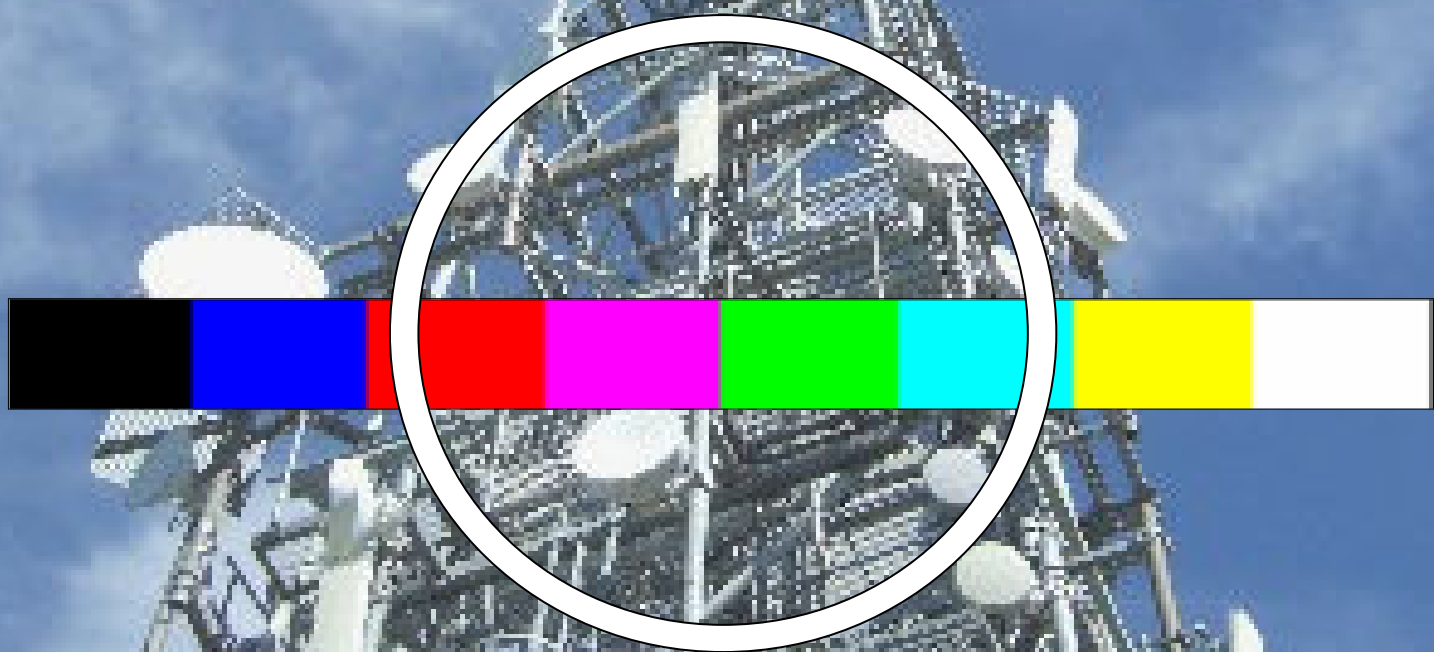


HS CATALOGUE

2017 Version 1.4

TV & FM DX-ING
TV & RADIO NOSTALGIA

LOTS OF EXCLUSIVE PRODUCTS!



HS PUBLICATIONS

7 Epping Close, Derby DE22 4HR, UK

FOR THE LATEST VERSION OF OUR FULL CATALOGUE PDF AND CURRENT PRICES

E-mail: GarrySmith405625.hs@gmail.com

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AND ENTER BASIC
KEYWORDS
OR USE THE PAGE
CLOCKER ON YOUR
TOOLBAR

TV & FM DX-ING

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NOSTALGIA

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SAVE IT!

You can save this catalogue pdf on your PC or USB memory stick for easy access. Feel free to pass on a copy to your friends. This catalogue is updated regularly and you can request an update anytime by emailing us at GarrySmith405625.hs@gmail.com

Thank you for requesting our latest catalogue. HS Publications was established in 1975 when Keith Hamer and Garry Smith launched 'Guide to Worldwide Television Test Cards', a World-wide seller. Today, many products are unique and exclusive to HS Publications.

