science and technology from all over the world, to *Media Network* every Thursday, that covers the world of electronic media from the World Wide Web to short wave radio.

## Norway

Radio Norway International from NRK, the public service broadcaster, is on the air every day in Norwegian, aimed principally at Norwegians overseas and the country's extensive maritime industry. Each Sunday there is a half-hour English programme at 1800 on 1314 kHz with news about Norway, plus the Arts, science and a peek beneath the veneer of Norwegians from Trondheim to Stavanger.

## Russia

Voice of Russia, the successor to Radio Moscow, can be heard from around 1700 GMT during winter on one of four medium wave frequencies, including 1143 kHz, 1467 kHz, 1494 kHz and 1540 kHz. Tune in for news from across Russia and the Commonwealth of Independent States plus Russian language courses and more besides.

## Slovenia

At 2130 GMT daily on 918 kHz there is an English news bulletin

from Radio Slovenia. The broadcast is followed by a similar newscast in German before the station reverts to the domestic service in Slovenian.

## Sweden

Radio Sweden is part of Sveriges Radio which runs national television and radio in Sweden. The station broadcasts in Swedish, Dutch, Estonian, Latvian and Russian. English is on the air every day at 1800, 2030 and 2230, plus 2130 at weekends, all on 1179 kHz. Tune in for news from across the Nordic region, together with environmental stories, reviews of the Swedish press, media news and music from the north of Europe.

What about the remaining 114 or so stations which broadcast in English? If you want to tune in to them you will need a short wave radio set. Virtually all international broadcasters transmit their programmes via short wave, which works all day long in the same way as medium wave does after dark.

This means that programmes from China or India can routinely be picked up in Britain, and conversely that BBC World Service can be easily heard in Beijing and Bombay.

One problem is finding your way around the short wave dial. Just as you need a map to tell you how to find a road in a town you've never visited, you need a guide to the short wave frequencies used by broadcasters.

## Listening Guides

There are a number of good guides on the market.

These include the annual *World Radio TV Handbook*,



published each Dec/Jan at around £18, the *Passport to World Band Radio*,



published in October at £15.50. Both books are available in book shops or from *Short Wave* magazine's book ordering service.



The twice-yearly (Jan and July) *Global Radio Guide* - £4.35 (each issue) lists all broadcasts in English and is available by mail order from the Association for International Broadcasting, PO Box 990, London SE3 9XL

# Continental medium wave and long wave stations

Compiled by the Foreign Media Unit, BBC Monitoring, in January 1997, the following list is a guide to stations that may be heard.

Reception can vary considerably from one part of the United Kingdom to another. This, and factors

such as the type of radio used, and differences between day-time and night-time reception conditions, mean that this list is simply a guide to stations that may be heard given the right conditions.

## long wave

Freq kHz	Country	Station	Language(s) (* = inc English)
153	Germany	Deutschlandfunk	German
162	France	France Inter	French
177	Germany	Deutschland Radio	German
183	Germany	Europe 1	French
216	Monaco	Radio Monte Carlo	French
225	Poland	Polish Radio 1	Polish
234	Luxembourg	RTL	French
243	Denmark	D.R. Radio 1	Danish
252	Eire	Atlantic 252	English
270	Czech Republic	Czech Radio	Czech

## medium wave

540	Belgium	BRTN Radio 2	Dutch
567	Eire	RTE Radio 1	English
585	Spain	Radio Nacional	Spanish
612	Eire	RTE '2FM'	English/Gaelic
621	Belgium	RTBF Radio 1	French
639	Spain	Radio Nacional	Spanish
675	Netherlands	Radio 10 Gold	Dutch
711	France	Radio Bleue	French
747	Netherlands	NOS Radio 1	Dutch
846	Italy	RAI Radio 2	Italian*
864	France	Radio Bleue	French
873	Germany	American Forces	English
900	Italy	RAI Radio 1	Italian*
927	Belgium	BRTN Radio 1	Dutch
963	Finland	Radio Finland	Various*
972	Germany	Nord. Rundfunk	German
1008	Netherlands	NOS Radio 5	Dutch
1062	Denmark	D.R. Radio 2	Danish
1098	Slovakia	Slovak Radio	Slovak
1134	Croatia	Croatian Radio	Croatian*
1179	Sweden	Radio Sweden	Various*
1269	Germany	Deutschlandfunk	Various*
1278	Eire	RTE '2FM'	English
1287	Czech	Radio Free Europe	Czech/Slovak Republic
1314	Norway	NRK - Prog 1	Norwegian
1377	France	Radio Bleue	French
1386	Russia	Radio Moscow	Various*
1395	Netherlands	Talk Radio	Dutch
1422	Germany	Deutschlandfunk	German
1440	Luxembourg	R. Netherlands relay	Various*
1467	Monaco	Trans World Radio	Various*
1512	Belgium	Radio Flanders International	Various*
1530	Vatican	Vatican Radio	Various*
1539	Germany	TWR/ERF	German
1566	Switzerland	Radio Eviva	German

The Student Radio Association (SRA) represents most student stations. Nick Wallace is the current chairman. He can be contacted on 0151 7941910.

Alternatively the SRA can be contacted through the Radio Academy telephone 0171 255 2010. The SRA also run an

Internet web site which lists their members and addresses at <http://b1000.brunel.ac.uk:8080/sra/>

1996 saw the Oxford-based student station *Oxygen 107.9*, awarded a permanent licence by the Radio Authority. However this is the exception, with most

stations using a very low power induction loop system to cover their campus. Stations can also take out up to two Restricted Service Licences a year.

## SRA member stations are listed below.

### **B-1000 Radio Brunel**

Frequency - 999AM  
Brunel University, Kingston Lane,  
Uxbridge, Middlesex UB8 3PH  
Tel: 01895 203009

### **Bailrigg FM**

Frequency - 87.7FM  
Fylde College, Lancaster LA1 4YF  
Tel: 01524 593902

### **Chaos Radio**

Frequency - Internal System  
Wye Valley Training, 18-19 Bath  
Street, Hereford HR1 2HE  
Tel: 01432 276899

### **Cambridge University Radio**

Frequency - 945AM  
Churchill College, Cambridge  
CB3 0DS  
Tel: 01223 501004

### **Demon FM**

Frequency - RSL FM  
DSU Building, 4 Newarke Close,  
Leicester LE2 7BJ  
Tel: 0116 255 5576

### **Fresh FM**

Frequency - RSL FM  
UWE Media Centre, Bower  
Ashton Campus, Clangage Road,  
Bristol BS3 2JU  
Tel: 01179 872577

### **Fresh Air FM**

Frequency - RSL FM  
5/1 Bristo Square, Edinburgh EH9  
2LL  
Tel: 0131 650 2570  
<http://www.ed.ac.uk/~esr1>

### **Kick FM**

Frequency - RSL FM  
Byron House, Shakespear Street,  
Nottingham NG1 4GH  
Tel: 0115 952 8800

### **Livewire**

Frequency - 945AM  
Union House, University of East  
Anglia, Norwich NR4 7TS  
Tel: 01603 250020

### **Loughborough Campus Radio**

Frequency - 963AM  
The Postroom, Loughborough  
University, Ashby Road,  
Loughborough LE11 3TU  
Tel: 01509 223349

### **Oxygen FM**

Frequency - 107.9FM  
Suite 41, The Westgate Centre,  
Oxford OX1 1PD  
Tel: 01865 724442

### **Pure FM**

Frequency - RSL FM  
Alexandra House, Museum Road,  
Portsmouth  
Tel: 01705 845115

### **Ramair**

Frequency - 945AM / 98FMC  
Communal Building, University of  
Bradford, Bradford, Yorkshire  
BD7 1DP  
Tel: 01274 383267

### **Shout FM**

Frequency - RSL FM  
The Haigh Building, Maryland  
Street, Liverpool L1 9DE

Tel: 0151 794 1910

<http://www.livjm.ac.uk/shoutfm/>

### **Sub City Radio**

Frequency - RSL FM  
John McIntyre Building,  
University Avenue, Glasgow G12  
8QQ Tel: 0141 339 8541

### **University Radio Essex**

Frequency - 999AM  
Students' Union, Wivenhoe Park,  
Colchester CO4 3SQ  
Tel: 01206 863211 ext 230

### **University Radio Falmer**

Frequency - 999AM  
Norwich House, University of  
Sussex, Brighton BN1 9QS  
Tel: 01273 678999

### **University Radio Nottingham**

Frequency - 1602AM  
Students' Union, Portland  
Building, University Park,  
Nottingham NG7 2RD  
Tel: 01159 515522

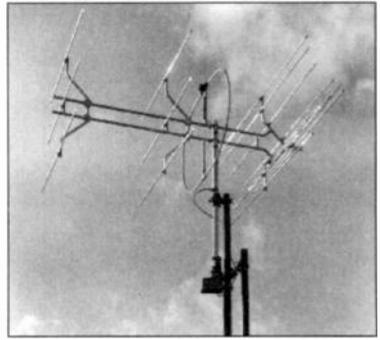
### **University Radio York**

Frequency - 999AM  
Alcuin College, University of  
York, Heslington, York YO1 5DD  
Tel: 01904 433840

### **Xtreme 963**

Frequency - 963AM  
Swansea University Union,  
Mandela House, Singleton Park,  
Swansea SA2 8PB  
Tel: 01792 295466 ext 4641

# Aerials and improving reception



*A highly directional FM aerial, with a rotator*

## FM reception

The coverage of FM services in the UK is designed on the assumption that adequate outdoor aerials are provided.

## Listening to FM on a portable set

For good indoor reception find the rooms 'sweet spot'. Try positioning the radio at different points in a room. Reception is often better near a window, and generally, the higher the set, the better the reception. For FM reception telescopic rod aerials should be fully extended, and tried at different angles until the best reception is found. Personal radios often use the earphone cable as the FM aerial. If so, make sure it is fully extended.

## Outdoor FM aerials

These are normally connected to a hi-fi tuner or radio which takes a co-axial connector. There are two main types.

### Directional aerials

These have a number of elements. The more elements, (and generally the larger the aerial), the higher the gain, and the better the signal. Unless fitted with a small motor to rotate them (this can prove expensive!), directional aerials are usually aligned so that they point directly at one transmitter.

This could be your nearest main BBC transmitter or another broadcasting your favourite station.

Near the South East coast, listeners should use a good quality directional aerial to minimise interference from continental radio stations.

**Omni-directional aerials** look all round with no directional properties. The simplest of these is the Vertical Single Dipole, an example being Antiference's 'Radio Rod'.

They can be useful, as the proliferation of local radio stations, has resulted in signals coming in from all directions.

## What does it cost?

Aerial costs vary. A simple omni-directional aerial such as the 'Radio Rod' costs about £15 off the shelf (without installation); and a more complex 5 element directional aerial about £35. Installation is well within the capabilities of most DIY enthusiasts.

Aerials should ideally be mounted outside, although in good reception areas the aerial could be installed in the loft or roof space. They must be kept clear of metal objects. The metal foil cladding used in some forms of loft insulation, can cause problems.

## Professional installation

For about £80 an installer will supply and install an average set-up. The aerial should be installed as high as possible, preferably above the ridge line of the building. The installer should use good quality cables and connectors. They should have specialist tuning aids and should be aware of local reception difficulties.

## Polarisation

Traditionally, fixed aerials have been aligned with their elements positioned horizontally. However, to help car radio and indoor reception, horizontal-only transmissions, have nearly all been replaced by mixed (horizontal and vertical) transmissions. It is now generally better to align the aerial vertically.

## MW and LW reception

Other than in cars, medium wave and long wave are usually received by the radio's internal aerial, often called a ferrite rod. On hi-fi tuners this may consist of an external wire loop on a frame.

To find the best reception, the radio or loop needs to be moved round to find the best position. Watch out for

interference from fluorescent lights, computers, televisions and videos, which affect LW and MW much more than FM.

### Short wave

On most portables the telescopic aerial is used for short wave reception. If you are not happy with reception try our 'top tip' for portables.

After that, if reception is still poor, you could try putting up a long wire aerial or installing an active antenna.

A **long wire** normally consists of a wire, about seventy five feet long, supported at each end with insulators, and connected to your set. See *Short Wave* magazine for dealers who will be able to supply the equipment.

### An active antenna

This could be the answer to improving reception on LW, MW or SW, particularly if finding the space for a long wire aerial is a problem.

Datong Electronics supplies the generally well-rated AD 370 active antenna. It costs £93.94

### In Car

Ideally go to a specialist, and check that cheap quotes aren't just skimping on the installation (poor quality cabling and connectors) and after sales service.

A good aerial is particularly important for FM reception. Aerials should preferably be roof mounted (the extra height improves reception and reduces interference), vertical and about 32" long.

Most car aerials, and incidentally those on portable radios, are too short.

including VAT and delivery. Tel 0113 2744822

### Our experiences

We have installed a number of aerials including a large highly directional FM aerial on a rotator (see picture opposite), an omni-directional 'Radio Rod', and an active antenna.

Near Oxford, where we are based reception conditions for the main national stations are good. However, we noticed an improvement in reception quality with the installation of an external aerial, mainly because it moved the aerial well away from sources of interference; such as computers, TVs and fluorescent lights. This was more noticeable for medium and long wave stations, than for FM.

An omni-directional aerial is sufficient, and we noticed little difference in reception quality between this and more expensive directional aerials. For weaker FM stations such as Oxford's Oxygen, 15 km away and with only a 100 Watt transmitter, we get no reception

### In Caravan

Remote holiday areas often have FM stereo coverage that is not as good as you are used to. Radios also tend not to work so well inside a caravan unless they have an outside aerial.

A simple and relatively cheap omni-directional aerial such as Antiference's 'Radio Rod' (£15) can help improve matters. Alternatively, an omni-directional, combined TV and Radio aerial is available from caravan centres, for about £90.

on most portables. A quality FM portable gives reception with some interference. A basic external FM aerial, plugged into a suitable radio (with a coaxial connection) gives good stereo reception.

For AM, an active antenna has improved reception of stations such as Atlantic 252. Not only increasing signal strength, but again reducing interference generated within the house. When listening to distant FM stations an external aerial has been essential. Tuning to Capital FM's 4kW Croydon transmitter over 100 km away with our radio's telescopic aerial extended, resulted in no signal. With either a Radio Rod, or directional aerial, reception was improved - with stereo reception and only a slight hiss and crackle. Deselecting stereo on the radio cut out most of the crackle.

Large directional, and rotating aerials come into their own when hunting out weaker FM stations, or cutting out interference from other transmitters.

### Portables-Top Tip

*We found this idea in Passport to World Band Radio, and it really works!*

Fasten (ideally solder) several metres of insulated wire to a crocodile clip. Clip this to your set's telescopic aerial, and use it like an extension to the aerial. Alternatively hang it outside a window - avoiding contact with power cables! It can really improve FM and short wave reception.

# Choosing a radio

Before you buy a radio, decide what you want it for. If it is for home use, and stays tuned to Radio 4, there is little point in buying a £300 world band receiver.

## An expensive radio doesn't necessarily improve reception!

If you're buying an expensive radio simply to solve a reception problem STOP! Read the section on aerials and improving reception first. A few simple steps, or a cheap outside antenna could be all you need.

## Personal, portable or world band

Radios are often grouped into the above categories.

Personal radios are very small radios 'Walkman' sized or smaller, designed for listening while you are on the move.

Portables are larger and range from small sets operating only on batteries, to much larger radios with built in mains adaptors. World band receivers are sets with short wave coverage. Despite the fact that this guide does not cover short wave stations, we do look at world band radios - simply because many of the advanced features found in such sets improve FM, MW and LW reception.

## Buy the best radio you can afford

When buying a radio, you usually get what you pay for. In particular, avoid the cheap unbranded receivers seen

advertised in the press. They usually offer poor performance and poor reliability.

## The digital dilemma

Its worth mentioning here that Digital Audio Broadcasting is around the corner. Prices for DAB radios are initially predicted to be £500-£600, falling to £100-£200 within several years. Bear this in mind if you are planning to spend a lot of money on a radio, it might not seem quite so well-spent in several years time, when digital radios are available and have started to fall in price.

## Small size means small sound

The smaller the radio the more portable it may be, but it will have a smaller loudspeaker and will be much less suitable for playing at any great volume. Very small sets are often only suitable for use with earphones.

## Check it covers enough bands

If you are interested in a radio that receives the majority of UK stations, choose a radio capable of receiving FM and medium wave. Choose long wave also if you want to listen to the World Service on 198 kHz, Atlantic 252 and Radio 4 on LW. There are still parts of the country where long wave is essential for good

## The Jargon

**AM** stands for amplitude modulation. Used to describe the long, medium and short wave bands.

**Analogue/Digital** Analogue radios are those which work without a digital readout for tuning. They usually have a slide-rule style tuning dial.

**Bands** The broadcast bands are **FM**, medium wave (**MW**), long wave (**LW**) and short wave (**SW**) Multi band radios simply cover more than one band, but normally include short wave.

reception.

If you want to use the radio to listen to BBC World Service Broadcasts while travelling abroad, you will need a radio with short wave. Short wave is also useful in the UK, if you want to listen to broadcasts from other countries.

## Digital or analogue tuning

This refers to the way the radio is tuned to a frequency. Analogue tuning sometimes termed 'mechanical tuning' usually operates by a control



that moves a pointer across a tuning scale. Tuning is not as precise as digital tuning.

Digital tuning can be operated in a number of ways. Best of all, the frequency can be entered on a keypad. Other methods include a rotary tuning knob, or pair of switches, enabling you to scan up and down the frequency numbers until you find the frequency you want. Expensive radios often have both direct entry and scrolling features.



Digital tuning takes the guesswork out of finding a frequency and as far as we are concerned is preferable to analogue tuning.

### Presets or memories

Presets allow the reselection of a favourite radio stations at the touch of a button.

If you like listening to a range of stations they are an invaluable feature that really simplifies and speeds up retuning. They are a

feature usually (although not exclusively) found on digital radios.

### Clock/Alarm Features

These do nothing to improve reception but can be useful additions to a bedside radio, or a radio used when travelling.

### Batteries or mains power.

Avoid using a radio on batteries. Batteries are up to 1000 times more expensive per unit of electricity than mains power. Reception can also be better on mains, as once the batteries start to run down, reception suffers.

Many portables can be used with an optional ac adaptor, which costs about £15.

### Aerial

Cheap sets often skimp on the telescopic aerial, it is often too short and doesn't rotate. Changing the angle and orientation of the telescopic aerial is an essential tuning feature for good FM reception. With many personal radios, designed for use while gardening, walking or jogging, the earphone-lead also doubles up as an aerial. A telescopic aerial would get in the way.

### RDS

Although it is now commonplace on car radios, there are a few portable radios and even one personal set with RDS. It is not an essential feature on a portable radio, but the station name display is a useful feature.

(See page 6 for more details about RDS.)

## ...more Jargon

**LCD** (Liquid crystal display)  
Digital radios have an LCD frequency display.

**Local/DX switch** DX stands for distance. This switch adjusts the sensitivity of the radio to improve reception of distant stations, or prevent overloading of the radio by a very strong local transmitter.

### Presets (or memories)

Allow you to programme your radio with the frequencies of favourite stations.

**PLL** (Phase Locked Loop) An electronic circuit in digital radios that locks onto your chosen station to give clear, drift free reception.

**RDS** Radio Data System

### SSB (Single Sideband)

Only essential if you want to listen to ham radio and utility stations.

**Selectivity** The ability of the receiver to select the station is is tuned to, from all the others close to it on the dial/display.

**Sensitivity** The ability of the receiver to work with a faint signal. Useful if you want to tune to distant stations.

### Synchronous detection

Found on top of the range Sony world band receivers. Improves reception on AM.

### World Band

Another name for short wave.

## choosing a radio

### Stereo

Portable sets are often advertised as stereo, but only if you listen through earphones. If you want a louder and stereo sound, and aren't concerned about size, you could be better off looking at a stereo cassette or CD player with built in radio, or even a hi-fi system.

Earphones can be used on radios with an earphone socket but without FM stereo, but depending on the socket used by the radio manufacturer, may only give sound from the left earpiece.

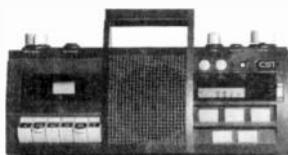
### If you have special needs

We spoke to *Help the Aged*, *The Royal National Association for the Blind* and *Wireless for the Blind*. (*Wireless for the Blind* are a charity who help people who are registered blind, who are unable to buy their own equipment. Their details are given on page 110.)

All three organisations highlighted the problems that their members can face - radios that are not particularly stable, difficulties in tuning, replacing batteries, and operating the controls.

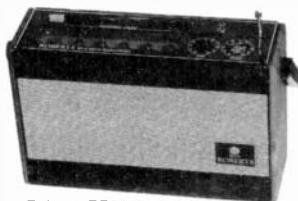
In particular people who are blind, or who have poor eyesight need radios that are straightforward to operate. Features to look for are presets, large buttons, controls that are easy to use. A good contrast between the buttons and the colour of the set can also help people who are partially sighted. We have looked at a number of radios suitable for those with

disabilities and list our conclusions at the end of the reviews section.



Clarke and Smith's Easiplay

Two radios commonly recommended for use by people with disabilities are Clarke and Smith's Easiplay, and Robert's RP28. To see how they perform, and how they compare to other radios, see the reviews later in the guide.



Roberts RP28

### Buying - in the shop

Ask for a demonstration. Although most sales staff in the larger discount electrical stores specialise in hi-fi and video and television, ask them to show you how the radio works. Check that you are happy with the controls and that the size of the radio provides sufficient volume for your needs. Remember that the quality of reception in the shop, (particularly on medium wave and long wave) will almost certainly be severely affected by televisions on display, or the steel structure of the building. If in doubt, try the radio outside.

## Short wave

You generally get what you pay for with a short wave receiver. Cheap or unbranded radios generally, lack quality and sometimes offer only partial coverage of the main short wave bands. They usually only allow you to listen to the stronger international broadcast stations. Before you buy one, check first that it covers the frequencies you want to listen to.

Also, never assume that an expensive short wave radio will enable you to listen to distant countries with the quality that you would expect from a nearby FM or AM transmitter. If you are interested in overseas broadcasts without the whistle and hiss of short wave, look at satellite radio, in particular the broadcasts of World Radio Network (WRN), who feed the output from a number of the world's broadcasters onto satellite.

If you are a serious short wave listener, and want detailed radio reviews, they can be found in *The Passport to World Band Radio* (see the booklist at the back of this guide), or on Radio Netherland's excellent Internet web pages. <http://www.rnw.nl/>

Radio Netherlands also provide a simplified version of their guide for people who do not have internet access. You should write to: The English Language Service, Radio Netherlands, PO Box 222, 1200 JG Hilversum, The Netherlands

## Mail order

If you can't find a local dealer, or have limited mobility we have listed a few radio dealers who supply by mail order.

Before you buy, clarify what will happen if a fault develops with the radio, or if on its receipt, you find the radio is not what you want.

**The Radio Listener's Guide has no financial connection with any of these companies.**

**O'Gormans**, 69 Sheep St, Bicester, Oxon OX6 7JW tel (01869) 246612

**ASK Electronics**, 248/250 Tottenham Court Road, London W1P 9AD tel (0171) 637 0353

**Waters and Stanton**, 22 Main Road, Hockley, Essex S55 4QS tel (01702) 206835

**Tandy** tel (0990) 134935

## Don't forget the accessories

Some radios are sold with batteries, ac (or mains) adaptors, carrying cases, and earphones; many are not. Check what extras are included. Some expensive radios don't seem quite so pricey when you consider that they come with the extras listed above.



short wave aerial



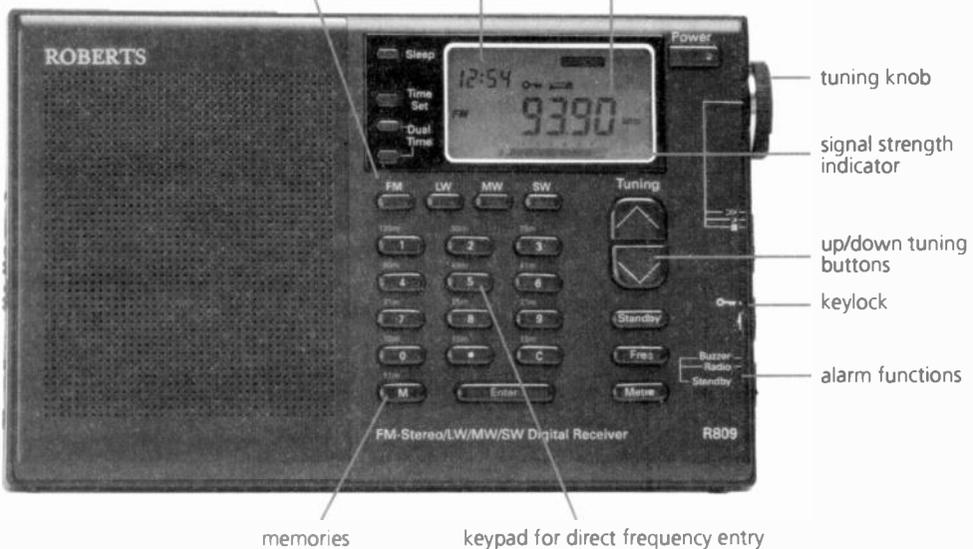
ac adaptor

## Shop around

If you're looking for a bargain it's well worth shopping around. Expensive world band radios in particular, can often be found below their recommended retail price. The same applies to radios that are no longer manufactured but are still on the dealer's shelves. For example, looking at prices in shops in Tottenham Court Road in London during September 1997, we spotted Grundig's Yacht Boy 500 (recently discontinued by Grundig UK) on sale at £130, down from £189.

## A quality digital radio - features to look for

clear labelling of buttons    clock    clear frequency display



# Which Radio?

In the following pages we first show the features of each radio under review in table form. This enables a quick comparison of their features, price and our star rating.

After this, follows a picture of each radio, with our comments. We finish the reviews with our best-buy recommendations on pages 51 and 52.

## Categories

### Personal

Small, highly portable radios - ideal for use while out and about. Sizes vary from tiny cigarette-lighter sized radios to larger radios that you can still slip into a pocket. Most personal radios are designed for use with earphones, with the earphone cable doubling up as their FM aerial.

### Portable

Portables vary in size from smaller than a paperback book, to much larger, barely luggable radios! To enter the category a radio must be capable of running on batteries.

Some radios are sold as world band receivers. World band simply means that the radio picks up short wave broadcasts.

We have made no separate distinction for world band radios and have included them within our portable section. We split all portables into two groups, analogue and digital.

## Star ratings

The star rating system is based on a scale of 1-5.

1 is poor overall value and 5 excellent overall value.

The rating is based on a number of factors - the quality of design, features, reception, sound quality and price.

A number of radios didn't easily fit our categories.

We decided to review **Clarke and Smith's Easiplay** radio cassette, because its radio has unique features designed to help those with a visual handicap. It is included within the portable reviews.

### Tandy's Optimus with TV

was first drawn to our attention last year. It is a radio that also enables reception of TV sound. It is reviewed on page 42 alongside portable radios.

**The Bose Wave** radio has been advertised widely in the press. At £275 it is not cheap. We looked at the radio to see just what you get for your money, and how well the sound quality matches the manufacturer's claims. The review is on page 50.

### Photos not to scale

You should note that so we could show as much details as possible for each radio, photographs are not to scale.

## Radio Suppliers

**AIWA** - (0990) 902902

**Baygen** - (0800) 7313052

**Bose** - (0800) 614293

**Clarke and Smith** -  
(0181) 669 4411

**Grundig** - (0181) 3249400  
(01788) 545827 The recent split from its parent company Philips, has resulted in a severely reduced product list available in the UK.

### Morphy Richards

Part of the same group that owns Roberts. (See Roberts)

**Panasonic** - (0990) 357357

**Philips** - (0800) 801 357

**Roberts** - (01709) 571722

British company with a reputation for traditionally styled radios. They also rebadge Sangean world band radios with the Roberts label for sale in the UK.

### Sangean

One of the world's largest manufacturers of short wave radios; both badging its own radios and producing sets in the UK for companies such as Roberts.

**Sony** - (0990) 111999

**Tandy** - (0500) 300666 for nearest dealer. (0990) 134935 for orders. Tandy sell a range of radios, mainly their own brands. They also sell by mail order.



	Price	FM	MW	LW	FM Stereo	Digital tuning	Total presets	Autoseek tuning	RDS	Loudspeaker	Tone control	FM telescopic aerial	Weight g (inc batts)	RLG star rating
<b>Tandy</b> GenExxa Funmate	£ 8	●	●							✓		✓	230	**
<b>Boots</b> RX 45	£ 10	●	●							✓		✓	270	***
<b>Boots</b> RX 45 Sport	£ 10	●	●							✓		✓	270	***
<b>Sony</b> ICF S10	£ 11	●	●							✓		✓	nk	***
<b>Alba</b> TR2501 (Sports)	£ 13	●	●		✓								nk	***
<b>AIWA</b> CR-AS15	£ 13	●	●							✓		✓	170	***
<b>AIWA</b> CR-A21	£ 15	●	●		✓						✓		140	***
<b>AIWA</b> CR-AS25	£ 20	●	●		✓					✓			150	***
<b>AIWA</b> CR-A55	£ 25	●	●		✓						✓		43	*****
<b>Roberts</b> R961	£ 25	●	●		✓						✓		48	*****
<b>Sony</b> SRF S80	£ 30	●	●		✓								57	not reviewed
<b>AIWA</b> CR-D3	£ 30	●	●		✓	✓	10	✓			✓		110	**
<b>Sony</b> SRF M32	£ 40	●	●		✓	✓	10						82	**
<b>Sony</b> SRF M606	£ 40	●	●		✓	✓	15	✓			✓		95	****
<b>Tandy</b> Sports Pocket Radio	£ 40	●	●		✓	✓	10	✓			✓		150	*
<b>AIWA</b> CR-DS15	£ 40	●	●		✓	✓	10	✓		✓	✓		110	**
<b>Roberts</b> PR1	£ 40	●	●		✓	✓	19						110	****
<b>Sony</b> SRF M806	£ 45	●	●		✓	✓	15	✓		✓	✓		100	****
<b>Sony</b> SRF M48 RDS	£ 60	●	●		✓	✓	15		✓				161	**

(All the above radios had a socket for either an earplug or earphones)

### The lack of long wave

One of the surprises while reviewing personal radios was the lack of any sets with long wave. There is certainly a demand - particularly from listeners wanting to pick up cricket coverage on long wave.

### Using the earphones lead as a FM aerial.

Many personal radios use the earphone lead as the FM aerial. Even if the radio has a speaker, you will need to ensure that the lead is extended to achieve the best possible reception.

### Detailed reviews start on page 34



# Analogue Portable radios

## main features



	Price	FM	MW	LW	SW	FM Stereo	Total presets	Tuning indicator	Earphone socket	Loudspeaker size (mm)	Tone control	Ac adaptor*	Weight g (inc batts)	RLG star rating
<b>Tandy</b> 2 Band Radio	£ 8	●	●							45			250	★★★
<b>Tandy</b> 3 Band Radio	£ 8	●	●	●					✓	45			240	★
<b>Morphy Richards</b> R170	£ 10	●	●	●				✓		75	✓		740	★★
<b>AIWA</b> FR-C10	£ 13	●	●					✓	✓	57			305	★★★★
<b>Tandy</b> Steepletone MBR95	£ 15	●	●		●				✓	50		o	270	★★
<b>Tandy</b> 2 band with stereo	£ 15	●	●					✓	✓	75		o	500	★★★★
<b>Boots</b> RX 100 Travel	£ 15	●	●	●	●				✓	50		o	305	★★★★
<b>Roberts</b> Mayfair 6150	£ 15	●	●	●				✓		100	✓	b	1100	★★★
<b>Roberts</b> Chelsea 6169	£ 15	●	●		●			✓	✓	50		o	270	★★
<b>Sony</b> ICF 390	£ 16	●	●					✓	✓	66			260	★★★
<b>Panasonic</b> RF-544	£ 20	●	●						✓	80		b	650	★★★★
<b>Morphy Richards</b> Green Machine	£ 20	●	●					✓	✓	55		o	410	★★
<b>Tandy</b> Optimus Shower R	£ 20	●	●							75			640	★★
<b>Roberts</b> Knightsbridge 6155	£ 20	●	●	●	●				✓	110	✓	b	1546	★★★
<b>Sony</b> ICF 790L	£ 25	●	●	●				✓	✓	102	✓	b	975	★★★
<b>Bush</b> R661	£ 25	●	●	●	●			✓	✓	100		b	1650	★★★
<b>Roberts</b> RP15	£ 25	●	●	●					✓	90	✓	b	1300	★★★
<b>Panasonic</b> RF-3500	£ 30	●	●	●	●			✓	✓	100	✓	b	1180	★★★★
<b>Tandy</b> Realistic 351	£ 30	●	●	●	●				✓	50		o	260	★★★★
<b>Roberts</b> R862	£ 30	●	●	●	●			✓	✓	40		o	260	★★★★
<b>Philips</b> AE 3350	£ 35	●	●	●	●			✓	✓	50		o	340	★★★★
<b>Roberts</b> RP16	£ 35	●	●	●			3		✓	90	✓	b	1300	★★★★
<b>Panasonic</b> RF-B11	£ 40	●	●	●	●	✓		✓	✓	80	✓	o	350	★★★★★
<b>Sony</b> ICF 990	£ 40	●	●	●	●		3	✓	✓	100	✓	b	1025	★★★★

		main features						Analogue Portable radios							
		Price	FM	MW	LW	SW	FM Stereo	Total presets	Tuning indicator	Earphone socket	Loudspeaker size (mm)	Tone control	Ac adaptor*	Weight g (inc batts)	RLG star rating
	<b>Tandy Optimus</b> Radio with TV	£ 40	●	●						✓	127	✓	b	3200	★★★★
	<b>Roberts</b> R871	£ 40	●	●	●	●			✓	✓	65		o	670	★★★★
	<b>Sony</b> ICF-SW 10	£ 45	●	●	●	●	✓		✓	✓	57		o	340	★★★
	<b>Baygen</b> Extended Play FPR 2	£ 60	●	●						✓	102		o	2400	★★★★
	<b>Sony</b> ICF-SW 12	£ 65	●	●		●			✓	✓	45			240	★★
	<b>Roberts</b> R760	£ 65	●	●	●					✓	55		p	1298	★★★
	<b>Baygen</b> Freeplay FPR 1	£ 70	●	●		●					90		o	2800	not reviewed
	<b>Roberts</b> R757	£ 80	●	●	●					✓	70	✓	p	1300	★★★★
	<b>Roberts</b> Revival 250	£ 100	●	●	●					✓	70	✓	p	1600	★★★
	<b>Roberts</b> RP28	£ 100	●	●	●			6		✓	100	✓	p	1870	★★
	<b>Roberts</b> Revival 550	£ 130	●	●	●					✓	100	✓	p	2000	★★★

(\* b - built-in, p - provided, o - optional extra)

There has always been a demand, for radios that have the capability to receive TV sound. This is the first such radio I have seen.

*(Clarke and Smith sell a TV sound receiver, with presets, for £112.)*

A number of applications immediately spring to mind.

If you are travelling and don't have access to a TV you can still listen.

People with hearing loss could also use this radio with an earplug to provide adequate volume while watching television without annoying others.

If you are blind or visually impaired you could find yourself paying for a TV licence, without the benefit of the pictures. A sound-only receiver does not require a licence!

### Tandy's Optimus with TV - review page 42



# Digital Portable radios

## main features



	Price	FM	MW	LW	SW	FM Stereo	Total presets	Keypad frequency entry	PLL	Autoseek tuning	Clock	Alarm	SSB (Single sideband)	Tuning indicator	Earphone socket	Loudspeaker size (mm)	Tone control	Ac adaptor*	Weight g (inc batts)	RLG star rating
<b>Tandy</b> Realistic Radio with Clock	£ 25	●	●	●			15		✓	✓	✓	✓			✓	55		o	420	**
<b>Bush</b> R670	£ 30	●	●	●	●		25		✓	✓	✓	✓			✓	60		o	441	**
<b>Boots</b> RX 200	£ 30	●	●	●	●	✓	20		✓	✓	✓	✓		✓	✓	60		o	510	***
<b>Sony</b> ICF M260	£ 40	●	●				15		✓		✓					66		o	260	***
<b>Sony</b> ICF M350L	£ 50	●	●	●			15		✓		✓	✓			✓	77	✓	o	430	***
<b>Roberts</b> R309	£ 50	●	●	●	●		20		✓	✓	✓	✓			✓	95	✓	b	1250	***
<b>Panasonic</b> RF-3700	£ 55	●	●	●			32			✓				✓	✓	100		b	1350	****
<b>Sony</b> ICF M760L	£ 55	●	●	●			28		✓		✓	✓			✓	120	✓	b	nk	****
<b>Sony</b> ICF M50 RDS L	£ 60	●	●	●			15		✓		✓	✓			✓	92	✓	b	880	****
<b>Philips</b> AE 3650	£ 70	●	●		●	✓	20		✓	✓	✓	✓		✓	✓	nk		o	320	**
<b>Sony</b> ICF-SW 30	£ 80	●	●		●	✓	15		✓	✓	✓	✓		✓	✓	66	✓	o	448	***
<b>Roberts</b> R802	£ 80	●	●		●	✓	20		✓	✓	✓	✓			✓	45		o	280	***
<b>Sony</b> ICF-SW 40	£ 100	●	●	●	●	✓	20		✓		✓				✓	66	✓	o	410	***
<b>Philips</b> AE 3750	£ 100	●	●	●	●	✓	40	✓	✓	✓	✓	✓		✓	✓	77		o	600	not reviewed
<b>Roberts</b> R809	£ 100	●	●	●	●	✓	54	✓	✓	✓	✓	✓		✓	✓	65	✓	o	720	*****
<b>Clarke &amp; Smith</b> Easiplay (+cass)	£ 115	●	●	●			15		✓	✓	✓				✓	100	✓	b	2100	*****
<b>Roberts</b> R617	£ 130	●	●	●	●	✓	45	✓	✓	✓	✓	✓			✓	45		p	390	***
<b>Roberts</b> R876	£ 130	●	●	●	●	✓	54	✓	✓	✓	✓	✓		✓	✓	45		p	390	*****
<b>Grundig</b> Yacht Boy 400	£ 130	●	●	●	●	✓	40	✓	✓	✓	✓	✓		✓	✓	75	✓	o	700	*****
<b>Tandy</b> Realistic DX 392	£ 150	●	●	●	●	✓	45	✓	✓	✓	✓	✓		✓	✓	75		o	2500	*****
<b>Roberts</b> R827	£ 160	●	●	●	●	✓	45	✓	✓	✓	✓	✓		✓	✓	120		p	2500	****
<b>Sony</b> ICF-SW 7600G	£ 180	●	●	●	●	✓	22	✓	✓	✓	✓	✓		✓	✓	77	✓	o	615	*****
<b>Grundig</b> Yacht Boy 500	£ 189	●	●	●	●	✓	40	✓	✓	✓	✓	✓		✓	✓	77	✓	p	670	***



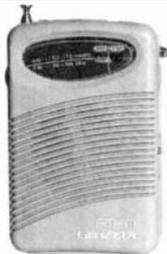
	Price	FM	MW	LW	SW	FM Stereo	Total presets	Keypad frequency entry	PLL	Autoseek tuning	Clock	Alarm	SSB (Single sideband)	Tuning indicator	Earphone socket	Loudspeaker size (mm)	Tone control	Ac adaptor*	Weight g (inc batts)	RLG star rating
<b>Sony</b> ICF-SW 100E	£ 200	●	●	●	●	✓	50	✓	✓	✓	✓	✓	✓	✓	✓	40	✓	o	220	★★★★
<b>Roberts</b> R861	£ 200	●	●	●	●	✓	307	✓	✓	✓	✓	✓	✓	✓	✓	65	✓	p	851	★★★★★
<b>Roberts</b> RC828	£ 220	●	●	●	●	✓	45	✓	✓	✓	✓	✓	✓	✓	✓	75		p	2500	★★★
<b>Sony</b> ICF-SW 55	£ 300	●	●	●	●	✓	125	✓	✓	✓	✓	✓	✓	✓	✓	77	✓	o	850	★★★
<b>Sony</b> ICF-SW 77	£ 400	●	●	●	●	✓	162	✓	✓	✓	✓	✓	✓	✓	✓	125	✓	o	1480	not reviewed
<b>Sony</b> ICF-SW 1000T	£ 430	●	●	●	●	✓	32	✓	✓	✓	✓	✓	✓	✓	✓	45	✓	o	560	★★★★

(\* b - built-in, p - provided, o - optional extra)

**Tandy - GenExxa Funmate ★★**

FM 88-108, MW 530-1710

£8



Made in the Philippines, this is a basic walkie-talkie style personal radio with FM and MW. The radio has basic controls and an aerial that simply pulls out. It comes with a budget earplug and a wrist strap. A rotary switch turns the radio on and controls the volume. The small rotary tuning dial is set within the radio and reading the display would be difficult for anyone with poor

eyesight. Reasonable FM sensitivity, but fairly difficult to tune to stations due to the small size and style of the tuning dial. Reasonable sound from the small speaker. Mono sound on left ear of earphones only. A very basic radio with performance related to the price.

**Boots - RX 45 ★★★**

FM 88-108, MW 530-1600

£10

One of the larger personal radios with FM and MW. Walkie-talkie style with an FM aerial that pulls up, but doesn't rotate. The large tuning and volume controls worked well. The slide-rule style tuning display was easier to read than Tandy's GenExxa. Batteries were included but no earphones. Limited sound from the small speaker. On earphones mono sound on left earpiece

only. Little to choose between this and the GenExxa. The dial was easier to use on this radio, but reception was marginally more sensitive on the GenExxa. The RX 45 Sport seems identical to this radio in all but colour.



**Boots - RX 45 Sport ★★★**

FM 88-108, MW 530-1600

£10



One of the larger personal radios with FM and MW. Walkie-talkie style with FM aerial that pulls up but doesn't rotate. The large tuning and volume controls worked well. The slide-rule style tuning display was easier to read than Tandy's GenExxa. Batteries were included but no earphones. Limited sound from the small speaker. On earphones mono sound on left earpiece only. Little to

choose between this and the GenExxa. The dial was easier to use on this radio, but reception was marginally more sensitive on the GenExxa. The RX 45 Sport seems identical to the RX 45!

**Sony - ICF 510 ★★**

FM 87.6-108, MW 531-1602

£11

This is an analogue walkie-talkie style personal radio. This is Sony's cheapest radio and it has very limited features. There is FM and medium wave, but no long wave. FM reception is unexciting and nowhere near as good as Sony's digital personal radios, SRF M606 and SRF M806. The small speaker gives fair sound for its small size. With earphones plugged in, you only get sound from

the left earphone. Cheap radio - fine for anyone unconcerned about sound quality and looking for reception of strong FM and MW stations only.



**Alba - TR2501 (Sports) ★★★**

FM 88-108, MW 530-1600

£13



This is a basic 'sports' style personal radio with FM stereo and MW. The radio has a grey and yellow casing with simple controls. Plugging the earphones into the radio turns it on. The grey text on the slide-rule tuning dial is not very easy to read. The radio includes a belt clip. Reception quality is sufficient for the stronger stations. FM stereo over earphones is good. Basic features - and

the cheapest personal radio with FM stereo that we found.

**AIWA - CR-AS15 ★★★**

FM 87.5-108, MW 530-1605

**£13**

Analogue FM / MW personal radio with speaker. This is a walkie-talkie style radio with FM telescopic aerial that swings out from the side of the radio. The antenna rotates in one plane - which is annoying if you want to lean radio flat on its back - and you are likely to do this as it's not particularly stable in any other orientation. The basic controls - volume, tuning and band

selector all work smoothly. The slide-rule tuning dial is clearly marked. An LED tuning indicator works well to show the position of stronger stations. FM reception was good for stronger stations. The loudspeaker volume was also good for such a small radio. Although mono on FM, sound over earphones is good and was to both ears when listening on earphones.



**AIWA - CR-A21 ★★★**

FM 87.5-108, MW 530-1605

**£15**



Analogue, FM stereo / MW personal radio without speaker. It is very similar to AIWA's AS25 but doesn't have the speaker. Like the AS25 it has AIWA's 'super bass' tone control. The simple controls were easy to use. Clearly labelled slide-rule tuning scale. A removable belt clip and earphones are included in the price. There is no tuning LED and reception (like most small

personals) is limited to the stronger stations. FM stereo reception on earphones is good and tone can be adjusted with 'super bass' on/off switch. Nice entry level analogue personal with FM stereo at a reasonable price.

**AIWA - CR-AS25 ★★★**

FM 88-108, MW 530-1605

**£20**

Analogue, stereo FM / MW personal radio with speaker. Like AIWA's CR-A21 there is no FM telescopic aerial, the earphone lead acting as an aerial. With all such radios it is worth keeping the earphones connected even when listening through the speaker. A removable belt clip and earphones are included in the price. There is no tuning LED and reception like most small

personal radios, is limited to the stronger stations. The small speaker has limited volume, but FM stereo reception on earphones is fine. A reasonable personal radio.



**AIWA - CR-A55 ★★★★★**

FM 87.5-108, MW 530-1605

**£25**



This is one of a number of tiny stereo FM / MW radios, that are little larger than a cigarette lighter. On a radio of this size the switches have to be small, and the on/off switch can be a little fiddly. The slide-rule tuning scale is small too, but not too difficult to read. The radio is surprisingly sensitive and reception quality is

excellent considering the size of the radio - it puts many larger radios to shame. Listening is by earphones, which are provided - they also double-up as the FM aerial. The sound quality is very good with FM stereo and enhanced bass tone control. Just about the ultimate in miniaturisation, and one of my favourite personal radios.