TV & FM DXING ARCHIVE TV & RADIO

Our DX magazine 'TeleRadio News' was established in 1983 and caters for long-distance TV and FM reception enthusiasts Worldwide. We've broadened its appeal to include all aspects of broadcasting, past and present. It is now available in COLOUR via email – See Page 14



BROADCASTING NOSTALGIA

We also have our 'Broadcasting History in Print' packs which contain invaluable useful information about how the radio and TV landscape has evolved over the years. A real feast of nostalgia at a very small price

WEBSITE

Some of the items that appeared on our original dx-tv and test-cards websites can now be found in pdf format (www.pdf-archive.com) at:- <https://document.li/m5FV/>

Our specialised DX-TV equipment is used throughout the World and our D-100 converters have received enthusiastic praise in various technical journals over the years.

We can also supply a massive range of aerials for TV and FM DX-ing. Our half-wave telescopic dipoles (exclusive to HS) are proving popular for the general experimenter as they are ready to use.

We can also construct receiving aerials to your own design (See Page 4).

IF OUR WHOLESALEERS STOCK IT, WE CAN SUPPLY IT!

Many of our products are unique and exclusive to us. The catalogue product range is representative and we can supply hundreds of other items, all top brands.

We source our products only from reputable bona fide trade outlets and this should be remembered when comparing prices or goods on Internet sites.

So if there is something you need and it is not in our catalogue, please let us know your requirements (even if it's general components) and we'll do our best to help.

ORDER BY POST OR ON-LINE➤

E-mail your order (or use the print-off order form at the end of the catalogue), send the payment by Cheque, Postal Order, Direct Bank Transfer OR pay by Credit or Debit Card using PayPal - You don't even need a PayPal account. Simply visit www.paypal.co.uk. See Pages 25 or 26 for further details.

POSTAGE & PACKING – Pages 25 & 26

Ordering Information, Overseas supplements and an Order Form (optional) can be found at the end of the catalogue.

DX-TV CONVERTERS

MAKE THE MOST OF THE SPORADIC-E SEASON!

A reduced vision IF bandwidth is essential for retrieving weak analogue signals from the noise and improving adjacent channel selectivity.

A wide IF bandwidth found on multi-system TV sets 'sees' a greater part of the band, resulting in background noise and poor rejection of unwanted carriers.

D100 WITH MULTI-SYSTEM SOUND

Automatic/manual IF bandwidth and gain

Covers Bands I/II/III & UHF

Normal and extended tuning ranges

Calibrated in DX channels.

Multi-system sound via FM radio (not supplied)

Feeds conventional TV at UHF (adjustable channel)

DX alarm (optional)

£174.95 Order Code R20



£189.95 with DX ALARM fitted Order Code R21

D500 VISION-ONLY

Ideal for Sporadic-E reception.

Covers 45-86MHz approx.

Simple to use.

Feeds conventional TV at UHF (adjustable channel).

Calibrated in DX channels.

Manual IF bandwidth and gain

£129.95 Order Code R25



EXPORT UNITS

With EXPORT orders the PSU is NOT supplied with the D100 or D500 converters and this is reflected in the add-on supplements for AIRMAIL delivery.

A non-regulated 12V PSU rated at 500mA or more should provide sufficient voltage.

IMPORTANT NOTICE!!!

We can still supply these converters on a 'built-to-order' basis while components are still available.

If interested, please contact us for availability, prices and lead times.

E-mail: GarrySmith405625.hs@gmail.com

**A FULL DESCRIPTION OF THIS CONVERTER
AND THE MERITS OF BANDWIDTH REDUCTION IS AVAILABLE**

TV & FM DX-ING AERIALS

(45-110MHz)

Our range of specialised multi-element arrays feature a 25mm (1-in) square-section boom for rigidity and ruggedness, while the elements are manufactured from 12.5mm (0.5-in) seamless alloy and plugged.

All multi-element designs feature a closely-coupled first-director element. A watertight cable connector box with terminal connections is fitted as standard. Arrays include a clamp for masts of up to 50mm (2-inch) dia.



THE HS *explorer* YAGI RANGE

TYPE	COVERS	ELEMENTS	GAIN	LENGTH	PRICE	CODE
VF-1004	45-70MHz	4	5.5dB	1500mm	£51.85	D28
VF-1005	45-70MHz	5	6.5dB	2800mm	£64.65	D29
VF-1203	45-108MHz	3	3.0dB	900mm	£30.95	D33*
VF-1205	45-108MHz	5	5.5dB	1800mm	£46.95	D39

*D33 includes 1.5m mast and loft mount. 25mm round boom.