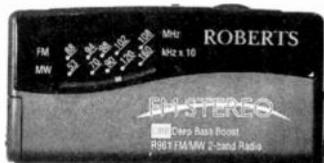
**Roberts - R961 ★★★★★**

FM 87.5-108, MW 530-1710

**£25**

Tiny personal radio with MW and FM stereo. This radio is one of a number of radios including AIWA's CR-A55 which are little larger than a cigarette lighter. Like similar radios, the tuning dial is small but sufficient for finding your way round. Listening is by earphones only and the R961's sound quality is good, with FM stereo and a bass boost. 'In-ear' earphones are included. Reception

is good for the size of radio. The radio needs one AAA battery and Roberts estimate that it will provide about 20 hours of use. Like AIWA's CR-A55, a radio that takes up little space, and offers good reception for strong stations.



## Sony - SRF S80 Not reviewed

FM 87.6-108, MW 530-1605

£30



A very small personal radio, with a similar design to AIWA's CR-A55 and the Roberts R961. Like the above radios it also has bass enhancement (tone control). It also has a Local/DX switch to adjust the radio's sensitivity to varying signal strength conditions. Not reviewed.

## AIWA - CR-D3 ★★

FM 87.5-108, MW 531-1710

£30

AIWA's CR-D3 is a digital, FM stereo / MW radio without speaker. It has a clear layout with easy-to-read LCD frequency display. There are 10 presets - 5 FM and 5 MW, they were simple to set. Although there is no tuning indicator, auto-seek tuning worked reasonably well to find the stronger stations. Earphones are supplied. Tone can be adjusted with a 'super bass'

on/off switch. The main drawback to this radio is considerable hiss on earphones on FM and AM. This was also noted on AIWA's other digital personal radio - CR-D515.



## Sony - SRF M32 ★★

FM 87.5-108, MW 531-1602

£40



Digital personal radio with FM and MW and 10 presets. Presets are structured 5 FM and 5 MW. The presets are operated by 5 one-touch buttons. They were a little tricky to set-up, but once set, they were easy to use. Part of the problem in setting the presets and finding stations, was that the radio scans very slowly through the bands. There is a local/DX switch, but we

found reception was always better with this set to DX. The clock-display shows when the radio is turned off. The radio has a belt clip and earphones are supplied. The key protect system (or travel lock) works to prevent settings from being accidentally knocked. FM reception quality was fine for the stronger stations, with FM stereo on earphones.

## Sony - SRF M606 ★★★★★

FM 87.5-108, MW 531-1602

£40

Digital personal radio with 15 presets. This is one of two Sonys in this style. The M606 is earphones only. The SRF 806 is very similar, but also has a small loudspeaker. Both radios have a solid well-built feel. There are 15 presets, 10 for FM and 5 on MW. FM reception is fine for strong stations, but like most personal radios using their earphones lead as an aerial, not much good for

searching out weak ones. Raising and extending the earphones lead improves reception. Good stereo sound on earphones with 'mega bass' tone control. A good quality digital personal radio.



## Tandy - Sports Pocket Radio ★

FM 87.5-108, MW 531-1602

£40



This is a yellow 'sports' style digital PLL personal radio with FM and MW. The radio comes with a belt clip. However the radio has no speaker and is annoyingly sold without earphones. A set of earphones will add between £4 and £10 to the cost. Before you buy, check that the FM stereo switch works, it failed on the model I tested. There is no keylock system to prevent settings

being accidentally knocked while the radio is in use. The radio uses the earphones cable as the FM aerial so reception really limited to stronger stations. Reasonable sound with extra bass setting. Lacking in features and overpriced when you add in the cost of buying earphones.

Digital, FM stereo / MW personal radio with speaker. Very similar to AIWA's CR-D3 but with the addition of a speaker. Clear layout, with easy-to-read LCD frequency display. 10 presets - 5 x FM and 5 x MW simple to set. Although there is no tuning indicator, auto-seek tuning worked reasonably well to find the stronger stations. Earphones are supplied and need to be plugged in

even when listening through loudspeaker as like most personal radios, they double-up as the FM aerial. Tone can be adjusted with 'super bass' on/off switch. The main drawback to this radio, as with AIWA's CR-D3, is considerable hiss on earphones on FM and AM. Check your model for this before you buy.



2 band, FM stereo / MW digital PLL personal radio. A neat looking radio with a clear display. The radio is relatively straightforward to use. The 19 presets once set-up are accessed by scrolling through the list and finding the one you want - although it is annoying if you overshoot, as you can only scroll in one direction. The auto seek tuning works quickly and well to find the

stronger stations. A key lock feature prevents settings from being knocked and changed while the radio is in use. Reception quality, and stereo sound over earphones are both good. The radio comes with a belt clip and earphones.

This is a digital personal radio with all the features of the SRF M606, plus a loudspeaker. However you still need to use the earphones as they function as the radio's FM aerial. 15 presets allow you to store 10 FM and 5 medium wave frequencies. FM reception fine for strong stations but the limits of using the earphones cable make weak stations more difficult to find. For its

small size, the loudspeaker gave very good sound. Like the 606 the radio had a 'mega bass' switch offering limited tone control. Stereo sound over earphones was good.



Fairly large personal radio, with RDS features that include station name, traffic announcement, alternative frequency search and clock. The radio has 15 presets, 10 FM and 5 MW. Small buttons on the side of the radio control scanning up and down the bands. There is no tone control. Listening is on earphones only, with FM stereo. The earphone cord doubles up as the FM

aerial. It is important to make sure the lead is extended or reception will suffer. This was particularly important on the M48 RDS as FM reception sensitivity was poor, and not as good as Sony's SRF M606 and M806. RDS station name worked on stronger FM stations only. I found the RDS features of limited use, the radio was bulky and at £60, was expensive for a personal radio.

**Tandy - 2 Band Pocket Radio ★★★**

FM 88-108, MW 540-1600

**£8**

This is a small FM/MW analogue portable that could almost squeeze into the personal range. The catalogue number is 12-9462. It is a simple radio with no frills and only the basic controls. The slide-rule tuning scale is clear and easy to read. The aerial only pivots in one plane. The stiff battery compartment lid would cause problems for anyone with weak fingers. The radio

had good FM sensitivity although the small tuning scale made finding stations a little difficult. The loudspeaker gave good sound for a radio of this size. A reasonable radio for the price.

**Tandy - 3 Band Pocket Radio ★**

FM 88-108, LW 150-260, MW 530-1600

**£8**

Very basic analogue portable/personal sized radio. The radio has 3 bands, FM, MW and LW. It has basic controls and an earplug socket. The radio has a short (24 cm) telescopic FM aerial. My sample had a poor quality volume control switch which did not work smoothly. The slide-rule tuning controls were stiff and difficult to read under strong light, and after a short time the plastic face of

the display fell into the radio. Reception was adequate for strong stations. Speaker sound was reasonable. The sound quality through the earplug provided was very poor with much crackling and interference at anything over low volume, although this was better with a pair of earphones. Mono sound left ear only. This radio is only worth considering for its long wave.

**Morphy Richards - R170 ★★★**

FM 88-108, LW 150-260, MW 530-1600

**£10**

Basic analogue portable radio with FM, MW and LW. The radio has a green plastic casing with a no-frills design. The slide-rule tuner moves painfully slowly across the dial. There are no earphone or mains sockets. FM reception has limited sensitivity. We found the tuning LED to be of little use, it stayed on while

tuning across the entire FM band. There is good sound volume with a rotary tone control switch. We didn't feel that this radio was a particularly good buy. It was too big and basic to be useful when travelling and the lack of mains capability would make it expensive to run if used regularly in the home.

**AIWA - FR-C10 ★★★★★**

FM 87.5-108, MW 530-1605

**£13**

Small portable with FM and MW. Neat looking radio with basic features and no frills. The radio does not receive long wave. The controls are of reasonable size and easy to use. A useful hinging stand enables the radio to lean-back in a stable position. The slide-rule tuning display operates smoothly and is clear to read, but like many analogue sets the calibration is a little inaccurate. Although

the radio has a short (35cm) aerial it was reasonably sensitive on FM. However the tuning LED is too sensitive for strong reception areas, and stayed on most of the time. Speaker sound quality is reasonable for the size of radio. Mono sound on both ears with earphones. Good choice if you are on a limited budget, and want a basic small portable.

**Tandy - Steepletone MBR95 ★★**

FM 87.5-108, MW 530-1600, SW 7 Bands

**£15**

Very compact, budget world band receiver. Apart from a few cosmetic differences, this radio is identical to the Roberts 'Chelsea', and sells for the same price. The lack of long wave is a disadvantage. The small text on the slide-rule display was difficult to read. The basic telescopic aerial pivots in only one plane. There is no lean-back stand. The loudspeaker sounds

fine for radio of this small size. Good mono sound to both ears using a set of in-ear style earphones (not included). FM reception sufficient for stronger stations but very limited for weaker ones. The cheapest set we looked at with short wave, but it had unexciting performance.

**Tandy - 2 band portable with stereo ★★★★★**

FM 88-108, MW 530-1710

**£15**

Analogue FM/MW portable with twin speakers and stereo. Although there are plenty of large radio cassettes offering stereo, this is one of the few portable radios we've seen offering FM stereo on twin speakers. Simple and clear analogue tuning scale, with FM stereo tuning indicator. The radio can be run from the mains with an optional ac adaptor. Reception was fine for the

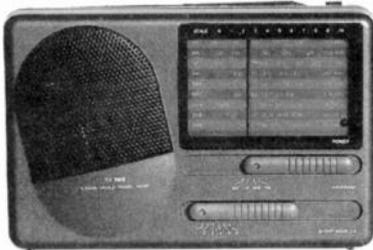
stronger stations. Sound quality through the two 75 mm speakers was excellent. The stereo quality was good on earphones too. A balance control allows adjustment of output between the speakers. The radio is equipped with a fabric carrying strap. A good buy if you want stereo and volume from your portable.



analogue portables

**Boots - RX 100 Travel ★★★★★**

FM 87.5-108, MW 530-1600, LW 150-280, SW 6 bands

**£15**

Small 4 band portable, and at £15 one of the cheapest with short wave. Batteries and earphone are included. There is no tuning indicator LED, just a red LED that shows when the set is turned on. The set has a socket for an optional ac adaptor. The very small text on the tuning scale is difficult to read and the aerial

rotates in only one plane. The tuning knob also looks a little fragile. Good reception. The small speaker has a nice crisp sound - even better on earphones. This radio feels better built, and has better performance than the Roberts Chelsea, and Tandy's MBR 95, and at the same price is also better value with batteries and earphones included in the price.

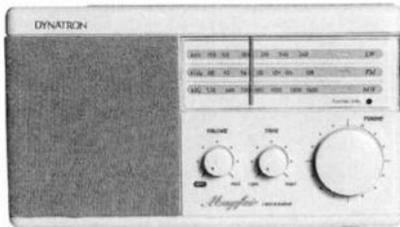
**Roberts - Mayfair 6150 ★★★★★**

FM 88-108, MW 530-1600, LW 150-260

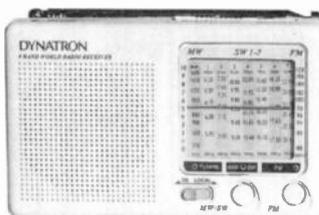
**£15**

The Roberts Mayfair is an analogue portable radio with built-in mains adaptor. It is the same size and is very similar in design to Morphy Richard's R170. The Mayfair however has a white casing like other radios in the Roberts Dynatron range. I was not keen on the colour, which can quickly mark and show grubby fingerprints. The Mayfair has a slide-rule tuning scale, and rotary

tuning, volume and tone controls. A tuning level LED gives a good indication when you find a strong station. Reception quality is sufficient for stronger stations. Sound quality is good for the size of radio, but there is no earphone socket. Reasonable performance and a useful built-in ac adaptor.

**Roberts - Chelsea 6169 ★★★★★**

FM 88-108, MW 525-1620, SW 7 Bands

**£15**

Small, white, world band portable, without long wave. The Chelsea is one of the Roberts Dynatron range. This model is almost identical to the Steeplestone MBR 95, sold at the same price by Tandy. The radio we tested had a circular hole in the rear of the casing (where a printed patch was obviously missing) large enough to enable a finger to short circuit the radios circuit board.

Batteries were tricky to remove from the set. Station selection is difficult for weaker stations due to the limited travel of the small slide-rule tuning scale. FM reception was relatively insensitive, and not a patch on the Roberts R862. The small speaker puts out limited sound. Mono sound on earphones. Budget set with limited features, and mediocre performance.

**Sony - ICF 390 ★★★★★**

FM 87.6-107.5, MW 531-1602

**£16**

Basic analogue portable, with FM and MW but no long wave. This radio is very similar in size and feel to AIWA's FRC 10. A rotary wheel provided volume and on/off control. The radio has an uncluttered and clearly labelled tuning dial. FM reception was good for the radio's price, and considerably more sensitive than many of Sony's personal radios. Sound quality was crisp - good

for the size of radio. There was no tone control. A good basic radio.



**Panasonic - RF-544 ★★★★★**

FM 87.5-108, MW 520-1610

**£20**

Basic analogue portable with FM and MW and a built-in ac adaptor. There is no long wave coverage. A solid radio, with large tuning controls and a large tuning dial pointer. A carrying handle hinges behind the radio. The FM telescopic aerial only rotates in one

plane. Reasonable FM sensitivity, fine for stronger stations. Good sound volume for the size of radio although it would have benefited from a tone control. On earphones, mono sound from left ear only. Bottom line - basic, well-built radio with limited features and reasonably sized speaker. A good value set, and one of the cheapest with a built-in ac adaptor.

**Morphy Richards - Green Machine R166 ★★**

FM 88-108, MW 535-1610

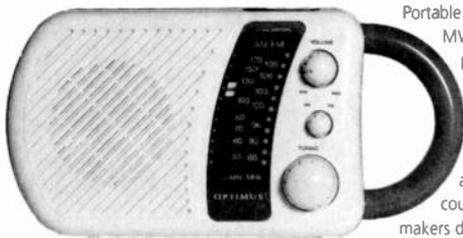
**£20**

Small solar and dynamo powered radio with FM and MW. The radio's internal Ni-Cad battery can be charged by solar cells on the radio's top; turning a handle to operate a dynamo; inserting batteries into the radio, or using an ac adaptor (not supplied). You can listen to the radio while it is solar charging, although this will slow down the speed of charging. The radio requires strong

sunlight. Turning the dynamo is noisy - so you can't listen at the same time. 2 minutes cranking gives about 6 minutes play. The handle looks as if it could easily break. The limited travel of the tuning wheel and poor sensitivity means that the radio is only really suitable for listening to strong stations. Interesting power supplies, but not a very practical radio for UK use.

**Tandy - Optimus Shower Radio ★★**

FM 88-108, MW 530-1710

**£20**

Portable, water resistant FM and MW radio. The radio is promoted as one that could be used in a shower, although there seems no reason why it couldn't be used anywhere where a radio could be splashed. The makers do however point out

that it is water-resistant, NOT waterproof. Disappointing reception and lack of an external telescopic FM aerial, make this radio only suitable for listening to stronger stations. It automatically switches off after an hour. A good idea to waterproof a radio, but the radio itself needs to be better.

**Roberts - Knightsbridge 6155 ★★**

FM 88-108, MW 530-1600, LW 150-260, SW 5900-18000

**£20**

Large white analogue radio with twin speakers and a built-in mains adaptor. This is the largest radio in the Roberts Dynatron range. There is a slide-rule tuning scale, large tuning wheel and bass and treble controls. A cosmetic line of 5 LEDs on the left side of the tuning scale give an indication of volume level, not signal strength. Reception quality is sufficient for strong stations. The sound

quality is good and the radio can be played at a fairly loud volume before distortion sets-in. With earphones, the radio gives mono output to the left earpiece only.

**Sony - ICF 790L ★★★**

FM 87.6-107.5, LW 153-255, MW 5341-1602

**£25**

This is a 3 band radio with a built-in mains adaptor. It is a medium size portable about the same size as the Sony M50 RDS. It has a simple slide-rule display, with rotary tuning, volume and tone controls on the side

of the set. A retractable carrying handle, hinges back when the set is in use. The LED tuning indicator works well to show the position of stronger stations and the set itself shows average FM sensitivity. Sound volume is good from the large speaker. Mono sound only from the earphone socket.

**Bush - R661 ★★★**

FM 88-108, LW 150-280, MW 540-1600, SW 7 bands

£25

Large portable radio with FM, MW, LW and SW and a built-in ac adaptor. This radio is sold in Tandy stores. Although it is a budget set with simple controls, there is a nice feel to the analogue tuning dial and clear frequency labelling. There are no presets - despite Tandy's brochure description! As the radio's instructions rightly point out, the tuning LED is more suited to MW and

LW use, than to FM. In the UK's relatively crowded FM band, the LED stays on all the time. FM reception is reasonably sensitive with good reception for strong stations. Fairly loud volume from the large speaker with mono sound to both ears on earphones.



**Roberts - RP15 ★★★**

FM 87.5-108, MW 525-1605, LW 147-284

£25



3 band analogue portable with a built-in ac adaptor. This is a solid-looking radio, with large easy to use controls. The slide-rule tuning display is clear to read and has the approximate positions

of some national stations ready marked. Reception is fine for the stronger stations. Loudspeaker volume is very good and there is a hi/lo tone switch. Mono reception on earphones. The RP15 is a good basic household radio.

**Panasonic - RF-3500 ★★★★★**

FM 87.5-108, LW 144-288, MW 520-1611, SW 7 bands

£30

Medium sized analogue portable radio with FM, MW, LW and SW and a built-in ac adaptor. The radio is confusingly also badged with the name GX500. It is a well-built radio with large rotary tuning and volume controls - easy to use even if you have weak or stiff hands. The clear slide-rule tuning scale has reasonably sized lettering. The LED tuning indicator was little use on FM, it

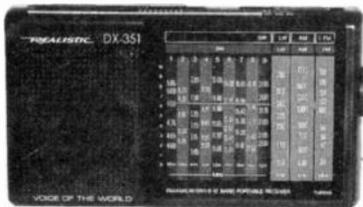
stayed lit all the time. Better than average FM reception - good for stronger stations. Earphone reception was mono, left ear only. The 100 mm speaker gives good sound quality - sufficient to cope with a noisy room. There is a high/low tone switch. The bottom line - a good value household radio.



**Tandy - Realistic 351 ★★★**

FM 88-108, LW 150-281, MW 530-1710, SW 9 Bands.

£30



Very compact world band analogue receiver. This radio is also sold by Roberts as the R862. Simple and easy to use controls. The slide rule tuning dial works well. Generous 600mm telescopic aerial (for the size of set) rotates in only one plane. Stability would have benefited from a lean-back stand. FM reception sensitivity was about the best that

we found for this size and type of radio. Useful LED tuning indicator. However reception is still not as good as a top quality digital PLL receiver. Speaker and earphone sound quality very good its size, although FM reception is mono only. A useful world band portable, its compact size make it ideal for use when travelling.

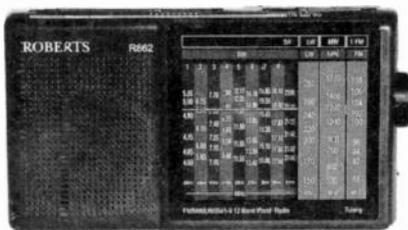
**Roberts - R862 ★★★★★**

FM 87.5-108, LW 150-28, MW 530-1710, SW 9 Bands

£30

Very compact world band analogue receiver. This radio is also sold by Tandy as the Realistic DX-351. Simple and easy to use controls. slide-rule tuning dial works well. The FM telescopic aerial rotates in only one plane. Stability would have benefited from a lean-back stand. FM reception sensitivity was about the best that we found for this size and type of radio. Useful LED

tuning indicator. However reception is still not as good as a top quality digital PLL receiver. Speaker and earphone sound quality very good for its size, although FM reception is mono only. Roberts basic entry level world band portable, and one which we liked a lot.



**Philips - AE 3350 ★★★★★**

FM 87.5-108, LW 149-283, MW 527-1606, SW 9 bands

**£35**



The AE 3350 is an analogue world band receiver with - FM, MW, LW and 9 SW bands. It has a good layout with large rotary tuning and volume controls that are easy to use. I didn't like the 'play' that was in the tuning knob on the model I tested. A sliding on/off switch acts as travel lock. A useful lean-back stand enables stable

operation. A carrying pouch was included. The radio showed sensitive, and better than average FM reception. There was good sound from the small speaker, but no FM stereo on headphones.

**Roberts - RP16 ★★★★★**

FM 87.5-108, MW 525-1605, LW 147-284

**£35**

The RP 16 is a 3 band analogue radio with a built-in ac adaptor and presets. This is a solid looking radio, with large easy to use controls. The slide-rule tuning display is clear and easy to read. The 3 FM presets are set-up using 3 associated tuning knobs on the back of the set. They are a little fiddly to set-up. However once they are set-up, the presets are straightforward to use. Good

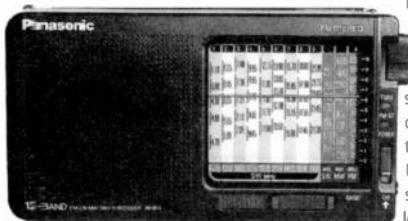
reception for the stronger stations. Loudspeaker volume is very good and there is hi/lo tone switch. Mono reception on earphones. At £35 one of the cheapest analogue portables with presets.



**Panasonic - RF-B11 ★★★★★**

FM 87.5-108, LW 149-285, MW 520-1610, SW 9 Bands

**£40**



The RF-B11 is a compact and lightweight analogue world band portable with FM stereo. The controls have a smooth action and are easy to operate. Smooth operating tuning dial with fair sized text. Useful back stand. The on/off slide-switch operates as travel lock. Stereo on/off switch. The

large LED tuning indicator worked well on FM. A similar sized LED indicated when tuned to a stereo station. Very good FM sensitivity and selectivity (although not as good as a quality digital world band receiver). Large speaker for the size of radio gives good sound quality. Better still - stereo through earphones. One of my favourite compact analogue portables.

**Sony - ICF 990 ★★★★★**

FM 87.6-107.5, LW 153-255, MW 531-1602, SW 5950-18000

**£40**

Large analogue portable with built-in mains, 3 FM presets and short wave. Solidly built radio with a nice feel to the large controls and clear labelling on the tuning dial. The 3 FM presets are set by 3 separate tuning knobs - neatly hidden away on the back of the set. Operation of presets is by buttons on the top of the set.

FM reception is good, with the radio

pulling-in some weaker stations. The LED tuning indicator works well. Good sound volume from the large 100 mm diameter speaker. One of our top choices if you are looking for a large analogue portable.



**Tandy - Optimus Radio with TV ★★★★★**

FM 88-108, MW 530-1710 + UHF 1-3

**£40**



A very large portable radio with FM, MW and TV frequencies, but no long wave. There are rotary treble, bass and volume controls. TV channels are found on the UHF bands. Tuning to a TV channel is simply matter of selecting the UHF band for the required channel and tuning with the slide-rule style display. If you are switching from FM to UHF television

reception you need to use a screwdriver to adjust the antenna connectors on the back of the set. The same primitive terminals let you connect an external AM, FM, or UHF aerial. With the basic set-up we easily tuned to all five TV channels. FM reception quality is good. Excellent sound volume for a portable radio from the huge speaker. Recommended for its unique TV coverage and good sound volume.

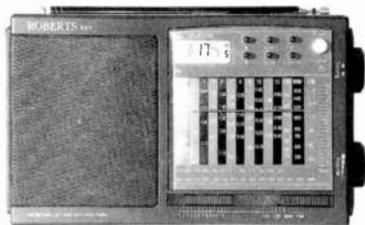
**Roberts - R871 ★★★**

FM 87.5-108, LW 147-284, MW 525-1620, SW 15 bands

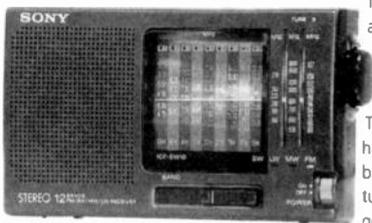
**£40**

The R871 is an FM, MW, LW and SW analogue receiver with a digital clock. The clock includes useful alarm features, and the same LCD display incorporates a calendar. The large controls are clearly laid out. The tuning scale is large and easy to read. We did notice on our model that the calibration was a little out; 102.9 appearing at about 104 on the dial. However this is not unusual, as

many analogue tuning scales are relatively inaccurate. A lean-back stand allows stable operation of the radio. A large backlit power button shows that the radio is turned on. Reception quality was good for all the stronger stations. There was good sound quality and volume from the loudspeaker.

**Sony - ICF-SW 10 ★★★**

FM 87.6-108, LW 153-279, MW 530-1602, SW 4750-21975

**£45**

The ICF-SW 10 is a compact analogue world band receiver. Although it offers SW coverage, there is no local/DX switch or socket for an external AM aerial. The tuning knob felt too light and had some backlash. It has a lean-back stand. The radio has a basic LED tuning indicator. FM reception is good for stronger stations, but not

particularly good for weaker ones. SW reception is fine for stronger stations. The average sound quality from the speaker could have been improved by a tone control. Although Sony's brochure indicated that the radio has FM stereo through earphones, the sound quality seemed 'flat' when we tested the radio.

**Baygen - Freeplay FPR 2 ★★★**

FM 88-108, MW 500-1700

**£60**

The original Baygen Freeplay included short wave. This model is smaller, has no short wave, has a larger loudspeaker and offers extended play (up to an hour from a 30 second wind). The lower the volume level, the slower the spring unwinds - so extending the playing time. The radio operates from power generated by a wind-up generator. There is a slight sound while the

generator unwinds, but this is only noticeable when the radio's volume is low. Reception is fine for stronger stations. Volume from the 102 mm speaker is very good. There is a mono earphone socket. Like its larger cousin, the Baygen Freeplay FPR1, the main attraction of this radio is its unique wind-up power generator.

**Sony - ICF-SW 12 ★★**

FM 87.6-108, MW 530-1605, SW 4750-21750

**£65**

Small cigarette packet-sized world band radio with a hinging lid. Don't confuse this radio with the digital Sony SW 100E, which looks similar, is also cigarette-packet sized, but costs three times the price! Unlike the SW 100E this set is analogue, and lacks long wave coverage. It has no FM stereo and no tone control. The clock shows on a separate liquid crystal display and has

an alarm. Average FM reception with a tuning indicator that works well to show stronger stations. There is reasonable sound volume for the size of loudspeaker. Mono sound on earphones.

**Roberts - R760 ★★★**

FM 87.5-108, MW 552-1620, LW 150-281

**£65**

The R760 is a 3 band analogue radio with FM, MW, LW. This is one of Roberts' Classic range. It has an all-wood front. The rotary tuning and volume controls, and push button band selectors are all on the top of the radio. Reception quality is good and the set easily picks up the stronger stations. Sound quality from the speaker is good, with mono sound on earphones.



**Baygen - Freeplay FPR 1** Not reviewed FM 88-108, MW 530-1600, SW 3300-12000 (Model A) £70



The original wind-up radio, with FM, MW and SW. Made in South Africa this is a large radio, designed for use in the developing world. There are 2 models with, differing short wave coverage. Model B's short wave covers 5800-18000. Power is generated by a wind-up generator. 30 seconds of winding gives about 30 minutes of play. On the early models there was some noise from

the generator as the spring unwinds but this is no longer really noticeable. Reception is fairly good - fine for the intended market and adequate for listening to the stronger stations in the UK. Volume from the 90mm speaker is good. The Freeplay FPR 2, or Baygen 'Extended Play' is a smaller, longer playing version of this radio - but without short wave.

**Roberts - R757** ★★★★★ FM 87.5-108, MW 552-1620, LW 150-281 £80

Traditionally styled portable with hardwood ends. One of Roberts' 'Classic' range. The radio picks-up FM, MW and LW with an ac adaptor included. Stable radio, with all controls clearly labelled on the top of the radio. The rotary tuning and volume controls are smooth to operate, with a clearly labelled slide-rule tuning dial. The main national stations were marked in their

approximate position on the dial. Push buttons are used to select bands and tone options. Good FM sensitivity and selectivity, we even picked up a few weaker stations. Good sound from the speaker, with mono FM reception on earphones. For £80 we felt that the radio had limited features (and no presets), but if you are prepared to pay for the styling, the set is a good buy.



**Roberts - Revival 250** ★★★ FM 87.5-108, MW 552-1620, LW 150-281 £100



1950's styled portable with wood frame and leather finish and a choice of colours - blue, red or green. Underneath the styling, the features and performance are almost identical to Roberts R757. Battery or mains operation with ac adaptor included. Stable design, with all controls clearly labelled on the top of the radio. Smooth to operate, and clearly labelled slide-rule

tuning dial. The main national stations were marked in their approximate position on the dial. Push-buttons select bands and tone options. Rotary tuning and volume knobs. Good FM reception and good sound from the speaker; with mono FM reception on earphones. Even more expensive than the Roberts R757, but again, if you are prepared to pay for the styling, the set could be a good buy.

**Roberts - RP28** ★★ FM 87.5-108, MW 552-1620, LW 150-281 £100

Large portable, traditionally styled with hardwood ends. 6 push-button presets - (4 FM, 1 MW, 1 LW). We found the presets tricky to set up. Each preset button has an associated tuning knob that acts as a mini frequency dial. This is used to find the frequency you want to preset. It helps to have another radio playing nearby so that when you find a station you can check that it is the right

one. Reception is reasonable, but limited tuning features make weaker stations difficult to find. Reception is not as good as the Roberts R757. The loudspeaker's sound volume is very good. Sound only from the left earphone. Not the easiest presets to set-up, but once they are programmed, the radio is easy to use.



**Roberts - Revival 550** ★★★ FM 87.5-108, MW 552-1620, LW 150-281 £130



Large analogue 1950's style portable, with a wood frame and leather finish, and a choice of colours - blue, red or green. This is a larger version of the Revival 250. Battery or mains operation with an ac adaptor included. This is a stable radio, with all controls on the top of the radio. Controls are smooth to operate, with a clearly labelled slide-rule tuning dial. The main national stations

were marked in their approximate position on the dial. Push buttons to select bands and tone options. Rotary tuning and volume knobs. Good FM reception. Very good volume from the speaker, with mono FM reception on earphones. If you are prepared to pay for the styling, the set could be a good buy.

**Tandy - Realistic Radio with Clock ★★**

FM 87.5-108, LW 146-281, MW 531-1602

**£25**

The Realistic Radio with Clock is a PLL portable with FM, MW, LW and a clock with alarm features. The Tandy catalogue number is 12-9150. The 15 presets (5 FM, 5 MW and 5 LW) are straightforward to set. The radio comes with simple but effective plastic rectangle that 'plugs' into the back of the radio and allows it to recline. The auto seek tuning worked to pick out

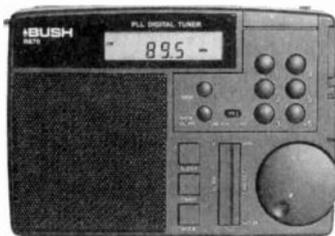
strong stations. FM reception quality is poor for a PLL digital radio; with only limited sensitivity and selectivity. The small speaker has a tinny sound - with mono reproduction on earphones. A very cheap digital portable, with very limited performance.



digital portables

**Bush - R670 ★★**

FM 87.5-108, LW 146-281, MW 531-1602, SW 5950-15600

**£30**

Digital PLL portable radio with FM, MW, LW and SW. This radio is available in Tandy stores. A clear LCD display shows the frequency when the radio is turned on, and clock time when the radio is off. A simple plastic rectangle plugs into the back of the radio and allows it to recline. Didn't like the feel of the on/off, band and volume controls. 5 MW, LW and SW presets and 10 on FM. Only

average FM performance with limited selectivity. Good sound from the speaker and on earphones, although no stereo. Compared to the Realistic Radio with Clock, the sound quality is better, and reception performance is about the same.

**Boots - RX 200 ★★★**

FM 87.5-108, MW 531-1602, LW 146-281, SW 5950-15600

**£30**

A fairly compact digital portable with short wave. Straightforward layout, although the small lettering alongside the buttons can be difficult to read. Awful feel to the volume sliding control. The set is not particularly stable, and would have benefited from a back stand. The clear LCD display, shows either the frequency or clock time. The 20 presets, 5 for each band were very

simple to set-up and use. Auto seek tuning works well to pick out stronger stations. Reception quality was fine for stronger stations. Reasonable sound quality from the loudspeaker. We noticed a slight hiss on FM stereo on earphones. It was good to find that batteries and earphones were included.

**Sony - ICF M260 ★★★**

FM 87.5-109, MW 533-1602

**£40**

Sony's cheapest digital portable radio. This is a compact portable with 15 presets, 10 FM, 5 MW. The radio doesn't have long wave. The radio uses a 'Jog' dial to tune up and down the bands - this didn't seem as precise and easy to control as a tuning knob or up/down tuning buttons. The key

protection system, found on many digital Sonys, works to prevent settings being accidentally changed, or as a travel lock to prevent the radio being accidentally turned on. FM reception was fine for stronger stations. There was no tuning indicator. Reasonable sound from the speaker and mono sound in only the left ear with earphones.

**Sony - ICF M350L ★★★**

FM 87.6-107.5, LW 153-279, MW 534-1602

**£50**

Digital portable radio with 15 presets. Although this radio had a solid well-built feel and had clock and alarm features, it lacked some basic features that make life easier for the radio listener. There was no tone control, no tuning indicator, and no auto seek feature to help hunt-out the stronger stations. There were 5 presets on each band. FM reception was nothing to

write home about, good for strong stations, but with a fair amount of interference coming through on the weaker ones. Loudspeaker sound quality was good. Reception on earphones was mono, left ear only.



**Roberts - R309 ★★★**

FM 87.5-108, MW 531-1602, LW 153-281, SW 5900-15500

**£50**

4 band, PLL digital radio with 5 presets for each band. This is a fairly large portable with a built-in ac adaptor. The controls are large and straightforward to use. In particular the presets were a very useful feature, and were simple

to set-up. The radio has a built-in digital clock, with alarm features. The auto-seek tuning feature worked well, and reception was good for all the stronger stations. There was good sound volume and quality from the large speaker with tone control.

**Panasonic - RF-3700 ★★★★★**

FM 87.5-108, LW 144-288, MW 522-1611

**£55**

Digital portable radio with 32 presets and built-in ac adaptor. Although Panasonic call this model the RF-3700 it is somewhat confusingly also badged with GX700 in large letters. The radio has 2 FM bands, MW and LW. The benefit of 2 FM bands is that it gives an extra 8 presets for FM stations. Manual memory setting works well, but the auto memory feature didn't work

particularly well - it stored too many weak stations - otherwise a well designed radio. Clear LCD frequency display, easy to operate controls - tuning knob, presets and up/down tuning buttons. FM sensitivity better than average for this type of set. Good sound volume from the 100mm speaker with 2 position tone control. Mono sound on earphones.

**Sony - ICF M760L ★★★★★**

FM 87.5-108, LW 153-279, MW 531-1602

**£55**

This is a large portable with 28 presets and a built-in ac adaptor. It is a relatively new addition to Sony's range that should sell well. There are 7 presets on each band, with 2 FM bands this gives a total of 14 FM presets. The large rotary tone and volume controls

are easy to use. Tuning is by a 'jog' style tuning knob, which is straightforward to use. There is no tuning indicator. FM reception was good. Sound quality and volume were good from the large loudspeaker. Reception on earphones was mono, left ear only.

**Sony - ICF M50 RDS L ★★★★★**

FM 87.5-108, LW 153-279, MW 532-1602

**£60**

A digital PLL RDS radio, with a built-in ac adaptor. If you're listening to an FM RDS station, the radio display gives a station name (eg 'BBC R4') and auto switching to EON-linked stations when traffic announcements occur. The clock can be automatically updated by RDS time signals. The radio has easy to operate controls and a clear LCD display. There are 15 presets, 5 allocated

to each of the bands, FM, MW and LW. They are simple to set and use. Reasonable FM and AM reception, with some hiss on MW. The loudspeaker sound volume is good. Mono, left ear reception only on earphones. A useful radio if you're travelling, where the RDS station name display can help identify new stations.

**Philips - AE 3650 ★★**

FM 87.5-108, MW 522-1710, SW 2300-26100

**£70**

Small digital PLL portable with FM, MW and 2 short wave bands. There is no long wave or tone control, and only a very basic tuning indicator. I didn't really like the feel of the up/down tuning keys mounted on the edge of the radio. A clock shows when the radio is turned off. A useful flap enables the set to lean-back. FM auto seek

tuning only locks onto stronger stations and scans slowly. There is an annoying lag as the speaker cuts out for about 1.5 seconds every time you press the tuning buttons. Reasonable reception quality. Sound quality fine for a radio of this size. Stereo sound on earphones was very clear without any hiss. The radio comes with a carrying pouch and earphones.

**Sony - ICF-SW 30 ★★★**

FM 76-108, MW 531-1710, SW 3700-21950

**£80**

This is a basic world band radio with presets, but lacking long wave. It didn't feel as solid as other Sony world band radios. It was straightforward to operate with good performance. There was a 2 setting tone control switch. The radio has 15 presets, 5 for each band. Surprisingly the radio doesn't have a socket for an ac adaptor. FM reception was generally good, although the small

LED tuning indicator was not much use. Speaker volume was reasonable, with good FM stereo reception on earphones.



digital portables

**Roberts - R802 ★★★**

FM 87.5-108, MW 522-1620, SW 2300-7300 and 9500-26100

**£80**

This is a small world band digital radio without long wave. It has 20 presets, 5 FM, 5 MW and 10 SW. An LCD display shows the frequency selected, as well the preset you have chosen. Auto seek works well, with an LED tuning indicator showing when you have found a strong station. There is no lean-back stand. A key lock button, prevents settings

from being changed accidentally or the radio being accidentally turned on. There is a clock with alarm and sleep timer. Short wave coverage is split into 2 chunks, and misses out some key frequencies, so check it doesn't miss out your favourite SW frequencies before you buy. The radio had good sound for its size, and gave FM stereo on earphones.

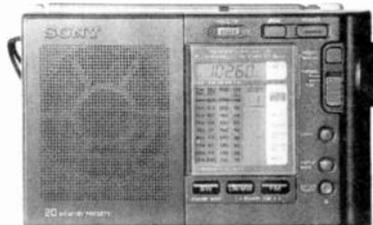
**Sony - ICF-SW 40 ★★★**

FM 76-108, LW 150-285, MW 530-1602, SW 3850-26100

**£100**

A digital radio designed to look like an analogue set - even down to a dial pointer consisting of a line on the liquid crystal display! The pointer gives a fairly rough position 'on the dial' but can be difficult to read in strong light. This is backed up by a digital display showing the frequency to the nearest 1kHz on SW. We liked that the 20 memories can be assigned to any wave band - not just

5 from each band. Once set-up, it is quick to scan through the presets. Good sound quality with a 2 setting tone control. Straightforward to use, with reasonable FM reception, although the 'mock' analogue dial seems a little pointless.

**Roberts - R809 ★★★★★**

FM 87.5-108, LW 150-519, MW 520-1710, SW 1711-29999

**£100**

Multi-band PPL radio with 45 presets, and one of the cheapest radios with keypad frequency entry. Clear layout, a nice feel to keys and easy to operate. Large and clear LCD frequency display. Tuning by tuning knob, up/down buttons and presets. 'Standby' or alarm function turns radio on at set time to either buzzer or radio. The only real complaints are that

the display can not be illuminated and that the indistinct 'moulded' lettering of the side switches is difficult to read. This unfortunately is a feature on a large number of both Roberts and Sony radios. Very good overall reception performance. Sound quality is very good, with FM stereo on earphones. Overall an excellent radio for general listening.

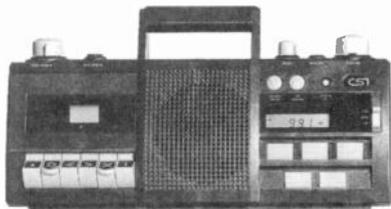
**Clarke and Smith - Easiplay ★★★★★**

FM 87.5-108, LW 146-281, MW 531-1602

**£115**

'Rugged-looking' digital radio with basic built-in cassette player/recorder and ac adaptor. Designed for people who have visual or physical difficulties in using normal radios. Up/down tuning buttons are accompanied by an audio tone which gets higher or lower depending on whether you are moving up or down the wave band. Press and briefly hold the buttons and the radio scans to the

next strong station. 15 presets, 5 on each band, operate via large yellow preset buttons labelled with raised dots. A clock shows when the radio is off. The speaker has good sound volume with a tone control. Well thought-out, and the best radio we have seen for anyone with a visual handicap. VAT can be reclaimed if you are registered disabled.



**Roberts - R617 ★★★**

FM 87.5-108, LW 153-513, MW 520-1710, SW 1715-29995

**£130**

Compact digital PLL world band radio with 45 presets. Although our picture says 'NEW', this radio is due to be superseded by the Roberts R76, which is very similar but boasts more features. Compact size with controls that are straightforward to use. The auto tuning system scans either the FM, MW or LW bands putting the 9 strongest signals into memory. Useful

feature if travelling, when you arrive at a new destination and want to quickly find the strongest stations. Good FM reception and good audio quality for its size. A good receiver, but given the choice, and both models at the same price, I would choose the R876 instead of this radio.

**Roberts - R876 ★★★★★**

FM 87.5-108, LW 153-513, MW 520-1710, SW 1711-29999

**£130**

Compact PLL digital world band receiver. A good-looking radio with a nice feel to the controls and with keypad frequency entry. This radio is replacing the R617. I liked the 'Auto-Tuning System' which quickly puts the strongest stations on FM, LW and MW into memory. 'Memory scan', scans through the memories stopping for several seconds at each one. Clock display can be switched on and off while the radio is on -

and displays when the radio is turned off. Simple LED tuning indicator. Good reception, with sensitive FM. Reasonable sound from the small speaker. Excellent sound through earphones. The radio comes with an auto switching ac adaptor, earphones, SW washing line type aerial and carrying pouch. My favourite compact digital portable radio.

**Grundig - Yacht Boy 400 ★★★★★**

FM 87.5-108, LW 144-353, MW 520-1710, SW 1711-30000

**£130**

Excellent PLL portable, now discontinued by Grundig in the UK. We've included it, as it is still available from some outlets. Paperback book-sized, with keypad entry of frequencies, tuning up/down buttons and 40 presets. Presets can be programmed in any order and mixed from the 4 wave bands. Operation is straightforward and the

display shows the time as well as frequency. Reception quality is excellent with good FM sensitivity. Loudspeaker sound quality is very good with a relatively loud volume for the size of radio, and a mellower and more 'bassy' sound than many quality world band portables. FM stereo over earphones. Well worth considering, especially if it being sold-off at a reduced price.

**Tandy - Realistic DX 392 ★★★★★**

FM 87.5-108, LW 150-519, MW 520-1710, SW 1711-29999

**£150**

A world band radio with a built-in cassette player/recorder. Made by Sangean and sold abroad as the ATS-818. This is the same radio as the Roberts RC828 - but is £70 cheaper! Note however, that the Roberts RC828 comes with an ac adaptor whereas the DX 392 does not. (An ac adaptor will cost about £15.) This is a very large radio, and is probably best suited for

home use, rather than for travelling. If you need a very good quality short wave radio, with a built-in cassette, plus the ability to make basic one-event timed recordings, this could be the radio for you. Its main competitor, the Sony ICF-SW 1000T (also with a built-in cassette player) is less than a quarter the weight, but costs £429. Good value if you don't find its size a problem.

**Roberts - R827 ★★★★★**

FM 87.5-108, LW 150-519, MW 520-1710, SW 1711-29999

**£160**

Very large digital multi-band PLL world band receiver, with single side-band. Everything about this radio is on a large scale - from the LCD frequency display, to the control buttons and the speaker! There are 9 presets on FM, MW, LW and 18 on SW, although serious SW listeners would probably like more. Very good SW

performance with the usual top of the range tuning features, including a large tuning knob and an AM RF gain control knob. Sensitive FM reception. Sound volume from the large speaker is very good, with FM stereo on earphones. Sold as RC828 with built-in cassette player/recorder. (Check out the Tandy - Realistic DX 392 above, which is the same radio, plus cassette/recorder.)

**Sony - ICF-SW 7600G ★★★★★**

FM 76-108, LW/MW/SW 150-29999

**£180**

World band receiver with synchronous detection. Good layout with clear labelling of buttons and good LCD frequency display. The clock (with timer) displays when the radio is turned off. The 22 presets are straightforward to use, but a little limited in numbers for a quality world band radio. Useful auto tuning feature scans through the wave band, stopping briefly at strong stations.

Very good reception on FM and AM, and above average audio quality from the loudspeaker, with FM stereo on earphones. All-in-all a good value receiver, particularly for serious SW listeners, and one of the cheapest with synchronous detection.



digital portables

**Grundig - Yacht Boy 500 ★★★**

FM 87.5-108, LW 150-353, MW 513-1611, SW 1612-30000

**£189**

World band receiver with RDS. Although it is now discontinued in the UK it is still available from some outlets. Unusual design with the radio orientated on end, and normally operated on its lean-back stand. The fiddly buttons, some with more than one function, can prove confusing. Bulky mains adaptor. For a quality world band receiver, we found reception was

at best average. FM reception quality in particular was not a patch on that of the excellent Grundig Yacht Boy 400. Excellent sound quality for a radio of its size with a sound boost switch and 2 position tone control. Unusual design and a wealth of features, but lacking in performance where it really matters.

**Sony - ICF-SW 100E ★★★★★**

FM 76-108, LW/MW/SW 150-29999

**£200**

Extremely small world band radio that is of particular appeal to travellers. Basically this is a high quality digital short wave 'Walkman'. The unit opens like a laptop computer with the speaker and display up top, and the keyboard and controls on the base. 50 presets are available. Despite its small size, (about the size of a cigarette packet), the radio boasts sophisticated technology,

including synchronous detection. Reception is very good for such a small radio, but can be improved in weak signal areas by running the radio on an optional ac adaptor and active antenna. Loudspeaker sound quality was good for its size. On earphones sound quality was very good with FM stereo. A good choice for travelling short wave listeners with £200 to spare.

**Roberts - R861 ★★★★★**

FM 87.5-108, LW 153-513, MW 520-1710, SW 1711-29999

**£200**

The R861 is a fairly large digital world band radio with RDS. RDS features comprise station name and clock time. The useful auto tuning system scans the FM, MW or LW bands putting the 9 strongest signals into memory in signal strength priority. 306 presets: 261 SW, 18 FM, 18 MW, 9 LW. There are preprogrammed SW stations and an editable SW

station name display. The 3 alarm/on times, can be programmed with 3 discrete frequencies. Line output and standby sockets for tape recording when linked to a suitable recorder. Very good reception and relatively sensitive RDS. Good sound from speaker, with 3 position tone control. A good buy if you want a quality world band receiver with RDS.

**Roberts - RC828 ★★★**

FM 87.5-108, LW 150-519, MW 520-1710, SW 1711-29999

**£220**

All the features of Roberts R827 plus a built-in cassette player/recorder. This is done at the expense of loudspeaker size which is reduced in the RC828. This radio is sold by Sangean as the ATS-818, and badged in the UK by Roberts and sold as the RC828. It is a very good quality world band radio, with a fairly basic cassette recorder. (This radio is also available in the UK from Tandy, as

the Realistic DX 392, at only £150, although this price does not include a mains adaptor.)



## Sony - ICF-SW 55 ★★★

FM 76-108, LW/MW/SW 150-29999

£300



A sophisticated looking world band radio, with many features to interest serious short wave listeners - but no synchronous detection. A large LCD display dominates the front of the radio, giving frequency, time and signal strength information. It is possible to give preset stations an alphanumeric name that shows

on the display. The radio also boasts sophisticated recording functions when coupled to a suitable recorder. Very good overall performance on AM and excellent reception on FM. Good audio quality with an unusual speaker design - the sound is ducted to the front of the set and out through a letterbox style opening.

## Sony - ICF-SW 77 Not reviewed

FM 76-108, LW/MW/SW 150-29999

£400

A high end world receiver with a wide variety of features to satisfy the enthusiast. It can prove complex to operate for the 'technologically challenged'! Many features to interest serious short wave listeners including synchronous detection. A built in timer can control up to 5 events and can be linked to a cassette recorder. Large speaker and FM stereo on earphones.



## Sony - ICF-SW 1000T ★★★

FM 76-108, LW/MW/SW 150-29999

£430



World band radio with built-in stereo cassette recorder. The first thing to say about this radio is how surprisingly compact it is. Unlike the Roberts RC 828 which is a substantial radio, this is a marvel of miniaturisation. However you pay for this in the price of the set. Parts of the cassette/recorder design look a

little flimsy. The radio has two programmable on/off event times that can be set to record programmes while you are out. Excellent world band receiver with good FM performance. The loudspeaker gives reasonable audio quality, with FM stereo on earphones. The bottom line - a very good receiver, unusual with its built in tape, - but you pay a hefty price for the miniaturisation.

## and finally...

## Bose - Wave radio

FM 87.5-108, MW 531-1602

£275

Although this radio falls outside our main review areas - it has been widely advertised, so we thought it worth a look. It has a flat design, rather like hi-fi tuner, but has built-in speakers on either side of the radio. We liked the clean design and the large clearly labelled buttons on the radio's top. These are mirrored on a credit card sized remote control, that worked from up to 10m away. An alarm function gives 2 wakeup times.

There are 12 presets, 6 FM and 6 MW. There is no long wave coverage, and no headphones socket or tone control.

The radio has a



4m long, wire FM aerial, that plugs into a coaxial socket. Better still, if you have an external aerial, it can be plugged into this socket. FM reception with the supplied aerial was good - better than most standard portables, but not as good as a quality world band receiver. Auto seek tuning worked well to find strong stations. With an external FM aerial plugged-in, the quality of reception was very good.

Average MW reception. The fact that the radio is large and mains-only, can make for tricky MW reception, where turning a radio round to find the best reception angle for the internal MW aerial is vital. There were no connections for an external AM / MW aerial.

Sound volume and quality for the radio's size was excellent, although no better we thought, than a quality stereo radio-cassette or hi-fi system.

Pros - clean uncluttered design with remote control operation, and very good sound quality. Cons - lack of long wave, average MW reception, and price!

# Best buys

...we pick our favourites

There is no one radio that suits all needs, so we've picked our favourites of various types.

## Looking for a small radio?

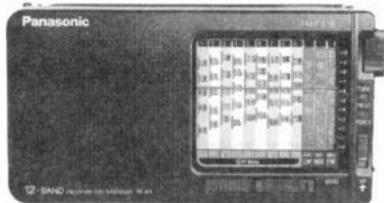
Inevitably when you miniaturise a radio you make sacrifices. Small speakers offer limited volume, and radios relying on their earphones lead as their FM aerial, do not have as good FM reception, as a similar quality portable with a good length aerial. For a really small personal radio choose between the **AIWA CR-A55** £25, or the **Roberts R961** £25. **Sony's SRF S80** £30 although not reviewed, would probably be worth a look.



For a slightly larger personal radio with a speaker and presets, the **Sony SRF M806** £45 performed well. If you aren't concerned about the lack of a loudspeaker, the **Roberts PR1** £40, or **Sony's SRF M606** £40 are good buys.

## Looking for a compact portable?

If you are looking for a radio offering good reception to use while travelling there is a wide choice of both analogue and digital radios. Top of my analogue list would be the **Panasonic RF-B11** £40 (with FM stereo), followed by the **Roberts R862** £30 (also sold as the **Tandy Realistic DX 351**) and the **Philips AE 3350** £35.



Quality digital portables are more expensive than analogue. If you want a really small radio with good short wave capabilities the **Sony ICF-SW 100E** £200 is about the smallest and best. However it is really only worth buying if you intend to use its short wave capabilities. At £130 **Roberts R876** is a good buy for general listening and also gives much better volume through its loudspeaker than the **Sony ICF-SW 100E**. The **R876** also has a useful auto tuning system that finds and automatically loads strong station into memory. This is a particularly useful feature when travelling.



If you are looking for a cheaper compact digital portable (but without the performance of the Roberts R876) **Sony's ICF M260** £40, or **ICF M350L** £50, are worth considering. Note however that neither radio has short wave and the **M260** also lacks long wave coverage.

## Larger portables

If you are looking for a digital portable with good performance, and a wider range of features, our top choice, which also offers good value for money, is the **Roberts R809**. At £100 it is also the cheapest set we looked at with digital keypad frequency entry. **Grundig's Yacht Boy 400** £130, (which although discontinued can still be found) is also a top choice.

For a quality set, with very good short wave performance and synchronous detection, look at **Sony's ICF-SW 7600G** £180.

## best buys...



At £100 Roberts R809 is good value for money and the cheapest set we looked at with digital keypad frequency entry.



Good short wave performance and synchronous detection, **Sony's ICF-SW 7600G** £180.

### A radio for use round the house

With good reception, sufficient volume to cut through a noisy kitchen, a built-in mains adaptor, and presets the **Sony ICF M760** £55 is one of our top choices.



Also worth considering are the **Panasonic RF-3700** £55, and **Roberts R309** £50. If you plan to use the radio when travelling, consider the **Sony ICF M50 RDS L** £60, its RDS is a useful feature for identifying new stations.

If you are a traditionalist and dislike the idea of a digital set the **Sony ICF 990** £40 with 3 FM presets is a good buy.

### Looking for a cheap radio?

Choose between the simple and solid looking **AIWA FR-C10** £13, or the **Boots RX 100 Travel** £15, which has FM, MW, LW and SW. It is also

sold with earphones and batteries included. This small radio could also prove useful for cricket fans wanting a compact radio to tune to cricket coverage on long wave.



### If you have special needs

When looking at radios for people with special needs, we considered the ease of tuning, the use of presets, stability, and the overall ease of operation.

Although expensive, **Clarke and Smith's Easiplay** £115, was our top choice for anyone with a visual handicap. It is designed with unique features to aid tuning, has easy to use presets and looks robust.



Other radios worth considering for those with special needs are the **Panasonic RF-3700** £55, **Sony ICF M760** £55 and **Roberts R309** £50. The **Roberts RP 28** £100, was straightforward to use once set up, but setting the presets was difficult.

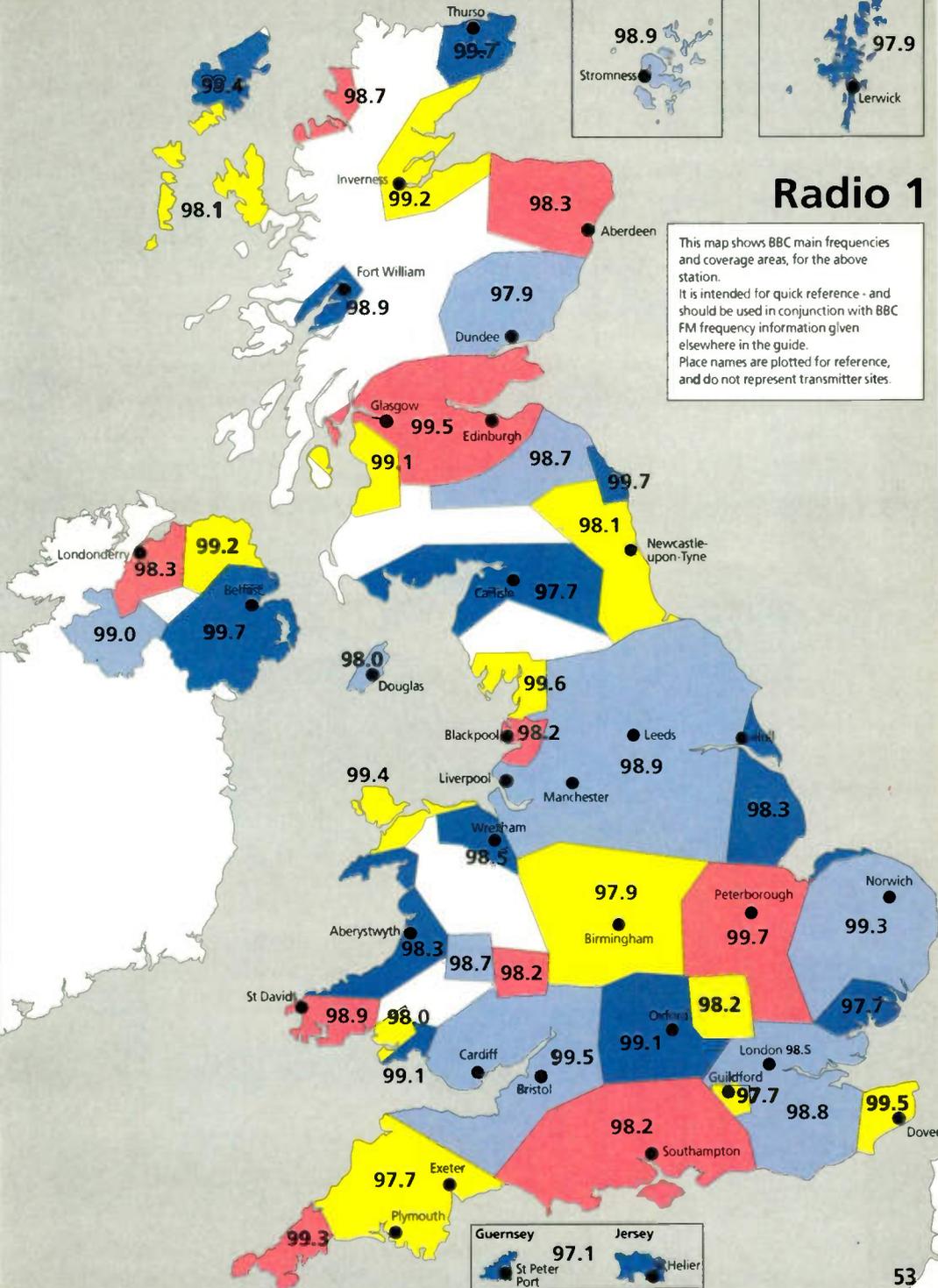


# Radio 1

This map shows BBC main frequencies and coverage areas, for the above station.

It is intended for quick reference - and should be used in conjunction with BBC FM frequency information given elsewhere in the guide.

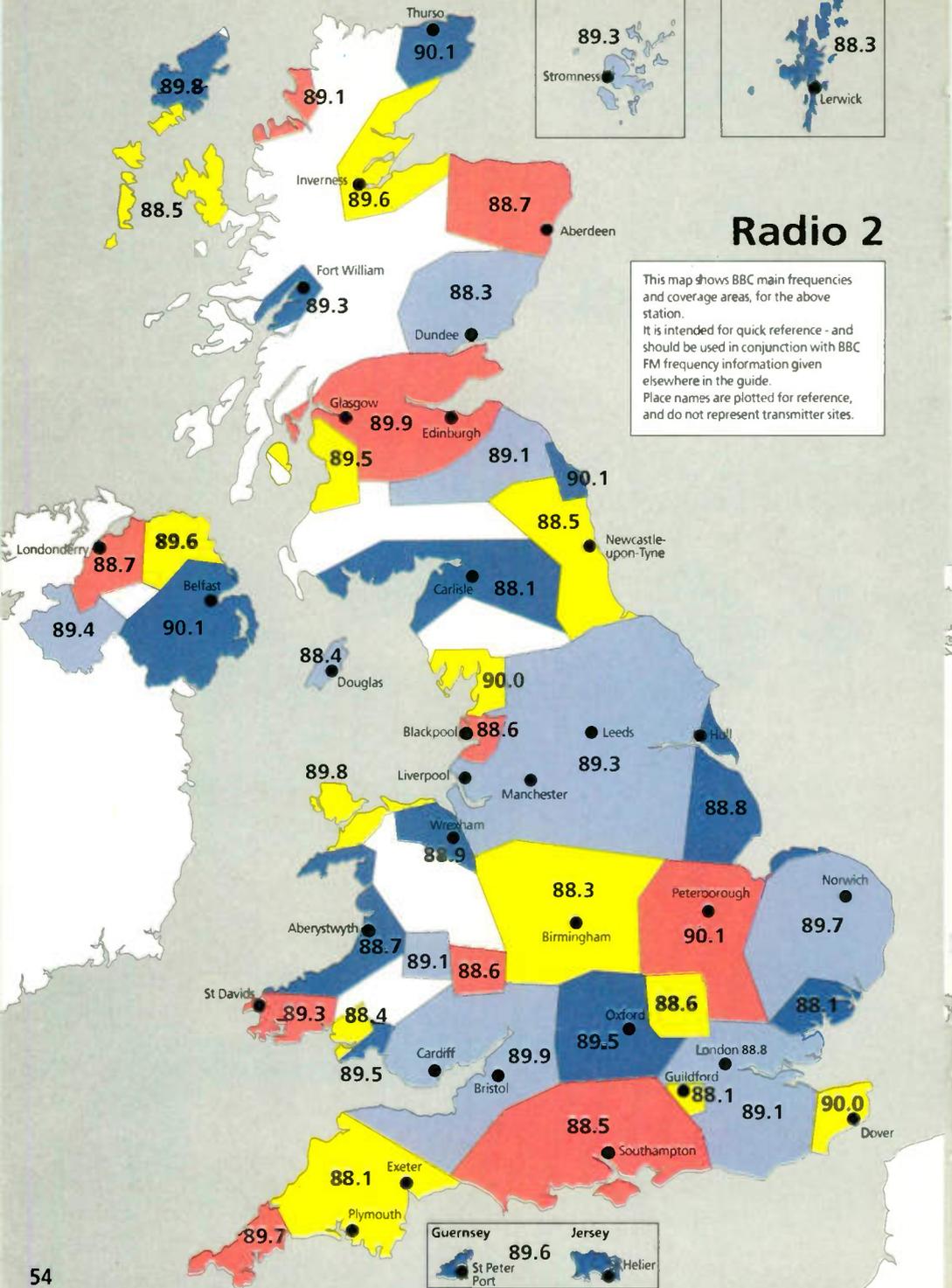
Place names are plotted for reference, and do not represent transmitter sites.





## Radio 2

This map shows BBC main frequencies and coverage areas, for the above station.  
 It is intended for quick reference - and should be used in conjunction with BBC FM frequency information given elsewhere in the guide.  
 Place names are plotted for reference, and do not represent transmitter sites.

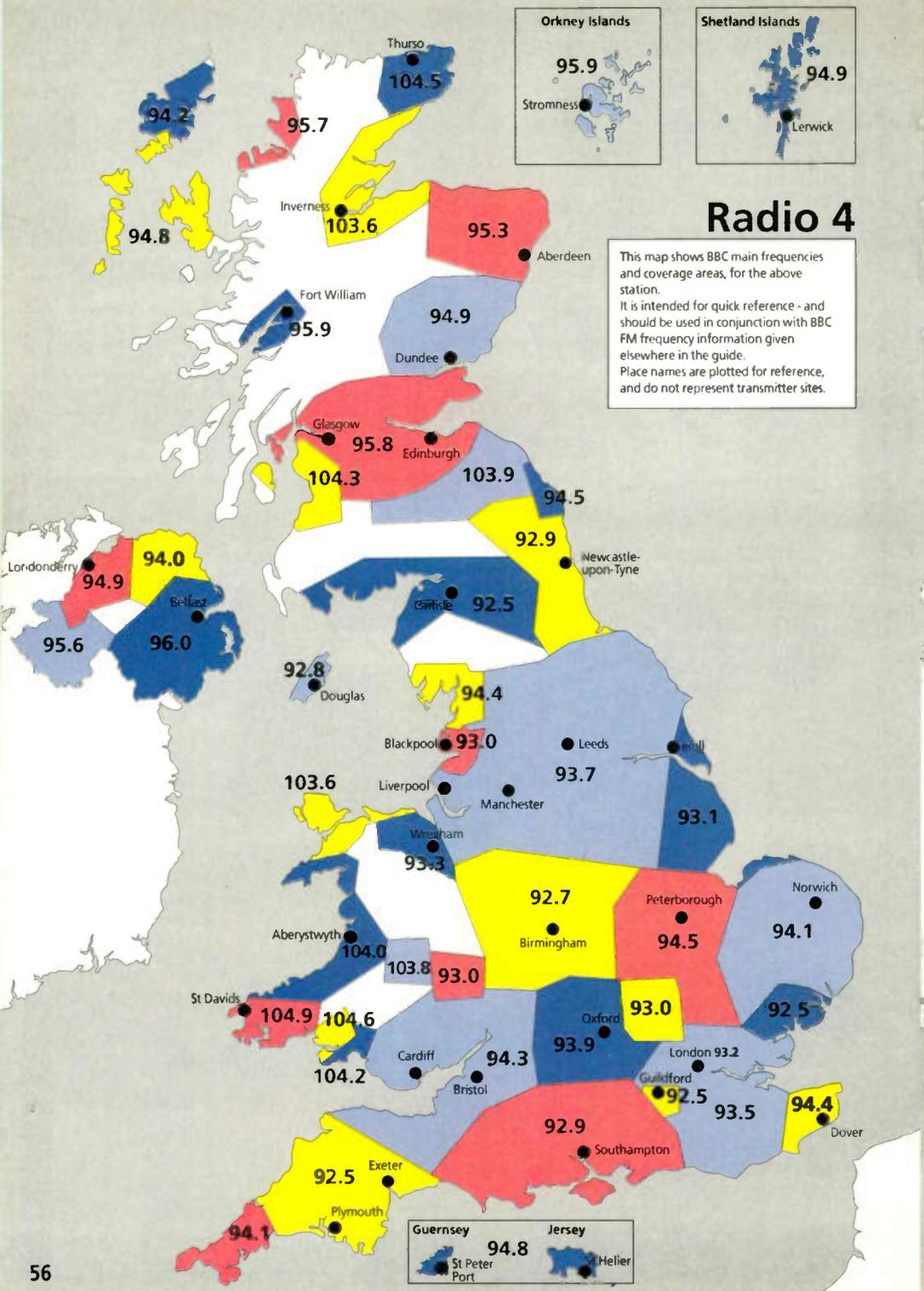






# Radio 4

This map shows BBC main frequencies and coverage areas, for the above station. It is intended for quick reference - and should be used in conjunction with BBC FM frequency information given elsewhere in the guide. Place names are plotted for reference, and do not represent transmitter sites.

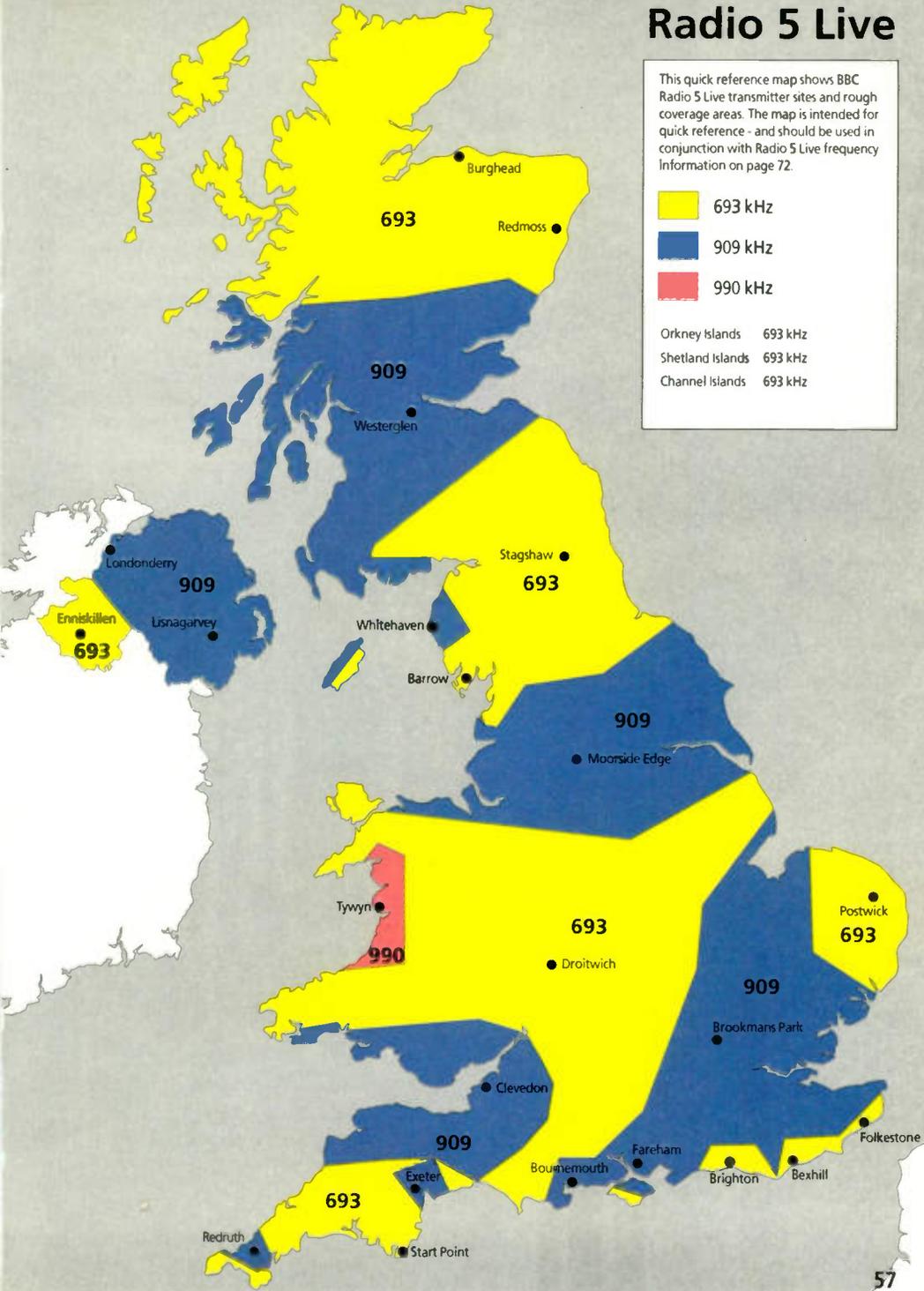


# Radio 5 Live

This quick reference map shows BBC Radio 5 Live transmitter sites and rough coverage areas. The map is intended for quick reference - and should be used in conjunction with Radio 5 Live frequency information on page 72.

- 693 kHz
- 909 kHz
- 990 kHz

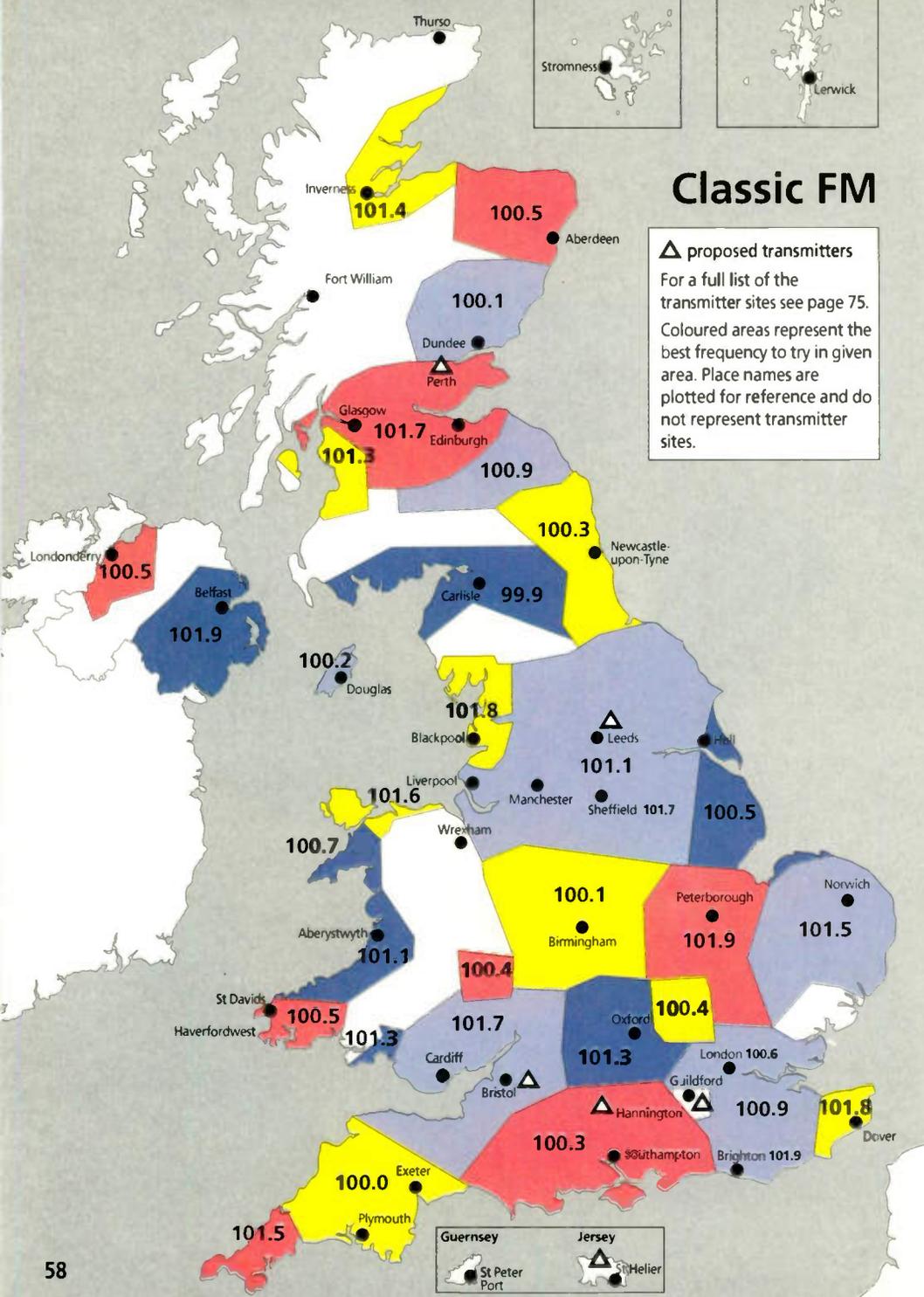
Orkney Islands 693 kHz  
Shetland Islands 693 kHz  
Channel Islands 693 kHz





# Classic FM

**△** proposed transmitters  
 For a full list of the transmitter sites see page 75.  
 Coloured areas represent the best frequency to try in given area. Place names are plotted for reference and do not represent transmitter sites.

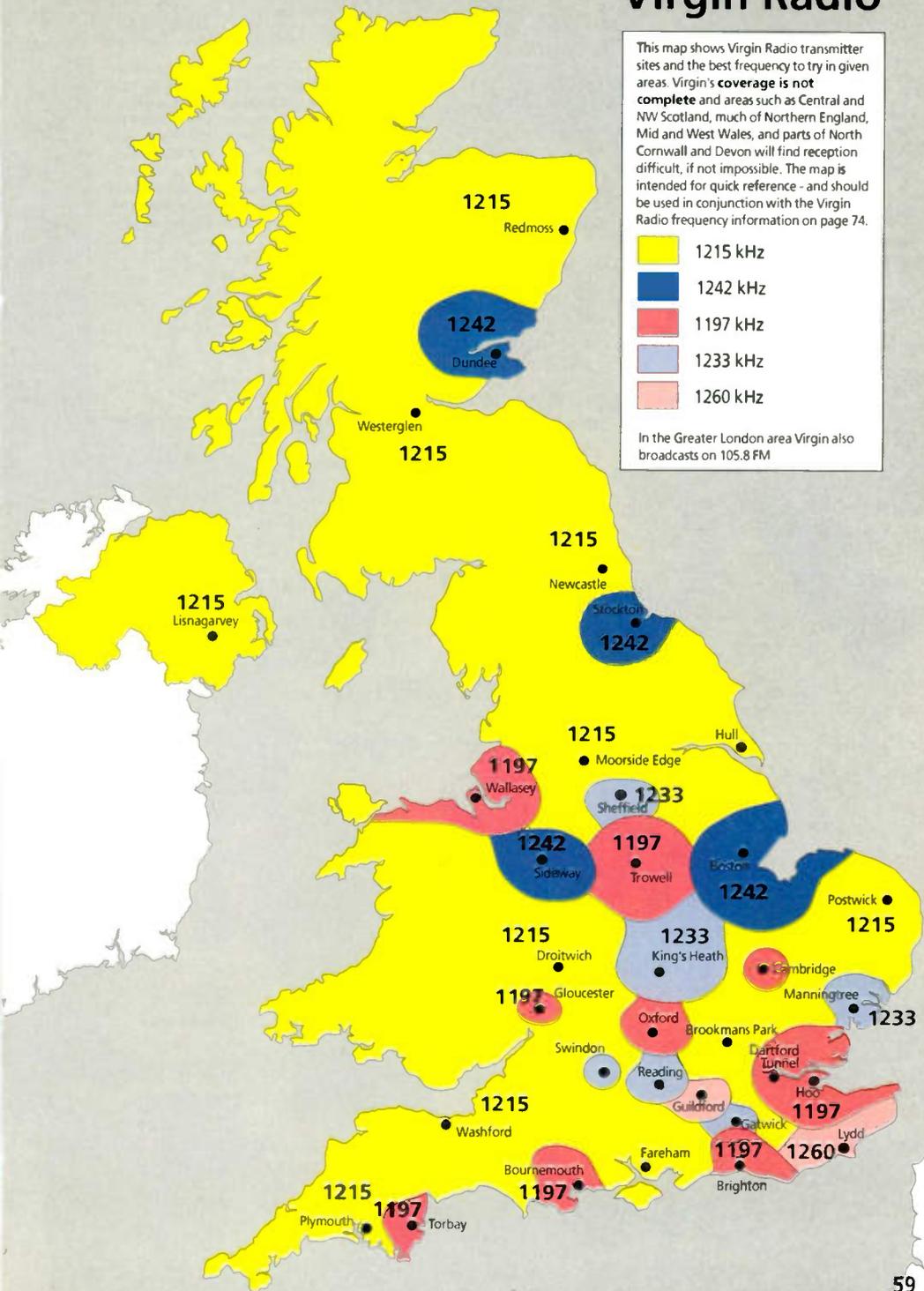


# Virgin Radio

This map shows Virgin Radio transmitter sites and the best frequency to try in given areas. Virgin's coverage is not complete and areas such as Central and NW Scotland, much of Northern England, Mid and West Wales, and parts of North Cornwall and Devon will find reception difficult, if not impossible. The map is intended for quick reference - and should be used in conjunction with the Virgin Radio frequency information on page 74.

- 1215 kHz
- 1242 kHz
- 1197 kHz
- 1233 kHz
- 1260 kHz

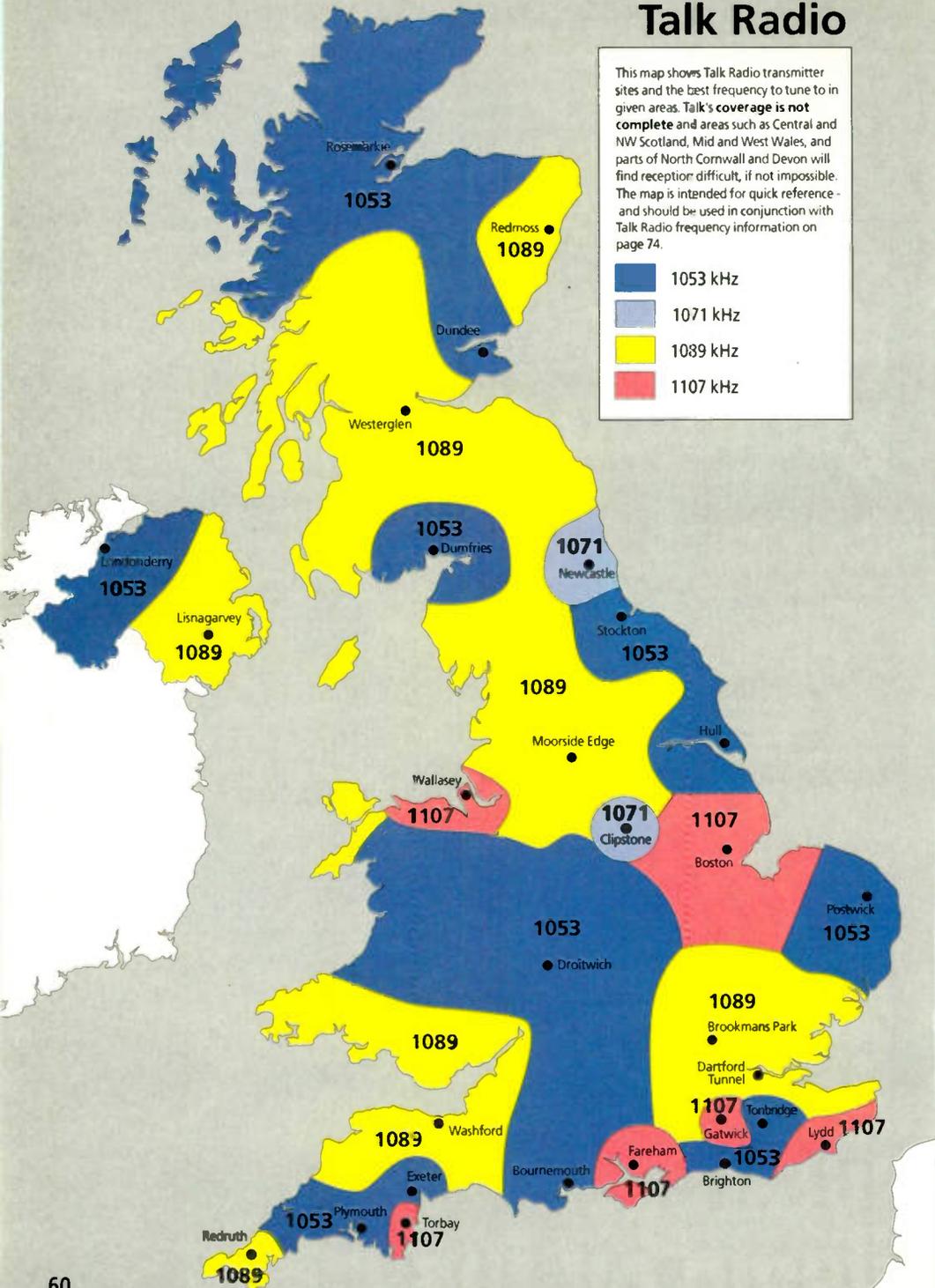
In the Greater London area Virgin also broadcasts on 105.8 FM



# Talk Radio

This map shows Talk Radio transmitter sites and the best frequency to tune to in given areas. Talk's coverage is **not complete** and areas such as Central and NW Scotland, Mid and West Wales, and parts of North Cornwall and Devon will find reception difficult, if not impossible. The map is intended for quick reference and should be used in conjunction with Talk Radio frequency information on page 74.

- 1053 kHz
- 1071 kHz
- 1089 kHz
- 1107 kHz



# Radio on the Internet

*The Internet offers radio enthusiasts two main avenues of exploration. Listening to radio stations on the net, and information gathering.*

## The Internet

The Internet (net) has developed from a computer network through which government, educational and commercial organisations could exchange information, into a vast international electronic communication system and repository of information.

To access the net requires a computer, a modem, the necessary software, and in most cases, an account with an Internet service provider.

## A brief history of internet listening

For most Internet-radio listeners, the computer software that has enabled listening over the Internet has been *RealAudio*.

Xing's *Streamworks*, or more recently Macromedia's *Shockwave* have produced competing software, but the sheer volume (over 10 million) of *RealAudio* players already downloaded, make it the most commonly used software.

Although the sound quality of Internet audio is improving, it is still not as good as normal radio reception, but you can at least hear broadcasts that you would otherwise not receive.

## Software and Hardware

*RealAudio* software is available for download at many sites, including Virgin and Capital Radio. On some computers it may even come bundled with the computer's operating system, or web browser.

Like all things on the Internet, the speed of evolution is rapid, with *RealPlayer* software now recommended for Pentium PCs running Windows 95, or Apple Macs with Power PC processors. *RealPlayer* offers video as well as

audio playback. Like *RealAudio* it works best with a fast modem, 28,800bps or faster.

If you are not sure what software you need, it's probably worth visiting RealNetworks' site where there is much more information.

*RealPlayer Plus* (with additional features) is the commercial version of the product, and can be purchased from the same site for \$29.99.

RealNetworks - <http://www.real.com/index.html>

## Net radio stations

We don't have the space to publish a list of the hundreds of *RealAudio* sites and stations, which would anyway soon lose accuracy. Instead, the following sites are a good starting point.

**Timecast** - publish some excellent pages with lists of real audio and TV stations. It also includes a search-engine that enables you to search for stations in their lists, by geographical region, or station type.

<http://www.timecast.com>

**World Radio Network** - provide a variety of services and information. They also provide a good list with links to many international broadcasters.

<http://www.wrn.org>

## Browsing and information gathering.

The following are some of the more useful sites I have visited.

**The BBC** - <http://www.bbc.co.uk/>

**BBC Eng Info** - <http://www.bbc.co.uk/enginfo/>

**Classic FM** - <http://www.classicfm.co.uk/>

**Virgin** - <http://www.virginradio.co.uk/>

**Radio Netherlands** - <http://www.rnw.nl/>

**Music Radio Associates** -

<http://wkweb4.cableinet.co.uk/radio/index.htm>

# BBC FM radio in England

Use the map on page 64 to locate your nearest main transmitter. These are printed in bold below and listed alphabetically. Tune your radio to the relevant frequency. If reception is poor, either retune to a nearby relay station (also listed alphabetically), or to another main station. (All Frequencies in MHz)

Transmitter	Radio 1	Radio 2	Radio 3	Radio 4	POL	Power max ERP kW
<b>Belmont</b>	98.3	88.8	90.9	93.1	M	16.000
<b>Chatton</b>	99.7	90.1	92.3	94.5	M	5.600
<b>Holme Moss</b>	98.9	89.3	91.5	93.7	M	250.000
<b>Les Platons</b> (Channel Islands)	97.1	89.6	91.1	94.8	M	16.000
<b>Manningtree</b>	97.7	88.1	90.3	92.5	M	5.000
<b>North Hessary Tor</b>	97.7	88.1	90.3	92.5	M	160.000
<b>Oxford</b>	99.1	89.5	91.7	93.9	M	46.000
<b>Peterborough</b>	99.7	90.1	92.3	94.5	M	40.000
<b>Pontop Pike</b>	98.1	88.5	90.7	92.9	M	134.000
<b>Redruth</b>	99.3	89.7	91.9	94.1	M	25.000
<b>Ridge Hill</b>	98.2	88.6	90.8	93.0	M	10.000
<b>Rowridge</b>	98.2	88.5	90.7	92.9	M	250.000
<b>Sandale</b> (also Scotland)	97.7	88.1	90.3	92.5	M	250.000
<b>Sutton Coldfield</b>	97.9	88.3	90.5	92.7	M	250.000
<b>Swingate</b>	99.5	90.0	92.4	94.4	M	11.000
<b>Tacolneston</b>	99.3	89.7	91.9	94.1	M	250.000
<b>Wenvoe</b> (also Wales)	99.5	89.9	92.1	94.3	M	250.000
<b>Winter Hill</b>	98.2	88.6	90.8	93.0	M	4.000
<b>Wrotham</b>	-	89.1	91.3	93.5	M	250.000
<b>Wrotham</b>	98.8	-	-	-	M	125.000
Andover	99.0	89.3	91.5	93.7	V	0.200
Axe Valley	99.1	89.5	91.7	93.9	V	0.080
Barnoldswick	99.3	89.7	91.9	94.1	V	0.020
Barnstaple	98.1	88.5	90.7	92.9	M	1.000
Basingstoke	99.7	90.1	92.3	94.5	V	0.200
Bath	98.6	89.0	91.2	93.4	M	0.082
Beacon Hill	98.4	88.7	90.9	93.1	V	1.000
Beecroft Hill	99.4	89.8	92.0	94.2	V	0.200
Berwick-upon-Tweed	98.2	88.6	90.8	93.0	V	0.025
Bexhill	99.2	88.2	92.2	94.6	V	0.100
Bilsdale	98.6	89.0	91.2	93.4	V	5.000
Blunsdon	98.6	89.0	91.2	93.4	V	0.200
Bow Brickhill	98.2	88.6	90.8	93.0	M	10.000
Bridport	98.7	89.1	91.3	93.5	V	0.200
Brighton (Whitehawk Hill)	99.7	90.1	92.3	94.5	M	0.600
Buxton	99.6	90.0	92.2	94.4	M	0.100
Calne	97.8	88.2	90.4	92.6	V	0.032
Cambridge (Madingley)	98.5	88.9	91.1	93.3	M	0.260
Caterham	99.3	89.7	91.9	94.1	V	0.015
Chalford	98.8	89.2	91.4	93.6	V	0.100
Chard	98.5	88.9	91.1	93.3	V	0.033
Chesterfield	98.6	89.0	91.2	93.4	V	0.400
Chippenham	98.4	88.8	91.0	93.2	V	0.010
Churchdown Hill	98.6	89.0	91.2	93.4	M	0.072
Cirencester Town	97.7	88.1	90.3	92.5	V	0.010
Combe Martin	98.7	89.1	91.3	93.5	V	0.004
Cornholme	99.3	89.7	91.9	94.1	V	0.020
Crystal Palace	98.5	88.8	91.0	93.2	V	4.000
Darwen	99.1	89.5	91.7	93.9	V	0.010
Douglas (Isle of Man)	98.0	88.4	90.6	92.8	M	11.000
Egford Hill (Frome)	98.7	89.1	91.3	93.5	V	0.060
Fenham	99.4	89.8	92.0	94.2	V	0.042
Folkestone	98.3	88.4	90.6	93.1	V	0.100
Gogwell	99.2	89.6	91.8	94.0	V	0.300