Gain figures (dB) expressed are approximate.

N.B. The 45-110MHz antennas (D33 and D39) may be used for both TV and FM DX-ing.



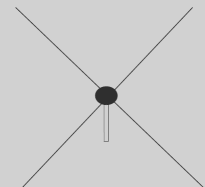
VF-1203 (D33)



WIDEBAND DIPOLE (D15)



VF-1205 (D39)



CROSSED DIPOLES

DIPOLES & LOOPS

WIDEBAND DIPOLE (48-108MHz)

Ideal for Band I TV and FM DX-ing, 6m, OIRT FM, and 4m monitoring. Closely-coupled 1st director.

For horizontal, vertical or slant polarisation.

Includes stub mast with clamp for up to 50mm mast.

Includes 1.5m x 25mm mast with loft mount.

£25.95

Order Code D15

CROSSED DIPOLES (BAND I/II)

Ideal for confined locations, e.g. loft.

The dipoles can be connected together

for multi-directional coverage or used

separately using two down-leads.

Stub mast with clamp for up to 50mm mast.

Includes 1.5m x 25mm mast with loft mount.

£29.95

Order Code D17

BAND I LOOP

Ideal for exploiting nulls to help reduce interference.

Less than 100cm square.

Can be hand-held or orientated

in *any* position using L-mast and bracket (supplied)

either when loft mounted or screwed to a baseboard.

£19.85

Order Code D18



PHASING KIT and NOTCH FILTERS Pages 7 & 8

**RECEIVING ANTENNAS (Dipoles & Yagis)
built to your own design.**

Email: GarrySmith405625.hs@gmail.com

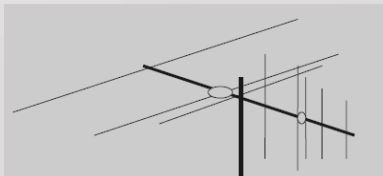
BANDS I/II, FM & DAB

VF-800 COMPACT

NEW

Based on our successful VF-100 compact array (see below), this single-boom antenna is now available with a 5-element vertical Band III section for DAB DX-ing.

HORIZONTAL SECTION: 48-108MHz >3dB gain
For Band I TV and FM DX-ing, 6m, OIRT FM, and 4m monitoring. Closely-coupled 1st director.



VERTICAL SECTION: 175-230MHz >6dB gain.
Covers all of Band III – important where countries use DAB channels in the mid-lower part of Band III.
Two down-leads are required providing individual filtering and amplification options.
Clamp for up to 50mm (2-in dia. masts).

VF-800 £54.95 Order Code D34

BANDS I/II, FM & III

VF-100 COMPACT

Very efficient compact design for TV & FM DX-ing
Rugged 25mm square boom for rigidity.
Single boom saves valuable mast space.
8-elements. Boom length 1800mm approx.
Clamp for up to 50mm (2-inch) dia. masts.
Features two outputs for individual filtering and amplification options:-
Bands I/II (48-108MHz) > 3.0dB gain.
Band III (160-230MHz) > 6.5dB gain.

Just to give some idea of how effective it is, our test array installed at only five metres above ground level captured F2 exotics in Band I such as Thailand and Australia plus Algeria, Tunisia and Libya in Band III via Sporadic-E.

VF-100 (8 elements) £53.95 Order Code D30
VF-100/8 (11 elements) £61.95 Order Code D32



VF-500 ARRAY Single-boom

4 elements Band I and II plus 9 elements for Band III.
Boom length 3000mm approx.
Clamp for up to 50mm (2-inch) dia. masts.
Features two outputs for individual filtering and amplification options:-
Bands I/II (48-108MHz) > 4.5dB gain.
Band III (160-230MHz) > 9.0dB gain.
£75.95 Order Code D31

DAB/Band III AMPLIFIER (M11) Page 9

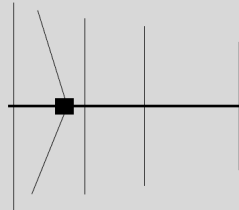
FM BAND (87-110MHz)

COMPACT FIVE

NEW

Compact 5-element design. Ideal for DX-ers with restricted space. Length 1.6m approx.
Sturdy construction: 25mm boom, 12.5mm alloy plugged elements. Gain: 5.2–7.2dB approx.
Angled driven dipole to achieve high Front-to-back ratio: Up to 20dB approx.
Clamp for up to 50mm (2-inch.) dia mast.
Space for optional balun.

£49.75 Order Code D87



COMPACT FIVE



FMX-60

FMX-60 'EXPLORER' 6-ELEMENT FM ARRAY

Rugged design with 25mm boom and 12.5mm plugged elements. Closely-coupled first director.
Gain: up to 6.5dB approx.
Front-to-back ratio: Up to 15dB approx.
Clamp for up to 50mm (2-in dia. masts).

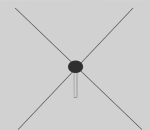
£40.95 Order Code D84

WIDEBAND DIPOLE (87-110MHz)

For horizontal, vertical or slant polarisation.
Stub mast with clamp for up to 50mm (2-in dia.) mast.
£19.95 Order Code D16

CROSSED DIPOLES (FM BAND)

Compact system. Waterproof X-box mounted horizontally provides two separate dipoles at 90 degrees. Alternatively, these can be connected together internally providing multi-directional coverage.
Stub mast with clamp for up to 50mm (2-in dia.) mast.
£21.50 Order Code D92



TWO ELEMENT 'H' FM ARRAY

For horizontal, vertical or slant polarisation.
3dB gain approx.
Mast clamp (up to 50mm). End or mid-mounting.
£24.35 Order Code D85

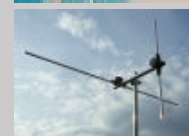
THREE-ELEMENT FM ARRAY

4dB gain approx. Includes clamp for up to 50mm (2-in dia.) masts.
£28.95 Order Code D86



DAB/FM COMBI

The FM dipole can be fitted vertically or horizontally.
Separate down-leads for individual amplification options.
Clamp (up to 2-in dia) supplied. Centre or end clamping.
£21.75 Order Code D55



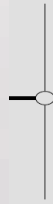
PHASING KIT and NOTCH FILTER Pages 7 & 8
FM & DAB MAST-HEAD AMPLIFIERS Page 9

DAB/BIII AERIALS

INSTALLING A DAB AERIAL CAN INCREASE THE NUMBER OF STATIONS RECEIVED

HS DAB DIPOLE

Weatherproof connector box. Stand-off arm.
Clamp for up to 50mm (2-in) masts.
£12.95 Order Code D45



HS LOFT/INDOOR DAB DIPOLE KIT

Includes 10m coax cable, coupler, and plug.
Screw to loft support.
£11.50 Order Code D10

HS DAB/FM COMBI

The FM dipole can be fitted vertically or horizontally.
Separate downloads for individual amplification options.
Clamp (up to 2-in dia) supplied. Centre or end clamping.
£21.75 Order Code D55

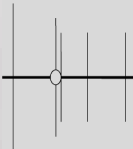


BLAKE ABM3 DAB/BAND III AERIAL (175-230MHz)

3-elements. 3.25dB gain.
Lightweight. End mount.
£23.98 Order Code D50

HS 5-ELEMENT DAB/BAND III

Covers 175-230MHz. Gain 4.5dB approx.
Durable construction.
Closely-coupled 1st director.
Weatherproof connector box.
Clamp fits up to 50mm (2-inch) dia. masts.
£31.95 VF-3005 5-ELEMENT Order Code D43



DAB/Band III AMPLIFIER (M11) Page 9

AIRBAND AERIALS

DIPOLE £14.95

Stand-off arm with clamp for up to 50mm masts.
£14.45 Order Code A01



GROUND PLANE £26.25

With clamp for up to 50mm masts.
£24.95 Order Code A02

EXPLORER DP1 PORTABLE DIPOLE KIT

SINGLE-FREQUENCY OR WIDEBAND
Less than 60cm long when transporting.

- Can be used single-frequency or wideband by fitting the director element assembly.
- Extendable/telescopic covering: 48-115MHz approx.
- When 'stripped down' the wideband dipole covers 115-300MHz approx, ideal for Airband, 144MHz, DAB, etc.
- Sturdy alloy construction (12.5mm elements) with weatherproof junction box (screw terminals).
- Stub mast with clamp for up to 50mm dia. masts.
£26.99 Order Code DP1



HALF-WAVE TELESCOPIC DIPOLE 45-300MHz VERSION

AN INSTANT ANTENNA
WHENEVER YOU NEED ONE

- Covers Band I - 300MHz
- Hand-held or screw to loft beam.
- Ideal for for holidays or mobile use.
- RG6 coax lead and coax plug fitted.