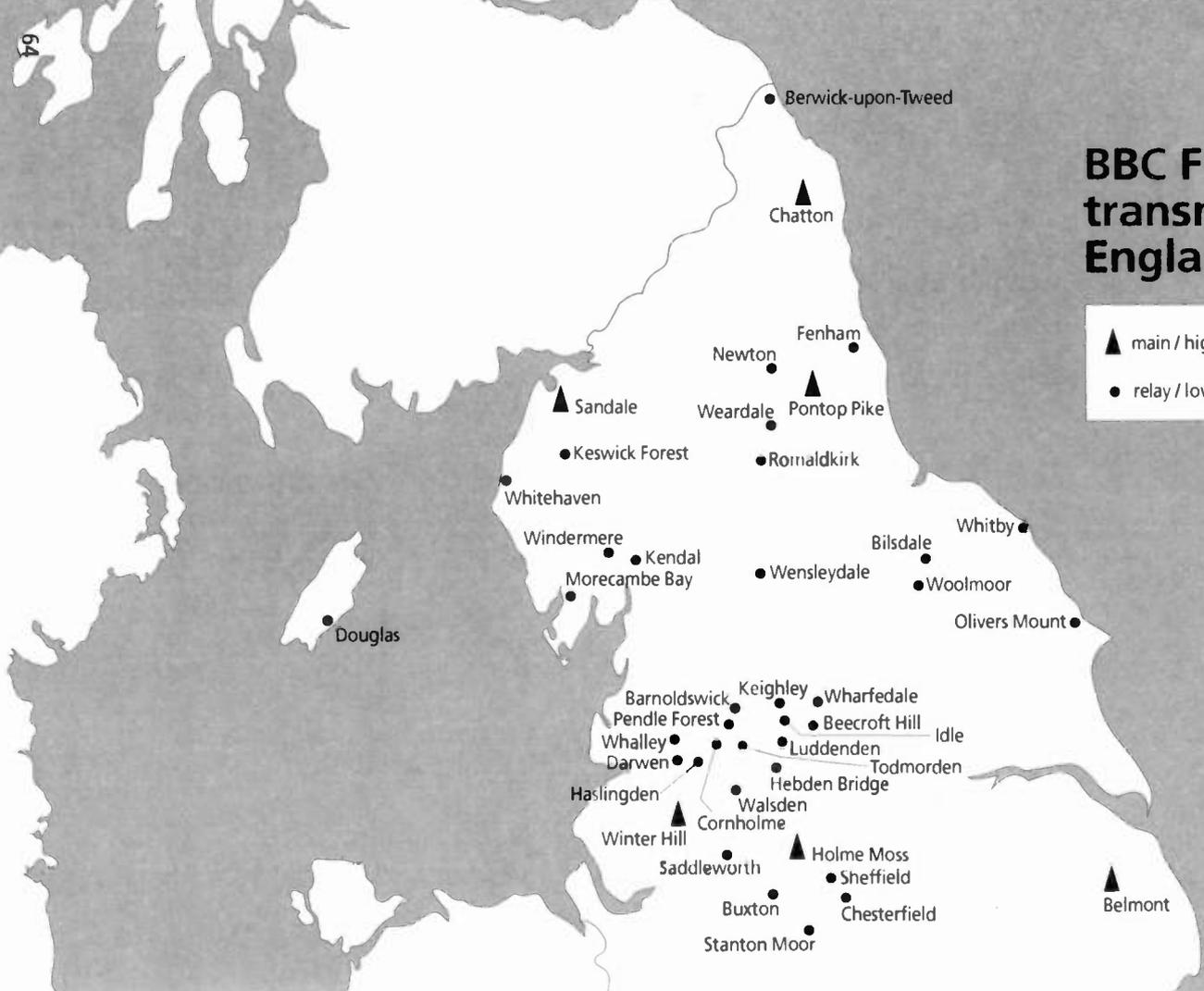
# BBC FM radio in England

Transmitter	Radio 1	Radio 2	Radio 3	Radio 4	POL	Power max ERP kW
Grantham	97.7	88.1	90.3	92.5	V	0.050
Guildford	97.7	88.1	90.3	92.5	M	3.000
Haslingden	99.5	89.9	92.1	94.3	V	0.083
Hastings	97.7	89.6	91.8	94.2	M	0.500
Hebden Bridge	98.0	88.4	90.6	92.8	V	0.025
Hemdean (Reading)	99.4	89.8	92.0	94.2	V	1.000
High Wycombe	99.6	90.0	92.2	94.4	M	0.050
Holcombe Down	99.0	89.4	91.6	93.8	V	0.100
Hutton	99.0	89.4	91.6	93.8	V	0.040
Idle	98.1	88.5	90.7	92.9	V	0.025
Ilchester Crescent	98.9	89.3	91.5	93.7	M	1.300
Isles of Scilly	98.4	88.8	91.0	93.2	M	0.060
Ivybridge	99.5	89.9	92.1	94.3	V	0.050
Keighley	98.5	88.9	91.1	93.3	V	1.000
Kendal	98.6	89.0	91.2	93.4	M	0.100
Kenley	98.0	88.4	90.6	92.8	V	0.025
Keswick Forest	99.2	89.6	91.8	94.0	H	0.030
Kingswear	99.4	89.8	92.0	94.2	V	0.005
Luddenden	98.3	88.7	90.9	93.1	V	0.084
Ludlow	99.2	89.6	91.8	94.0	M	0.010
Lyme Regis	99.3	89.7	91.9	94.1	V	0.050
Marlborough	99.7	90.1	92.3	94.5	V	0.100
Membury	98.4	88.9	91.1	93.3	V	0.125
Mickleham	99.3	89.7	91.9	94.1	V	0.025
Minehead	98.6	89.0	91.2	93.4	V	0.010
Morecambe Bay	99.6	90.0	92.2	94.4	M	10.000
Nailsworth	97.8	88.2	90.4	92.6	V	0.100
Newbury	97.8	88.2	90.4	92.6	V	0.100
Newhaven	99.3	89.7	91.9	94.1	M	0.100
Newton	99.0	89.4	91.6	93.8	V	0.100
Northampton	98.5	88.9	91.1	93.3	M	0.123
Okehampton	98.3	88.7	90.9	93.1	M	0.070
Oliver's Mount	99.5	89.9	92.1	94.3	M	0.250
Penaligon Downs	98.4	88.8	91.0	93.2	V	0.200
Pendle Forest	97.8	90.2	92.6	94.6	M	1.000
Plympton	98.1	88.5	90.7	92.9	V	0.040
Romaldkirk	99.1	89.5	91.7	93.9	V	0.200
Saddleworth	99.3	89.8	91.9	94.1	V	0.095
Salcombe	99.1	89.5	91.7	93.9	V	0.250
Salisbury	99.4	89.8	92.0	94.2	V	0.020
Sheffield	99.5	89.9	92.1	94.3	M	0.320
St Just	97.9	88.3	90.5	92.7	V	0.125
St Thomas (Exeter)	98.6	89.0	91.2	93.4	M	0.055
Stanton Moor	99.4	89.8	92.0	94.2	M	1.200
Todmorden	98.5	88.9	91.1	93.3	V	0.100
Ventnor	99.0	89.4	91.7	93.8	M	0.048
Walsden South	98.0	88.4	90.6	92.8	V	0.010
Weardale	99.3	89.7	91.9	94.1	M	0.180
Wensleydale	97.9	88.3	90.5	92.7	M	0.054
Westwood	97.9	88.3	90.5	92.7	V	0.050
Weymouth	99.6	90.0	92.2	94.4	V	0.130
Whalley	99.2	89.6	91.8	94.0	V	0.010
Wharfedale	98.0	88.4	90.6	92.8	M	0.040
Whitby	99.2	89.6	91.8	94.0	M	0.100
Whitehaven	99.3	89.7	91.9	94.1	V	0.100
Windermere	97.9	88.3	90.5	92.7	M	0.064
Woolmoor	99.6	90.2	92.2	94.4	V	5.000

\* transmitters or frequencies marked with an asterisk (\*) are proposed, but are not yet in service

# BBC FM transmitters in England

▲ main / high power transmitter  
● relay / low power transmitter





# BBC FM radio in Scotland

To find a station, first use the map to locate the nearest main transmitter. These are printed in bold and listed alphabetically. Tune your radio to the relevant frequency. If the reception is poor, either retune to a nearby relay station (also listed alphabetically), or to another main station. **(All Frequencies in MHz)**

Transmitter	Radio 1	Radio 2	Radio 3	Radio 4	Radio Scotland	Radio Nan Gaidheal	Pol	Power kW max erp
<b>Ashkirk</b>	98.7	89.1	91.3	103.9	93.5t	-	M	50.000
<b>Black Hill</b>	99.5	89.9	92.1	95.8	94.3	-	M	250.000
<b>Black Hill</b>	-	-	-	-	-	104.7	M	10.000
<b>Bressay</b> (Shetlands)	97.9	88.3	90.5	94.9	92.7aoz	-	M	43.000
<b>Darvel</b>	99.1	89.5	91.7	104.3	93.9	-	M	10.000
<b>Eitshal</b>	99.4	89.8	92.0	95.1	94.2h	104.3	V	2.000
<b>Forfar</b>	97.9	88.3	90.5	94.9	92.7	-	M	17.000
<b>Fort William</b>	98.9	89.3	91.5	95.9	93.7h	104.2	M	3.000
<b>Keelylang Hill</b> (Orkneys)	98.9	89.3	91.5	95.9	93.7ao	-	M	41.000
<b>Meldrum</b>	98.3	88.7	90.9	95.3	93.1a	-	M	150.000
<b>Melvaig</b>	98.7	89.1	91.3	95.7	93.5h	103.9	M	50.000
<b>Rosemarkie</b>	99.2	89.6	91.8	103.6	94.0h	104.9	M	20.000
<b>Rumster Forest</b>	99.7	90.1	92.3	104.5	94.5h	-	M	10.000
<b>Sandale</b>	97.7	88.1	90.3	92.5	94.7d	-	M	250.000
Ardgour	98.3	88.7	90.9	95.1	93.1h	104.9	H	0.050
Ballachulish	97.7	88.1	90.3	94.7	92.5h	103.7	M	0.050
Ben Gullipen	98.3	88.7	90.9	104.9	93.1	-	V	1.000
Bowmore	97.7	88.1	90.3	95.7	92.5h(m)	103.6(m)	V	0.080
Cambret Hill	98.3	88.7	90.9	95.3	93.1d	-	M	0.128
Campbeltown	98.0	88.4	90.6	95.2	92.8	-	M	0.800
Cletraval	97.7	88.1	90.3	95.1	92.5h	103.7	V	2.000
Craigkelly	-	-	-	-	-	104.1	V	5.000
Crieff	98.9	89.3	91.5	95.3	93.7	-	V	0.125
Daliburgh	98.9	89.3	91.5	95.9	93.7h	104.2	V	1.000
Durris	99.0	89.4	91.6	95.9	93.8a	-	M	2.100
Eyemouth	99.3	89.7	91.9	104.6	94.1t	-	V	0.100
Fort Augustus	98.2	88.6	90.8	95.2	93.0h	104.7	V	1.000
Girvan	98.5	88.9	91.1	95.3	93.3	-	V	0.100
Glengorm	99.1	89.5	91.7	96.1	93.9h	103.5	M	5.000
Grantown	99.4	89.8	92.0	104.2	94.6h	-	M	0.690
Innerleithen	99.1	89.5	91.7	96.1	93.9t	-	M	0.020
Kingussie	98.7	89.1	91.3	95.7	93.5h	-	M	0.064
Kinlochleven	99.3	89.7	91.9	95.6	94.1h	104.4	M	0.010
Kirkconnel	98.3	88.7	90.9	95.3	93.1	-	M	0.040
Kirkton Mailer	98.6	89.0	91.2	104.5	93.4	-	M	0.964
Knock More	97.8	88.2	90.4	94.8	92.6h	-	M	0.500
Lethanhill	97.9	88.3	90.5	94.9	92.7	-	M	0.200
Lochgilpead	-	88.3	90.5	-	92.7	97.9(m)	H	0.010
Mallaig	97.7	88.1	90.3	94.7	92.5h	104.3	M	0.040
Millburn Muir	97.9	88.3	90.5	104.1	92.7	-	M	0.050
Ness of Lewis	97.9	88.3	90.5	96.1	92.7h	104.9	V	0.200
Oban	98.5	88.9	91.1	95.3	93.3h	104.6	M	3.600
Peebles	98.0	88.4	90.6	95.0	92.8t	-	M	0.020
Penicuik	98.2	88.6	90.8	95.5	98.0	104.4	V	0.200
Penifiler	97.7	88.1	90.3	96.1	92.5h	104.3	M	0.010
Pitlochry	98.8	89.2	91.4	103.9	93.6	-	H	0.200
Port Ellen	98.6	89.0	91.2	94.7	93.4h(m)	104.9(m)	V	0.065
Rosemount	99.2	89.6	91.8	95.5	94.0	-	V	0.032
Rosneath	98.8	89.2	91.4	103.8	93.6	-	M	0.032
Rothsay	98.1	88.5	90.7	95.1	92.9	-	M	0.570
Skraig	98.1	88.5	90.7	94.8	92.9h	104.7	M	30.000
South Knapdale	98.9	89.3	91.5	95.6	93.7	104.8(m)	M	2.200
Strachur	98.2	88.6	90.8	95.1	93.0	104.2(m)	M	0.018
Stranraer	99.3	89.7	91.9	103.6	94.1d	-	V	0.031
Tullich	99.7	90.1	92.3	104.5	94.5a	-	M	0.042
Ullapool	97.9	88.3	90.5	96.1	92.7h	104.9	V	0.050
West Kilbride	98.7	89.1	91.3	103.5	93.5	-	V	0.050

**Radio Scotland opt-out services** carry local programmes at various times during the day. For programme details see 'Radio Times'. a Aberdeen, d Dumfries, h Inverness, o Orkney, t Selkirk, z Shetland (m) mono

### Orkney Islands

Keelyleang Hill

### Shetland Islands

Bressay

# BBC FM transmitters in Scotland

▲ main / high power transmitter  
● relay / low power transmitter



# BBC FM transmitters in Wales

▲ main / high power transmitter  
● relay / low power transmitter



# BBC FM radio in Wales

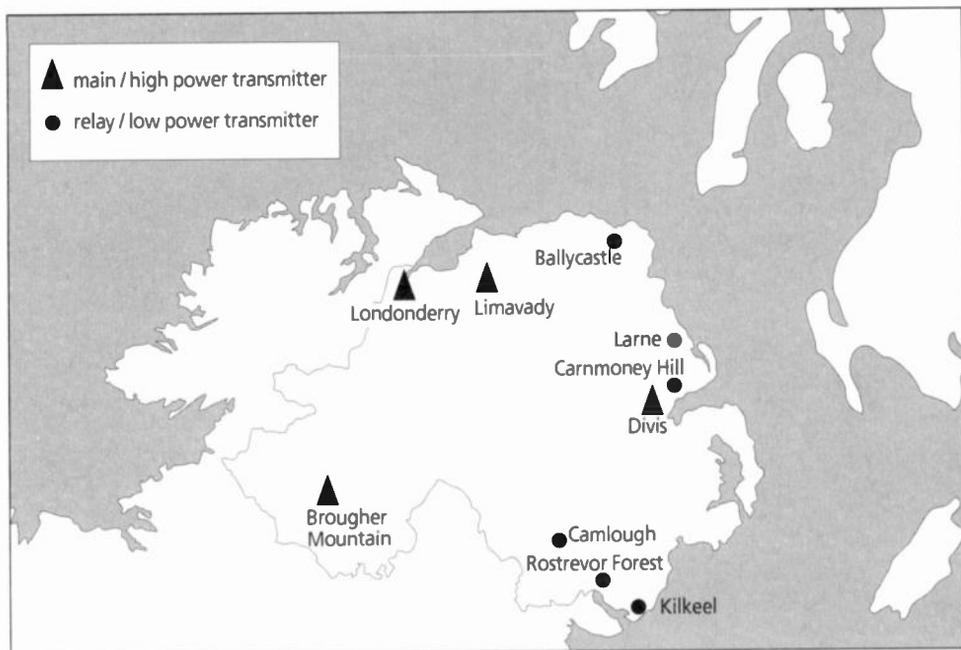
To find a station, first use the map to locate the nearest main transmitter. These are printed in bold and listed alphabetically. Tune your radio to the relevant frequency. If the reception is poor, either retune to a nearby relay station (also listed alphabetically), or to another main station. **(All Frequencies in MHz)**

Transmitter	Radio 1	Radio 2	Radio 3	Radio 4	Radio Cymru	POL	Power kw max erp
<b>Blaenplwyf</b>	98.3	88.7	90.9	104.0	93.1	M	250.000
<b>Haverfordwest</b>	98.9	89.3	91.5	104.9	93.7	M	20.000
<b>Llanddona</b>	99.4	89.8	92.0	103.6	94.2	M	21.000
<b>Llangollen</b>	98.5	88.9	91.1	93.3	104.3	M	15.600
<b>Wenvoe</b>	99.5	89.9	92.1	94.3	96.8	M	250.000
Aberdare	98.8	89.2	91.4	104.7	93.6	M	0.042
Abergavenny	98.3	88.7	90.9	93.1	103.5	M	0.040
Abertillery	98.6	89.0	91.2	93.4	104.3	V	0.010
Betws-y-Coed	97.8	88.2	90.4	104.9	92.6	M	0.050
Blaenavon	98.1	88.5	90.7	92.9	104.0	V	0.010
Brecon	98.5	88.9	91.1	104.7	93.3	M	0.020
Carmarthen	98.5	88.9	91.1	95.5	93.3	M	0.007
Carmel	98.0	88.4	90.6	104.6	92.8	M	3.200
Clyro	99.8	88.1	90.2	104.9	92.4	V	0.010
Conwy	98.7	89.1	91.3	104.4	93.5	V	0.050
Croeserw	98.6	89.0	91.2	103.6	93.4	V	0.010
Cwmafan	98.1	88.5	90.7	92.9	104.5	V	0.010
Deiniolen	97.7	88.1	90.3	104.1	92.5	V	0.050
Dolgellau	99.7	90.1	92.3	103.6	94.5	M	0.050
Ebbw Vale	98.0	88.4	90.6	92.8	104.6	M	0.020
Ferndale	99.2	89.6	91.8	94.0	104.9	V	0.010
Ffestiniog	97.7	88.1	90.3	103.5	92.5	M	0.190
Kilvey Hill	99.1	89.5	91.7	104.2	93.9	M	0.925
Llandecwyn	99.0	89.4	91.6	93.8	104.9	V	0.100
Llandinam	99.7	90.1	92.3	94.5	96.1	M	0.035
Llandrindod Wells	98.7	89.1	91.3	103.8	93.5	M	2.800
Llandyfriog	99.7	90.1	92.3	104.4	94.5	M	0.087
Llanfyllin	98.7	89.1	91.3	93.5	95.7	M	0.014
Llangeinor	98.2	88.6	90.8	93.0	104.6	V	0.010
Llanidloes	97.7	88.1	90.3	104.8	92.5	M	0.050
Llanrhaeadr-ym-Mochnant	99.4	89.8	92.0	94.2	103.8	M	0.050
Llwyn-Onn	97.9	88.3	90.5	104.8	92.7	V	0.200
Llyswen	99.2	89.6	91.8	104.4	94.0	V	0.010
Long Mountain	99.2	89.6	91.8	94.0	103.6	M	0.050
Machynlleth	99.0	89.4	91.6	103.6	93.8	M	0.200
Mynydd Pencarreg	99.3	89.7	91.9	103.7	94.1	M	0.384
Ogmore Vale	98.8	89.2	91.4	93.6	103.7	V	0.010
Penmaen Rhos	98.0	88.4	90.6	104.6	92.8	V	0.100
Pennar	99.1	89.5	91.7	93.9	103.7	V	0.005
Pontypool	98.8	89.2	91.4	104.8	93.6	M	0.050
Porth	98.0	88.4	90.6	92.8	104.5	V	0.010
Rheola	97.8	88.2	90.4	104.8	92.6	V	0.010
Rhymney	98.9	89.3	91.5	93.7	104.9	V	0.020
Ton Pentre	98.4	88.8	91.0	104.3	93.2	M	0.005
Varteg Hill	98.5	88.9	91.1	103.5	93.3	M	0.048
					<b>Radio Wales</b>		
Blaenavon					95.1	V	0.010
Christchurch					95.9	M	0.500

A further four or five Radio Wales frequencies are expected to be cleared for use by mid-1998. No details available at the time of publication.

\* transmitters or frequencies marked with an asterisk (\*) are proposed, but are not yet in service

# BBC FM radio in N. Ireland



Transmitter	Radio 1	Radio 2	Radio 3	Radio 4	Radio Ulster	POL	Power kW Max erp
<b>Brougher Mountain</b>	99.0	89.4	91.6	95.6	93.8	M	9.800
<b>Divis</b>	99.7	90.1	92.3	-	94.5	M	250.000
<b>Divis</b>	-	-	-	96.0	-	M	125.000
<b>Limavady</b>	99.2	89.6	91.8	94.0	95.4	M	3.400
<b>Londonderry</b>	98.3	88.7	90.9	-	93.1f	M	31.000
<b>Londonderry</b>	-	-	-	94.9	-	M	10.000
Ballycastle	98.4	88.8	91.0	93.2	95.1	M	0.100
Camlough	98.3	88.7	90.9	104.6	93.1	M	4.000
Carnmoney Hill	98.4	88.8	91.0	93.2	95.3	V	0.020
Kilkeel	99.0	89.4	91.6	103.9	93.8	M	0.200
Larne	98.7	89.1	91.3	103.5	93.5	M	0.032
Rostrevor Forest	97.9	88.3	90.5	103.9	92.7	M	0.040

**Radio Ulster opt-out services** carry local programmes at various times during the day. For programme details see 'Radio Times'. f Radio Foyle

## Radio Telefis Eireann (RTE) is the statutory corporation for the Irish Republic.

In England and Wales, RTE broadcasts are usually best heard on the medium wave band, with the strongest reception found in the west and south west. Tel: 00 353 (1) 2083111

**RTE Radio 1**...broadcasts current affairs type programmes, chat shows, and music.

**2FM**...broadcasts mainly pop music. News is broadcast on the hour.

**FM 3 and Radio Na Gaeltachta**...share the same frequencies. FM 3 broadcasts predominantly classical music Radio Na Gaeltachta opts-out, with programmes for Irish speaking communities.

### Atlantic 252

Independent station owned by CLT and RTE: based near Dublin. Broadcasts pop music 24 hours a day to the UK on 252 kHz (LW) from its

500kW transmitter. In Britain, coverage is best in the South West of England and Wales.

Tel : 00 353 46 36655

### Independent Radio and TV Commission

The IRTC supports approximately 40 low power local FM stations. Space prevents us listing the full details here. IRTC Tel: 00 353 (1) 760966

### Radio Ireland

The main news from the Republic is the launch of Radio Ireland. Launched in March 1997 the station covers the whole of the Republic on a number of FM frequencies. The station's original aims were to appeal to a 25-45 age group, with a mix of 60% music and 40% talk.

By September 1997 the station was pulling in only a 1% market share. At launch Radio Ireland had projected a 10% share within a year. Changes are now likely to the format, and the target audience.

RTE FM Transmitters	RADIO 1	2 FM	FM 3 / RnaG	Power (ERP kW)	POL
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### MAIN TRANSMITTERS (Frequencies in MHz)

<b>Clermont Carn</b>	95.2	97.0	102.7	40	V
<b>Holywell Hill</b>	89.2	91.4	93.6	2	M
<b>Kippure</b>	89.1	91.3	93.5	40	M
<b>Maghera</b>	88.8	91.0	93.2	160	V
<b>Mount Leinster</b>	89.6	91.8	94.0	100	V
<b>Mullaghanish</b>	90.0	92.2	94.4	160	V
<b>Three Rock</b>	88.5	90.7	92.9	10	M
<b>Truskmore</b>	88.2	90.4	92.6	80	V

### RTE medium wave transmitters

	Frequency (kHz)	Power (kW)
Radio 1 (Tullamore)	567	500
Radio 1 (Cork Local Radio)	729	10
2FM (Athlone)	612	100
2FM (Cork/Cork Local)	1278	10
2FM (Dublin)	1278	10

# BBC national medium and long wave radio

## Radio 4

Transmitter	Frequency (kHz)	power (kW)
Burghead	198	50.00
Carlisle	1485	1.00
Droitwich	198	500.00
Enniskillen	774	1.00
Lisnagarvey	720	10.00
London (Lots Road)	720	0.75
Londonderry	720	0.25
Newcastle	603	2.00
Plymouth	774	1.00
Redmoss	1449	2.00
Redruth MF	756	2.00
Westerglen	198	50.00

## Radio Scotland

Burghead	810	100.00
Dumfries	585 d	2.00
Redmoss	810	5.00
Redmoss	990 a	1.00
Westerglen	810	100.00

## Radio Wales

Forde	882	1.00
Llandrindod MF	1125	1.00
Penmon	882	10.00
Tywyn	882	5.00
Washford	882	100.00
Wrexham	657	2.00

## Radio 5 Live

Transmitter	Frequency (kHz)	power (kW)
Barrow	693	1.00
Bexhill	693	1.00
Bournemouth	909	0.25
Brighton	693	1.00
Brookmans Park	909	150.00
Burghead	693	25.00
Clevedon	909	50.00
Droitwich	693	150.00
Enniskillen	693	1.00
Exeter	909	1.00
Fareham	909	1.00
Folkstone	693	1.00
Lisnagarvey	909	10.00
Londonderry	909	1.00
Moorside Edge	909	200.00
Postwick	693	10.00
Redmoss	693	1.00
Redruth MF	909	2.00
Stagshaw	693	50.00
Start Point	693	50.00
Tywyn	990	1.00
Westerglen	909	50.00
Whitehaven	909	1.00

## Radio Ulster

Enniskillen	873	1.00
Lisnagarvey	1341	100.00
Londonderry	792 f	1.00

**Opt-out services.** Marked with a letter, they carry local programmes at various times during the day. For details see 'Radio Times'.

a Radio Aberdeen d Radio Solway f Radio Foyle

# medium and long wave transmitters

This map shows BBC national medium and long wave transmitters, as well as most Talk Radio and Virgin Radio sites

- ▲ main / high power transmitter
- relay / low power transmitter



## Virgin Radio

Launched in April 1993, Virgin broadcasts pop music nationally on medium wave 24 hours a day. In London it can also be heard on 105.8MHz on the FM wave band. At the time of publication the station is the subject of a take-over bid from Capital Radio.

Coverage area (Transmitter)	Frequency kHz	power kW
Berkshire (Reading)	1233	0.16
Cambridge (Chesterton Fen)	1197	0.20
Cleveland (Stockton)	1242	1.00
Dartford Tunnel	1215	0.004
Dorset (Fern Barrow)	1197	0.25
Dundee (Greenside Scalp)	1242	0.50
East Kent (Lydd)	1260	1.00
Essex (Manningtree)	1233	0.50
Gloucester (Gloucester)	1197	0.30
Grampian (Redmoss)	1215	2.30
Hampshire (Fareham)	1215	1.00
Humberside (Hull)	1215	0.32
Lincs (Boston)	1242	2.00
London (Brookmans Park)	1215	125.00
Lothian (Westerglen)	1215	100.00
Medway (Hoo)	1197	2.00
Merseyside (Wallasey)	1197	0.40
N. Ireland (Lisnagarvey)	1215	16.00
Newcastle (Wrekenton)	1215	2.20
Norfolk (Postwick)	1215	1.20
Northants (Kings Heath)	1233	0.50
Notts (Trowell)	1197	0.50
Oxford (Oxford)	1197	0.25
Plymouth (Plymouth)	1215	1.10
Somerset (Washford)	1215	100.00
South Yorks (Sheffield)	1233	0.30
Staffs (Sideway)	1242	0.50
Surrey (Guildford)	1260	0.50
Sussex (Brighton)	1197	1.10
Torbay (Torbay)	1197	1.00
West Sussex (Gatwick)	1233	0.12
Wiltshire (Swindon)	1233	0.10
Worcs (Droitwich)	1215	105.00
Yorks (Moorside Edge)	1215	200.00

Virgin Radio London is also available in the Greater London area on 105.8 MHz FM.

## Talk Radio

Launched in February 1995, Talk Radio broadcasts nationally on medium wave 24 hours a day. Predominantly phone-ins and chat shows, although in 1997 the station moved into live football coverage on Saturday afternoons.

Coverage area (Transmitter)	Frequency kHz	power kW
Aberdeen (Redmoss)	1089	2.20
Bournemouth (Bournemouth)	1053	1.00
Central Scotland (Westerglen)	1089	125.00
Cleveland (Stockton)	1053	1.00
Cornwall (Redruth)	1089	2.00
Dartford Tunnel	1089	0.004
Dumfries (Dumfries)	1053	10.00
Dundee (Dundee)	1053	1.00
East Kent (Lydd)	1107	2.00
Exeter (Exeter)	1053	1.00
Gatwick (Gatwick)	1107	2.00
Hampshire (Fareham)	1107	1.00
Humberside (Hull)	1053	1.00
Inverness (Rosemarkie)	1053	1.00
Lincs (Boston)	1107	1.00
London (Brookmans Park)	1089	400.00
Londonderry (Londonderry)	1053	1.00
Merseyside (Wallasey)	1107	0.50
N. Ireland (Lisnagarvey)	1089	12.50
Newcastle (Wrekenton)	1071	1.00
Norfolk (Postwick)	1053	18.00
Nottingham (Clipstone)	1071	1.00
Plymouth (Pulmer Barracks)	1053	1.00
Somerset (Washford)	1089	80.00
Sussex (Brighton)	1053	2.20
Torbay (Ocombe)	1107	1.00
West Kent (Tonbridge)	1053	4.00
Yorks (Moorside Edge)	1089	400.00
Worcs (Droitwich)	1053	500.00

## General Information

Classic FM, the UK's first national commercial radio station was launched in September 1992. It broadcasts a range of programming based on classical music, 24 hours a day. It is the fourth most popular station in the UK with a weekly reach of 4.4 million listeners. (source Rajar)  
 In 1993, and again in 1997 the station was voted Sony National Radio Station of the Year.  
 In 1996 the station was taken over by the GWR group.

## Engineering information

Classic FM's transmissions are in FM stereo and a RDS signal is transmitted.  
 Most transmitter sites are shared with BBC networks, and are at the same power.

The addition of new transmitters has slowed down, and we note that the proposals for sites at Hannington, Guildford, Bristol, Leeds and Perth shown in last year's RLG are still awaiting confirmation. The transmitter covering the Channel Islands on 101.3 from Fremont Point, which was assumed operational, is also still awaiting confirmation.

Classic FM is currently running DAB trials in London in association with GWR, LBC, News Direct and BBC GLR.

Classic's web site at <http://www.classicfm.co.uk/> gives good general information, including detailed programme guides, 'crafty cook' recipes and technical information.

Coverage Area	Transmitter	Frequency MHz	Power kW	
			ERP HP	ERP VP
Tayside	Angus	100.1	2.125	8.500
North West Wales	Arfon	100.7	3.750	15.000
Lincolnshire	Belmont	100.5	3.200	3.200
Glasgow	Black Hill	101.7	125.000	125.000
West Wales	Blaen Plwyf	101.1	2.000	8.000
Milton Keynes	Bow Brickhill	100.4	5.000	5.000
London	Crystal Palace	100.6	0.000	2.000
Ayrshire	Darvel	101.3	4.000	4.000
Northern Ireland	Divis	101.9	125.000	125.000
Isle of Man	Douglas	100.2	0.200	0.800
Kent	Dover	101.8	1.000	4.200
Newcastle	Fenham	101.0	0.000	0.050
North Wales	Great Ormes Head	101.6	0.500	2.000
Central N. England	Holme Moss	101.1	125.000	125.000
West Glamorgan	Kilvey Hill	101.3	0.500	0.500
Northern Ireland	Londonderry	100.5	15.500	15.500
Grampian	Meldrum	100.5	75.000	75.000
North Lancs	Morecambe Bay	101.8	3.200	3.200
Inverness	MountEagle	101.4	2.200	8.800
Devon	North Hessary Tor	100.0	80.000	80.000
Oxfordshire	Oxford (Beckley)	101.3	23.000	23.000
Cambridgeshire	Peterborough	101.9	20.000	20.000
Durham	Pontop Pike	100.3	65.000	65.000
South West Wales	Prescelly	100.5	1.400	5.900
Cornwall	Redruth	101.5	2.000	8.000
Gloucester	Ridge Hill	100.4	0.900	3.900
Isle of Wight	Rowridge	100.3	125.000	125.000
Cumbria	Sandale	99.9	125.000	125.000
Scottish Borders	Selkirk	100.9	5.000	5.000
South Yorkshire	Sheffield	101.7	0.250	0.250
West Midlands	Sutton Coldfield	100.1	125.000	125.000
Norfolk	Tacolneston	101.5	125.000	125.000
South Glamorgan	Wenvoe	101.7	125.000	125.000
Brighton	Whitehawk Hill	101.9	0.250	0.250
London/Kent	Wrotham	100.9	125.000	125.000

# BBC local radio

Details of BBC local radio stations programmes are published in Radio Times. When not on-air, stations usually transmit either Radio 1, Radio 2, Radio 5 Live or the World Service. FM broadcasts include at least, basic RDS information.

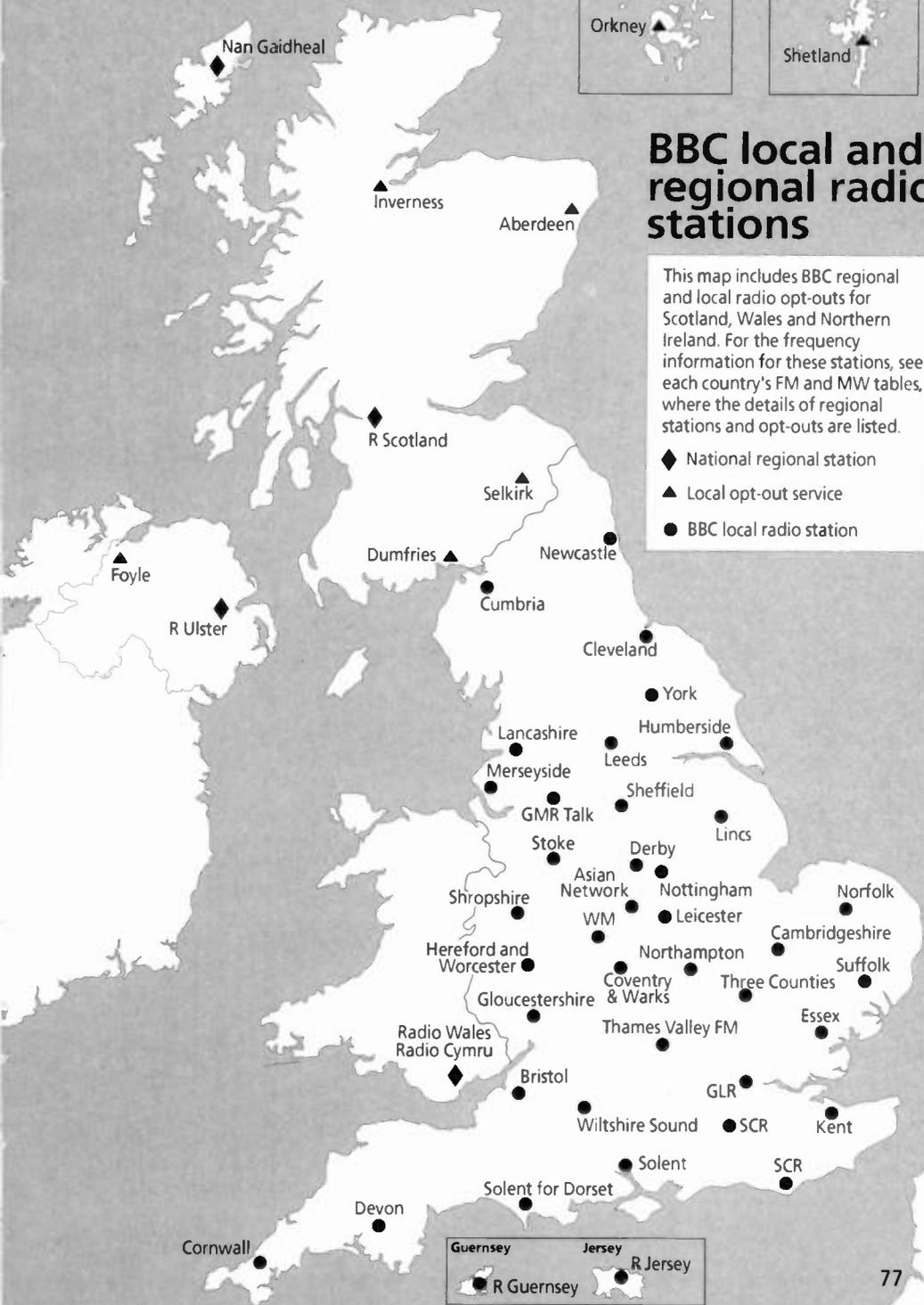
station	transmitter	MW	Power kW (EMRP)	FM	POL	POWER kW (Max ERP)
<b>Asian Network</b>	Sedgley	<b>828</b>	0.200	-		
	Freemen's Common	<b>837</b>	0.500	-		
	Langley Mill	<b>1458</b>	5.000	-		
<b>BBC Essex</b>	South Benfleet	-		<b>95.3</b>	M	1.200
	Great Braxted	-		<b>103.5</b>	M	12.000
	Manningtree	<b>729</b>	0.200	-		
	Chelmsford	<b>765</b>	0.500	-		
	Southend	<b>1530</b>	0.150	-		
<b>Bristol &amp; Somerset Sound</b>	Ilchester Crescent	-		<b>94.9</b>	M	0.950
	Mendip	-		<b>95.5</b>	M	9.000
	Bath	-		<b>104.6</b>	M	0.082
	Taunton	<b>1323</b>	0.630	-		
	Mangotsfield	<b>1548</b>	5.000	-		
<b>Cambridgeshire</b>	Peterborough	-		<b>95.7</b>	M	5.100
	Cambridge	-		<b>96</b>	M	1.000
	Cambridge(Chesterton Fen)	<b>1026</b>	0.500	-		
<b>Cleveland</b>	Gunthorpe	<b>1449</b>	0.150	-		
	Bilsdale	-		<b>95</b>	M	10.000
	Whitby	-		<b>95.8</b>	M	0.100
<b>Cornwall</b>	Caradon Hill	-		<b>95.2</b>	M	4.300
	Isles of Scilly	-		<b>96</b>	M	0.060
	Redruth	-		<b>103.9</b>	M	18.000
	Redruth (MF)	<b>630</b>	2.000	-		
	Bodmin	<b>657</b>	0.500	-		
<b>Coventry and Warwickshire</b>	Meriden	-		<b>94.8</b>	M	2.200
	Lark Stoke	-		<b>103.7</b>	M	1.400
	Nuneaton	-		<b>104</b>	V	0.050
	Kendal	-		<b>95.2</b>	M	0.100
<b>Cumbria</b>	Sandale	-		<b>95.6</b>	M	15.000
	Morecambe Bay	-		<b>96.1</b>	M	3.200
	Whitehaven (FM)	-		<b>104.1</b>	V	1.000
	Windermere	-		<b>104.2</b>	M	0.065
	Carlisle	<b>756</b>	1.000	-		
	Barrow	<b>837</b>	1.000	-		
	Whitehaven (MF)	<b>1458</b>	0.500	-		
	Stanton Moor	-		<b>95.3</b>	M	1.200
<b>Derby</b>	Drum Hill	-		<b>104.5</b>	M	5.000
	Burnaston Lane	<b>1116</b>	1.000	-		
<b>Devon</b>	Huntshaw Cross	-		<b>94.8</b>	M	0.675
	Exeter (St Thomas)	-		<b>95.8</b>	M	0.400
	Okehampton	-		<b>96</b>	M	0.070
	North Hessary Tor	-		<b>103.4</b>	M	15.000
	Barnstaple	<b>801</b>	2.000	-		
	Plymouth	<b>855</b>	1.000	-		
	Exeter	<b>990</b>	1.000	-		
	Torbay	<b>1458</b>	2.000	-		
<b>Gloucestershire</b>	Stroud	-		<b>95</b>	M	0.100
	Cirencester	-		<b>95.8</b>	V	0.080
	Churchdown Hill	-		<b>104.7</b>	M	2.000
<b>GLR</b>	Crystal Palace	-		<b>94.9</b>	M	4.000
<b>GMR Talk</b>	Holme Moss	-		<b>95.1</b>	M	5.600
	Saddleworth	-		<b>104.6</b>	V	0.100



# BBC local and regional radio stations

This map includes BBC regional and local radio opt-outs for Scotland, Wales and Northern Ireland. For the frequency information for these stations, see each country's FM and MW tables, where the details of regional stations and opt-outs are listed.

- ◆ National regional station
- ▲ Local opt-out service
- BBC local radio station



# BBC local radio

station	transmitter	MW	Power kW (EMRP)	FM	POL	POWER kW (Max ERP)
<b>Guernsey</b>	Les Touillets	-	-	<b>93.2</b>	M	1.000
	Guernsey (Rohais)	<b>1116</b>	0.500	-	-	-
<b>Hereford/Worcs</b>	Ridge Hill	-	-	<b>94.7</b>	M	2.000
	Great Malvern	-	-	<b>104</b>	M	2.000
	Kidderminster	-	-	<b>104.6</b>	M	0.500
	Worcester	<b>738</b>	0.037	-	-	-
<b>Humberside</b>	High Hunsley	-	-	<b>95.9</b>	M	9.600
	Hull	<b>1485</b>	2.000	-	-	-
<b>Jersey</b>	Les Platons	-	-	<b>88.8</b>	M	3.800
	Jersey (Trinity)	<b>1026</b>	1.000	-	-	-
<b>Kent</b>	Wrotham	-	-	<b>96.7</b>	M	8.700
	Folkestone	-	-	<b>97.6</b>	V	0.100
	Swingate	-	-	<b>104.2</b>	M	10.000
	Littlebourne	<b>774</b>	0.700	-	-	-
	Rusthall	<b>1602</b>	0.250	-	-	-
<b>Lancashire</b>	Hameldon Hill	-	-	<b>95.5</b>	M	1.600
	Winter Hill	-	-	<b>103.9</b>	M	2.000
	Lancaster	-	-	<b>104.5</b>	M	2.000
	Preston	<b>855</b>	1.000	-	-	-
	Oxcliffe	<b>1557</b>	0.250	-	-	-
<b>Leeds</b>	Holme Moss	-	-	<b>92.4</b>	M	5.600
	Luddenden	-	-	<b>95.3</b>	V	0.083
	Wharfedale	-	-	<b>95.3</b>	M	0.040
	Keighley	-	-	<b>102.7</b>	V	0.500
	Beecroft Hill	-	-	<b>103.9</b>	V	0.100
	Farnley	<b>774</b>	0.500	-	-	-
<b>Leicester</b>	Copt Oak	-	-	<b>104.9</b>	M	8.000
	Belmont	-	-	<b>94.9</b>	M	6.000
<b>Lincolnshire</b>	Grantham	-	-	<b>104.7</b>	V	0.035
	Lincoln (Swan Pool)	<b>1368</b>	2.000	-	-	-
<b>Merseyside</b>	Allerton Park	-	-	<b>95.8</b>	M	8.000
	Wallasey	<b>1485</b>	2.000	-	-	-
<b>Newcastle</b>	Pontop Pike	-	-	<b>95.4</b>	M	10.000
	Chatton	-	-	<b>96</b>	M	5.600
	Fenham	-	-	<b>104.4</b>	V	0.042
	Newcastle (Wrekenton)	<b>1458</b>	2.000	-	-	-
<b>Norfolk</b>	Tacolneston	-	-	<b>95.1</b>	M	5.700
	Gt. Massingham	-	-	<b>104.4</b>	M	4.200
	Postwick	<b>855</b>	1.500	-	-	-
	West Lynn	<b>873</b>	0.300	-	-	-
<b>Northampton</b>	Geddington	-	-	<b>103.6</b>	M	0.800
	Northampton	-	-	<b>104.2</b>	M	4.000
<b>Nottingham</b>	Mansfield (Fishponds Hill)	-	-	<b>95.5</b>	M	2.000
	Mapperley Ridge	-	-	<b>103.8</b>	M	1.000
	Clipstone	<b>1584</b>	1.000	-	-	-
<b>SCR</b>	Newhaven	-	-	<b>95</b>	M	0.100
	Horsham	-	-	<b>95.1</b>	M	0.040
	Brighton (Whitehawk Hill)	-	-	<b>95.3</b>	M	1.200
	Reigate	-	-	<b>104</b>	M	3.800
	Heathfield	-	-	<b>104.5</b>	M	10.000
	Guildford	-	-	<b>104.6</b>	M	3.000
	Burton Down	-	-	<b>104.8</b>	V	2.000

station	transmitter	MW	Power kW (EMRP)	FM	POL	POWER kW (Max ERP)
	Bexhill	<b>1161</b>	1.000	-		
	Duxhurst	<b>1368</b>	0.500	-		
	Brighton	<b>1485</b>	1.000	-		
<b>Sheffield</b>	Sheffield	-	-	<b>88.6</b>	M	0.160
	Chesterfield	-	-	<b>94.7</b>	V	0.400
	Holme Moss	-	-	<b>104.1</b>	M	4.400
	Sheffield (MF)	<b>1035</b>	1.000	-		
<b>Shropshire</b>	Ludlow	-	-	<b>95</b>	M	0.010
	The Wrekin	-	-	<b>96</b>	M	4.800
	Woofferton	<b>1584</b>	0.300	-		
<b>Solent</b>	Rowridge	-	-	<b>96.1</b>	M	10.000
	Fareham	<b>999</b>	1.000	-		
	Bournemouth	<b>1359</b>	0.850	-		
<b>Solent for Dorset Stoke</b>	Bincombe Hill	-	-	<b>103.8</b>	V	0.500
	Alsagers Bank	-	-	<b>94.6</b>	M	6.100
	Stafford	-	-	<b>104.1</b>	V	0.075
	Sideway	<b>1503</b>	1.000	-		
<b>Suffolk</b>	Lowestoft	-	-	<b>95.5</b>	V	0.050
	Manningtree	-	-	<b>103.9</b>	M	5.000
	Gt Barton	-	-	<b>104.6</b>	M	2.000
<b>Thames Valley FM</b>	Henley	-	-	<b>94.6</b>	M	0.250
	Oxford	-	-	<b>95.2</b>	M	5.800
	Windsor	-	-	<b>95.4</b>	V	0.500
	Hannington	-	-	<b>104.1</b>	M	3.000
	Reading (Fountain House)	-	-	<b>104.4</b>	M	1.000
<b>Three Counties</b>	Sandy Heath	-	-	<b>95.5</b>	M	1.000
	Zouches Farm	-	-	<b>103.8</b>	M	0.500
	Bow Brickhill	-	-	<b>104.5</b>	M	2.200
	Luton (Lewsey Farm)	<b>630</b>	0.200	-		
	Bedford	<b>1161</b>	0.100	-		
<b>Wiltshire Sound</b>	Newton Barrow	-	-	<b>103.5</b>	V	1.000
	Blunsdon	-	-	<b>103.6</b>	M	0.500
	Naish Hill	-	-	<b>104.3</b>	M	0.600
	Marlborough	-	-	<b>104.9</b>	V	0.100
	Lacock	<b>1332</b>	0.300	-		
	Swindon	<b>1368</b>	0.100	-		
<b>WM</b>	Sutton Coldfield	-	-	<b>95.6</b>	M	11.000
<b>York</b>	Olver's Mount	-	-	<b>95.5</b>	M	0.250
	Aklam Wold	-	-	<b>103.7</b>	V	2.000
	Woolmoor	-	-	<b>104.3</b>	V	0.500
	Fulford (York)	<b>666</b>	0.500	-		
	Scarborough	<b>1260</b>	0.500	-		