£16.95 Order Code DP2

HALF-WAVE TELESCOPIC DIPOLE 70-300MHz VERSION

Only 300g. Straight or 'V' formation.

AN INSTANT ANTENNA
WHENEVER YOU NEED ONE

- Hand-held or screw to loft beam.
- Ideal for for holidays or mobile use.
- RG6 coax lead and coax plug fitted.



£9.95 Order Code DP3

MOBILE DX-ING VHF/UHF SURVEY KIT

70-300MHz + UHF
EASILY STORED OR CARRIED



- 20-element log-periodic UHF array + DP3 Dipole.
- Only 440mm long for mobile DX-ing or touring.
- Built in Tetra & GSM filters
- Can be used passive or active by simply switching off the PSU. Can be powered directly from some receivers. Voltage range: 5-24V DC.
- DC Injector with fuse supplied.
- Gain Passive: 7.5dBi. Active <22dBi
- Includes DP3 dipole (70-300MHz).
- Support mast with quick release bracket.
- Protective feet/hardware pack (baseboard not supplied).

£34.95 Order Code P20

INTERFERENCE REMOVAL

NOTCH FILTERS, REJECTORS & PHASING UNITS

These are certainly handy tools to have but there are a few points to bear in mind. A receiver with high selectivity is essential to avoid interference from strong adjacent channels.

INSERTION LOSS

All filters impose a slight insertion loss (typically 1-2dB). The usual recommendation is to fit the filter before any amplification but it can have an impact on extremely weak DX. Filters can be used after amplification but if the unwanted signal is very strong this can cause the amplifier to overload adding to the problems. Experimentation is the key.

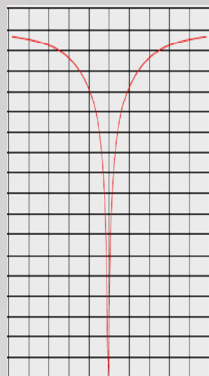
NOTCH FILTERS

A notch filter cannot be used to remove another signal sharing the same frequency but it can be phased out using a second antenna (see Removing Co-channel Signals).

A notch filter is designed to provide rejection at one particular frequency, so if a group of high-level broadcasts, e.g. from one transmitter, are overloading an amplifier or the receiver, then a notch filter may be of little use.

In this situation, a rejector (or trap), with a broader rejection characteristic may be the answer but the loss tail-off either side of its peak can be leisurely and will eat into adjacent channels. Careful adjustment may reach a compromise situation and reduce the impact of the unwanted carriers on the wanted one.

The tail-off is less leisurely with a notch filter but some loss is inevitable on very close adjacent frequencies. This is more noticeable the higher the frequency involved, i.e. a notch filter may seem more effective in Band I (lo-band) than at, say, Band II (FM Band), Band III (hi-band) or at UHF.



For illustration only – not to scale.

In Band I it is possible to reduce the impact of strong baby alarm carriers only a few kHz away from the Channel R1 vision frequency of 49.75MHz. Although some loss is present on the wanted frequency it is really a case of either you see the picture or you don't.

ADJUSTING

When setting up filters it is relatively easy to adjust visually (such as for TV DX-ing) when the wanted signal is present – simply adjust until the image becomes clear enough to see.

Adjusting a filter while listening to an audio carrier can be difficult; it is better to attenuate it first then it becomes easier to hear any changes. With FM reception it is better to tune into the wanted signal and adjust for best results. Success depends on the relative levels of the two signals and such filters work better when there is at least 0.2MHz separation.

INTERFERENCE STRAYING

ONTO OTHER BANDS

A adjustable rejection filter such as the F/9100 can be used where a group of strong FM carriers interfere with other bands; this situation can arise if using an amplifier when high-level signals drive it into overload (cross-modulation).

One example is when FM signals affect Band II TV channels R3, C and R4 which lie just below the FM band. Another is where FM signals affect the lower end of Band III (hi-band).

Adjust the rejector until the interference reduces or clears.

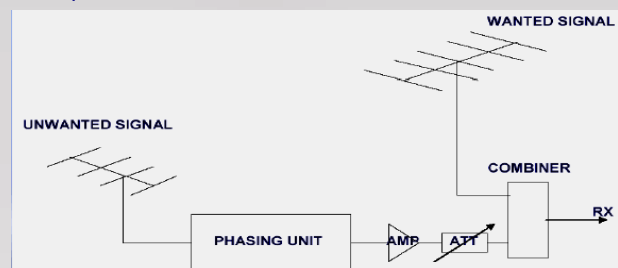
'Guide To DX-TV' (HSP20, available via our catalogue) provides a wealth of useful information about bandwidth reduction, amplification and techniques on curing interference whether it be for TV or FM DX-ing.

REMOVING CO-CHANNEL SIGNALS

Carefully orientating two antennas to provide phase shift is one way of canceling an unwanted co-channel signal. The technique can also be used to remove troublesome adjacent channels.

A more elegant technique is to use a phasing unit which creates the phase shift. A second antenna is still required to pick-up as much of the unwanted signal as possible – this should be directed at the offending source but should pick up as little of the DX signal as possible.

The PH1 unit features phasing and balance adjustments to create a 180-degree phase shift between the unwanted signals captured by both antennas. An attenuator is required to ensure that the levels are equal in amplitude.



A higher level of signal needs to be available via the 'interfering' antenna for the system to work and in some cases amplification may be required, either before or directly after the phasing unit. A variable gain amplifier (e.g. Item M90) can be used as an alternative to the separate attenuator. The signals are then combined using a fully shielded wideband combiner and fed into the receiver.

Operation is relatively simple but some experimentation may be required to master the technique and obtain the best results. Readjustment will be necessary for other unwanted signals arriving from the same source as phase relationship alters with frequency. Only one unwanted carrier can be removed at a time.

PH1 PHASING KIT

40-230MHz



PH1 KIT INCLUDES: Phasing unit (fully-screened diecast housing), fully-screened diecast combiner, variable attenuator, F-connector, F to female coax adaptor, phasing section with coupler.

£35.00

Order Code PH1

FILTERS (HS RANGE)

Diecast casing. F-sockets.



F/9001 FM BAND REJECTOR

- Simply adjust to minimise FM breakthrough on other bands caused by cross-modulation when an amplifier is used.
- Ideal for reducing interference on Band II Channels C and R4 or Band III.
- DC through-pass.
- F-sockets.

£19.95

Order Code C40

BAND I NOTCH FILTER

Reviewed in 'Television' magazine, November 2005
In built-up areas, baby alarms tend to blank out ChR1 on 49.75MHz. A notch filter can dramatically reduce the impact of such interference and restore pictures on R1.

- Passive tuning range: 47-62MHz approx.
- Typical rejection: Up to 50dB.
- F-sockets.

£26.25

Order Code C70



CHANNEL R1 NOTCH FILTER

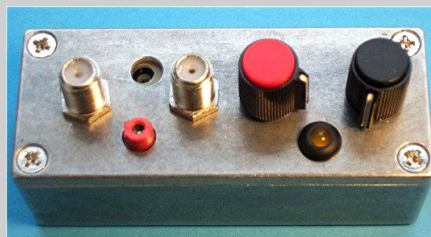
- Passive tuning range around Channel R1 (49.75MHz).
- Typical rejection: Up to 50dB.
- F-sockets.

£25.45

Order Code C71

BAND II NOTCH FILTER **NEW**

VARICAP-TUNED: 87.5-108MHz



- Single-pole varicap-tuned filter.
- The unit is dispatched to cover 87.5-108MHz approx. using its Coarse and Fine tuning controls when powered.
- Notch depth adjustment. Depth: Greater than 35dB
- More effective when signals are a minimum of 0.2MHz apart.
- F-sockets.
- Fully-screened diecast casing: 90 x 35 x 30 approx.
- Power Requirements: 12-15V DC @ 50mA.
- Virtually any universal PSU can be used (regulated or unregulated) provided it has a DC output. Use the appropriate adaptor supplied with the PSU, setting the polarity accordingly. The unit is reverse-polarity protected. Socket: 2.1mm, centre connection: +.