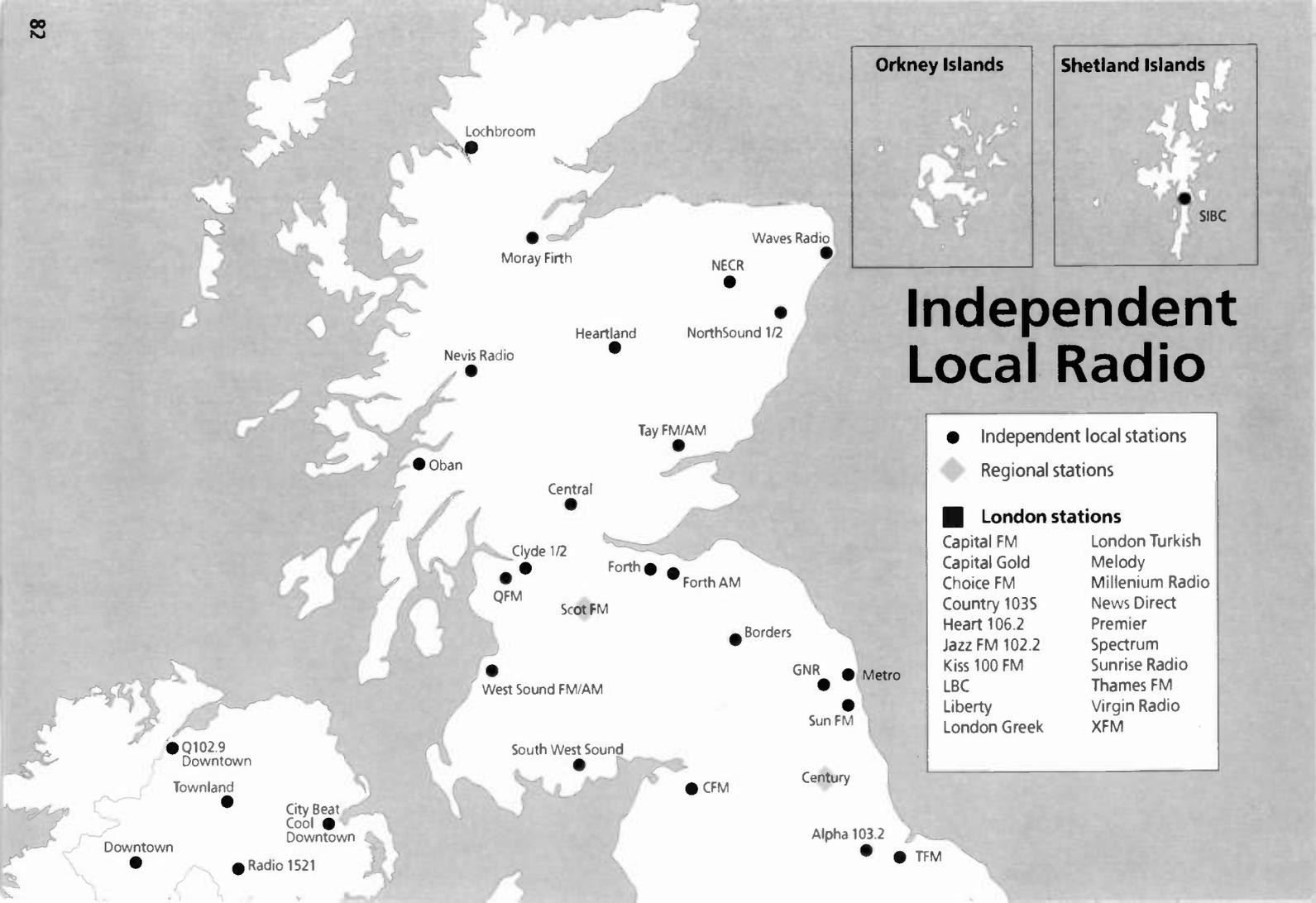
\* stations, transmitters or frequencies marked with an asterisk (\*) are proposed, but are not yet in service

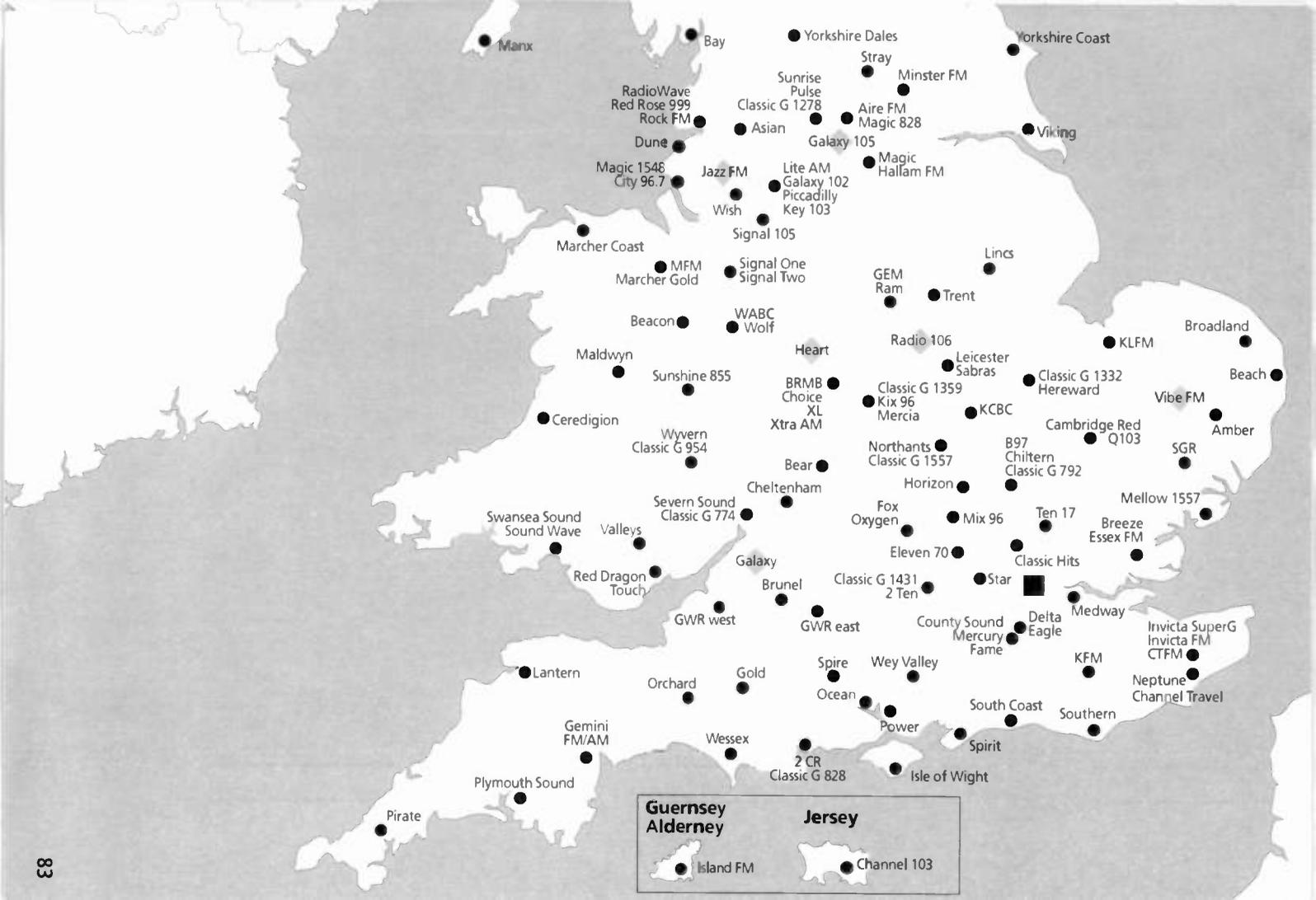
**Local opt-out stations.** In Scotland, Wales, and Northern Ireland, BBC National services sometimes broadcast local information. For details about these 'local' opt out services, see the respective FM national sections.

emrp - effective mean radiated power, erp h - effective radiated power horizontally polarized, erp v - effective radiated power vertically polarized, TA - a TA in this column indicates that the station broadcasts RDS Traffic Announcements. Stations, transmitters or frequencies marked with an asterisk (\*) were proposed, but were not in service at time of publication.

station	coverage area	transmitter	MW	emrp	FM	erp h	erp v	TA	information
<b>2-Ten FM</b>	Reading	Broad Street Mall	-	-	<b>97.0</b>	0.100	0.400		hits
	Basingstoke/Andover	Hannington	-	-	<b>102.9</b>	2.000	2.000		
	Henley	Henley	-	-	<b>103.4</b>	0.050	0.050		
<b>2CR FM</b>	Bournemouth	Nine Barrow Down	-	-	<b>102.3</b>	0.400	1.600		chart hits
<b>Aire FM</b>	Leeds	Morley	-	-	<b>96.3</b>	0.500	0.500		recent hits
<b>Alpha 103.2</b>	Darlington	Darlington	-	-	<b>103.2</b>	0.200	0.200		classic hits
<b>Amber</b>	Gt Yarmouth/Norwich	Brundall	<b>1152</b>	0.830	-	-	-		hits/easy listening
	Ipswich	Foxhall Heath	<b>1170</b>	0.280	-	-	-		
	Bury St. Edmunds	Great Barton	<b>1251</b>	0.760	-	-	-		
<b>Arrow FM*</b>	Hastings								due early 1998
<b>Asian Sound</b>	East Lancs	Haslingden	<b>963</b>	0.200	-	-	-		
<b>Asian Sound 897</b>	East Lancs	Ashton Moss	<b>1377</b>	0.080	-	-	-		Asian music/news
	Bedford	Sandy Heath	-	-	<b>96.9</b>	0.450	0.450		classic hits
<b>Bay (The)</b>	Morecambe Bay	Morecambe Bay	-	-	<b>96.9</b>	1.600	1.600	TA	
	Windermere	Windermere	-	-	<b>102.3</b>	0.008	0.032	TA	
	Kendal	Kendal	-	-	<b>103.2</b>	0.050	0.050	TA	contemporary music
<b>Beach (The) Beacon</b>	Lowestoft/Gt Yarmouth	Lowestoft	-	-	<b>103.4</b>	1.000	1.000		personality radio, hits
	Wolverhampton	Turners Hill	-	-	<b>97.2</b>	1.000	1.000	TA	
<b>Bear (The) Borders</b>	Shrewsbury	The Wrekin	-	-	<b>103.1</b>	1.350	1.350	TA	recent hits
	Stratford	Lark Stoke	-	-	<b>102.0</b>	1.500	1.500		classic/contemporary
	Selkirk	Selkirk	-	-	<b>96.8</b>	0.000	5.000		
<b>Breeze</b>	Berwick-upon-Tweed	Berwick-upon-Tweed	-	-	<b>97.5</b>	0.000	0.010		chart/classic hits
	Peebles	Peebles	-	-	<b>103.1</b>	0.035	0.035		
	Eyemouth	Eyemouth	-	-	<b>103.4</b>	0.000	0.500		
	Chelmsford	Bakers Wood	<b>1359</b>	0.280	-	-	-		easy listening
<b>BRMB</b>	Southend	Rayleigh	<b>1431</b>	0.350	-	-	-		
	Birmingham	Sutton Coldfield	-	-	<b>96.4</b>	5.000	5.000	TA	recent hits
<b>Broadland</b>	Norwich/Gt Yarmouth	Stoke Holy Cross	-	-	<b>102.4</b>	1.650	1.650		adult contemporary
<b>Brunel Classic Gold</b>	West Wiltshire	Naish Hill	<b>936</b>	0.180	-	-	-		
	Swindon	Blunson	<b>1161</b>	0.160	-	-	-		hits/country music
	Bristol	Mangotsfield	<b>1260</b>	1.600	-	-	-		
<b>Cambridge Red*</b>	Cambridge	Lime Kiln Hill	-	-	<b>107.9</b>	-	0.100		due Dec 97
<b>Capital FM</b>	London	Croydon	-	-	<b>95.8</b>	2.000	2.000	TA	chart hits
<b>Capital Gold</b>	London	Saffron Green	<b>1548</b>	97.500	-	-	-		oldies
<b>Central FM</b>	Stirling	Earls Hill	-	-	<b>103.1</b>	0.250	0.250		hits/oldies
<b>Century FM</b>	Fenham	Fenham	-	-	<b>96.2</b>	0.000	0.050	TA	music/speech
	Hexham	Newton	-	-	<b>96.4</b>	0.100	0.100	TA	

station	coverage area	transmitter	MW	erp	FM	erp h	erp v	TA	information
Ceredigion	North East/Bilsdale	Bilsdale	-	-	100.7	4.450	4.450	TA	
	North East/Burnhope	Burnhope	-	-	101.8	5.000	5.000	TA	
	Lampeter	Mynydd Pencarreg	-	-	96.6	0.200	0.200		
	Cardigan Bay	Penwaun	-	-	97.4	0.200	0.200		
CFM	Aberystwyth	Blaen Plwyf	-	-	103.3	1.200	4.600		community stn
	Carlisle	Caldbeck	-	-	96.4	0.250	1.000		recent/classic hits
	West Cumbria	Broughton Moor	-	-	102.2	0.320	0.500		
	Penrith	Penrith	-	-	102.5	0.050	0.050		
	W Cumbria/Whitehaven	Whitehaven	-	-	103.4	0.200	0.200		
Channel 103 FM	Jersey	Fremont Point	-	-	103.7	2.000	2.000		classic hits
Channel Travel	M20/Channel ports	M20/Channel ports	-	-	107.6	-	0.025		music/travel service
Cheltenham	Cheltenham	Cheltenham Racecourse	603	0.100	-	-	-		classic rock
Chiltern FM	Luton/Dunstable	Dunstable	-	-	97.6	0.500	0.500		classic hits
Choice FM Birmingham	Birmingham	Metropolitan House	-	-	102.2	0.000	0.500		soul/dance/reggae
Choice FM London	Brixton	Croydon	-	-	96.9	0.014	0.036	TA	soul/dance/reggae
City 96.7 FM	Liverpool	Allerton Park	-	-	96.7	4.100	4.100	TA	pop/rock
City Beat 96.7	Belfast	Black Mountain	-	-	96.7	0.250	0.300	TA	recent hits
Classic Gold 1278/1530	Bradford	Tyersal Lane	1278	0.430	-	-	-		
	Huddersfield/Halifax	Vicars Lot	1530	0.740	-	-	-		
Classic Gold 1332	Peterborough	Gunthorpe	1332	0.600	-	-	-		classic gold
Classic Gold 1359	Coventry	Shilton	1359	0.270	-	-	-		classic gold
Classic Gold 1431/1485	Reading	Manor Farm	1431	0.140	-	-	-		classic gold
	Newbury	Washwater	1485	1.000	-	-	-		
Classic Gold 1557	Northampton	Kings Heath	1557	0.760	-	-	-		
Classic Gold 774	Gloucester & Cheltenham	Little Shurdington	774	0.140	-	-	-		oldies
Classic Gold 792/828	Bedford	Kempston	792	0.275	-	-	-		oldies
	Luton	Lewsey Farm	828	0.200	-	-	-		oldies
Classic Gold 828	Bournemouth	Fern Barrow	828	0.270	-	-	-		classic gold
Classic Gold 954/1530	Hereford	Breinton	954	0.160	-	-	-		quality music/sport
	Worcester	Cotheridge	1530	0.520	-	-	-		
Classic Hits	St Albans/Watford	Pimlico	-	-	96.6	0.250	0.250		hits
Clyde 1	Vale of Leven	Millburn Muir	-	-	97.0	0.025	0.025	TA	
	Glasgow	Black Hill	-	-	102.5	5.000	10.000	TA	recent pop music
	Rosneath	Rosneath	-	-	103.3	0.050	0.050	TA	
Clyde 2	Glasgow	Dechmont Hill	1152	3.600	-	-	-		easy listening
Cool FM	Belfast	Black Mountain	-	-	97.4	1.300	1.900	TA	adult rock, pop
Country 1035	London	Crystal Palace	1035	1.000	-	-	-		country music
County Sound	Guildford	Peasmarsh	1476	0.500	-	-	-		adult contemporary
Crash FM*	Liverpool	nk	-	-	107.6	-	-		due Spring 98, rock/dance
CTFM	Canterbury	Canterbury	-	-	106.0	0.000	0.100		community station
Delta Radio	Haslemere	Haslemere	-	-	97.1	0.025	0.250		adult music
Downtown	Limavady	Limavady	-	-	96.4	1.000	1.000	TA	





station	coverage area	transmitter	MW	emp	FM	erp h	erp v	TA	information
	Enniskillen	Brougher Mountain	-		<b>96.6</b>	4.100	4.100	TA	chart/classic hits
	Londonderry	Londonderry	-		<b>102.4</b>	5.000	5.000	TA	
	South Newry	Camlough	-		<b>103.1</b>	1.000	1.000	TA	
	Belfast	Knock-Breckan	<b>1026</b>	1.700	-				
<b>Dune FM</b>	Southport	Gaw Hill	-		<b>107.9</b>	0.000	0.100		adult contemporary
<b>Eagle</b>	Guildford	Guildford	-		<b>96.4</b>	1.500	1.500		adult contemporary
<b>Easy 107*</b>	Eastbourne								due 1998
<b>Eleven Seventy</b>	High Wycombe	Wycombe Marsh	<b>1170</b>	0.150	-				easy listening
<b>Essex FM</b>	Southend	Benfleet	-		<b>96.3</b>	0.400	0.630	TA	
	Chelmsford	Bakers Wood	-		<b>102.6</b>	1.000	1.000	TA	recent/classic hits
<b>Fame 1521</b>	Reigate/Crawley	Gatwick	<b>1521</b>	0.640	-				oldies
<b>Forth AM</b>	Edinburgh	Colinswell	<b>1548</b>	2.200	-				hits/Scottish music
<b>Forth FM</b>	Edinburgh	Craigkelly	-		<b>97.3</b>	3.000	3.900		
	Edinburgh	Black Hill	-		<b>97.6</b>	0.000	0.100		chart/classic hits
<b>Fox FM</b>	Banbury	Farthinghoe	-		<b>97.4</b>	0.150	0.150	TA	classic hits
	Oxford	Oxford	-		<b>102.6</b>	4.500	4.500	TA	
<b>Galaxy</b>	Bristol	Pur Down	-		<b>97.2</b>	0.100	0.100	TA	
	Severn Estuary	Mendip	-		<b>101.0</b>	20.000	20.000	TA	dance/soul/reggae
<b>Galaxy 102</b>	Manchester	Sunley Building	-		<b>102.0</b>	0.000	0.500	TA	dance
<b>Galaxy 105</b>	Yorkshire	Emley Moor	-		<b>105.1</b>	0.520	2.060	TA	dance
	Bradford	Idle	-		<b>105.6</b>	0.250	0.250	TA	
	Sheffield	Tapton Hill	-		<b>105.6</b>	0.125	0.125	TA	
	Hull	High Hunsley	-		<b>105.8</b>	5.000	4.400	TA	
<b>GEM-AM</b>	Derby	Quarndon	<b>945</b>	0.200	-				classic hits
	Nottingham	Trowell	<b>999</b>	0.250	-				
<b>Gemini AM</b>	Exeter	Pearce's Hill	<b>666</b>	0.340	-				classic hits
	Torbay	Beacon Hill	<b>954</b>	0.400	-				
<b>Gemini FM</b>	Torbay	Beacon Hill	-		<b>96.4</b>	0.200	0.800	TA	
	Exeter	St Thomas	-		<b>97.0</b>	0.500	0.500	TA	
	East Devon	Stockland Hill	-		<b>103.0</b>	0.500	0.500	TA	current hits
<b>GNR</b>	Tyne & Wear	Greenside	<b>1152</b>	1.800	-				classic hits
	Teesside	Stockton	<b>1170</b>	0.320	-				
<b>Gold Radio</b>	Shaftesbury	Shaftesbury	-		<b>97.4</b>	0.030	0.100		classic hits
<b>GWR FM (East)</b>	Marlborough	Marlborough	-		<b>96.5</b>	0.020	0.030		
	Swindon	Blunsdon	-		<b>97.2</b>	0.350	0.350		recent hits/oldies
	West Wilts	Naish Hill	-		<b>102.2</b>	0.250	0.250		
<b>GWR FM (West)</b>	Bristol	Dundry	-		<b>96.3</b>	1.000	1.000		
	Bath	Bath	-		<b>103.0</b>	0.040	0.040		recent hits/oldies
<b>Hallam FM</b>	Sheffield	Tapton Hill	-		<b>97.4</b>	0.200	0.200	TA	
	Barnsley	Ardsley	-		<b>102.9</b>	0.250	0.250	TA	chart/recent hits
	Doncaster	Clifton	-		<b>103.4</b>	0.500	1.000	TA	
<b>Heart 106.2</b>	London	Croydon	-		<b>106.2</b>	2.000	2.000	TA	adult contemporary

station	coverage area	transmitter	MW	erp	FM	erp h	erp v	TA	information
<b>Heart FM</b>	West Midlands	Sutton Coldfield	-	-	<b>100.7</b>	5.500	5.500	TA	adult contemporary
<b>Heartland FM</b>	Pitlochry/Aberfeldy	Faire Mhor	-	-	<b>97.5</b>	0.000	0.115		Scottish/Gaelic
<b>Hereward FM</b>	Peterborough	Gunthorpe	-	-	<b>102.7</b>	2.000	2.000		recent/classic hits
<b>Horizon FM103</b>	Milton Keynes	Bow Brickhill	-	-	<b>103.3</b>	1.000	1.000		adult contemporary
<b>Huddersfield FM*</b>	Huddersfield	Fixby Ridge	-	-	<b>107.9</b>	-	0.100		due Mar 98 - news, music 50s-90s
<b>Invicta FM</b>	East Kent	Thanet	-	-	<b>95.9</b>	0.135	0.135	TA	
	Ashford	Wye	-	-	<b>96.1</b>	0.100	0.125	TA	
	East Kent	Dover	-	-	<b>97.0</b>	0.250	0.250	TA	
	Canterbury	Dunkirk	-	-	<b>102.8</b>	0.500	0.500	TA	
	Maidstone	Bluebell Hill	-	-	<b>103.1</b>	2.000	2.000	TA	recent hits
<b>Invicta SuperGold</b>	East Kent	Littlebourne	<b>603</b>	0.100	-	-	-		
	Maidstone	Hoo St Werburgh	<b>1242</b>	0.320	-	-	-		classic hits
<b>Island FM</b>	Alderney	Fort Albert	-	-	<b>93.7</b>	0.000	0.010		classic/tuneful hits
	Guernsey	Les Touillets	-	-	<b>104.7</b>	0.250	1.000		
<b>Isle of Wight</b>	Isle of Wight	Bridlesford Farm	<b>1242</b>	0.500	-	-	-		recent/classic hits
<b>Isles FM*</b>	Western Isles	Eitshal	-	-	<b>103.0</b>	-	-		due 1998
<b>Jazz FM 100.4</b>	NW England	Winter Hill	-	-	<b>100.4</b>	2.500	2.500	TA	jazz/blues/soul
<b>Jazz FM 102.2</b>	London	Croydon	-	-	<b>102.2</b>	1.000	1.000	TA	jazz
<b>KCBC</b>	Kettering	Kettering	<b>1584</b>	0.045	-	-	-		classic gold
<b>Kestrel FM*</b>	Basingstoke								due 1998
<b>Key 103</b>	Manchester	Saddleworth	-	-	<b>103.0</b>	2.000	2.000	TA	chart
<b>KFM</b>	Tonbridge (South)	Tunbridge Wells	-	-	<b>96.2</b>	0.040	0.150		adult contemporary
	Sevenoaks	Wrotham	-	-	<b>101.6</b>	0.200	0.200		
<b>Kiss 100 FM</b>	London	Croydon	-	-	<b>100.0</b>	1.000	1.000		dance
<b>Kix 96</b>	Coventry	Coventry City Centre	-	-	<b>96.2</b>	0.020	0.080	TA	music
<b>KLFM</b>	Kings Lynn	Great Massingham	-	-	<b>96.7</b>	0.500	2.100		recent/classic hits
<b>Lantern</b>	Barnstaple	Huntshaw Cross	-	-	<b>96.2</b>	0.500	2.000		gen entertainment
<b>LBC</b>	London	Saffron Green	<b>1152</b>	23.500	-	-	-		comment/debate
<b>Leicester Sound</b>	Leicester	Billesdon	-	-	<b>105.4</b>	1.000	4.000	TA	recent hits
<b>Liberty</b>	West London	Glade Lane	<b>963</b>	0.070	-	-	-		womens station
	London	Lea Bridge Road	<b>963</b>	0.950	-	-	-		
<b>Lincs FM</b>	Grantham	Grantham	-	-	<b>96.7</b>	0.000	0.050	TA	recent hits
	Lincoln	Belmont	-	-	<b>102.2</b>	3.200	3.200		
<b>Lite AM</b>	Manchester	Ashton Moss	<b>1458</b>	5.000	-	-	-		easy listening
<b>Lochbroom</b>	Ullapool	BBC Ullapool	-	-	<b>102.2</b>	0.000	0.700		community station
<b>London Greek Radio</b>	London/Haringey	Alexandra Palace	-	-	<b>103.3</b>	0.000	0.050		music and news
<b>London Turkish</b>	London/Hackney	Lea Bridge Road	<b>1584</b>	0.200	-	-	-		Turkish station
<b>Magic</b>	Doncaster	Crimpsall	<b>990</b>	0.250	-	-	-		
	Humberside	Goxhill	<b>1161</b>	0.350	-	-	-		
	Barnsley	Ardsley	<b>1305</b>	0.150	-	-	-		classic hits
	Sheffield/Rotherham	Skew Hill	<b>1548</b>	0.740	-	-	-		
<b>Magic 1548</b>	Liverpool	Bebington	<b>1548</b>	1.000	-	-	-		classic gold

station	coverage area	transmitter	MW	emp	FM	erp h	erp v	TA	information
<b>Magic 828</b>	Leeds	Morley	<b>828</b>	0.120	-				oldies
<b>Maldwyn</b>	Montgomeryshire	Newtown	<b>756</b>	0.630	-				bilingual community
<b>Manx</b>	Snaefell	Snaefell	-		<b>89.0</b>	1.000	1.000		
	Douglas	Douglas	-		<b>97.2</b>	11.500	11.500		general ent
	Jurby	Jurby	-		<b>103.7</b>	2.000	2.000		
	Foxdale	Foxdale	<b>1368</b>	20.000	-				
<b>Marcher Coast FM</b>	North Wales	Great Ormes Head	-		<b>96.3</b>	0.250	1.000		hits/Welsh progs
<b>Marcher Gold</b>	Wrexham/Deeside	Farndon	<b>1260</b>	0.640	-				hits/Welsh language
<b>Medway FM</b>	Medway(Chatham)	Gillingham	-		<b>100.4</b>	0.025	0.025		70s,80s,90s music
	Medway	Hoo St Werburgh	-		<b>107.9</b>	0.050	0.050		
<b>Mellow 1557</b>	Tendring	Telstar Nurseries	<b>1557</b>	0.125	-				adult pop/rock
<b>Melody</b>	London	Croydon	-		<b>105.4</b>	2.000	2.000		easy listening
<b>Mercia FM</b>	Coventry	Shilton	-		<b>97.0</b>	1.000	1.000		
	Leamington Spa	Leamington Spa	-		<b>102.9</b>	0.025	0.025		recent hits
<b>Mercury FM</b>	Horsham	Horsham	-		<b>97.5</b>	0.015	0.015		current/classic hits
	Reigate/Crawley	Reigate	-		<b>102.7</b>	2.200	1.400		
<b>Metro FM</b>	Tyne & Wear	Burnhope	-		<b>97.1</b>	4.000	6.000	TA	chart/recent music
	Tyne Tunnel	Tyne Tunnel	-		<b>97.1</b>	-	-	TA	
	Alnwick	Shilbottle	-		<b>102.6</b>	0.100	0.100	TA	
	Tyne Valley	Fenham	-		<b>103.0</b>	0.000	0.050	TA	
	Hexham	Newton	-		<b>103.2</b>	0.020	0.100	TA	
<b>MFM</b>	Deeside	Moel-y-Parc	-		<b>97.1</b>	0.150	0.150		chart music
	Wrexham	Wrexham	-		<b>103.4</b>	0.700	0.700		
<b>Millenium Radio</b>	Thamesmead	Shooters Hill	-		<b>106.8</b>	0.040	0.050		formerly RTM - Radio Thamesmead
<b>Minster FM</b>	Thirsk	Calvert's Carpets	-		<b>102.3</b>	0.000	0.044	TA	
	York	Ackiam Wold	-		<b>104.7</b>	0.500	2.000	TA	hits
<b>Mix 96</b>	Aylesbury	Quanton Hill	-		<b>96.2</b>	0.500	0.500		classic hits
<b>Moray Firth Radio</b>	Speyside	Cairn Gorm	-		<b>96.6</b>	0.225	0.225		
	Fraserburgh	Mormond Hill	-		<b>96.7</b>	0.050	0.050		
	Inverness	Mounteagle	-		<b>97.4</b>	2.000	8.000		hits/Scottish music
	Caithness	Ben Dorreary	-		<b>102.5</b>	0.600	0.600		
	Keith	Tor Sliag	-		<b>102.8</b>	0.440	0.560		
	Inverness	Tarbat Ness	<b>1107</b>	1.500	-				
<b>NECR</b>	Inverurie	Meldrum	-		<b>102.1</b>	0.250	1.000		classic hits
	Kildrummy	Scar Hill	-		<b>102.6</b>	0.000	0.300		
	Colpy	Hill of Foundland	-		<b>103.2</b>	0.000	0.300		
<b>Neptune Radio</b>	Folkestone	Creteway Down	-		<b>96.4</b>	0.000	0.100		
	Dover	Guston	-		<b>106.8</b>	0.000	0.100		news/music/info
<b>Nevis Radio</b>	Fort William	Trislaig	-		<b>96.6</b>	0.150	0.300		community stn
	Glencoe	Glencoe	-		<b>97.0</b>	0.000	0.250		
	Fort William	Cnoc Malagan	-		<b>102.3</b>	0.000	0.800		
	Loch Leven	Glenachulish	-		<b>102.4</b>	0.800	0.800		

station	coverage area	transmitter	MW	emp	FM	erp h	erp v	TA	information
<b>News Direct 97.3 FM</b>	London	Croydon	-		97.3	2.000	2.000	TA	news/info
<b>Northants 96</b>	Northampton	Northampton	-		96.6	2.000	2.000		recent hits
<b>NorthSound One</b>	Aberdeen	Durrus	-		96.9	0.000	10.000	TA	contemporary hits
	Aberdeen	Balgownie	-		97.6	0.000	0.025	TA	
	Peterhead	Stirling Hill	-		103.0	0.000	0.174	TA	
<b>NorthSound Two</b>	Aberdeen	Nigg	1035	0.780	-				classic memories
<b>Oban FM</b>	Oban	Pulpit Hill	-		103.3	0.125	0.190		info/music
<b>Ocean FM</b>	Winchester	Crabwood Farm	-		96.7	0.250	0.250		classic hits
	Portsmouth	Fort Widley	-		97.5	0.425	0.425		
<b>Orchard FM</b>	Taunton	Taunton	-		96.5	0.025	0.050		
	Yeovil	Cheddington	-		97.1	0.200	0.200		classic hits
	Somerset	Mendip	-		102.6	2.000	2.000		
<b>Oxygen</b>	Oxford	Westgate Centre	-		107.9	0.000	0.100		student station
<b>Piccadilly 1152</b>	Manchester	Ashton Moss	1152	1.500	-				oldies
<b>Pirate FM</b>	East Cornwall	Caradon Hill	-		102.2	0.500	2.000		recent hits
	West Cornwall	Redruth	-		102.8	2.000	8.200		
<b>Plymouth Sound AM</b>	Plymouth	Plumer Barracks	1152	0.320	-				pop/specialist music
<b>Plymouth Sound FM</b>	Tavistock	Tavistock	-		96.6	0.020	0.020		
	Plymouth	Plympton	-		97.0	1.000	1.000		
<b>Power FM</b>	Southampton	Chillerton Down	-		103.2	1.000	1.000	TA	recent hits
<b>Premier</b>	London/Enfield	Enfield Football Club	1305	0.500	-				
	London/North Loos	North Loos	1305	0.500	-				
	London	Bow	1332	1.000	-				Christian based station
	London/Dartford	Dartford Marshes	1413	0.500	-				
	London/Heathrow	Heathrow	1413	0.500	-				
<b>Pulse FM</b>	Bradford	Idle	-		97.5	0.250	0.250	TA	chart/recent hits
	Huddersfield/Halifax	Vicars Lot	-		102.5	1.000	1.000	TA	
<b>Q102.9</b>	Londonderry	Londonderry	-		102.9	3.000	4.000	TA	current/classic hits
<b>Q103</b>	Newmarket	Icewell Hill	-		97.4	0.000	0.004		recent hits/oldies
	Cambridge	Madingley	-		103.0	0.500	0.500		
<b>QFM</b>	Paisley	Gleniffer Braes	-		96.3	0.100	0.100		classic hit
<b>Radio 106</b>	East Midlands	Copt Oak	-		106.0	4.000	4.000	TA	classic/contemporary
<b>Radio 1521</b>	Craigavon	Craigavon	1521	0.500	-				contemporary music
<b>RadioWave</b>	Blackpool	Blackpool Tower	-		96.5	0.050	0.050	TA	contemporary
<b>Ram FM</b>	Derby	Quarndon	-		102.8	0.300	0.300		recent hits
<b>Red Dragon FM</b>	Newport	Christchurch	-		97.4	0.250	0.250		chart/classic hits
	Cardiff	Wenallt	-		103.2	1.000	1.000		
<b>Red Rose 999</b>	Preston/Blackpool	Longton	999	0.800	-				classic gold
<b>Rock FM</b>	Preston/Blackpool	Winter Hill	-		97.4	1.000	1.000		current/80s pop/rock
<b>Sabras Sound</b>	Leicester	Freeman's Common	1260	0.290	-				Asian station
<b>Scot FM</b>	Central Scot/Black Hill	Black Hill	-		100.3	10.000	10.000	TA	adult contemporary
	Central Scot/Craigkelly	Craigkelly	-		101.1	5.000	5.000	TA	

station	coverage area	transmitter	MW	emp	FM	erp h	erp v	TA	information
<b>Severn Sound FM</b>	Gloucester/Cheltenham	Churchdown Hill	-	-	<b>102.4</b>	1.000	1.000		recent hits
	Stroud	Stroud	-	-	<b>103.0</b>	0.050	0.050		
<b>SGR (Colchester)</b>	Colchester	Wivenhoe Park	-	-	<b>96.1</b>	0.250	0.250		adult recent music
<b>SGR FM (Bury)</b>	Bury St. Edmunds	Great Barton	-	-	<b>96.4</b>	1.000	1.000		adult recent music
<b>SGR FM (Ipswich)</b>	Ipswich	Foxhall Heath	-	-	<b>97.1</b>	1.400	2.000		adult recent music
<b>SIBC</b>	Shetland Islands	Bressay	-	-	<b>96.2</b>	0.000	4.000		music/country music
	Shetland Islands	Lerwick	-	-	<b>102.2</b>	0.000	0.025		
<b>Signal 105</b>	Congleton	Sutton Common	-	-	<b>96.4</b>	0.125	0.125		
	Stockport	Romiley	-	-	<b>104.9</b>	0.100	0.100		current music
<b>Signal One</b>	Stafford	Pye Green	-	-	<b>96.9</b>	0.100	0.100	TA	
	Stoke on Trent	Alsagers Bank	-	-	<b>102.6</b>	2.000	2.000		recent/classic hits
<b>Signal Two</b>	Stoke on Trent	Sideway	<b>1170</b>	0.200	-	-	-		oldies
<b>Solent Regional *</b>	Hants/Dorset/IOW								soft rock, due 1998
<b>Sound Wave</b>	Swansea	Kilvey Hill	-	-	<b>96.4</b>	0.460	0.920		hits
<b>South Coast (B'ton)</b>	Eastbourne	Bexhill	<b>945</b>	0.700	-	-	-		
	Brighton	Southwick	<b>1323</b>	0.500	-	-	-		oldies/easy listening
<b>South Coast (P'tsmth)</b>	Portsmouth	Farlington Marshes	<b>1170</b>	0.120	-	-	-		
	Southampton	Veals Farm	<b>1557</b>	0.500	-	-	-		
<b>South West Sound</b>	Stranraer	Cairn Pat	-	-	<b>96.5</b>	0.020	0.100		
	Dumfries	Riddings Hill	-	-	<b>97.0</b>	0.000	1.000		classic/chart
	Kirkcudbright	Cambret Hill	-	-	<b>103.0</b>	0.130	0.540		
<b>Southern FM</b>	Newhaven	Newhaven	-	-	<b>96.9</b>	0.050	0.050		
	Hastings	Hastings	-	-	<b>102.0</b>	0.100	0.100		classic hits
	Eastbourne	Heathfield	-	-	<b>102.4</b>	4.100	4.100		
	Brighton	Whitehawk Hill	-	-	<b>103.5</b>	0.450	0.450		
<b>Spectrum</b>	London	Crystal Palace	<b>558</b>	1.000	-	-	-		music/ethnic info
<b>Spire FM</b>	Salisbury	Camp Hill	-	-	<b>102.0</b>	0.250	1.000		classic hits
<b>Spirit FM</b>	Chichester	The Trundle	-	-	<b>96.6</b>	0.040	0.160	TA	
	Littlehampton	Hammerpot	-	-	<b>102.3</b>	0.210	0.270	TA	
<b>Star FM</b>	Slough	Slough	-	-	<b>106.6</b>	0.125	0.125		mellow adult mix
<b>Stray FM</b>	Harrogate	Harlow Hill	-	-	<b>97.2</b>	0.100	0.500		
<b>Sun FM</b>	Sunderland	Haining	-	-	<b>103.4</b>	0.020	0.080		classic hits
<b>Sunrise Radio (Bradford)</b>	Bradford	Idle	-	-	<b>103.2</b>	0.200	0.200		Asian/Afro-Carib.
<b>Sunrise Radio (London)</b>	London	Brookmans Park	<b>1458</b>	125.000	-	-	-		Asian/ethnic
<b>Sunshine 855</b>	Ludlow	Villa Farm	<b>855</b>	0.150	-	-	-		melodic pop
<b>Surf 107*</b>	Brighton/Hove								due 1998
<b>Swansea Sound</b>	Swansea	Winsh-wen	<b>1170</b>	0.580	-	-	-		oldies
<b>Tay AM</b>	Dundee	Greenside Scalp	<b>1161</b>	1.400	-	-	-		
	Perth	Friarton Road	<b>1584</b>	0.210	-	-	-		chart/classic
<b>Tay FM</b>	Perth	Perth	-	-	<b>96.4</b>	0.500	0.300		
	Dundee	Angus	-	-	<b>102.8</b>	1.000	4.250		chart/hits/Scottish
<b>Ten 17</b>	Harlow	Rye Hill	-	-	<b>101.7</b>	0.050	0.050	TA	recent hits/oldies

station	coverage area	transmitter	MW	emp	FM	erp h	erp v	TA	information
<b>TFM</b>	Teesside	Bilsdale	-	-	96.6	4.450	4.450	TA	chart/recent music
<b>Thames FM</b>	South West London	Tolworth Tower	-	-	107.8	0.020	0.080		pop/local news
<b>TLR (Thanet Local Radio)*</b>	Thanet	Broadstairs	-	-	107.2	-	-		due early 98
<b>Touch Radio</b>	Newport	Christchurch	1305	0.200	-	-	-		classic hits
	Cardiff	Hadfield Road	1359	0.200	-	-	-		
<b>Townland Radio</b>	Mid Ulster	Cookstown	828	0.160	-	-	-		
<b>Trent FM</b>	Nottingham	Mapperley Ridge	-	-	96.2	0.500	0.500		
	Mansfield	Fishponds Hill	-	-	96.5	0.000	0.050		recent hits
<b>Valleys Radio</b>	Eastern Valleys	Aberdare	999	0.300	-	-	-		
	Western Valleys	Ebbw Vale	1116	1.000	-	-	-		
<b>Vibe FM</b>	Cambridge	Madingley	-	-	105.6	0.500	0.500		dance, due on-air 22 Nov 97
	Norwich	Stoke Holy Cross	-	-	106.1	2.000	2.000		
	Norfolk/Suffolk	Mendlesham	-	-	106.4	10.000	10.000		
	Peterborough	Gunthorpe	-	-	107.7	0.100	0.100		
<b>Viking FM</b>	Humberside	High Hunsley	-	-	96.9	5.000	4.400	TA	chart/recent
<b>Virgin Radio</b>	London	Croydon	-	-	105.8	2.000	2.000	TA	pop/rock
<b>WABC</b>	Wolverhampton	Sedgley	990	0.090	-	-	-		easy listening
	Shrewsbury and Telford	Shrewsbury	1017	0.630	-	-	-		
<b>Waves Radio(Peterhead)*</b>	Peterhead	Mormond Hill	-	-	101.2	1.000	1.000		due Dec 1997
<b>Wessex FM</b>	West Dorset	Bridport	-	-	96.0	0.012	0.050		
	Dorchester/Weymouth	Bincombe	-	-	97.2	0.130	0.500		classic hits
<b>West Sound AM</b>	Ayr	Symington	1035	0.320	-	-	-		middle of the road
<b>West Sound FM</b>	Ayr/Darvel	Darvel	-	-	96.7	1.100	1.100		middle of the road/classic/chart
	Ayr/Girvan	Girvan	-	-	97.5	0.075	0.075		
<b>Wey Valley</b>	Alton/Four Marks	Four Marks	-	-	101.6	0.025	0.025		
	Alton	Bordon	-	-	101.6	0.005	0.005		
	Alton (Hants)	Alton	-	-	102.0	0.050	0.050		classic hits
<b>Wish</b>	Wigan	Billinge Hill	-	-	102.4	0.050	0.050	TA	classic hits
<b>Wolf</b>	Wolverhampton	Mander House	-	-	107.7	0.100	0.100		local news/info
<b>Wyvern FM</b>	Kidderminster	Kidderminster	-	-	96.7	0.050	0.050	TA	
	Hereford	Ridge Hill	-	-	97.6	0.400	0.400	TA	
	Worcester	Malvern	-	-	102.8	0.500	0.500	TA	adult contemporary
<b>XFM</b>	London	Crystal Palace	-	-	104.9	1.000	1.000		15-34 yrs, rock
<b>XL</b>	Birmingham	Langley Mill	1296	10.000	-	-	-		Asian music
<b>Xtra-AM</b>	Birmingham	Langley Mill	1152	3.000	-	-	-		classic hits
<b>Yorkshire Coast</b>	Scarborough	Olivers Mount	-	-	96.2	0.125	0.500		classic hits
	Whitby	Whitby	-	-	103.1	0.040	0.040		
<b>Yorkshire Dales</b>	Kendle	Hawes	936	1.000	-	-	-		
	Skipton	Skipton	1413	0.100	-	-	-		

\* stations marked with an asterisk were planned but not on-air at the time of publication

# Satellite Radio

**Eric Wiltsher** of The European Satellite Users Group gives this years round -up

Satellite Radio has for years, been seen as one of the most volatile areas of British Radio. Such comments are rarely heard now, as the medium matures. It is now found in many homes, is gaining popularity over short wave, and for some stations such as Virgin Radio, is even developing as a replacement to medium wave.

Virgin covers most of the country with its medium wave service, but is increasingly being listened to on satellite, where listeners can hear the station in FM quality without the interference often found on medium wave. Night time listening is particularly improved.

Satellite radio listening, or satRadio is certainly increasing, with Astra, who own the satellites that BSkyB lease time on, claiming a multi-million level of listenership to the radio services aired via their satellites. Eutelsat have also claimed high listenership figures for their satellite stations.

One of the latest additions to satRadio is EKR. European Klassic Rock, or EKR grew from an application to run a terrestrial service in the UK. The application was not successful,

so EKR took the positive step of launching their service via Astra. With names such as Dave Cash, Emperor Rosko, Mark Stafford and Keith Lewis they are now airing their brand of radio to listeners across Europe..

Long established services, like WRN and CMR who are both satellite only, have continued to go from strength-to-strength. CMR (Country Music Radio) continues to break new ground, with country fans treated to more and more CMR exclusive, or first run, programmes. I'm glad to say that CMR still hosts my speech-based MediaZoo show, which hits the airwaves every Wednesday at 8.00pm.

WRN (World Radio Network) has continued to expand its unique style of rolling news. On Astra, WRN is best described as the 'Best Of' news segments from around the world. Each segment features bulletins and documentaries from international broadcasters, many from the state sector. In short WRN is a compilation of what used to be heard only on short wave. The big difference is that now you can actually hear the broadcast without having to strain your ears, or resort to

## How does it work?

**Satellite Radio, ...I hear you ask. How do I receive that?**

It's simple; if you have satellite TV installed, you have satellite radio. Unless you are listening to one of the few subscription services it doesn't even cost any extra. You don't need any extra equipment. In fact you don't even need a radio. You just press a button on your remote handset, and there it is.

## How does it work?

Each satellite carries a number of 'transponders'. These receive signals beamed up from earth, and, after boosting the signal, send it back to earth, straight to your dish.

Each transponder has enough frequency space to carry one picture channel, and several sound channels. There are typically 16 transponders on a satellite. Unused sound channels can be used to carry radio stations.

Each transponder has a number of different subcarrier frequencies. Typical frequencies are -

7.02, 7.20, 7.38, 7.56, 7.74, 7.92, 8.10 and 8.28 MHz.

Once tuned to a transponder, you can tune through these subcarrier frequencies, in much the same way as you tune to frequencies on a normal radio.

**Alan Beech**

pouring water over an earth-stake to improve the ever fading short wave signals!

In addition to the growing number of satellite exclusive channels, that Astra and Eutelsat offer, there is also a wealth of terrestrial re-broadcast services. These include the BBC networks, all in FM quality via satellite, and BBC World Service. You can also find state broadcasters from all over Europe, such as Deutsche Welle and Radio Netherlands. The

Voice Of America has also made a welcome return this year.

Digital satellite radio is also expanding, and with it comes CD reception quality. There are far too many stations to list here. However, if you are fortunate enough to have a digital system, digital tuning brings the blessing of automatic tuning. Once you have digital you can enjoy European stations such as KinkFM and Veronica.



**Astra**  
Channel 22  
**Freq**  
11.538V  
**Audio**  
7.38

## Satellite Times



**Satellite Times** costs £2.20, and is available monthly from newsagents. It gives a comprehensive guide to satellite radio stations, and also lists their programme schedules.  
Tel 0113 2585008

Below are listed a few of the channels available on Astra.

Station	Channel	Frequency	Audio(s)
CMR	Astra 50	10.729 V	7.38/7.56
EKR	Astra 35	10.994 H	7.38/7.56
Sky Radio	Astra 08	11.318 V	7.38/7.56
Virgin	Astra 12	11.377 V	7.38/7.56
WRN	Astra 22	11.538 V	7.38
VOA	Astra 07	11.303 H	7.56

There are dozens more channels on Eutelsat as well.....

## cable radio stations

**BCB** - Community Radio for the Bradford district.  
Tel 01274 771677

**BUBN** - Birmingham based hospital & healthcare service.  
Tel: 0121 554 5522

**CRMK** - Community Radio Milton Keynes. Local community cable radio station  
For further information-  
Tel: 01908 265266

**Cruise FM** - Music in Andover, Salisbury and Romsey.  
Tel: 01264 393333

**Lite FM** - Cable radio in Peterborough.  
Tel: 01733 898106

**Max FM** - AC, soft rock, local and national news in Southampton, Eastleigh and Winchester.  
Tel: 01703 222122

**Music Choice Europe** - MCE provides a music service service by subscription on both cable and satellite.  
Tel: 0171 2988800

**Radio Phoenix** - Hospital radio service for Neath General Hospital, also distributed in the Vale of Neath via cable television network.  
Tel: 01639 762029 (evenings and weekends only)

**Radio Victory** - Broad-based news music and information. Based in Portsmouth.  
Tel: 01705 358853

**Urban Radio** - Cable radio based in Portslade, E Sussex.  
Tel: 01273 298273

# medium and long wave frequency index

Frequencies are in kHz

153	Deutschlandfunk(Germany)	756	Maldwyn(Newtown)	954	Classic G 954/1530(Brenton)
162	France Inter(France)	756	Radio 4(Redruth MF)	954	Gemini AM(Beacon Hill)
177	Deutschland Radio(Germany)	765	BBC Essex(Chelmsford)	963	Asian Sound(Hasingden)
183	Europe 1(Germany)	774	BBC Kent(Littlebourne)	963	Liberty(Glade Lane)
198	Radio 4(Burghead)	774	BBC Leeds(Farnley)	963	Liberty(Lea Bridge Road)
198	Radio 4(Droitwich)	774	Classic G 774(Little Shurdington)	963	Radio Finland(Finland)
198	Radio 4(Westerglen)	774	Radio 4(Enniskillen)	972	Nord. Rundfunk(Germany)
216	Radio Monte Carlo(Monaco)	774	Radio 4(Plymouth)	990	BBC Devon(Exeter)
225	Polish Radio 1(Poland)	792	Classic G 792/828(Kempston)	990	Magic(Crimpsall)
234	RTL(Luxembourg)	792	Radio Ulster(Londonderry)	990	Radio 5 Live(Tywyn)
243	D. R. Radio 1(Denmark)	801	BBC Devon(Barnstaple)	990	Radio Scotland(Redmoss)
252	Atlantic 252(Eire (Dublin))	810	Radio Scotland(Burghead)	990	WABC(Sedgley)
270	Czech Radio(Czech Republic)	810	Radio Scotland(Redmoss)	999	BBC Solent(Fareham)
540	BRTN Radio 2(Belgium)	810	Radio Scotland(Westerglen)	999	GEM-AM(Trowell)
558	Spectrum(Crystal Palace)	828	BBC Asian Network(Sedgley)	999	Red Rose 999(Longton)
567	RTE Radio 1(Eire (Tullamore))	828	Classic G 792/828(Lewsey Farm)	999	Valleys Radio(Aberdare)
585	Radio Nacional(Spain)	828	Classic G 828(Fern Barrow)	1008	NOS Radio 5(Netherlands)
585	Radio Scotland(Dumfries)	828	Magic 828(Morley)	1017	WABC(Shrewsbury)
603	Cheltenham(Cheltenham)	828	Townland Radio(Cookstown)	1026	BBC Cambridgeshire(Cambridge)
603	Invicta SuperGold(Littlebourne)	837	BBC Asian Network(Freemant's Common)	1026	BBC Jersey(Jersey-Tinny)
603	Radio 4(Newcastle)	837	BBC Cumbria (Barrow)	1026	Downtown(Knock-Breckan)
612	RTE 2FM(Eire (Athlone))	846	RAI Radio 2(Italy)	1035	BBC Sheffield(Sheffield(MF))
621	RTBF Radio 1(Belgium)	855	BBC Devon(Plymouth)	1035	Country 1035(Crystal Palace)
630	BBC Cornwall(Redruth(MF))	855	BBC Lancashire(Preston)	1035	NorthSound Two(Nigg)
630	BBC Three Counties(Luton)	855	BBC Norfolk(Postwick)	1035	West Sound AM(Symington)
639	Radio Nacional(Spain)	855	Sunshine B55(Villa Farm)	1053	Talk Radio(Bournemouth)
657	BBC Cornwall(Bodmin)	864	Radio Bleu(France)	1053	Talk Radio(Brighton)
657	Radio Wales(Wrexham)	873	American Forces(Germany)	1053	Talk Radio(Droitwich)
666	BBC York(Fulford (York))	873	BBC Norfolk(West Lynn)	1053	Talk Radio(Dumfries)
666	Gemini AM(Pearce's Hill)	873	Radio Ulster(Enniskillen)	1053	Talk Radio(Dundee)
675	Radio 10 Gold(Netherlands)	882	Radio Wales(Forden)	1053	Talk Radio(Exeter)
693	Radio 5 Live(Barrow)	882	Radio Wales(Penmon)	1053	Talk Radio(Hull)
693	Radio 5 Live(Bexhill)	882	Radio Wales(Tywyn)	1053	Talk Radio(Londonderry)
693	Radio 5 Live(Brighton)	882	Radio Wales(Washford)	1053	Talk Radio(Postwick)
693	Radio 5 Live(Burghead)	900	RAI Radio 1(Italy)	1053	Talk Radio(Pulmer Barracks)
693	Radio 5 Live(Droitwich)	909	Radio 5 Live(Bournemouth)	1053	Talk Radio(Rosemarkie)
693	Radio 5 Live(Enniskillen)	909	Radio 5 Live(Brookmans Park)	1053	Talk Radio(Stockton)
693	Radio 5 Live(Folkstone)	909	Radio 5 Live(Clevedon)	1053	Talk Radio(Tonbridge)
693	Radio 5 Live(Postwick)	909	Radio 5 Live(Exeter)	1062	D. R. Radio 2(Denmark)
693	Radio 5 Live(Redmoss)	909	Radio 5 Live(Fareham)	1071	Talk Radio(Clipstone)
693	Radio 5 Live(Stagslaw)	909	Radio 5 Live(Lisnagarvey)	1071	Talk Radio(Wrekenton)
693	Radio 5 Live(Start Point)	909	Radio 5 Live(Londonderry)	1089	Talk Radio(Brookmans Park)
711	Radio Bleu(France)	909	Radio 5 Live(Moorside Edge)	1089	Talk Radio(Dartford Tunnel)
720	Radio 4(Lisnagarvey)	909	Radio 5 Live(Redruth MF)	1089	Talk Radio(Lisnagarvey)
720	Radio 4(London (Lots Road))	909	Radio 5 Live(Westerglen)	1089	Talk Radio(Moorside Edge)
720	Radio 4(Londonderry)	909	Radio 5 Live(Whitehaven)	1089	Talk Radio(Redmoss)
729	BBC Essex(Manningtree)	927	BRTN Radio 1(Belgium)	1089	Talk Radio(Redruth)
729	RTE Radio 1(Cork)	936	Brunel Classic Gold(Naish Hill)	1089	Talk Radio(Washford)
738	BBC Hereford(Worcester)	936	Yorkshire Dales(Hawes)	1089	Talk Radio(Westerglen)
747	NOS Radio 1(Netherlands)	945	GEM-AM(Quarndon)	1098	Slovak Radio(Slovakia)
756	BBC Cumbria (Carlisle)	945	South Coast (B'ton)(Bexhill)	1107	Moray Firth Radio(Tarbat Ness)

# medium and long wave frequency index

1107 Talk Radio(Boston)	1233 Virgin(Kings Heath)	1440 R. Netherlands relay(Luxembourg)
1107 Talk Radio(Fareham)	1233 Virgin(Manningtree)	1449 BBC Cambridgeshire(Gunthorpe)
1107 Talk Radio(Gatwick)	1233 Virgin(Reading)	1449 Radio 4(Redmoss)
1107 Talk Radio(Lydd)	1233 Virgin(Sheffield)	1458 BBC Asian Network(Langley Mill)
1107 Talk Radio(Occombe)	1233 Virgin(Swindon)	1458 BBC Cumbria (Whitehaven(MF))
1107 Talk Radio(Wallasey)	1242 Invicta SuperGold(Hoo St Werburgh)	1458 BBC Devon(Torbay)
1116 BBC Derby(Burnaston Lane)	1242 Isle of Wight(Bridlesford Farm)	1458 BBC Newcastle(Newcastle)
1116 BBC Guernsey(Guernsey(Rohais))	1242 Virgin(Boston)	1458 Lite AM(Ashton Moss)
1116 Valleys Radio(Ebbw Vale)	1242 Virgin(Greenside Scalp)	1458 Sunrise Radio(Brookmans Park)
1125 Radio Wales(Llandrindod MF)	1242 Virgin(Sideway)	1467 Trans World Radio(Monaco)
1134 Croatian Radio(Croatia)	1242 Virgin(Stockton)	1476 County Sound(Peasmarsh)
1152 Amber(Brundall)	1251 Amber(Great Barton)	1485 BBC Humberside(Hull)
1152 Clyde 2(Dechmont Hill)	1260 BBC York(Scarborough)	1485 BBC Merseyside(Wallasey)
1152 GNR(Greenside)	1260 Brunel Classic Gold(Mangotsfield)	1485 BBC SCR(Brighton)
1152 LBC(Saffron Green)	1260 Marcher Gold(Farndon)	1485 Classic G 1431/1485(Washwater)
1152 Piccadilly 1152(Ashton Moss)	1260 Sabras Sound(Freeman's Common)	1485 Radio 4(Carlisle)
1152 Plymouth Sound(Plumer Barracks)	1260 Virgin(Guildford)	1503 BBC Stoke(Sideway)
1152 Xtra-AM(Langley Mill)	1260 Virgin(Lydd)	1512 Radio Flanders(Belgium)
1161 BBC SCR(Bexhill)	1269 Deutschlandfunk(Germany)	1512 Radio Netherlands
1161 BBC Three Counties(Bedford)	1278 Classic G 1278/1530(Tyersall Lane)	1521 Fame 1521(Gatwick)
1161 Brunel Classic Gold(Blunsdon)	1278 RTE 2FM(Dublin)	1521 Radio 1521(Cragavon)
1161 Magic(Goxhill)	1278 RTE 2FM(Eire (Cork))	1530 BBC Essex(Southend)
1161 Tay AM(Greenside Scalp)	1287 Radio Free Europe(Czech)	1530 Classic G 1278/1530(Vicars Lot)
1170 Amber(Foxhall Heath)	1296 XL(Langley Mill)	1530 Classic G 954/1530(Cotheridge)
1170 Eleven Seventy(Wycombe Marsra)	1305 Magic(Ardsley)	1530 Vatican Radio(Vatican)
1170 GNR(Stockton)	1305 Premier(Enfield Football Club)	1539 TWR/ERF(Germany)
1170 Signal Two(Sideway)	1305 Premier(North Looe)	1548 BBC Bristol & Somerset(Mangotsfield)
1170 South Coast(Farlington Marshes)	1305 Touch Radio(Christchurch)	1548 Capital Gold(Saffron Green)
1170 Swansea Sound(Winsh-wen)	1314 NRK - Prog 1(Norway)	1548 Forth AM(Colinswell)
1179 Radio Sweden(Sweden)	1323 BBC Bristol & Somerset(Taunton)	1548 Magic(Skew Hill)
1197 Virgin(Brighton)	1323 South Coast (B'ton)(Southwick)	1548 Magic 1548(Bebington)
1197 Virgin(Chesterton Fen)	1332 BBC Wiltshire Sound(Lacock)	1557 BBC Lancashire(Oxcliffe)
1197 Virgin(Fern Barrow)	1332 Classic Gold 1332(Gunthorpe)	1557 Classic Gold 1557(Kings Heath)
1197 Virgin(Gloucester)	1332 Premier(Bow)	1557 Mellow 1557(Telstar Nurseries)
1197 Virgin(Hoo)	1341 Radio Ulster(Lisnagarvey)	1557 South Coast (P'tsmth)(Veals Farm)
1197 Virgin(Oxford)	1359 BBC Solent(Bourmemouth)	1566 Radio Ewva(Switzerland)
1197 Virgin(Torbay)	1359 Breeze(Bakers Wood)	1584 BBC Nottingham(Clipstone)
1197 Virgin(Trowell)	1359 Classic Gold 1359(Shilton)	1584 BBC Shropshire(Woofferton)
1197 Virgin(Wallasey)	1359 Touch Radio(Hadfield Road)	1584 KCBC(Kettering)
1215 Virgin(Brookmans Park)	1368 BBC Lincolnshire(Lincoln(Swan Pool))	1584 London Turkish(Lea Bridge Road)
1215 Virgin(Dartford Tunnel)	1368 BBC SCR(Duxhurst)	1584 Tay AM(Friarton Road)
1215 Virgin(Droitwich)	1368 BBC Wiltshire Sound(Swindon)	1602 BBC Kent(Rusthall)
1215 Virgin(Fareham)	1368 Manx(Foxdale)	
1215 Virgin(Hull)	1377 Asian Sound(Ashton Moss)	
1215 Virgin(Lisnagarvey)	1377 Radio Bleu(France)	
1215 Virgin(Moorside Edge)	1386 Radio Moscow(Russia)	
1215 Virgin(Plymouth)	1395 Talk Radio(Netherlands)	
1215 Virgin(Postwick)	1413 Premier(Dartford Marshes)	
1215 Virgin(Redmoss)	1413 Premier(Heathrow)	
1215 Virgin(Washford)	1413 Yorkshire Dales(Skipton)	
1215 Virgin(Westerglen)	1422 Deutschlandfunk(Germany)	
1215 Virgin(Wrekeaton)	1431 Breeze(Rayeigh)	
1233 Virgin(Gatwick)	1431 Classic G 1431/1485(Manor Farm)	

# FM frequency index

## Frequencies are in MHz

88.1	Radio 2(Ballachulish)	88.7	Radio 2(Londonderry)	89.5	Radio 2(Darwen)
88.1	Radio 2(Bowmore)	88.7	Radio 2(Luddenden)	89.5	Radio 2(Glengorm)
88.1	Radio 2(Cirencester Town)	88.7	Radio 2(Meldrum)	89.5	Radio 2(Innerleithen)
88.1	Radio 2(Cletraval)	88.7	Radio 2(Okehampton)	89.5	Radio 2(Kilvey Hill)
88.1	Radio 2(Clyro)	88.8	BBC Jersey(Les Platons)	89.5	Radio 2(Oxford)
88.1	Radio 2(Deiniolen)	88.8	Radio 2(Ballycastle)	89.5	Radio 2(Pennar)
88.1	Radio 2(Festiniog)	88.8	Radio 2(Belmont)	89.5	Radio 2(Romaldkirik)
88.1	Radio 2(Grantham)	88.8	Radio 2(Carnmoney Hill)	89.5	Radio 2(Salcombe)
88.1	Radio 2(Guildford)	88.8	Radio 2(Chippenham)	89.6	Radio 2(Ferndale)
88.1	Radio 2(Llanidloes)	88.8	Radio 2(Crystal Palace)	89.6	Radio 2(Gogwell)
88.1	Radio 2(Mallaig)	88.8	Radio 2(Isles of Scilly)	89.6	Radio 2(Hastings)
88.1	Radio 2(Manningtree)	88.8	Radio 2(Penaligon Downs)	89.6	Radio 2(Keswick Forest)
88.1	Radio 2(North Hessary Tor)	88.8	Radio 2(Ton Pentre)	89.6	Radio 2(Les Platons)
88.1	Radio 2(Penfilier)	88.9	Radio 2(Brecon)	89.6	Radio 2(Lmavady)
88.1	Radio 2(Sandale)	88.9	Radio 2(Cambridge)	89.6	Radio 2(Lyswen)
88.1	Radio 2(Sandale)	88.9	Radio 2(Carmarthen)	89.6	Radio 2(Long Mountain)
88.2	Radio 2(Betws-y-Coed)	88.9	Radio 2(Chard)	89.6	Radio 2(Ludlow)
88.2	Radio 2(Bexhill)	88.9	Radio 2(Girvan)	89.6	Radio 2(Rosemarkie)
88.2	Radio 2(Calne)	88.9	Radio 2(Keighley)	89.6	Radio 2(Rosemount)
88.2	Radio 2(Knock More)	88.9	Radio 2(Langollen)	89.6	Radio 2(Whalley)
88.2	Radio 2(Nailsworth)	88.9	Radio 2(Membury)	89.6	Radio 2(Whitby)
88.2	Radio 2(Newbury)	88.9	Radio 2(Northampton)	89.7	Radio 2(Barnoldswick)
88.2	Radio 2(Rheola)	88.9	Radio 2(Oban)	89.7	Radio 2(Caterham)
88.3	Radio 2(Bressay)	88.9	Radio 2(Todmorden)	89.7	Radio 2(Cornholme)
88.3	Radio 2(Forfar)	88.9	Radio 2(Varteg Hill)	89.7	Radio 2(Eyemouth)
88.3	Radio 2(Lethanhill)	89.0	Manx(Snaefell)	89.7	Radio 2(Kinlochleven)
88.3	Radio 2(Llwyn-Onn)	89.0	Radio 2(Abertillery)	89.7	Radio 2(Lyme Regis)
88.3	Radio 2(Lochgilphead)	89.0	Radio 2(Bath)	89.7	Radio 2(Mickleham)
88.3	Radio 2(Millburn Muir)	89.0	Radio 2(Bilsdale)	89.7	Radio 2(Mynydd Pencarreg)
88.3	Radio 2(Ness of Lewis)	89.0	Radio 2(Blunsdon)	89.7	Radio 2(Newhaven)
88.3	Radio 2(Rostrevor Forest)	89.0	Radio 2(Chesterfield)	89.7	Radio 2(Redruth)
88.3	Radio 2(St Just)	89.0	Radio 2(Churchdown Hill)	89.7	Radio 2(Stranraer)
88.3	Radio 2(Sutton Coldfield)	89.0	Radio 2(Croeserw)	89.7	Radio 2(Tacolneston)
88.3	Radio 2(Ullapool)	89.0	Radio 2(Kendal)	89.7	Radio 2(Weardale)
88.3	Radio 2(Wensleydale)	89.0	Radio 2(Kirkton Mailer)	89.7	Radio 2(Whitehaven)
88.3	Radio 2(Westwood)	89.0	Radio 2(Minehead)	89.8	Radio 2(Beecroft Hill)
88.3	Radio 2(Windermere)	89.0	Radio 2(Port Ellen)	89.8	Radio 2(Eitshal)
88.4	Radio 2(Campbeltown)	89.0	Radio 2(St Thomas (Exeter))	89.8	Radio 2(Fenham)
88.4	Radio 2(Carmel)	89.1	Radio 2(Ashkirk)	89.8	Radio 2(Grantown)
88.4	Radio 2(Douglas)	89.1	Radio 2(Bridport)	89.8	Radio 2(Hemdean (Reading))
88.4	Radio 2(Ebbw Vale)	89.1	Radio 2(Combe Martin)	89.8	Radio 2(Kingswear)
88.4	Radio 2(Folkestone)	89.1	Radio 2(Conwy)	89.8	Radio 2(Llanddona)
88.4	Radio 2(Hebden Bridge)	89.1	Radio 2(Egford Hill (Fiume))	89.8	Radio 2(Llanrhaeadr-ym-Mochnant)
88.4	Radio 2(Kenley)	89.1	Radio 2(Kingussie)	89.8	Radio 2(Saddleworth)
88.4	Radio 2(Peebles)	89.1	Radio 2(Larne)	89.8	Radio 2(Salisbury)
88.4	Radio 2(Penmaen Rhos)	89.1	Radio 2(Llandrindod Wells)	89.8	Radio 2(Stanton Moor)
88.4	Radio 2(Porth)	89.1	Radio 2(Llanfyllin)	89.9	Radio 2(Black Hill)
88.4	Radio 2(Walsden South)	89.1	Radio 2(Melvaig)	89.9	Radio 2(Haslingden)
88.4	Radio 2(Wharfedale)	89.1	Radio 2(West Kilbride)	89.9	Radio 2(Vlybridge)
88.5	Radio 2(Barnstaple)	89.1	Radio 2(Wrotham)	89.9	Radio 2(Oliver's Mount)
88.5	Radio 2(Blaenavon)	89.2	Radio 2(Aberdare)	89.9	Radio 2(Sheffield)
88.5	Radio 2(Cwmafan)	89.2	Radio 2(Chalford)	89.9	Radio 2(Wenvoe)
88.5	Radio 2(Idle)	89.2	Radio 2(Ogmore Vale)	89.9	Radio 2(Wenvoe)
88.5	Radio 2(Plympton)	89.2	Radio 2(Pitlochry)	90.0	Radio 2(Buxton)
88.5	Radio 2(Pontop Pike)	89.2	Radio 2(Pontypool)	90.0	Radio 2(High Wycombe)
88.5	Radio 2(Rothesay)	89.2	Radio 2(Rosneath)	90.0	Radio 2(Morecambe Bay)
88.5	Radio 2(Rowridge)	89.3	Radio 2(Andover)	90.0	Radio 2(Swingate)
88.5	Radio 2(Sknaig)	89.3	Radio 2(Crieff)	90.0	Radio 2(Weymouth)
88.6	BBC Sheffield(Sheffield)	89.3	Radio 2(Daliburgh)	90.1	Radio 2(Basingstoke)
88.6	Radio 2(Berwick-on-Tweed)	89.3	Radio 2(Fort William)	90.1	Radio 2(Brighton)
88.6	Radio 2(Bow Brickhill)	89.3	Radio 2(Haverfordwest)	90.1	Radio 2(Chatton)
88.6	Radio 2(Fort Augustus)	89.3	Radio 2(Holme Moss)	90.1	Radio 2(Divis)
88.6	Radio 2(Llangenor)	89.3	Radio 2(Lichester Crescent)	90.1	Radio 2(Dolgellau)
88.6	Radio 2(Penicuik)	89.3	Radio 2(Keelylang Hill)	90.1	Radio 2(Llandinam)
88.6	Radio 2(Ridge Hill)	89.3	Radio 2(Rhymney)	90.1	Radio 2(Llandyfriog)
88.6	Radio 2(Strachur)	89.3	Radio 2(South Knapdale)	90.1	Radio 2(Marlborough)
88.6	Radio 2(Winter Hill)	89.4	Radio 2(Brougher Mountain)	90.1	Radio 2(Peterborough)
88.7	Radio 2(Abergavenny)	89.4	Radio 2(Durris)	90.1	Radio 2(Rumster Forest)
88.7	Radio 2(Ardgour)	89.4	Radio 2(Holcombe Down)	90.1	Radio 2(Tullich)
88.7	Radio 2(Beacon Hill)	89.4	Radio 2(Hutton)	90.2	Radio 2(Pendle Forest)
88.7	Radio 2(Ben Gullipen)	89.4	Radio 2(Kilkeel)	90.2	Radio 2(Woolmoor)
88.7	Radio 2(Blaenplwyf)	89.4	Radio 2(Llandecwyn)	90.2	Radio 2(Clyro)
88.7	Radio 2(Cambret Hill)	89.4	Radio 2(Machynlleth)	90.3	Radio 3(Ballachulish)
88.7	Radio 2(Camlough)	89.4	Radio 2(Newton)	90.3	Radio 3(Bowmore)
88.7	Radio 2(Kirkconnel)	89.4	Radio 2(Ventnor)	90.3	Radio 3(Cirencester Town)
		89.5	Radio 2(Axe Valley)	90.3	Radio 3(Cletraval)
		89.5	Radio 2(Darvel)	90.3	Radio 3(Deiniolen)

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90.3	Radio 3(Ffestiniog)	91.0	Radio 3(Ton Pentre)	91.8	Radio 3(Limavady)
90.3	Radio 3(Grantham)	91.1	Radio 3(Brecon)	91.8	Radio 3(Lyswen)
90.3	Radio 3(Guildford)	91.1	Radio 3(Cambridge)	91.8	Radio 3(Long Mountain)
90.3	Radio 3(Llanidloes)	91.1	Radio 3(Carmarthen)	91.8	Radio 3(Ludlow)
90.3	Radio 3(Mallaig)	91.1	Radio 3(Chard)	91.8	Radio 3(Rosemarke)
90.3	Radio 3(Manningtree)	91.1	Radio 3(Girvan)	91.8	Radio 3(Rosemount)
90.3	Radio 3(North Hessay Tor)	91.1	Radio 3(Keighley)	91.8	Radio 3(Whalley)
90.3	Radio 3(Penifiler)	91.1	Radio 3(Les Platons)	91.8	Radio 3(Whitby)
90.3	Radio 3(Sandale)	91.1	Radio 3(Llangollen)	91.9	Radio 3(Barnoldswick)
90.4	Radio 3(Betsw-y-Coed)	91.1	Radio 3(Membury)	91.9	Radio 3(Caterham)
90.4	Radio 3(Calne)	91.1	Radio 3(Northampton)	91.9	Radio 3(Cornholme)
90.4	Radio 3(Knock More)	91.1	Radio 3(Oban)	91.9	Radio 3(Eyemouth)
90.4	Radio 3(Nailsworth)	91.1	Radio 3(Todmorden)	91.9	Radio 3(Kinlochleven)
90.4	Radio 3(Newbury)	91.1	Radio 3(Varteg Hill)	91.9	Radio 3(Lyme Regis)
90.4	Radio 3(Rheola)	91.2	Radio 3(Abertillery)	91.9	Radio 3(Mickleham)
90.5	Radio 3(Bressay)	91.2	Radio 3(Bath)	91.9	Radio 3(Mynydd Pencarreg)
90.5	Radio 3(Forfar)	91.2	Radio 3(Bilsdale)	91.9	Radio 3(Newhaven)
90.5	Radio 3(Lethanhill)	91.2	Radio 3(Blunsdon)	91.9	Radio 3(Redruth)
90.5	Radio 3(Llwyn-Onn)	91.2	Radio 3(Chesterfield)	91.9	Radio 3(Saddleworth)
90.5	Radio 3(Lochgilthead)	91.2	Radio 3(Churchdown Hill)	91.9	Radio 3(Stranraer)
90.5	Radio 3(Milburn Murr)	91.2	Radio 3(Croeserw)	91.9	Radio 3(Tacolneston)
90.5	Radio 3(Ness of Lewns)	91.2	Radio 3(Kendal)	91.9	Radio 3(Weardale)
90.5	Radio 3(Rostrevor Forest)	91.2	Radio 3(Kirkton Maller)	91.9	Radio 3(Whitehaven)
90.5	Radio 3(St Just)	91.2	Radio 3(Minehead)	92.0	Radio 3(Beecroft Hill)
90.5	Radio 3(Sutton Coldfield)	91.2	Radio 3(Port Ellen)	92.0	Radio 3(Eitshal)
90.5	Radio 3(Ullapool)	91.2	Radio 3(St Thomas)	92.0	Radio 3(Fenham)
90.5	Radio 3(Wensleydale)	91.3	Radio 3(Ashkirk)	92.0	Radio 3(Grantown)
90.5	Radio 3(Westwood)	91.3	Radio 3(Bridport)	92.0	Radio 3(Hemdean)
90.5	Radio 3(Windermere)	91.3	Radio 3(Combe Martin)	92.0	Radio 3(Kingswear)
90.6	Radio 3(Campbeltown)	91.3	Radio 3(Conwy)	92.0	Radio 3(Llanddona)
90.6	Radio 3(Carmel)	91.3	Radio 3(Egford Hill)	92.0	Radio 3(Llanrhaeadr-ym-Mochnant)
90.6	Radio 3(Douglas)	91.3	Radio 3(Kingussie)	92.0	Radio 3(Salisbury)
90.6	Radio 3(Ebbw Vale)	91.3	Radio 3(Larne)	92.0	Radio 3(Stanton Moor)
90.6	Radio 3(Folkestone)	91.3	Radio 3(Llandrindod Wells)	92.1	Radio 3(Black Hill)
90.6	Radio 3(Hebden Bridge)	91.3	Radio 3(Llantyllin)	92.1	Radio 3(Hasingden)
90.6	Radio 3(Kenley)	91.3	Radio 3(Melvaig)	92.1	Radio 3(Ivybridge)
90.6	Radio 3(Peebles)	91.3	Radio 3(West Kilbride)	92.1	Radio 3(Oliver's Mount)
90.6	Radio 3(Penmaen Rhos)	91.3	Radio 3(Wrotham)	92.1	Radio 3(Sheffield)
90.6	Radio 3(Porth)	91.4	Radio 3(Aberdare)	92.1	Radio 3(Wenwoe)
90.6	Radio 3(Walsden South)	91.4	Radio 3(Chalford)	92.2	Radio 3(Bexhill)
90.6	Radio 3(Wharfedale)	91.4	Radio 3(Ogmore Vale)	92.2	Radio 3(Buxton)
90.7	Radio 3(Barnstaple)	91.4	Radio 3(Pitlochry)	92.2	Radio 3(High Wycombe)
90.7	Radio 3(Blaenavon)	91.4	Radio 3(Pontypool)	92.2	Radio 3(Morecambe Bay)
90.7	Radio 3(Cwmafan)	91.4	Radio 3(Rosneath)	92.2	Radio 3(Weymouth)
90.7	Radio 3(dle)	91.5	Radio 3(Andover)	92.2	Radio 3(Woolmoor)
90.7	Radio 3(Plympton)	91.5	Radio 3(Crieff)	92.3	Radio 3(Basingstoke)
90.7	Radio 3(Pontop Pike)	91.5	Radio 3(Daliburgh)	92.3	Radio 3(Brighton)
90.7	Radio 3(Rothesay)	91.5	Radio 3(Fort William)	92.3	Radio 3(Chatton)
90.7	Radio 3(Rowridge)	91.5	Radio 3(Haverfordwest)	92.3	Radio 3(Divis)
90.7	Radio 3(Skriarg)	91.5	Radio 3(Holme Moss)	92.3	Radio 3(Dolgellau)
90.8	Radio 3(Berwick-upon-Tweed)	91.5	Radio 3(Ilchester Crescent)	92.3	Radio 3(Llandinam)
90.8	Radio 3(Bow Brickhill)	91.5	Radio 3(Keelylang Hill)	92.3	Radio 3(Llandyfriog)
90.8	Radio 3(Fort Augustus)	91.5	Radio 3(Rhymney)	92.3	Radio 3(Marlborough)
90.8	Radio 3(Llangenor)	91.5	Radio 3(South Knappdale)	92.3	Radio 3(Peterborough)
90.8	Radio 3(Penicuk)	91.6	Radio 3(Brougher Mountain)	92.3	Radio 3(Rumster Forest)
90.8	Radio 3(Ridge Hill)	91.6	Radio 3(Durris)	92.3	Radio 3(Tullich)
90.8	Radio 3(Strachur)	91.6	Radio 3(Holcombe Down)	92.4	BBC Leeds(Holme Moss)
90.8	Radio 3(Winter Hill)	91.6	Radio 3(Hutton)	92.4	Radio 3(Swingate)
90.9	Radio 3(Abergavenny)	91.6	Radio 3(Kilkeel)	92.4	Radio Cymru(Clyro)
90.9	Radio 3(Ardgur)	91.6	Radio 3(Llandecwyr)	92.5	Radio 4(Cirencester Town)
90.9	Radio 3(Beacon Hill)	91.6	Radio 3(Machynlleth)	92.5	Radio 4(Grantham)
90.9	Radio 3(Belmont)	91.6	Radio 3(Newton)	92.5	Radio 4(Guildford)
90.9	Radio 3(Ben Gullipen)	91.7	Radio 3(Axe Valley)	92.5	Radio 4(Manningtree)
90.9	Radio 3(Blaenplwyr)	91.7	Radio 3(Darvel)	92.5	Radio 4(North Hessay Tor)
90.9	Radio 3(Cambert Hill)	91.7	Radio 3(Darwen)	92.5	Radio 4(Sandale)
90.9	Radio 3(Camlough)	91.7	Radio 3(Glengorm)	92.5	Radio Cymru(Deniolen)
90.9	Radio 3(Kirkconnel)	91.7	Radio 3(Innerleithen)	92.5	Radio Cymru(Ffestiniog)
90.9	Radio 3(Londonderry)	91.7	Radio 3(Kilvey Hill)	92.5	Radio Cymru(Llanidloes)
90.9	Radio 3(Luddenden)	91.7	Radio 3(Oxford)	92.5	Radio Scott(Ballachulish)
90.9	Radio 3(Meldrum)	91.7	Radio 3(Pennar)	92.5	Radio Scott(Bowmore)
90.9	Radio 3(Okehampton)	91.7	Radio 3(Romaldkirki)	92.5	Radio Scott(Cletraval)
91.0	Radio 3(Bailycastle)	91.7	Radio 3(Salcombe)	92.5	Radio Scott(Mallaig)
91.0	Radio 3(Carnmoney Hill)	91.7	Radio 3(Ventnor)	92.5	Radio Scott(Penifiler)
91.0	Radio 3(Chippenham)	91.8	Radio 3(Ferndale)	92.6	Radio 3(Pendle Forest)
91.0	Radio 3(Crystal Palace)	91.8	Radio 3(Gogwell)	92.6	Radio 4(Calne)
91.0	Radio 3(Sies of Scilly)	91.8	Radio 3(Hastings)	92.6	Radio 4(Nailsworth)
91.0	Radio 3(Penaligon Downs)	91.8	Radio 3(Keswick Forest)	92.6	Radio 4(Newbury)

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92.6	Radio Cymru(Betws-y-Coed)	93.3	Radio Scot(Oban)	94.1	Radio 4(Newhaven)
92.6	Radio Cymru(Rheola)	93.4	Radio 4(Abertillery)	94.1	Radio 4(Redruth)
92.6	Radio Scot(Knock More)	93.4	Radio 4(Bath)	94.1	Radio 4(Saddleworth)
92.7	Radio 4(St Just)	93.4	Radio 4(Bilsdale)	94.1	Radio 4(Tacolneston)
92.7	Radio 4(Sutton Coldfield)	93.4	Radio 4(Blunston)	94.1	Radio 4(Weardale)
92.7	Radio 4(Wensleydale)	93.4	Radio 4(Chesterfield)	94.1	Radio 4(Whitehaven)
92.7	Radio 4(Westwood)	93.4	Radio 4(Churchdown Hill)	94.1	Radio Cymru(Mynydd Pencarreg)
92.7	Radio 4(Windermere)	93.4	Radio 4(Kendal)	94.1	Radio Scot(Eyemouth)
92.7	Radio Cymru(Llwyn-Onn)	93.4	Radio 4(Minehead)	94.1	Radio Scot(Kirlochleven)
92.7	Radio Scot(Bressay (Shetlands))	93.4	Radio 4(St Thomas)	94.1	Radio Scot(Stranraer)
92.7	Radio Scot(Forfar)	93.4	Radio Cymru(Croesnew)	94.2	Radio 4(Beecroft Hill)
92.7	Radio Scot(Lethanhill)	93.4	Radio Scot(Kirkton Mailer)	94.2	Radio 4(Fenham)
92.7	Radio Scot(Lochgilphead)	93.4	Radio Scot(Port Ellen)	94.2	Radio 4(Hastings)
92.7	Radio Scot(Millburn Muir)	93.5	Radio 4(Bridport)	94.2	Radio 4(Hemdean)
92.7	Radio Scot(Ness of Lewis)	93.5	Radio 4(Combe Martin)	94.2	Radio 4(Kingswear)
92.7	Radio Scot(Ullapool)	93.5	Radio 4(Egford Hill)	94.2	Radio 4(Llanrhaeadr-ym-Mochnant)
92.7	Radio Ulster(Rostrevor Forest)	93.5	Radio 4(Llanfyllin)	94.2	Radio 4(Salisbury)
92.8	Radio 4(Douglas)	93.5	Radio 4(Wrotham)	94.2	Radio 4(Stanton Moor)
92.8	Radio 4(Ebbw Vale)	93.5	Radio Cymru(Conwy)	94.2	Radio Cymru(Llanddona)
92.8	Radio 4(Hebden Bridge)	93.5	Radio Cymru(Llandrindod Wells)	94.2	Radio Scot(Etshah)
92.8	Radio 4(Kenley)	93.5	Radio Scot(Ashkirk)	94.3	Radio 4(Haslingden)
92.8	Radio 4(Porth)	93.5	Radio Scot(Kingussie)	94.3	Radio 4(Ivybridge)
92.8	Radio 4(Walsden South)	93.5	Radio Scot(Melvaig)	94.3	Radio 4(Oliver's Mount)
92.8	Radio 4(Wharfedale)	93.5	Radio Scot(West Kilbride)	94.3	Radio 4(Sheffield)
92.8	Radio Cymru(Carmel)	93.5	Radio Ulster(Larne)	94.3	Radio 4(Wenvoe)
92.8	Radio Cymru(Pennaen Rhos)	93.6	Radio 4(Chalford)	94.3	Radio Scot(Black Hill)
92.8	Radio Scot(Campbeltown)	93.6	Radio 4(Ogmore Vale)	94.4	Radio 4(Buxton)
92.8	Radio Scot(Peebles)	93.6	Radio Cymru(Aberdare)	94.4	Radio 4(High Wycombe)
92.9	Radio 4(Barnstaple)	93.6	Radio Cymru(Pontypool)	94.4	Radio 4(Morecambe Bay)
92.9	Radio 4(Blaenavon)	93.6	Radio Scot(Pitlochry)	94.4	Radio 4(Swingate)
92.9	Radio 4(Cwmavon)	93.6	Radio Scot(Rosneath)	94.4	Radio 4(Weymouth)
92.9	Radio 4(Idle)	93.7	Island FM(Fort Albert)	94.4	Radio 4(Woolmoor)
92.9	Radio 4(Plympton)	93.7	Radio 4(Andover)	94.5	Radio 4(Basingstoke)
92.9	Radio 4(Pontop Pike)	93.7	Radio 4(Holme Moss)	94.5	Radio 4(Brighton)
92.9	Radio 4(Rowridge)	93.7	Radio 4(Ikchester Crescent)	94.5	Radio 4(Chatton)
92.9	Radio Scot(Rothesay)	93.7	Radio 4(Rhymney)	94.5	Radio 4(Llandinam)
92.9	Radio Scot(Skriag)	93.7	Radio Cymru(Haverfordwest)	94.5	Radio 4(Marlborough)
93.0	Radio 4(Berwick-upon-Tweed)	93.7	Radio Scot(Crieff)	94.5	Radio 4(Peterborough)
93.0	Radio 4(Bow Brickhill)	93.7	Radio Scot(Dalburgh)	94.5	Radio Cymru(Dolgellau)
93.0	Radio 4(Llangenor)	93.7	Radio Scot(Fort William)	94.5	Radio Cymru(Llandyfnog)
93.0	Radio 4(Ridge Hill)	93.7	Radio Scot(Keelyang Hill (Orkneys))	94.5	Radio Scot(Rumster Forest)
93.0	Radio 4(Winter Hill)	93.7	Radio Scot(South Knapdale)	94.5	Radio Scot(Tullich)
93.0	Radio Scot(Fort Augustus)	93.8	Radio 4(Holcombe Down)	94.5	Radio Ulster(Divis)
93.0	Radio Scot(Strachur)	93.8	Radio 4(Hutton)	94.6	BBC Stoke(Alsagers Bank)
93.1	Radio 4(Abergavenny)	93.8	Radio 4(Llandecwyn)	94.6	BBC Thames Valley(Henley)
93.1	Radio 4(Beacon Hill)	93.8	Radio 4(Newton)	94.6	Radio 4(Bexhill)
93.1	Radio 4(Belmont)	93.8	Radio 4(Ventnor)	94.6	Radio 4(Pendle Forest)
93.1	Radio 4(Folkestone)	93.8	Radio Cymru(Machynlleth)	94.6	Radio Scot(Grantown)
93.1	Radio 4(Luddenden)	93.8	Radio Scot(Durris)	94.7	BBC Hereford/Worcs(Ridge Hill)
93.1	Radio 4(Okehampton)	93.8	Radio Ulster(Brougher Mountain)	94.7	BBC Sheffield(Chesterfield)
93.1	Radio Cymru(Blaenplwyf)	93.8	Radio Ulster(Kilkeel)	94.7	Radio 4(Ballaclulsh)
93.1	Radio Scot(Ardgour)	93.9	Radio 4(Axe Valley)	94.7	Radio 4(Mallaig)
93.1	Radio Scot(Ben Gullipen)	93.9	Radio 4(Danwen)	94.7	Radio 4(Port Ellen)
93.1	Radio Scot(Cambret Hill)	93.9	Radio 4(Oxford)	94.7	Radio Scot(Sandale)
93.1	Radio Scot(Kirkconnel)	93.9	Radio 4(Pennar)	94.8	BBC Coventry & Warks(Meriden)
93.1	Radio Scot(Meldrum)	93.9	Radio 4(Romaldkirk)	94.8	BBC Devon(Hunts Shaw Cross)
93.1	Radio Ulster(Camlough)	93.9	Radio 4(Sakcombe)	94.8	Radio 4(Knock More)
93.1	Radio Ulster(Londonderry)	93.9	Radio Cymru(Kivey Hill)	94.8	Radio 4(Les Platons)
93.2	BBC Guernsey(Les Touillets)	93.9	Radio Scot(Darvel)	94.8	Radio 4(Skriag)
93.2	Radio 4(Baillycastle)	93.9	Radio Scot(Glengorm)	94.9	BBC Bristol & Somerset Sound (Ilkchester Crescent)
93.2	Radio 4(Carmoney Hill)	93.9	Radio Scot(Innerleithen)	94.9	BBC GLR(Crystal Palace)
93.2	Radio 4(Chippenham)	94.0	Radio 4(Ferndale)	94.9	BBC Lincolnshire(Belmont)
93.2	Radio 4(Crystal Palace)	94.0	Radio 4(Gogwell)	94.9	Radio 4(Bressay)
93.2	Radio 4(Isles of Scilly)	94.0	Radio 4(Keswick Forest)	94.9	Radio 4(Forfar)
93.2	Radio 4(Penaigon Downs)	94.0	Radio 4(Limavady)	94.9	Radio 4(Lethanhill)
93.2	Radio Cymru(Ton Pentre)	94.0	Radio 4(Long Mountain)	94.9	Radio 4(Londonderry)
93.3	Radio 4(Cambridge)	94.0	Radio 4(Ludlow)	95.0	BBC Cleveland(Bilsdale)
93.3	Radio 4(Chard)	94.0	Radio 4(Whalley)	95.0	BBC Gloucestershire(Stroud)
93.3	Radio 4(Keighley)	94.0	Radio 4(Whitby)	95.0	BBC SCR(Newhaven)
93.3	Radio 4(Llangollen)	94.0	Radio Cymru(Llyswen)	95.0	BBC Shropshire(Ludlow)
93.3	Radio 4(Membury)	94.0	Radio Scot(Rosemarkie)	95.0	Radio 4(Peebles)
93.3	Radio 4(Northampton)	94.0	Radio Scot(Rosemount)	95.1	BBC GMR Talk(Holme Moss)
93.3	Radio 4(Todmorden)	94.1	Radio 4(Barnoldswick)	95.1	BBC Norfolk(Tacolneston)
93.3	Radio Cymru(Brecon)	94.1	Radio 4(Caterham)	95.1	BBC SCR(Horsham)
93.3	Radio Cymru(Carmarthen)	94.1	Radio 4(Cornholme)	95.1	Radio 4(Ardgour)
93.3	Radio Cymru(Varteg Hill)	94.1	Radio 4(Lyme Regis)	95.1	Radio 4(Cletraval)
93.3	Radio Scot(Girvan)	94.1	Radio 4(Mickleham)		

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95.1	Radio 4(Eitshal)	96.2	Lantern(Huntshaw Cross)	97.4	Cool FM(Black Mountain)
95.1	Radio 4(Rothesay)	96.2	Mix 96(Quanton Hill)	97.4	Fox FM(Farthinghoe)
95.1	Radio 4(Strachur)	96.2	SIBC(Bressay)		Gold Radio(Shaftesbury)
95.1	Radio Ulster(Ballycastle)	96.2	Trent FM(Mapperley Ridge)	97.4	Hallam FM(Tapton Hill)
95.1	Radio Wales(Blaenavon)	96.2	Yorkshire Coast(Olivers Mount)	97.4	Moray Firth Radio(Mounteagle)
95.2	BBC Cornwall(Caradon Hill)	96.3	Aire FM(Morley)	97.4	Q103(Icweell Hill)
95.2	BBC Cumbria (Kendal)	96.3	Essex FM(Benfleet)	97.4	Red Dragon FM(Christchurch)
95.2	BBC Thames Valley FM(Oxford)	96.3	GWR FM (West)(Dundry)	97.4	Rock FM(Winter Hill)
95.2	Radio 4(Campbeltown)	96.3	Marcher Coast FM(Great Ormes Head)	97.5	Borders(Berwick-upon-Tweed)
95.2	Radio 4(Fort Augustus)	96.3	QFM(Gleniffer Braes)	97.5	Heartland FM(Faire Mhor)
95.3	BBC Derby(Stanton Moor)	96.4	BRMB(Sutton Coldfield)	97.5	Mercury FM(Horsham)
95.3	BBC Essex(South Benfleet)	96.4	Century FM(Newton)	97.5	Ocean FM(Fort Widley)
95.3	BBC Leeds(Luddenden)	96.4	CFM(Caldbeck)	97.5	Pulse FM(Idle)
95.3	BBC Leeds(Wharfedale)	96.4	Downtown(Limavady)	97.5	West Sound FM(Girvan)
95.3	BBC SCR(Brighton)	96.4	Eagle(Guildford)	97.6	BBC Kent(Folkestone)
95.3	Radio 4(Cambret Hill)	96.4	Gemini FM(Beacon Hill)	97.6	Chiltern FM(Dunstable)
95.3	Radio 4(Crieff)	96.4	Neptune Radio(Creteway Down)	97.6	Forth FM(Black Hill)
95.3	Radio 4(Girvan)	96.4	SGR FM (Bury)(Great Barton)	97.6	NorthSound One(Balgownie)
95.3	Radio 4(Kirkconnel)	96.4	Signal 105(Sutton Common)	97.6	Wyvern FM(Ridge Hill)
95.3	Radio 4(Meldrum)	96.4	Sound Wave(Kilvey Hill)	97.7	Radio 1(Ballachulish)
95.3	Radio 4(Oban)	96.4	Tay FM(Perth)	97.7	Radio 1(Bowmore)
95.3	Radio Ulster(Carnmoney Hill)	96.5	GWR FM (East)(Marlborough)	97.7	Radio 1(Cirencester Town)
95.4	BBC Newcastle(Pontop Pike)	96.5	Orchard FM(Taunton)	97.7	Radio 1(Cletraval)
95.4	BBC Thames Valley FM(Windsor)	96.5	RadioWave(Blackpool Tower)	97.7	Radio 1(Deniolen)
95.4	Radio Ulster(Limavady)	96.5	South West Sound(Cairn Pat)	97.7	Radio 1(Festiniog)
95.5	BBC Bristol & Somerset(Mendip)	96.5	Trent FM(Fishponds Hill)	97.7	Radio 1(Grantham)
95.5	BBC Lancashire(Hambleton Hill)	96.6	Ceredigion(Mydydd Pencaerreg)	97.7	Radio 1(Guildford)
95.5	BBC Nottingham(Mansfield)	96.6	Classic Hits(Pimlico)	97.7	Radio 1(Hastings)
95.5	BBC Suffolk(Lowestoft)	96.6	Downtown(Brougher Mountain)	97.7	Radio 1(Llanddies)
95.5	BBC Three Counties(Sandy Heath)	96.6	Moray Firth Radio(Cairn Gorm)	97.7	Radio 1(Mallaig)
95.5	BBC York(Oliver's Mount)	96.6	Nevs Radio(Trislaig)	97.7	Radio 1(Manningtree)
95.5	Radio 4(Carmarthen)	96.6	Northants 96(Northampton)	97.7	Radio 1(North Hessay Tor)
95.5	Radio 4(Penicuik)	96.6	Plymouth Sound FM(Tavistock)	97.7	Radio 1(Penfilier)
95.5	Radio 4(Rosemount)	96.6	Spirit FM(The Trundle)	97.7	Radio 1(Sandale)
95.6	BBC Cumbria (Sandale)	96.6	TFM(Bilsdale)	97.8	Radio 1(Betws-y-Coed)
95.6	BBC WM(Sutton Coldfield)	96.7	BBC Kent(Wrotham)	97.8	Radio 1(Calne)
95.6	Radio 4(Brougher Mountain)	96.7	City 96.7 FM(Allerton Park)	97.8	Radio 1(Knock More)
95.6	Radio 4(Kinlochleven)	96.7	City Beat 96.7(Black Mountain)	97.8	Radio 1(Nailsworth)
95.6	Radio 4(South Knappdale)	96.7	KL FM(Great Massingham)	97.8	Radio 1(Newbury)
95.7	BBC Cambridgeshire(Peterborough)	96.7	Lincs FM(Grantham)	97.8	Radio 1(Pendle Forest)
95.7	Radio 4(Bowmore)	96.7	Moray Firth Radio(Mormond Hill)	97.8	Radio 1(Rheola)
95.7	Radio 4(Kingussie)	96.7	Ocean FM(Crabwood Farm)	97.9	Radio 1(Bressay)
95.7	Radio 4(Melvaig)	96.7	West Sound FM(Darvel)	97.9	Radio 1(Forfar)
95.7	Radio Cymru(Llanfyllin)	96.7	Wyvern FM(Kidderminster)	97.9	Radio 1(Lethanhill)
95.8	BBC Cleveland(Whitby)	96.8	Borders(Selkirk)	97.9	Radio 1(Llwyn-Onn)
95.8	BBC Devon(Exeter)	96.8	Radio Cymru(Wenvoe)	97.9	Radio 1(Millburn Muir)
95.8	BBC Gloucestershire(Cirencester)	96.9	B97 (Sandy Heath)	97.9	Radio 1(Ness of Lewis)
95.8	BBC Merseyside(Allerton Park)	96.9	Bay (The)(Morecambe Bay)	97.9	Radio 1(Rostrevor Forest)
95.8	Capital FM(Croydon)	96.9	Choice FM London(Croydon)	97.9	Radio 1(St Just)
95.8	Radio 4(Black Hill)	96.9	NorthSound One(Durris)	97.9	Radio 1(Sutton Coldfield)
95.9	BBC Humberside(High Hunsley)	96.9	Signal One(Pye Green)	97.9	Radio 1(Ullapool)
95.9	Invicta FM(Thanet)	96.9	Southern FM(Newhaven)	97.9	Radio 1(Wensleydale)
95.9	Radio 4(Dalburgh)	96.9	Viking FM(High Hunsley)	97.9	Radio 1(Westwood)
95.9	Radio 4(Durris)	97.0	2-Ten FM(Broad Street Mall)	97.9	Radio 1(Windermere)
95.9	Radio 4(Fort William)	97.0	Chyde 1(Millburn Muir)	97.9	Radio Nan G(Lochgilphead)
95.9	Radio 4(Keelylang Hill)	97.0	Gemini FM(St Thomas)	98.0	Radio 1(Campbeltown)
95.9	Radio Wales(Christchurch)	97.0	Invicta FM(Dover)	98.0	Radio 1(Carnel)
96.0	BBC Cambridgeshire(Cambridge)	97.0	Mercia FM(Shilton)	98.0	Radio 1(Douglas)
96.0	BBC Cornwall(Isles of Scilly)	97.0	Nevs Radio(Glencoe)	98.0	Radio 1(Ebbw Vale)
96.0	BBC Devon(Okehampton)	97.0	Plymouth Sound FM(Plympton)	98.0	Radio 1(Hebden Bridge)
96.0	BBC Newcastle(Chatto)	97.0	South West Sound(Riddings Hill)	98.0	Radio 1(Kenley)
96.0	BBC Shropshire(The Wrekin)	97.1	Delta Radio(Haslemere)	98.0	Radio 1(Peebles)
96.0	Radio 4(Divis)	97.1	Metro FM(Burnhope)	98.0	Radio 1(Penmaen Rhos)
96.0	Wessex FM(Bridport)	97.1	Metro FM(Tyne Tunnel)	98.0	Radio 1(Porth)
96.1	BBC Cumbria (Morecambe Bay)	97.1	MFM(Moel-y-Parc)	98.0	Radio 1(Walsden South)
96.1	BBC Solent(Rowridge)	97.1	Orchard FM(Cheddington)	98.0	Radio 1(Wharfedale)
96.1	Invicta FM(Wye)	97.1	Radio 1(Les Platons)	98.0	Radio Scott(Penicuik)
96.1	Radio 4(Glengorm)	97.1	SGR FM Ipswich(Foxhall Heatn)	98.1	Radio 1(Barnstaple)
96.1	Radio 4(Innerleithen)	97.2	Beacon(Turners Hill)	98.1	Radio 1(Blaenavon)
96.1	Radio 4(Ness of Lewis)	97.2	Galaxy(Pur Down)	98.1	Radio 1(Cwmafan)
96.1	Radio 4(Penfilier)	97.2	GWR FM (East)(Blunsdon)	98.1	Radio 1(idle)
96.1	Radio 4(Ullapool)	97.2	Manx(Douglas)	98.1	Radio 1(Plympton)
96.1	Radio Cymru(Llandinam)	97.2	Stray FM(Harlow Hill)	98.1	Radio 1(Pontop Pike)
96.1	SGR Colchester(Wivenhoe Park)	97.2	Wessex FM(Bincombe)	98.1	Radio 1(Rothesay)
96.2	Century FM(Fenham)	97.3	Forth FM(Craigkelly)	98.1	Radio 1(Skriarg)
96.2	KFM(Tunbridge Wells)	97.3	News Direct 97.3 FM(Croydon)	98.2	Radio 1(Berwick-upon-Tweed)
96.2	Kix 96(Coventry City Centre)	97.4	Ceredigion(Penwaun)	98.2	Radio 1(Bow Brnckhill)

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98.2	Radio 1(Fort Augustus)	98.9	Radio 1(Rhymney)	99.7	Radio 1(Landyfriog)
98.2	Radio 1(Llangeinor)	98.9	Radio 1(South Knapdale)	99.7	Radio 1(Marlborough)
98.2	Radio 1(Penicuik)	99.0	Radio 1(Andover)	99.7	Radio 1(Peterborough)
98.2	Radio 1(Ridge Hill)	99.0	Radio 1(Brougher Mountain)	99.7	Radio 1(Rumster Forest)
98.2	Radio 1(Rowridge)	99.0	Radio 1(Durris)	99.7	Radio 1(Tullich)
98.2	Radio 1(Strachur)	99.0	Radio 1(Hokcombe Down)	99.8	Radio 1(Clyro)
98.2	Radio 1(Winter Hill)	99.0	Radio 1(Hutton)	99.9	Classic FM(Sandale)
98.3	Radio 1(Abergavenny)	99.0	Radio 1(Kilkeel)	100.0	Classic FM(North Hessary Tor)
98.3	Radio 1(Ardgour)	99.0	Radio 1(Llandecwyn)	100.0	Kiss 100 FM(Croydon)
98.3	Radio 1(Belmont)	99.0	Radio 1(Machynlleth)	100.1	Classic FM(Angus)
98.3	Radio 1(Ben Gullipen)	99.0	Radio 1(Newton)	100.1	Classic FM(Sutton Coldfield)
98.3	Radio 1(Blaenplwyf)	99.0	Radio 1(Ventnor)	100.2	Classic FM(Douglas)
98.3	Radio 1(Cambret Hill)	99.1	Radio 1(Axe Valley)	100.3	Classic FM(Pontop Pike)
98.3	Radio 1(Camlough)	99.1	Radio 1(Darvel)	100.3	Classic FM(Rowridge)
98.3	Radio 1(Folkestone)	99.1	Radio 1(Darwen)	100.3	Scot FM(Black Hill)
98.3	Radio 1(Kirkconnel)	99.1	Radio 1(Glengorm)	100.4	Classic FM(Bow Brickhill)
98.3	Radio 1(Londonderry)	99.1	Radio 1(Innerfeithen)	100.4	Classic FM(Ridge Hill)
98.3	Radio 1(Luddenden)	99.1	Radio 1(Kilvey Hill)	100.4	Jazz FM 100.4(Winter Hill)
98.3	Radio 1(Meldrum)	99.1	Radio 1(Oxford)	100.4	Medway FM(Gillingham)
98.3	Radio 1(Okhampton)	99.1	Radio 1(Pennar)	100.5	Classic FM(Belmont)
98.4	Radio 1(Ballycastle)	99.1	Radio 1(Romaldkirki)	100.5	Classic FM(Londonderry)
98.4	Radio 1(Beacon Hill)	99.1	Radio 1(Sacombe)	100.5	Classic FM(Meldrum)
98.4	Radio 1(Carnmoney Hill)	99.2	Radio 1(Bexhill)	100.5	Classic FM(Prescelly)
98.4	Radio 1(Chippenham)	99.2	Radio 1(Ferndale)	100.6	Classic FM(Crystal Palace)
98.4	Radio 1(Isles of Scilly)	99.2	Radio 1(Gogwell)	100.7	Century FM(Bilsdale)
98.4	Radio 1(Membury)	99.2	Radio 1(Keswick Forest)	100.7	Classic FM(Arfon)
98.4	Radio 1(Penaligon Downs)	99.2	Radio 1(Limavady)	100.7	Heart FM(Sutton Coldfield)
98.4	Radio 1(Ton Pentre)	99.2	Radio 1(Llswen)	100.9	Classic FM(Selkirk)
98.5	Radio 1(Brecon)	99.2	Radio 1(Long Mountain)	100.9	Classic FM(Wrotham)
98.5	Radio 1(Cambridge)	99.2	Radio 1(Ludlow)	101.0	Classic FM(Fenham)
98.5	Radio 1(Carmarthen)	99.2	Radio 1(Rosemarkie)	101.0	Galaxy(Mendip)
98.5	Radio 1(Chard)	99.2	Radio 1(Rosemount)	101.1	Classic FM(Blaen Plwyf)
98.5	Radio 1(Crystal Palace)	99.2	Radio 1(Whalley)	101.1	Classic FM(Holme Moss)
98.5	Radio 1(Girvan)	99.2	Radio 1(Whitby)	101.1	Scot FM(Craigkelly)
98.5	Radio 1(Keighley)	99.3	Radio 1(Barnoldswick)	101.2	Waves Radio*(Mormond Hill)
98.5	Radio 1(Llangollen)	99.3	Radio 1(Caterham)	101.3	Classic FM(Darvel)
98.5	Radio 1(Northampton)	99.3	Radio 1(Cornholme)	101.3	Classic FM(Kilvey Hill)
98.5	Radio 1(Oban)	99.3	Radio 1(Eyemouth)	101.3	Classic FM(Oxford)
98.5	Radio 1(Todmorden)	99.3	Radio 1(Kinlochleven)	101.4	Classic FM(Mount Eagle)
98.5	Radio 1(Varteg Hill)	99.3	Radio 1(Lyme Regis)	101.5	Classic FM(Redruth)
98.6	Radio 1(Abertillery)	99.3	Radio 1(Mickleham)	101.5	Classic FM(Tacolneston)
98.6	Radio 1(Bath)	99.3	Radio 1(Mynydd Pencarreg)	101.6	Classic FM(Great Ormes Head)
98.6	Radio 1(Bilsdale)	99.3	Radio 1(Newhaven)	101.6	KFM(Wrotham)
98.6	Radio 1(Blunston)	99.3	Radio 1(Redruth)	101.6	Wey Valley(Bordon)
98.6	Radio 1(Chesterfield)	99.3	Radio 1(Saddleworth)	101.6	Wey Valley(Four Marks)
98.6	Radio 1(Churchdown Hill)	99.3	Radio 1(Stranraer)	101.7	Classic FM(Black Hill)
98.6	Radio 1(Croeserw)	99.3	Radio 1(Tacolneston)	101.7	Classic FM(Sheffield)
98.6	Radio 1(Kendal)	99.3	Radio 1(Weardale)	101.7	Classic FM(Wenvoe)
98.6	Radio 1(Kirkton Mailer)	99.3	Radio 1(Whitehaven)	101.7	Ten 17(Rye Hill)
98.6	Radio 1(Minehead)	99.4	Radio 1(Beecroft Hill)	101.8	Century FM(Burnhope)
98.6	Radio 1(Port Ellen)	99.4	Radio 1(Eitshal)	101.8	Classic FM(Dover)
98.6	Radio 1(St Thomas)	99.4	Radio 1(Fenham)	101.8	Classic FM(Morecambe Bay)
98.7	Radio 1(Ashkirk)	99.4	Radio 1(Grantown)	101.9	Classic FM(Divs)
98.7	Radio 1(Bridport)	99.4	Radio 1(Hemdean)	101.9	Classic FM(Peterborough)
98.7	Radio 1(Combe Martin)	99.4	Radio 1(Kingswear)	101.9	Classic FM(Whitehawk Hill)
98.7	Radio 1(Conwy)	99.4	Radio 1(Llanddona)	102.0	Bear (Lark Stoke)
98.7	Radio 1(Egford Hill)	99.4	Radio 1(Llanrhaeadr-ym-Mochnant)	102.0	Galaxy 102(Sunley Building)
98.7	Radio 1(Kingussie)	99.4	Radio 1(Salisbury)	102.0	Southern FM(Hastings)
98.7	Radio 1(Larne)	99.4	Radio 1(Stanton Moor)	102.0	Spire FM(Camp Hill)
98.7	Radio 1(Llandrindod Wells)	99.5	Radio 1(Black Hill)	102.0	Wey Valley(Alton)
98.7	Radio 1(Lanfyllin)	99.5	Radio 1(Hastingden)	102.1	NECR(Meldrum)
98.7	Radio 1(Melvaig)	99.5	Radio 1(Ivybridge)	102.2	CFM(Broughton Moor)
98.7	Radio 1(West Kilbride)	99.5	Radio 1(Oliver's Mount)	102.2	Choice FM Birm'ham(Metropol' H'se)
98.8	Radio 1(Aberdare)	99.5	Radio 1(Sheffield)	102.2	GWR FM (East)(Naish Hill)
98.8	Radio 1(Chalford)	99.5	Radio 1(Swingate)	102.2	Jazz FM 102.2(Croydon)
98.8	Radio 1(Ogmore Vale)	99.5	Radio 1(Wenvoe)	102.2	Lincs FM(Belmont)
98.8	Radio 1(Priolochry)	99.6	Radio 1(Buxton)	102.2	Lochbroom(BBC Ullapool)
98.8	Radio 1(Pontypool)	99.6	Radio 1(High Wycombe)	102.2	Pirate FM(Caradon Hill)
98.8	Radio 1(Rosneath)	99.6	Radio 1(Morecambe Bay)	102.2	SIBC(Lerwick)
98.8	Radio 1(Wrotham)	99.6	Radio 1(Weymouth)	102.3	2CR FM(Nine Barrow Down)
98.9	Radio 1(Creiff)	99.6	Radio 1(Woolmoor)	102.3	Bay (The)(Windermer)
98.9	Radio 1(Daliburgh)	99.7	Radio 1(Basingstoke)	102.3	Minster FM(Calvert's Carpets)
98.9	Radio 1(Fort William)	99.7	Radio 1(Brighton)	102.3	Nevis Radio(Cnoc Malagan)
98.9	Radio 1(Haverfordwest)	99.7	Radio 1(Chalton)	102.3	Spirit FM(Hammerpot)
98.9	Radio 1(Holme Moss)	99.7	Radio 1(Divs)	102.4	Broadland(Stoke Holy Cross)
98.9	Radio 1(Ilchester Crescent)	99.7	Radio 1(Dolgellau)	102.4	Downtown(Londonderry)
98.9	Radio 1(Keelylang Hill)	99.7	Radio 1(Llandinam)	102.4	Nevis Radio(Glenachulish)

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102.4	Severn Sound FM(Churchdown Hill)	103.6	Radio 4(Stranraer)	104.6	BBC SCR(Guldford)
102.4	Southern FM(Heathfield)	103.6	Radio Cymru(Long Mountain)	104.6	BBC Suffolk(Gt Barton)
102.4	Wish(Billinge Hill)	103.6	Radio Nan G(Bowmore)	104.6	Radio 4(Camlough)
102.5	CFM(Pennith)	103.7	BBC Coventry & Works(Lark Stoke)	104.6	Radio 4(Carmel)
102.5	Clyde 1(Black Hill)	103.7	BBC York(Aklam Wold)	104.6	Radio 4(Eyemouth)
102.5	Moray Firth Radio(Ben Dorrey)	103.7	Channel 103 FM(Fremont Point)	104.6	Radio 4(Penmaen Rhos)
102.5	Pulse FM(Vicars Lot)	103.7	Manx(Jurby)	104.6	Radio Cymru(Ebbw Vale)
102.6	Essex FM(Bakers Wood)	103.7	Radio 4(Mynydd Pencarreg)	104.6	Radio Cymru(Llangeinor)
102.6	Fox FM(Oxford)	103.7	Radio Cymru(Ogmore Vale)	104.6	Radio Nan G(Oban)
102.6	Metro FM(Shilbottle)	103.7	Radio Cymru(Pennar)	104.7	BBC Gloucestershire(Churchdown Hill)
102.6	NECR(Scar Hill)	103.7	Radio Nan G(Ballachulish)	104.7	BBC Lincolnshire(Grantham)
102.6	Orchard FM(Mendip)	103.7	Radio Nan G(Clettraval)	104.7	Island FM(Les Touillets)
102.6	Signal One(Alsagers Bank)	103.8	BBC Nottingham(Mapperley Ridge)	104.7	Minster FM(Acklam Wold)
102.7	BBC Leeds(Keighley)	103.8	BBC Solent for Dorset(Bincombe Hill)	104.7	Radio 4(Aberdare)
102.7	Hereward FM(Gunthorpe)	103.8	BBC Three Counties(Zouches Farm)	104.7	Radio 4(Brecon)
102.7	Mercury FM(Reigate)	103.8	Radio 4(Llandrindod Wells)	104.7	Radio Nan G(Black Hill)
102.8	Invicta FM(Dunkirk)	103.8	Radio 4(Rosneath)	104.7	Radio Nan G(Fort Augustus)
102.8	Moray Firth Radio(Tor Siasg)	103.8	Radio Cymru	104.7	Radio Nan G(Skraig)
102.8	Pirate FM(Redruth)	103.8	(Llanrhaeadr-ym-Mochnant)	104.8	BBC SCR(Burton Down)
102.8	Ram FM(Quarndon)	103.9	BBC Cornwall(Redruth)	104.8	Radio 4(Llandloes)
102.8	Tay FM(Angus)	103.9	BBC Lancashire(Winter Hill)	104.8	Radio 4(Llwyn-Onn)
102.8	Wyvern FM(Malvern)	103.9	BBC Leeds(Beecroft Hill)	104.8	Radio 4(Pontypool)
102.9	2-Ten FM(Hannington)	103.9	BBC Suffolk(Manningtree)	104.8	Radio 4(Rheolu)
102.9	Hallam FM(Ardsley)	103.9	Radio 4(Ashkirk)	104.8	Radio Nan G(South Knapdale)
102.9	Mercia FM(Leamington Spa)	103.9	Radio 4(Kilkeel)	104.9	BBC Leicester(Copt Oak)
102.9	Q102.9(Londonderry)	103.9	Radio 4(Pitlochry)	104.9	BBC Wiltshire Sound(Marlborough)
103.0	Gemini FM(Stockland Hill)	103.9	Radio 4(Rostrevor Forest)	104.9	Radio 4(Ben Gullipen)
103.0	GWR FM West(Bath)	103.9	Radio Nan G(Melvaig)	104.9	Radio 4(Betws-y-Coed)
103.0	Isles FM*(Eitshal)	104.0	BBC Coventry and Works(Nuneaton)	104.9	Radio 4(Clyro)
103.0	Key 103(Saddleshorth)	104.0	BBC Hereford/Worcs(Great Malvern)	104.9	Radio 4(Haverfordwest)
103.0	Metro FM(Fenham)	104.0	BBC SCR(Reigate)	104.9	Radio Cymru(Ferndale)
103.0	NorthSound One(Stirling Hill)	104.0	Radio 4(Blaenplwyf)	104.9	Radio Cymru(Llandecwyn)
103.0	Q103(Madingley)	104.0	Radio Cymru(Blaenavon)	104.9	Radio Cymru(Rhymney)
103.0	Severn Sound FM(Stroud)	104.1	BBC Cumbria (Whitehaven(FM))	104.9	Radio Nan G(Ardgour)
103.0	South West Sound(Cambret Hill)	104.1	BBC Sheffield(Holme Moss)	104.9	Radio Nan G(Ness of Lewis)
103.1	Beacon(The Wrekin)	104.1	BBC Stoke(Stafford)	104.9	Radio Nan G(Port Ellen)
103.1	Borders(Peebles)	104.1	BBC Thames Valley FM(Hannington)	104.9	Radio Nan G(Rosemarke)
103.1	Central FM(Earls Hill)	104.1	Radio 4(Deiniolen)	104.9	Radio Nan G(Ullapool)
103.1	Downtown(Camlough)	104.1	Radio 4(Millburn Muir)	104.9	Signal 105(Romiley)
103.1	Invicta FM(Bluebell Hill)	104.1	Radio Nan G(Craigkelly)	104.9	xFM(Crystal Palace)
103.1	Yorkshire Coast(Whitby)	104.2	BBC Cumbria (Windermere)	105.1	Galaxy 105(Emley Moor)
103.2	Alpha 103.2(Darlington)	104.2	BBC Kent(Swingate)	105.4	Leicester Sound(Billesdon)
103.2	Bay (The)(Kendal)	104.2	BBC Northampton(Northampton)	105.4	Melody(Croydon)
103.2	Metro FM(Newton)	104.2	Radio 4(Grantown)	105.6	Galaxy 105(idle)
103.2	NECR(Hill of Foundland)	104.2	Radio 4(Kilvey Hill)	105.6	Galaxy 105(Tapton Hill)
103.2	Power FM(Chillerton Down)	104.2	Radio Nan G(Dalilburgh)	105.6	Vibe FM(Madingley)
103.2	Red Dragon FM(Wenallt)	104.2	Radio Nan G(Fort William)	105.8	Galaxy 105(High Hunsley)
103.2	Sunrise Radio(Idle)	104.2	Radio Nan G(Strachur)	105.8	Virgin Radio(Croydon)
103.3	Ceredigion(Blaen Plwyf)	104.3	BBC Wiltshire Sound(Naish Hill)	106.0	CTFM(Canterbury)
103.3	Clyde 1(Rosneath)	104.3	BBC York(Woolmoor)	106.0	Radio 106(Copt Oak)
103.3	Horizon FM103 (Bow Brickhill)	104.3	Radio 4(Darvel)	106.1	Vibe FM(Stoke Holy Cross)
103.3	London Greek Radio(Alexandra Palace)	104.3	Radio 4(Ton Pentre)	106.2	Heart 106.2(Croydon)
103.3	Oban FM(Pulpit Hill)	104.3	Radio Cymru(Abertillery)	106.4	Vibe FM(Mendlesham)
103.4	2-Ten FM(Henley)	104.3	Radio Cymru(Llangollen)	106.6	Star FM(Slough)
103.4	BBC Devon(North Hessary Tor)	104.3	Radio Nan G(Eitshal)	106.8	Millennium Radio(Shooters Hill)
103.4	Beach (The)(Lowestoft)	104.3	Radio Nan G(Mallaig)	106.8	Neptune Radio(Guston)
103.4	Borders(Eyemouth)	104.3	Radio Nan G(Penifiler)	107.2	TLR*(Broadstairs)
103.4	CFM(Whitehaven)	104.4	BBC Newcastle(Fenham)	107.6	Channel Travel(M20/Channel ports)
103.4	Hallam FM(Clifton)	104.4	BBC Norfolk(Gt. Massingham)	107.6	Crash FM*(nk)
103.4	MFM(Wrexham)	104.4	BBC Thames Valley FM(Reading)	107.7	Vibe FM(Gunthorpe)
103.4	Sun FM(Haining)	104.4	Radio 4(Conwy)	107.7	Wolf(Mander House)
103.5	BBC Essex(Great Braxted)	104.4	Radio 4(Llandyfriog)	107.8	Thames FM(Tolworth Tower)
103.5	BBC Wiltshire Sound(Newton Barrow)	104.4	Radio 4(Llyswen)	107.9	Cambridge Red(Lime Kiln Hill)
103.5	Radio 4(Ffestiniog)	104.4	Radio Nan G(Kinlochleven)	107.9	Dune FM(Gaw Hill)
103.5	Radio 4(Larne)	104.4	Radio Nan G(Penicuik)	107.9	Huddersfield FM*(Fixby Ridge)
103.5	Radio 4(Varteg Hill)	104.5	BBC Derby(Drum Hill)	107.9	Medway FM(Hoo St Werburgh)
103.5	Radio 4(West Kilbride)	104.5	BBC Lancashire(Lancaster)	107.9	Oxygen(Westgate Centre)
103.5	Radio Cymru(Abergavenny)	104.5	BBC SCR(Heathfield)		
103.5	Radio Nan G(Glengorm)	104.5	BBC Three Counties(Bow Brickhill)		
103.5	Southern FM(Whitehawk Hill)	104.5	Radio 4(Kirkton Mailer)		
103.6	BBC Northampton(Geddington)	104.5	Radio 4(Rumster Forest)		
103.6	BBC Wiltshire Sound(Blunston)	104.5	Radio 4(Tullich)		
103.6	Radio 4(Croeserw)	104.5	Radio Cymru(Cwrmfan)		
103.6	Radio 4(Dolgelau)	104.5	Radio Cymru(Porth)		
103.6	Radio 4(Llandona)	104.6	BBC Bristol & Somerset Sound(Bath)		
103.6	Radio 4(Machynlleth)	104.6	BBC GMR Talk(Saddleworth)		
103.6	Radio 4(Rosemarke)	104.6	BBC Hereford/Worcs(Kidderminster)		

\* Stations marked with an asterisk were planned, but not on-air at the time of publication.

# transmitter grid references

Aberdare	SO 034013	Canterbury	TR 133592	Folkestone FM	TR 229382
Abergavenny	SO 244126	Caradon Hill	SX 273707	Forden	SJ 205000
Abertillery	SO 224023	Carlisle	NY 412526	Forfar	NO 482409
Acklam Wold	SE 795619	Carmarthen	SN 412213	Fort Albert	WA 589086
Alexandra Palace	TQ 297901	Carmel	SN 576153	Fort Augustus	NH 361049
Allerton Park	SJ 421866	Carmmoney H II	J 336829	Fort Widley	SU 657065
Allesley Park	SP 296796	Caterham	TQ 343557	Fort William	NN 117772
Alsagers Bank	SJ 812478	Chalford	SO 883017	Four Marks	SU674354
Alton	SU 722386	Chard	ST 358086	Foxhall Heath	TM 212445
Andover	SU 378451	Chatterton	NU 105264	Freemans Common	SK 589027
Angus	NO 394407	Chedington	ST 501050	Fremont Point	UT 634559
Anstey Lane	SK 564068	Chelmsford	TL 660034	Frarnton Road	NO 119213
Ardgour	NM 989626	Cheltenham Racecourse	SO 959249	Fulford	SE 604497
Ardley	SE 390061	Chesterfield	SK 383764	Gaywick	TQ 276423
Arfon	SH 476493	Chesterton Fen	TL 477608	Gaw Hill	SD 400076
Ashkirk	NI 470244	Chillerton Down	SZ 475835	Geddington	SP 908839
Ashton Moss	ST 915985	Chippenhain	ST 914751	Gillingham	TQ 776667
Axe Valley	SX 283945	Chrischurch	ST 353896	Girvan	NX 211981
Bakers Wood	TL 660034	Churchdown Hill	SO 880188	Glade Lane	TQ 140796
Balgownie	NJ927104	Cirencester	SP 004057	Glenachulish	NN 034591
Ballauchulish	NN 059593	Cirencester Tower	SP 023021	Glencoe	NN 260515
Ballycastle	DO 77423	Cletraval	NF 751716	Glengorm	NM 465565
Barnoldswick	SO 897480	Clevedon	ST 400697	Gleniffer Braes	NS 457598
Barnstaple FM	SS 502289	Clifton	SK 518959	Gloucester	SO 841230
Barnstaple MF	SS 519298	Clipstone	SK 583642	Gogwell	SE 967111
Barrow	SU 218707	Clyro	SO 204432	Goxhill	TA 108246
Basingstoke	SU 600488	Cnoc Malagan	NG 654081	Grantham	SK 905337
Bath	ST 769654	Colnswell	NT 221861	Grantown	NJ 003267
Battersea	TQ289774	Combe Martin	SE 582462	Great Barton	TL 886686
BBC Ullapool	NH 142935	Conwy	SH 781765	Great Braxted	TL 870149
Beacon Hill	SX 857620	Cookstown	IH837773	Great Malvern	SO 774464
Bebington	SJ 351838	Coit Oak	SK 483126	Great Ormes Head	SH 766834
Bedford	TL 035464	Cornholme	SD 918264	Greenside	NZ 151627
Becroft Hill	SE 237350	Cothredney	SO 805540	Greenside Scalp	NO 431290
Belmont	TF 217837	Coventry City Centre	SP331795	Gr Massingham	TF 788228
Ben Dorrey	ND 063551	Crabwood Farm	UU424602	Guernsey (Rohais)	02W3349N27
Ben Gulpenen	NM 598045	Craigavon	NT 233872	Guildford	SU 975486
Benliefel	TQ 790867	Craigkeilly	TR 229382	Guston	TF 189032
Berwick-on-Tweed	NT 980547	Creteway Down	TR 229382	Hackney	TQ 320436
Betws-Y-Coed	SK 825582	Crieff	NN 814200	Hadfield Road	TR 359867
Bexhill	TQ 744080	Crimpsall	SE 566032	Haddington	NZ 165746
Bexhill MF	TQ 724071	Croesew	SE 858952	Hampden Hill	NZ 357512
Billesdon	SK 725050	Croydon	TQ 332696	Hammerpot	SD 808288
Billinge Hill	SO 523016	Crystal Palace	TQ 339712	Hannington	TQ 072055
Bilsdale West Moor	SE 553962	Cwymalan	SE 5798936	Harlow Hill	SU 527568
Bincombe	SY 687848	Dalburgh	NF 736216	Haslemere	SE 288542
Bincombe Hill	SY 678857	Darlington	NZ284187	Hastings	SD 886331
Black Hill	NJ 828647	Dartford Marshes	TQ553769	Hastings	SD 795236
Black Mountain	II 278727	Dartford Tunnel	TQ 571769	Haverfordwest	TQ 807100
Blackpool Tower	SD 306360	Daveil	NS 557314	Hazelshaw Hill	SN 028261
Blaen Pwylf	SN 569756	Darwen	SD 708223	Healthfield	NY 063767
Blaenavon	SO 277063	Dechmont Hill	NS 647578	Healthrow	TQ 566220
Bluebell Hill	TQ 757613	Deoniolen	SH 576621	Hebden Bridge	SO 988267
Blunsdon	SU 143900	Derby	SK 349367	Hermdene	SU 710762
Bodmin	SX 095681	Divis	J 286750	Henley	SU 780822
Bordon	SU 795344	Dolgeilau	SX 727185	High Hunsley	SE 946350
Boston	TF 260448	Douglas (IOM)	SK 373746	High Wycombe	SU 856942
Bournemouth	SZ 070926	Dover	TR 274397	Hill of Fouldland	NJ 608335
Bow Brickhill	SP 914342	Drum Hill	SO 929663	Holme of Down	SK 934752
Bowmore	NR 318590	Dumfries	SK 375421	Holme Moss	SE 095041
Brecon	SO 030299	Dundee	NO 431290	Hoo	TQ 790720
Breinton	SO 472406	Dundry	ST 551669	Hoo St	TQ 788730
Bressay	HU 503387	Dunkirk	TR 078590	Hoo St Werburgh	TQ 774731
Bridlesford Farm	SZ 530900	Dunstable	TL 044210	Horsham	TQ 176307
Brpport	SY 453915	Durris	NO 763897	Hull	TA 169258
Brighton	TQ 234051	Duxhurst	TQ 258453	Huntshaw Cross	SS 527221
Brighton(Whitehawk Hill)	TQ 330045	Eaith Hill	NS 718884	Hutton	ST 361588
Broad Street Mall	SU713733	Ebbw Vale	NS 159088	Idle	TF 640635
Brookmans Park	TL 259050	Egford Hill	ST 764481	Ilchester Crescent	SE 163374
Brougher Mountain	H 350527	Eitshal	NB 305302	Innerleithen	ST 577700
Broughton Moor	NY058330	Emley Moor	SE 222128	Isle Of Scilly	NT 325368
Brundall	TG 305077	Enfield Football Club	TQ341966	Isle Of Scilly	SU 911124
Burghhead	NJ 125685	Enniskillen	H 232457	hybndge	SK 631358
Burnaston Lane	SK 297314	Exeter	SX 931881	Jersey (Trinity)	02W0649N13
Burnhope	NZ 184474	Exmouth	NT 947599	Keelylang Hill	HY 378102
Burton Down	SU 965131	Faire Mhor	NM 993583	Keighley	SE 069444
Buxton	SK 060753	Fareham	SU 546058	Kempston	TL 035464
Carn Gorm	NJ006048	Farington Marshes	SU 688052	Kendal	SD 540912
Carn Pat	NX 044563	Farnford	SJ 405554	Kenley	TQ 329592
Caldbeck	NY 299425	Farnley	SE 241307	Keswick Forest	NY 232244
Calne	ST 997699	Farthinghoe	SP 532387	Kettering	SE 557595
Calvert's Carpets	SE429819	Fenham	NZ 216648	Kidderminster	SO 808739
Cambret Hill	NX 524578	Fern Barrow	SZ 070926	Kilkeel	J 281180
Cambridge (Madingley)	TL 392594	Ferndale	ST 006970	Kilvey Hill	SK 672940
Cambridge ChestertonFen	TL 477608	Ffestiniog	SK 709392	Kings Heath	SU 740633
Camlough	II 055246	Fishponds Hill	SK 514609	Kingswear	SK 887511
Camp Hill	SU 112337	Folkestone	TR 255389	Kingussie	NN 769985
Campbelltown	NR 707192				

# transmitter grid references

Kinlochleven	NN 178630	Oban	NM 850290	Stagshaw	NY 986709
Kirkconnel	NS 746150	Occombe	SX 878630	Stanton Moor	SK 246637
Kirkton Maier (Perth)	NO 102210	Ogmore Vale	SS 929894	Start Point	SX 814378
Knock More	NJ 321497	Okehampton	SX 586967	Stirling Hill	NK 124411
Knock-Breckan	LI 372675	Olivers Mount	TA 040869	Stockland Hill	ST 222014
Lacock	SD 928674	Orccliffe	SD 444613	Stockton	TG 420218
Lancaster	SD 490662	Oxford	SP 567105	Stoke Holy Cross	NZ 258026
Langley Mill	SP 160968	Pearce's Hill	SX 931881	Strachur	NM 094027
Lark Stoke	SP 187427	Peasmarsh	SU 984459	Stranraer	NX 111632
Larne	D 395037	Peebles	NT 228416	Stroud	SO 836077
Leamington Spa	SP 329663	Penalogue Downs:	SX 026683	Sunley Building	SJ 844983
Lenwick	HU 475415	Pendle Forest	SD 825384	Sutton Coldfield	SK 113003
Les Platons (Cl)	O2W06 49N15	Penicuik	NT 229597	Sutton Common	SJ 933676
Les Touillets	O2W34 49N27	Penfiliur	NG 489417	Swindon	SU 159825
Lethanhill	NS 438105	Penmaen Rhos	SH 877779	Swingate	TR 334429
Lewsey Farm	TL 043241	Penmon	S4 615789	Symington	NS 377334
Limavady	C 711296	Pennar	ST 209958	Tacolneston	TM 131958
Lincoln (Swan Pool)	SK 956710	Penrith	NY 531313	Tapton Hill	SK 324870
Lisnagarvey	J 258619	Penrith	SN 154442	Tarbat Ness	NH 929839
Little Shurdington	SO 913175	Perth	NO 102212	Taunton	ST 237253
Littlebourne	TR 203590	Peterborough	TL 127913	Taunton	ST240225
Llandona	SH 582810	Pimlico	TL088045	Tavistock	SX 485716
Llandecwyn	SH 644371	Pitlochry	NM 923565	Telstar Nurseries	TM 192187
Llandinam	SO 050877	Plumer Barracks	SX 490585	Thanet	TR 366678
Llandrindod MF	SO 050606	Plymouth	SX 490589	The Frundle	SU876111
Llandrindon Wells	SO 018635	Plympton	SX 531555	The Wrekin	SJ 628082
Llandyfriog	SN 348412	Pontop Pike	NZ 147527	Todmorden	SD 957241
Llanfyllin	SI 151181	Pontypool	ST 284990	Tolworth Tower	TQ 198659
Llangenor	SS 905886	Port Ellen	NR 338452	Ton Pentre	SS 960955
Llangollen	SI 209488	Portlaoigh	ST 029919	Tonbridge	TQ557401
Llanidloes	SN 948844	Postwick	SG 303086	Torbay	SK 878630
Llanrhaeadr-Ym-Mochnant	SI 174260	Prescelly	SN176306	Tor Siasg	NI 425581
Llwyn-Onn	SH 625175	Preston	SD 625253	Trislagh	NN 086749
Llyswen	SO 137361	Pulpit Hill	NM851290	Trowell	SK 506398
Lochgilphead	NR 848861	Pur Down	ST 610764	Tullich	NO 379984
London (Lois Road)	TQ 264770	Pye Green	SJ 987145	Tunbridge Wells	TQ607440
Londonderry	C 404176	Quainon Hill	SP 750213	Turners Hill	SO 969887
Long Mountain	SI 265057	Quarndon	SK 332419	Tyersal Lane	SE 197322
Longton	SD 467252	Rayleigh	TQ 830904	lyne Tunnel	NZ330659
Lowestoft	TM 540943	Reading	SU 710709	Lywyn	SH 581004
Lowestoft (ILR)	TM 523942	Reading (Fountain House)	SU 711733	Ullapool	NH 142935
Luddenden	SE 048248	Redmoss	NJ 942024	Varteg Hill	SN 776077
Ludlow	SO 498741	Redruth	SW 690394	Veals Farm	SU 397095
Luton (Lewsey Farm)	TL 043241	Redruth MF	SW 709403	Ventnor	SE 567783
Lydd	TR 049208	Reigate	ST 256521	Vicars Lot	SI 071172
Lyme Regis	SY 345935	Rheola	SN 841061	Villa Farm	SO 570707
Machynlleth	SH 723003	Rhymney	SO 127042	Wallasey	SJ 305926
Madingley	TL 392594	Riddings Hill	NX903779	Walsden South	SD 937215
Mallaig	NM 676965	Ridge Hill	SO 630333	Washford	ST 058410
Malvern	SO 774464	Ronaldkirck	NY 974220	Weardale	NZ 025384
Mander House	SO 915986	Romiley	SI 954904	Wenalt	ST153835
Mangotsfield	ST 672780	Rosemarkie	NH 762623	Wensleydale	SD 929207
Manningtree	TM 123295	Rosemount	NO 203435	Wenloe	ST 110742
Manor Farm	SU 710709	Rosneath	NS 258811	Werburgh Littlebourne	TR 203590
Mapperley Ridge	SK 583424	Rostrevor Forest	J 189176	Westgate Centre	SP 512061
Marlborough	SU 209688	Rotherham	SK 432913	West Kilbride	NS 154883
Meldrum	NJ 760329	Rothsay	N5 125691	West Lynn	TF 612188
Melvaig	NG 757900	Rowndge	SZ 447865	Westerglen	NS 868773
Membury	SU 307763	Rumster Forest	ND 197385	Westwood	ST 817598
Mendip	ST 563488	Rusthall	TQ 557401	Weymouth	SY 663779
Meriden	SP 255844	Rye Hill	TL 449067	Whalley	SD 729 352
Metropolitan House	TP 055862	Saddleworth	SD 987050	Wharfedale	SE 198485
Mickleham	TQ 163538	Saffron Green	SD 216977	Whitby	SE 904113
Millburn Muir	NS 378796	Salcombe	SX 753398	Whitehaven FM	NX 992123
Minehead	SS 966452	Salisbury	SU 136285	Whitehaven MF	NX 974172
Moel-y-Parc	SJ 123701	Sandale	NY 266398	Whitehawk Hill	TQ330045
Moorside Edge	SE 070154	Sandy Heath	TL 204494	Windermere	SD 383980
Morecambe Bay	SD 239791	Scarborough	TA 008879	Windsor	SU 968770
Morley	SE 283268	Scar Hill	NJ 486112	Winsh-wen	SS 681966
Mormond Hill	NJ 982569	Sedgely	SO 905939	Winter Hill	SD 660144
Mottram Towers	SI 896898	Selkirk	NT 500294	Wivenhoe Park	TM 028239
Mount Eagle	NH 639580	Shaftesbury	SI864235	Wooftont	SO 511691
Mynydd Pencarreg	SN 577430	Sheffield	SK 324870	Woolmoor	SE 457881
Nailsworth	ST 849990	Sheffield MF	SK 348849	Worcester	SO 846392
Naish Hill	ST 947686	Shilbottle	NU 191081	Wrekenton	NZ 274598
Ness Of Lewis	NB 533603	Shilton	SP 410836	Wrexham	SJ 312497
Newbury	SU 494687	Shooters Hill	TQ 438767	Wrotham	TQ 595604
Newcastle (Wrekenton)	NZ 274598	Shrewsbury DF Site	SJ 471112	Wycombe Marsh	SU 881919
Newhaven	TQ 435006	Sideway	SJ 876434	Wye	TR 066472
Newton	NZ 036653	Skew Hill	SK 327933	Zouches Farm	TL 045210
Newton Barrow	SU 099354	Sknag	NG 451408		
Newtown	SO 134917	Slough	SU 954814		
Nigg	NJ 955032	South Benfleet	TQ 790867		
Nine Barrow Down	SZ 009811	South Knapdale	NR 837748		
North Hessay Tor	SX 578742	Southend	TQ 830904		
North Looe	TQ229610	Southwick	TQ 234051		
Northampton	SP 760647	St Just	SW 382331		
Nuneaton	SP 340938	St Thomas (Exeter)	SX 898922		

# station telephone numbers and addresses

## BBC main switchboard

0171 580 4468

## BBC Radio Information Office

(Gives info about BBC Radio)

No direct number. Transfer via the main switchboard.

## BBC e-mail addresses listed on

[www.bbc.co.uk/email.html](http://www.bbc.co.uk/email.html)

## BBC Engineering Information

Villiers House, The Broadway,

Ealing, London W5 2PA

0345 010313 (local call rate)

or 0181 231 9191

e-mail - [Enginfo@bbc.co.uk](mailto:Enginfo@bbc.co.uk)

## BBC Scotland

0141 330 2345

## BBC Wales

01222 572255

## BBC Northern Ireland

01232 338000

## Radio Authority

Holbrook House, 14 Great

Queen Street, Holborn, London

WC2B 5DG

tel 0171 4302724

[www.radioauthority.gov.uk](http://www.radioauthority.gov.uk)

## Classic FM

Academic House, 24-28 Oval

Road, London NW1 7DQ

tel 0171 284 3000

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

## Virgin Radio

1 Golden Square, London W1R

4DJ tel 0171 434 1215

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

## Talk Radio

76 Oxford Street, London

W1N 0TR

tel 0171 636 1089

## Atlantic 252

Mornington House, Summerhill

Road, Trim, Co Meath

IRELAND. 00353 463 6677

email -

[programming@atlantic252.com](mailto:programming@atlantic252.com)

[www.atlantic252.com](http://www.atlantic252.com)

## BBC local radio stations

### BBC Asian Network, BBC Pebble Mill,

Birmingham B5 7SD

### BBC Radio Bristol, PO Box 194, Bristol

BS99 7QT tel 01179 741111

### BBC Radio Cambridgeshire,

Broadcasting House, 104 Hills Road,

Cambridge CB2 1LD

tel 01223 259696

### BBC Radio Cleveland, PO Box 95FM,

Newport Road, Middlesbrough TS1 5DG

tel 01642 225211

### BBC Radio Cornwall, Phoenix Wharf,

Truro, Cornwall TR1 1UA

tel 01872 75421

### BBC Radio Coventry & Warwickshire,

25 Warwick Road, Coventry CV1 2WR

tel 01203 559911

### BBC Radio Cumbria, Annetwell Street,

Carlisle CA3 8BB tel 01228 592444

### BBC Radio Derby, PO Box 269, Derby

DE1 3H1 tel 01332 361111

### BBC Radio Devon, PO Box 5,

Broadcasting House, Seymour Road,

Mannamead, Plymouth PL1 1XT

tel 01752 260323

### Dorset FM, Portfolio House, Princes

Street, Dorchester DT1 1TP

tel 01305 269654

### BBC Essex, 198 New London Road,

Chelmsford, Essex CM2 9AB

tel 01245 262393

### BBC Radio Gloucestershire, London

Road, Gloucester GL1 1SW

tel 01452 308585

### BBC GLR, 35c Marylebone High Street,

London W1A 4LG tel 0171 224 2424

### BBC GMR, PO Box 951, Oxford Road,

Manchester M60 1SD

tel 0161 200 2000

### BBC Radio Guernsey, Commerce

House, Les Banques, St. Peter Port,

Guernsey CI tel 01481 728977

### BBC Hereford & Worcester, Hylton

Road, Worcester WR2 5WWW

tel 01905 748485

### BBC Radio Humberside, 9 Chapel

Street, Hull HU1 3NU

tel 01482 323232

### BBC Radio Jersey, 18 Parade Road, St.

Helier, Jersey CI tel 01534 870000

### BBC Radio Kent, Sun Pier, Chatham,

Kent ME4 4EZ tel 01634 830505

### BBC Radio Lancashire, 26 Darwin

Street, Blackburn, Lancs BB2 2EA

tel 01254 262411

### BBC Radio Leeds, Broadcasting House,

Woodhouse Lane, Leeds LS2 9PN

tel 0113 244 2131

### BBC Radio Leicester, Epic House,

Charles Street, Leicester LE1 3SH

tel 0116 251 6688

### BBC Radio Lincolnshire, PO Box 219,

Newport, Lincoln LN1 3XY

tel 01522 51\*411

### BBC Radio Merseyside, 55 Paradise

Street, Liverpool L1 3BP

tel 0151 708 5500

### BBC Radio Newcastle, Broadcasting

Centre, Barrack Road, Newcastle upon

Tyne NE99 1RN tel 0191 232 4141

### BBC Radio Norfolk, Norfolk Tower,

Surrey Street, Norwich NR1 3PA

tel 01603 617411

### BBC Radio Northampton, Broadcasting

House, Abington Street, Northampton

NN1 2BE tel 01604 239100

### BBC Radio Nottingham, York House,

Mansfield Road, Nottingham NG1 3JB

tel 0115 955 0500

### BBC Southern Counties Radio,

Broadcasting Centre, Guildford

GU2 5AP tel 01483 306306

### BBC Radio Sheffield, Ashdell Grove, 60

Westbourne Road, Sheffield S10 2QU

tel 0114 268 6185

### BBC Radio Shropshire, 24 Boscobel

Drive, Shrewsbury SY1 3TT

tel 01743 248484

### BBC Radio Solent, Broadcasting House,

Havelock Road, Southampton

SO14 7PW tel 01703 631311

### BBC Somerset Sound, 14/15 Paul

Street, Taunton TA1 3PF

tel 01823 252437

### BBC Radio Stoke, Cheapside, Hanley,

Stoke on Trent ST1 1JJ

tel 01782 208080

### BBC Radio Suffolk, Broadcasting House,

St. Matthews Street, Ipswich IP1 3EP

tel 01473 250000

### Thames Valley FM, 269 Banbury Road,

Oxford OX2 7DW tel 01865 311444

### BBC Three Counties Radio, PO Box

3CR, Luton, Bedfordshire LU1 5XL

tel 01582 411000

### BBC Wiltshire Sound, Broadcasting

House, Prospect Place, Swindon

SN1 3RW tel 01793 513 626

### BBC Radio WM, Pebble Mill Road,

Birmingham B5 7SD

tel 0121 414 8484

### BBC Radio York, 20 Bootham Road, York

YO3 7BR tel 01904 641351

# ILR stations - tel numbers and addresses

**2 Ten FM**, PO Box 2020, Reading, Berks RG3 5FG tel 0118 9454400

**2CR FM**, 5 Southcote Road, Bournemouth, Dorset BH1 3LR tel 01202 259259

**Aire FM**, PO Box 2000, 51 Burley Road, Leeds LS3 1LR tel 0113 2452299

**Alpha 103.2**, Radio House, 11 Woodland Road, Darlington, Co Durham DL3 7BJ tel 01325 255552

**Amber Radio (Norfolk)**, St George's Plain, 4749 Colegate, Norwich NR3 1DB tel 01063 630621

**Amber Radio (Suffolk)**, Radio House, Alpha Business Park, White House Road, Ipswich, Suffolk IP1 5LT tel 01473 461000

**Arrow FM\***, Tilekiln Farm, Fairlight Road, Hastings, East Sussex TN35 5EL tel 01424 426322

**Asian Sound Radio**, Globe House, Southall Street, Manchester M3 1LG tel 0161 2881000

**B97**, 55 Goldington Road, Bedford, Beds MK40 3LS tel 01234 272400

**Bay (The)**, PO Box 969, St George's Quay, Lancaster LA1 3LD tel 01524 848747

**Beach (The)**, PO Box 103 4, Lowestoft, Suffolk NR32 2TL tel 07000 001035

**Beacon Radio**, 267 Tettenhall Road, Wolverhampton WV6 0DQ tel 01902 838383

**Bear (The)**, The Guard House Studios, Banbury Road, Stratford upon Avon, Warwickshire CV37 7HX tel 01789 262636

**Borders**, Tweedside Park, Galashiels TD1 3TD tel 01896 759444

**Breeze**, Radio House, Clifftown Road, Southend On Sea, Essex SS1 1SX tel 01702 333711

**BRMB**, Radio House, Aston Road North, Birmingham B6 4BX tel 0121 359 4481

**Broadland**, St George's Plain, 4749 Colegate, Norwich NR3 1DB tel 01603 630621

**Brunel Classic Gold**, PO Box 2020, Bristol, BS99 7SN tel 0117 9843201

**Cambridge Red\***, 197 High Street, Cottenham, Cambs CB4 4RX tel 01223 722722

**Capital Radio**, 30 Leicester Square, London WC2H 7LA tel 0171 766 6000

**Central FM**, Stirling Enterprise Park, Kerse Road, Stirling FK7 7YJ tel 01786 451188

**Century FM**, Century House, PO Box 100, Gateshead NE8 2YX tel 0191 477 6666

**Ceredigion**, Yr Hen Ysgol Cymraeg, Ffordd Alexandra, Aberystwyth, Dyfed SY23 1LF tel 01970 627999

**CFM**, PO Box 964, Carlisle CA1 3NG tel 01228 818964

**Channel 103 FM**, 6 Tunnel Street, St Helier, Jersey JE2 4LU tel 01534 888103

**Channel Travel Radio**, PO Box, 2000, Folkestone, Kent CT18 8XY tel 01303 283873

**Cheltenham Radio**, Regent Arcade, Cheltenham, Glos GL50 1JZ tel 01242 699555

**Chiltern FM**, Chiltern Road, Dunstable, Beds LU6 1HQ tel 01582 676200

**Choice FM (Birmingham)**, 95 Broad Street, Birmingham B15 1AU tel 0121 616 1000

**Choice FM (London)**, 1618 Trinity Gardens, London SW9 8DP tel 0171 738 7969

**City Beat**, Lamont Buildings, Stranmills Embankment, Belfast BT9 5FN tel 01232 205 967

**City 96.7 FM**, 8/10 Stanley Street, Liverpool L1 6AF tel 0151 227 5100

**Classic Gold 1278/1530**, Forster Square, Bradford, West Yorks BD1 5NE tel 01274 203040

**Classic Gold 1332**, PO Box 2020, Queensgate Centre, Peterborough PE1 1LL tel 01733 460460

**Classic Gold 1359**, Hertford Place, Coventry CV1 3TT tel 01203 868200

**Classic Gold 1431/1485**, PO Box 2020, Reading, Berks RG3 5FG tel 0118 945 4400

**Classic Gold 1557**, 1921 St Edmunds Road, Northampton NN1 5DY tel 01604 795600

**Classic Gold 774**, Old Talbot House, Southgate Street, Gloucester GL1 2DQ tel 01452 423791

**Classic Gold 792/828**, Chiltern Road, Dunstable, Beds LU6 1HQ tel 01582 676200

**Classic Gold 828**, 5 Southcote Road, Bournemouth, Dorset BH1 3LR tel 01202 259259

**Classic Gold 954/1530**, 5 Barbourne Terrace, Worcester WR1 3JZ tel 01905 612212

**Classic Hits**, 7 Hatfield Road, St Albans AL1 3RS tel 01727 831966

**Clyde**, Clydebank Business Park, Clydebank, Glasgow G81 2RX tel 0141 565 2200

**Cool FM**, PO Box 974, Belfast BT1 1RT tel 01247 817181

**Country (RTL 1035)**, PO Box 1035, London W1A 2ZT tel 0171 384 1175

**County Sound**, Dolphin House, North Street, Guildford GU1 4AA tel 01483 300964

**Crash FM\***, address not yet known tel 0151 7079701

**CTFM**, 16 Lower Bridge Street, Canterbury CT1 2LG tel 01227 789106

**Delta Radio**, 65 Weyhill, Haslemere, Surrey GU27 1HN tel 01428 651971

**Downtown Radio**, Newtownards, Co Down, Northern Ireland BT23 4ES tel 01247 815555

**Dune FM**, The Power Station, Victoria Way, Southport PR8 1RR tel 01704 533866

**Eagle**, Dolphin House, North Street, Guildford, Surrey GU1 4AA tel 01483 300964

**Easy 107\***, address B7C tel 01323 442700

**Eleven Seventy AM**, PO Box 1170, High Wycombe, Bucks HP13 6YT tel 01494 4466111

**Essex FM**, Radio House, Clifftown Road, Southend on Sea, Essex SS1 1SX tel 01702 333711

**Fame 1521**, Broadfield House, Brighton Road, Crawley, W Sussex RH11 9TT tel 01293 519161

**Forth AM and FM**, Forth House, Forth Street, Edinburgh EH1 3LF tel 0131 556 9255

**Fox FM**, Brush House, Pony Road, Oxford OX4 2XR tel 01865 871000

**Galaxy**, PO Box 1010, Bristol or Cardiff tel 0117 9010101

**Galaxy 102**, PO Box 102, Manchester M60 1GJ tel 0161 228 0102

**Galaxy 105**, PO Box 105, Joseph's Well West Gate, Leeds LS3 1AB tel 0113 213 0105

**GEM AM**, 2931 Castle Gate, Nottingham NG1 7AP tel 0115 952 7000

**Gemini**, Hawthorn House, Exeter Business Park, Exeter, Devon EX1 3QS tel 01392 444444

**GNR**, Swalwell, Newcastle upon Tyne NE99 1BB tel 0191 420 3040

**Gold Radio**, Longmead, Shaftesbury, Dorset SP7 8QQ tel 01747 855711

**GWREast**, PO Box 2000, Swindon SN4 7EX tel 01793 842600

**GWRWest**, PO Box 2000, Watershed Road, Bristol BS99 7SN tel 0117 984 3200

# ILR stations - tel numbers and addresses

**Hallam FM**, Radio House, 900 Herries Road, Sheffield S6 1RH  
tel 0114 285 3333

**Heart 106.2**, The Chrysalis Building, Bramley Road, London W10 6SP  
tel 0171 468 1062

**Heart FM**, 1 The Square, 111 Broad Street, Birmingham B15 1AS  
tel 0121 626 1007

**Heartland FM**, The Curling Rink, Lower Oakfield, Pitlochry PH16 5HQ  
tel 01796 474040

**Hereward FM, PO Box 225**, Queensgate Centre, Peterborough PE1 1XJ tel 01733 460460

**Horizon FM 103**, Broadcast Centre, Crownhill, Milton Keynes, Bucks MK8 0AB tel 01908 269111

**Huddersfield FM\***, address TBC  
tel 01484 431422

**Invicta Radio**, Radio House, John Wilson Business Park, Whitstable, Kent CT5 3QX tel 01227 772004

**Island FM**, 12 Westerbrook, St Sampson, Guernsey GY2 4QQ  
tel 01481 42000

**Isle of Wight Radio**, Dodnor Park, Newport, Isle of Wight PO30 5XE  
tel 01983 822557

**Isles FM\***, PO Box 333, Stornoway, Isle of Lewis HS1 2PU tel 01851 703333

**Jazz FM 100.4**, The World Trade Centre, Exchange Quay, Manchester M5 3EJ tel 0161 877 1004

**Jazz FM 102.2**, 2627 Castlereagh Street, London W1H 6DJ  
tel 0171 706 4100

**KCBC**, Unit 1, Centre 2000, Robinson Close, Telford Industrial Estate, Kettering, Northants NN16 8PU  
tel 01536 412413

**Kestrel FM\***, The Maltings, Mapledurwell, Basingstoke RG25 2LJ  
tel 01256 321301

**Key 103**, Castle Quay, Castlefield, Manchester M1 4AW  
tel 0161 2885000

**KFM**, 1 East Street, Tonbridge, Kent TN9 1AR tel 01732 369200

**Kiss 100 FM**, Kiss House, 80 Holloway Road, London N7 8JG  
tel 0171 700 6100

**Kix 96**, St Mark's Church Annex, Bird Street, Stoney Stanton Road, Coventry CV1 4FH tel 01203 525656

**KLFM 96.7**, PO Box 77, 18 Blackfriars Street, Kings Lynn, Norfolk PE30 1NN  
tel 01553 772777

**Lantern Radio**, The Light House, 17 Market Place, Bideford, North Devon EX39 2DR tel 01237 424444

**LBC**, 200 Gray's Inn Road, London WC1X 8XZ tel 0171 973 1152

**Leicester Sound**, Granville House, Granville Road, Leicester LE1 7RW  
tel 0116 256 1300

**Liberty Radio**, 7th Floor Trevor House, 100 Brompton, London SW3 1ER tel 0171 225 6755

**Lincs FM**, Witham Park, Waterside South, Lincoln LN5 7JN  
tel 01522 549900

**Lite AM**, PO Box 1458, Quay West, Trafford Park, Manchester M17 1FL  
tel 0161 872 1458

**Lochbroom FM**, 24 Argyle Street, Ullapool, West Ross IV26 2UB  
tel 01854 613131

**London Greek Radio**, Florentia Village, Vale Road, London N4 1TD  
tel 0181 800 8001

**London Turkish Radio**, 185b High Road, Wood Green, London N22 6BA  
tel 0181 88 0606

**Magic**, Commercial Road, Hull, Yorkshire HU1 2SG tel 01482 325141

**Magic 828**, PO Box 2000, 51 Burley Road, Leeds LS3 1LR tel 0113 2452299

**Magic 1548**, 810 Stanley Street, Liverpool L16AF tel 0151 2275100

**Maldwyn**, The Studios, The Park, Newtown, Powys SY16 2NZ  
tel 01686 623555

**Manx Radio**, PO Box 1368, Broadcasting House, Douglas Head, Douglas IOM tel 01624 661411

**Marcher Coast FM**, Media House, Conway Road, Colwyn Bay LL28 5AB  
tel 01492 534555

**Marcher Gold**, The Studios, Mold Road, Gwersyllt, Wrexham, Chwyd LL11 4AF tel 01978 752202

**Medway FM**, Berkeley House, 186 High Street, Rochester ME1 1EY  
tel 01634 841111

**Mellow 1557**, Media Centre, 2 St Johns Wynd, Culver Square, Colchester CO1 1NG tel 01206 764466

**Melody FM**, 180 Brompton Road, London SW3 1HF tel 0171 581 1054

**Mercia FM**, Hertford Place, Coventry CV1 3TT tel 01203 868200

**Mercury FM**, Broadfield House, Brighton Road, Crawley, W Sussex RH11 9TT tel 01293 519161

**Metro FM**, Newcastle Upon Tyne NE99 1BB tel 0191 420 0971

**MFM**, The Studios, Mold Road, Wrexham, Chwyd LL11 4AF  
tel 01978 752202

**Millenium Radio**, Harrow Manor Way, Thamesmead, South, London SE2 9XH tel 0181 311 3112

**Minster FM**, PO Box 123, Dunnington, York YO1 5ZX tel 01904 488888

**Mix 96**, Friars Square Studios, 11 Bourbon Street, Aylesbury, Bucks HP20 2PZ tel 01296 399396

**Moray Firth Radio**, Scorgie, Inverness IV3 6SF tel 01463 224433

**NECR** (North East Community Radio), Town House, Kintore, Inverurie, Aberdeenshire AB51 0US  
tel 01467 632909

**Neptune Radio**, PO Box 1068, Dover CT16 1GB tel 01304 202505

**Nevis Radio**, Inverloch, Fort William, Invernesshire PH33 6LU  
tel 01397 700007

**News Direct**, 200 Gray's Inn Road, London WC1X 8XZ  
tel 0171 973 1152

**Northants 96**, 1921 Edmunds Road, Northampton NN1 5DY  
tel 01604 795600

**Northsound**, 45 Kings Gate, Aberdeen AB15 4EL tel 01224 632234

**Oban FM**, McLeod Units, Lochavullin Estate, Oban, Argyll tel 01631 570057

**Ocean FM**, Radio House, Whittle Avenue, Segensworth West, Fareham PO15 5SH tel 01489 589911

**Orchard FM**, Haygrove House, Taunton, Somerset TA3 7BT  
tel 01823 338448

**Oxygen 107.9FM**, Suite 41 The Westgate Centre, Oxford OX1 1TD  
tel 01865 724442

**Piccadilly 1152**, Castle Quay, Castlefield, Manchester M5 4PR  
tel 0161 288 5000

**Pirate FM**, 102 Wilson Way, Redruth, Cornwall TR15 3XX tel 01209 314400

**Plymouth Sound**, Earl's Acre, Plymouth PL3 4HX tel 01752 227272

**Power FM**, Radio House, Whittle Avenue, Segensworth West, Fareham PO15 5SH tel 01489 589911

**Premier Radio**, Glen House, Stag Place, London SW1E 5AG  
tel 0171 233 6705

**Pulse FM**, Forster Square, Bradford BD1 5NE tel 01274 203040

**Q102.9**, The Riverside Suite, The Old Waterside Railway Station, Duke Street, Londonderry BT46 1DH  
tel 01504 44449

**Q103**, Enterprise House, The Vision Park, Chivers Way, Histon, Cambridge CB4 4WW tel 01223 235255

# ILR stations - tel numbers and addresses

**QFM**, 26 Lady Lane, Paisley PA1 2LG  
tel 00141 887 9630

**Radio 106**, City Link, Nottingham  
NG2 4NG tel 01159 106100

**Radio 1521**, Carn Business Park,  
Craigavon, Co. Armagh BT63 5RH  
tel 01762 330033

**RadioWave**, 965 Mowbray Drive,  
Blackpool, Lancashire FY3 7JR  
tel 01253 304965

**Ram FM**, The Market Place, Derby  
DE1 3AA tel 01332 292945

**Red Dragon FM**, Radio House, West  
Canal Wharf, Cardiff CF1 5XJ  
tel 01222 384041

**Red Rose 999**, PO Box 999, St Paul's  
Square, Preston PR1 1XS  
tel 01772 556301

**Rock FM**, PO Box 974, St Paul's Square,  
Preston, Lancs PR1 1YE  
tel 01772 556301

**Sabras Sound, Radio House, 63**  
Melton Road, Leicester LE4 6PN  
tel 0116 261 0666

**Scot FM**, 1 Albert Quay, Leith EH6 7DN  
tel 0131 554 6677

**Severn Sound FM**, Old Talbot House,  
Southgate Street, Gloucester  
GL1 2DQ tel 01452 423791

**SGR Colchester**, Abbeygate Two, 9  
Whitewell Road, Colchester CO2 7DE  
tel 01206 575859

**SGRFM Ipswich**, Radio House, Alpha  
Business Park, White House Road,  
Ipswich, Suffolk IP1 5LT  
tel 01473 461000

**SIBC**, Market Street, Lerwick, Shetland  
ZE1 0JN tel 01595 695299

**Signal 105**, Regent House, Heaton  
Lane, Stockport SK4 1BX  
tel 0161 480 5445

**Signal One**, PO Box 1026, Stoke on  
Trent tel 01782 747047

**Signal Two**, Stoke Road, Stoke on  
Trent ST4 2SR tel 01782 747047

**Solent Regional\***, 1 Highfield,  
Twyford, Nr Winchester, Hants  
SO21 1QR tel 01962 713134

**Sound Wave**, PO Box 964, Victoria  
Road, Gowerton, Swansea SA4 3AB  
tel 01792 511964

**South Coast Radio**, Radio House, PO  
Box 2000, Brighton BN14 2SS  
tel 01273 430111

**South Coast Radio, Radio House**,  
Whittle Avenue, Segensworth West,  
Fareham PO15 5SH tel 01489 589911

**South West Sound**, Campbell House,  
Bankend Road, Dumfries DG1 4TH  
tel 01387 250999

**Southern FM**, Radio House, PO Box  
2000, Brighton BN41 2SS  
tel 01273 430111

**Spectrum**, International Radio Centre,  
204/206 Queenstown Road, London  
SW8 3NR tel 0171 6274433

**Spire FM**, City Hall Studios, Malthouse  
Lane, Salisbury SP2 7QQ  
tel 01722 416644

**Spirit FM**, Dukes Court, Bognor Road,  
Chichester, W. Sussex PO19 2FX  
tel 01243 773600

**Star FM**, The Observatory Shopping  
Centre, Slough, Berkshire SL1 1LH  
tel 01753 551066

**Stray FM**, Stray Studios, PO Box 972,  
Station Parade, Harrogate HG1 5YF  
tel 01423 522972

**Sun FM**, PO Box 1034, Sunderland,  
Tyne and Wear SR1 3YZ  
tel 0191 567 3333

**Sunrise Radio**, Sunrise House, 30  
Chapel Street, Little Germany, Bradford  
BD1 5DN tel 01274 735043

**Sunrise Radio**, Sunrise House, Sunrise  
Road, Southall, Middlesex UB2 4AU  
tel 0181 574 6666

**Sunshine B55**, Sunshine House,  
Waterside, Ludlow, Shropshire SY8 1GS  
tel 01584 873795

**Surf 107\***, address TBC  
tel 01273 628688

**Swansea Sound, PO Box 1170**,  
Victoria Road, Gowerton, Swansea  
SA4 3AB tel 01792 511171

**Tay**, 6 North Isla Street, Dundee  
DD3 7JQ tel 01382 200800

**Ten 17**, Latton Bush Centre, Southern  
Way, Harlow, Essex CM18 7BU  
tel 01279 432415

**TFM**, Yale Crescent, Thornaby,  
Stockton on Tees, Cleveland TS17 6AA  
tel 01642 888222

**Thames FM**, 45c High Street, Hampton  
Wick, Kingston on Thames KT1 4DG  
tel 0181 2881300

**TLR\***, Thanet Local Radio, Imperial  
House, 214 High Street, Margate, Kent  
CT19 1DH tel 01843 220222

**Touch Radio**, West Canal Wharf,  
Cardiff CF1 5XJ tel 01222 237878

**Townland Radio**, 2c Park Avenue,  
Cookstown, Co Tyrone BT80 8AH  
tel 016487 64828

**Trent FM**, 2931 Castle Gate,  
Nottingham, NG1 7AP  
tel 0115 952 7000

**Valleys Radio**, PO Box 1116, Ebbw  
Vale NP3 6XW tel 01495 301116

**Vibe FM**, Reflection House, The  
Anderson Centre, Olding Road, Bury St  
Edmunds tel 01284 718800

**Viking FM**, Commercial Road, Hull  
HU1 2SG tel 01482 325141

**Virgin Radio**, 1 Golden Square,  
London W1R 4DJ  
tel 0171 434 1215

**WABC**, 267 Tottenhall Road,  
Wolverhampton WV6 0DQ  
tel 01902 838383

**Waves Radio** (Peterhead), Unit 2,  
Blackhouse Industrial Estate, Peterhead  
AB42 7BW tel 01779 491012

**Wessex FM**, Radio House, Trinity  
Street, Dorchester, Dorset DT1 1DJ  
tel 01305 250333

**West Sound**, Radio House, 54a  
Holmston Road, Ayr KA7 3BE  
tel 01292 283662

**Wey Valley**, Prospect Place, Mill Lane,  
Alton, Hants GU34 2SY  
tel 01420 544444

**Wish**, Orrell Lodge, Orrell Road, Orrell,  
Wigan WN5 8HJ tel 01942 761024

**Wolf**, 10th Floor, Mander House,  
Wolverhampton WV1 3NB  
tel 01902 319112

**Wyvern FM**, 5 Barbourne Terrace,  
Worcester WR1 3JZ tel 01905 612212

**XFM**, 97 Charlotte Street, London W1P  
1LB tel 0171 2994000

**XL**, KMS House, Bradford Street,  
Birmingham B12 0JD  
tel 0121 753 5353

**Xtra AM**, Radio House, Aston Road  
North, Birmingham B6 4BX  
tel 0121 359 4481

**Yorkshire Coast, PO Box 962**,  
Scarborough YO12 5YX  
tel 01723 500962

**Yorkshire Dales**, YDR House, Gargrave  
Road, Skipton BB23 1YD  
tel 01765 799991

\* proposed station not on-air at time  
of publication

## weather

### Farming Forecasts

**Radio 4:** 0610 weekdays, Farming Today, includes a 5 day forecast for farmers and growers.

### Shipping Forecasts

(see map of shipping forecast areas on the opposite page)

#### Radio 4

0555 (LW only), 1355, 1750, 0048

### Inshore Forecast

#### Radio 4

0550

### General Forecasts

#### Radio 2

half-hourly 0500-0900, then 1300, 1700, 1800, 1900, 2200 and midnight

#### Radio 3

1300 news and weather

#### Radio 4

0603, 0655, 0755, 0858, 1255, 1755, 2159, 0030

#### Classic FM

on the hour, included with the news

## travel

### Travel Information

#### Radio 1

included in news reports

#### Radio 2

0640, 0720, 0750, 0820, 0850, 1550, 1620, 1650, 1720 and 1750

#### Radio 4

included in news reports

#### Radio 5

half-hourly 0615-1845

#### Classic FM

traffic and travel reports at

15 mins past the hour

Local Information

#### BBC Stations

Most operate local travel round ups at regular intervals between 0600-0900 and 1700-1900.

There is no standard time for for all BBC local stations, so contact your local station if you need detailed information. In addition, they all give travel flashes, some of which may be incorporated into the RDS network.

#### Independent Stations

Most run frequent travel reports between 0615-0915 and 1615-1845

## news

### National News

#### Radio 1

on the half-hour plus 0700, 0800 and 1700

#### Radio 2

news on the hour - headlines at 0530, 0630, 0730, and 0830

#### Radio 3

1300 - summaries at 0600, 0700, 0800, 1800

#### Radio 4

0600, 0630, 0700, 0730, 0800, 0830, then hourly 0900-1900, 2200 and midnight

#### Radio 5

news and sport bulletins every half hour

#### Classic FM

news on the hour - with half hour programme 'Newsdesk' from 1800-1830

### Local News

Both BBC and independent stations offer a mix of local and national news. Usually however, this is on the hour and half hour during peak times, and just on the hour at other times.

### Sports News

#### Radio 5

news and sport bulletins every half hour

## time signals

#### Radio 3

Weekdays at 0600, 0700 and 0800 Sundays at 0700

#### Radio 4

Weekdays wherever programming makes it possible, every hour on the hour, with Big Ben at 1800, 2200 and 0000

#### RDS Time Signals

If you have an RDS radio with the RDS clock time feature, tuning to a station transmitting an RDS time signal can enable your radio to maintain split-second accuracy.



## Shipping forecasts -

Godfrey Manning explains what they mean.

Above you'll find a map of the sea areas and on page 106 the times when shipping forecasts can be heard. The forecast is in four parts.

### Gale Warnings

The time of issue is Greenwich Mean Time, same as clock time in the winter but one hour less than shown on your clock in summer. For each sea area as shown on the map, the wind force is given if it is at least 8 (gale). This is the Beaufort scale, 0 is flat calm, 3 a gentle breeze, 9 is severe gale, etc. Sometimes only a part of a sea area is affected (eg "Viking in north").

### General Synopsis

This tells you about the air pressure, visible on TV weather maps as isobar lines. The pressure is either low or high in each sea area. The number (eg 1003) is the precise pressure measured in millibars. Many domestic barometers have a millibar scale as well as inches of mercury but 980 would be

down in the "stormy" part of your barometer's dial, 1000 is in the middle and 1040 is exceptionally high. The pressure system can move, either in a direction of the compass (eg north-west) or to another sea area. A low pressure system can fill, to become weaker and of medium pressure.

### Forecast

Again by sea area, the wind direction is stated as the point on the compass from where the wind is coming. If it's south-east, and you face that direction, the wind will hit you square on the nose! Veering is when the wind direction will become more clockwise, eg south veering west (hand of clock going from 6 o'clock to 9 o'clock). Backing is a change in the opposite direction. The force comes next, and it might increase or reduce. Cyclonic is a wind going anticlockwise round an area of low pressure. The significant weather is self-explanatory, but examples include showers, rain,

hail, or snow; any of which could be wintry, squally or thundery if you're unlucky. Words like: recent, becoming, perhaps, later, etc, give you an idea of expected changes. Lastly, visibility is typically poor, moderate or good.

### Coastal station reports

Not all report at the same time. Some stations are on light ships equipped with automatic weather sensors. The wind is simply direction and force (eg north six) and then comes the significant weather (see above). Exact visibility is given in miles. Finally the barometer's millibars are stated and you are told if this pressure will rise or fall and, if so, how slow or fast this change will happen. Next time you hear about gales, spare a thought for the fishermen!

# further information / organisations

## Ceefax

### BBC Engineering Information

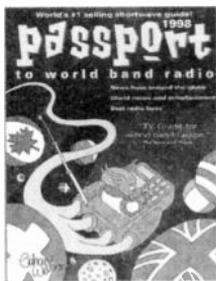
The BBC provide up-to-the-minute details about radio transmitters on Ceefax (BBC 2) on page 698.

## Frequency guides



### World Radio and TV Handbook (WRTH) 1998

Comprehensive listings of the frequencies for all countries, plus technical advice. The 1998 edition will be available in Jan 1998 for about £18.



### Passport to World Band Radio 1998

£15.50. Annual publication 'giving the information to explore and enjoy the world of broadcast band radio'. Features short wave listening, receiver reviews, and frequencies.

(WRTH and Passport are both

available from bookshops, or *Short Wave* magazine's book ordering service - tel 01202 659930.)

### Global Radio Guide

£4.35 (each issue) This twice-yearly guide published in Jan and July, lists all broadcasts in English and is available by mail order from The Association for International Broadcasting, PO Box 990, London SE3 9XL

### Guide de la Radio

Published by Telerama.FF30. Lists French stations for each of the major villages, towns and cities, as well as listing FM frequencies along their autoroutes. Available from Télérama S.A., 129 Boulevard Malesherbes, 75017 Paris. Tel 0033 1 48884500.

### The Radio Authority Pocket Book

Annual guide published in June listing independent stations in the UK. Free from the Radio Authority.

### Radio Transmitting Stations

Lists all domestic BBC radio stations and transmitters in service. Last revised Feb 95. Free from BBC Engineering Information

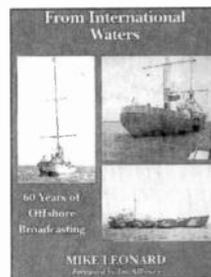
## General Books

### How to Get Into Radio by Bernie Simmons.

A novices guide to getting into radio. How to get started - understanding the basics and lists of courses available. Published by How To Books of Plymouth. Price £8.99 ISBN 1-85703-143-1

## Ron Smith's Aerial Guide

The useful 20 page guide explains basic aerial terminology and gives advice on choosing an aerial. Free from Ron Smith Aerials, 98, Ash Road, Luton, Beds LU4 8AQ Tel 01582 36561



### From International Waters

60 Years of Offshore Broadcasting by Mike Leonard. From Radio Normandy, to Caroline and the Battle for Roughs Tower, this fascinating book chronicles the history of offshore radio. 582 pages. £19.95 + £4.95 p&p. From Forest Press, PO Box 1, Heswall, Wirral L60 3TH

## Magazines and Periodicals

### Radio Times

Gives the best radio coverage of all the TV/Radio guides. Published in regional editions. Daily coverage for the region's BBC National and local stations, as well as Classic FM, and World Service programmes. Published weekly it costs 75p from newsagents.

### BBC On Air

*BBC On Air* is a monthly magazine giving comprehensive World Service programme details, plus up-to-

date frequency news, together with details of BBC World and BBC Prime television services. Subscription £24.00 p.a. contact *BBC On Air*, PO Box 765, Bush House, London WC2B 4PH  
Tel 0171 257 2211



## Short Wave Magazine

News, information and features to interest the short wave enthusiast. Available monthly from newsagents at £2.75 or by subscription at £30 pa from PW Publishing, Arrowsmith Court, Station Approach, Broadstone, Dorset BH18 8PW

## Practical Wireless

Technical articles on radio, satellite, circuit diagrams etc.. Available monthly from the newstands at £2.20 or by subscription at £25 pa from PW Publishing - (address as *Short Wave* magazine).

## Satellite Times

Monthly magazine listing amongst other things, satellite radio stations. Costs £2.20. On sale monthly, and widely available from newsagents.

## Broadcast

'The Weekly newspaper of the Television and Radio Industry'. Published by EMAP. Covers TV,

but also looks at radio. Costs £2.00.  
Tel 01732 770823.

## World Media

A weekly digest of broadcasting news and information from around the world, listed country by country, including monitoring observations from the BBC.

Available as a weekly magazine, online (via email or internet), or as a tailored service covering countries of interest.

Magazine sub. £410 pa, online £425 pa. Contact, Marketing Dept, BBC Worldwide Monitoring, Caversham Park, Reading, RG4 8TZ. Tel 0118 946 9289.  
<http://www.monitor.bbc.co.uk>

## The Radio Magazine

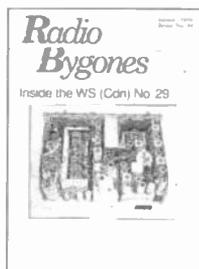
Weekly newsletter aimed at the radio industry. Station news and job vacancies and general information. Subscription £72 per year from 25 High Street, Rothwell, Northants NN14 6AD.

## Radio Review

Monthly/bi-monthly newsletter with news of Radio Caroline, UK radio, Dutch, Irish and satellite radio. For a free sample issue and subscription details send a large s.a.e. to - Dept RLG 98, PO Box 46, Romford, Essex RM7 8AY

## Offshore Echo's

Covers the offshore & pirate scene. Available at £18 per year (5 issues) from PO Box 1514, London W7 2LL  
Tel 0181 8408580



## Radio Bygones

A magazine for vintage radio enthusiasts. Published six times a year and generally available only by subscription. A sample copy costs £3.25 and subscription is £18.50 pa 9 Weatherby Close, Broadstone, Dorset BH18 8JB  
Tel 01202 658474

## Trade Bodies & Professional Associations

**The Commercial Radio Companies Association** is the trade association for commercial radio companies. 77 Shaftesbury Avenue, London W1V 7AD  
Tel 0171 306 2603

## Radio Joint Audience

**Research (Rajar)** is a company set up to perform audience research. It is owned jointly by the BBC and the Commercial Radio Companies Association. RAJAR, Collier House, 163-169, Brompton Road, London SW3 1PY  
Tel 0171 584 3003

## The Radio Advertising

**Bureau (RAB)** is an independent company within radio - tasked with marketing 'radio advertising'. It is funded by a levy on all national radio advertising.

## further information / organisations

The Radio Advertising Bureau,  
77 Shaftesbury Avenue,  
London W1 7AD Tel 0171  
306 2500

### Organisations and Associations

**The British Wireless Fund for the Blind** is a registered charity with a single objective - to help all UK registered blind people over the age of 8 years who are unable to buy their own radio. Equipment is provided on free permanent loan. The fund relies on private donations, and contributions to carry out their work. Details from Gabriel House, 34 New Road, Chatham, Kent ME4 4QR Tel 01634 832501

**Voice of the Listener and Viewer (VLV)** - a non-profit making society to support quality broadcasting. It holds public conferences, lectures, meetings and members receive a quarterly newsletter. Membership £12.50 per year, from Voice of the Listener and Viewer, 101 King's Drive, Gravesend, Kent DA12 5BQ Tel 01474 352835

**The Radio Academy** is a professional body for those working in, or with an interest in radio. For details contact 5 Market Place, London W1N

**Radio Review** is a regular newsletter (normally published twice a month) that keeps you informed about Radio Caroline, Atlantic 252, Virgin, Veronica (Dutch), Radio 10 Gold (Dutch), new offshore radio projects, satellite broadcasters, and a complete round-up of the radio broadcasting scene in the UK and in Holland. For a sample copy send a SAE to Dept RLG 98, PO Box 46, Romford Essex RM7 8AY

7AH Tel 0171 255 2010  
<http://www.radacad.demon.co.uk>

**The Community Radio Association** promotes Community Radio in the UK. 15 Paternoster Row, Sheffield. Tel 0114 279 5219

**The Student Radio Association**  
Contact the SRA at the Radio Academy, Tel 0171 255 2010  
<http://b1000.brunel.ac.uk:8080/sra/>

**The European Satellite User Group (TESUG)** gives information and advice about satellite to its members. A monthly newsletter gives the latest news. Contact TESUG, PO Box 576, Orpington, Kent BR6 9WY Tel 01227 265222 E-mail [tesug@cix.co.uk](mailto:tesug@cix.co.uk)

**The Hospital Broadcasting Association** is the governing body in hospital broadcasting. The Hospital Broadcasting Association, Central Office, PO Box 2481, London W2 1JR Tel 0171 4028815  
<http://www.nahbo.demon.co.uk/>

**The Churches Advisory Council for Local Broadcasting (ACLUB)** was established to offer information, help and advice on how to be involved in and support local broadcasting.



It produces a quarterly newsletter *Crosstalk*. Contact Jeff Bonser PO Box 124, Westcliff on Sea, Essex SSO 0QU Tel 01702 348369

**Children 2000** a group promoting children's radio. Contact Susan Stranks at , PO Box 13131, London N7 QWB (Please include a SAE)

**The British DX Club** national organisation for long-distance radio listeners, covering short wave, medium wave and FM as well as UK radio developments. Monthly bulletin 'Communication'. £10 pa, £14 (Europe). Contact The Secretary, BDXC, 126 Bargery Road, Catford, London SE6 2LR  
<http://www.co.umist.ac.uk/BDXC>

**The International Listeners Association** is an association for individuals interested in broadcast bands, amateur radio, aircraft, ships or weather watching. Membership £5 pa. Contact 1 Jersey Street, Hafod, Swansea SA1 2HF. Tel 01792 426449, E-mail - [ILAnet@aol.com](mailto:ILAnet@aol.com)

## BBC

For comments, queries and criticism write to - Viewer and Listener Correspondence, BBC Villiers House, The Broadway, London W5 2PA

tel - **BBC Information office** via the switchboard on 0171 580 4468

Don't forget to give the programme title, station, transmission date and time. A daily summary of comments is seen by senior programme-makers and written comments will be answered.

### **Serious breach of standards -**

If you think that a BBC programme has contained a specific and serious injustice or inaccuracy, or serious breach of accepted broadcasting standards, write giving details to: Fraser Steel, Head of the BBC's Programme Complaints Unit, Broadcasting House, London W1A 1AA

## Independent

### **The Radio Authority**

recommends that listeners who wish to comment on, or complain about something they heard on Independent Radio, should first write to the station concerned.

Radio stations must keep recordings of all their broadcasts for 42 days. After that time there may be no recording to refer to.

The Radio Authority is responsible for the regulation of its licensees' programming, advertising and transmissions.

All complaints must be made in writing, giving precise dates and times of broadcasts. The Authority will investigate.

When it feels a complaint is justified it will take action with the radio station concerned.

Details of complaints accepted for investigation and the Authority's findings are published quarterly.

## Reception

### **BBC Reception Problems**

For problems receiving BBC stations write to - Engineering Information, BBC Villiers House, The Broadway, London W5 2PA (including a daytime telephone number) Tel 0345 010313 (local call rate) during office hours.

### **Independent Radio**

There is no central engineering information bureau for non-BBC services. Enquiries should be made to the station concerned.

### **Problems with Interference**

As a last resort the Radio Investigation Service (RIS), part of the DTI's Radio Communications Agency will investigate interference problems. This only covers FM reception, and only within the service area of the transmitter whose transmissions are affected. Before they investigate

- you must have thoroughly investigated the problem
  - you must have an adequate external aerial
  - a service engineer or aerial contractor must endorse your request to say that they are unable to solve the problem.
- A fee of £35 is charged for investigations.  
Contact - RIS, New King's Beam House, 22 Upper Ground, London SE1 9SA  
tel 0171 211 0211

## Independent bodies

### **The Broadcasting Complaints Commission**

deals with complaints from those who feel that they have been unfairly treated or their privacy has not been respected by a programme.  
7 The Sanctuary, London SW1P 3JS tel 0171233 0544

### **The Broadcasting Standards Council**

considers complaints about violence, sexual conduct, and taste and decency in programmes and advertisements.  
7 The Sanctuary, London SW1P 3JS tel 0171233 0544

## Acknowledgements

We would like to thank the Radio Authority, in particular Nick Astley-Cooper, who as usual supplied much invaluable frequency information. Martin Culling and Alan Lafferty of BBC Engineering information for their help, and for permission to copy the BBC's 'Frequency Finder' maps. The Foreign Media Unit of the BBC, and all the stations who have kindly supplied information. Also all the manufacturers who kindly supplied radios for the review, and Andrew O'Gorman and Dave James for their help reviewing radios. Gill, Pat and Ray Woodyear for their help in putting this edition together. Also all the readers who have kindly sent information - too many to list now for the fear of missing anyone out!

# subscription and order forms

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Please use, or photocopy this form if you would like to order the *Radio Listener's Guide* annually by **subscription**. We will dispatch your copy, as soon as each edition is published in late November. Send it with your cheque or postal order for just £9.90 made payable to PDQ Publishing to:

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Please send me  copies of the **1999** *Radio Listener's Guide* at £4.95 (includes p+p).

Name

Address

Postcode

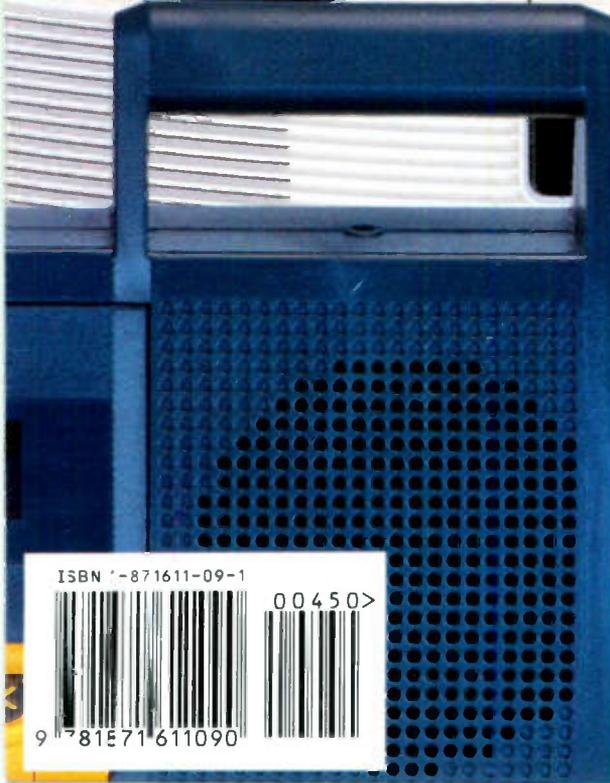
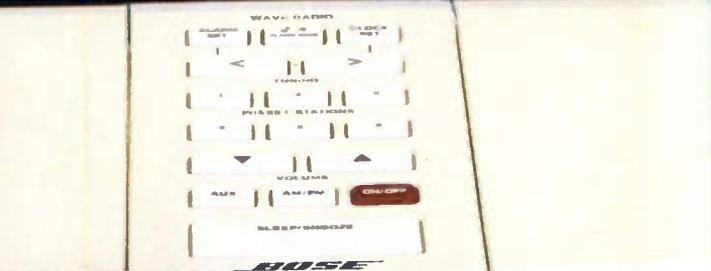


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ISBN -871611-09-1



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