£37.50

Order Code C76

TELERADIO NEWS

THE TV/FM DX-ING & ARCHIVE TV MAGAZINE

Colour e-version
now available by e-mail
See Page 14



E-mail us for **SAMPLE COPY**

UHF

ANTIFERENCE TRU-MATCH 12-ELEMENT

Lightweight (0.6kg) durable construction making it ideal as an additional array for vertically-polarized DX signals.

Chs 21-60. LTE protected.
Gain: 12.9dBi. F/b ratio: 17dB.
Acceptance Angle: 23°.
End clamp. Length: 975mm.

£11.95 [Order Code UA12](#)



WOLSEY DOUBLE-DIRECTOR ARRAY

Impressive durable construction. 18mm square boom. Meets CAI Benchmark Standard 3 spec.

Chs 21-60. LTE protected.
Gain: >14dBi, F/B ratio: 20-26dB.
Beamwidth (Horiz) +/- 18°.
Boom length: 1.0m approx.

Vertical or Horizontal polarisation.
End-mounted tilt clamp provides elevation adjustment.

£24.95 [Order Code UA01](#)



P15 PACKAGE WITH ABOVE AERIAL, AMPLIFIER, PSU, COAX & SUPPORT MAST £40 – See Page 11

TRIAX UNIX-52

Chs 21-60. LTE protected.
52-el. with X-director chain.
Gain: 11-14.5dBi. F/B ratio >27dB.
Beamwidth (Horiz) +/- 15°.
Under boom (supplied) or end clamping.

£39.85 [Order Code UA60](#)



SAC TRIPLE BOOM

Chs 21-60.
50-element CAI benchmarked.
F-connection. Length: 1060mm.
Gain: >15dBi. F/B ratio: 20-30°.

£39.70 [Order Code UA20](#)



SAC 20-ELEMENT LOG-PERIODIC

LTE/4G filtering. Clean polar response.
Gain: 7-10dBi.
Front-back ratio: H60° / V65°.
Length: 40cm.

£13.20 [Order Code UA21](#)



UHF: Manufacturers gain figures quoted (dBi = dB+2.1)

MAST-HEAD AMPLIFIERS

TRIAX

WIDEBAND MEDIUM GAIN (13dB)

Gain: 13dB Noise fig: 1.9dB. Output: 105dBuV.
Powered via coaxial down-lead.

£13.95 [Order Code M20](#)

WIDEBAND VERY HIGH-GAIN (34dB)

Gain: 22-34dB adjustable.
Powered via coaxial down-lead.
Noise fig: 1.8dB. Output: 105dBuV.

£19.65 [Order Code M21](#)

FRINGE ELECTRONICS

WIDEBAND UHF MASTHEAD AMPLIFIER

Top of the range lo-noise hi-gain for DX-TV, digital or analogue reception.
Gain 25dB. Noise fig. 1.9dB. Output: 106dBuV.
Powered via coaxial cable.

For suitable power units see below.

£23.95 [Order Code M16](#)

DAB & BAND III MAST-HEAD AMPLIFIER

Dedicated 175-230MHz coverage.

Gain 20dB. Noise fig. 1.8dB.

Output: 100dBuV.

Powered via coaxial down-lead.

For suitable power units see below.

£19.95 [Order Code M11](#)



FM-BAND MAST-HEAD AMPLIFIER

Dedicated 88-108MHz coverage.

Gain 20dB. Noise fig. 1.8dB.

Output: 100dBuV.

Powered via coaxial down-lead.

For suitable power units see below.

£19.95 [Order Code M13](#)

LO-NOISE MAST-HEAD

VISION V20 1113

Noise Figure 1.2dB. Gain 13dB ±0.5dB

Output 100dBuV

DC Power 5V to 12V @36mA

£14.99 [Order Code VP01](#)



POWER UNITS 12V 100mA

Suitable for all mast-head amplifiers

NAVIGATOR 'GOLD'

Stabilised 12V 100mA.
Fitted with UK 3-pin plug.
F-connectors (supplied).

£12.99 [Order Code PU02](#)



ANTIFERENCE

Screened for digital applications. F-connectors.
Stabilised. Fitted with UK plug.

£15.65 [Order Code PU03](#)



IN-LINE DC INJECTOR

Allows 12V DC to be introduced via the coaxial cable to power a mast-head amplifier from a battery, etc.
Features RF filter and DC block. DC lead.
Female/male coax connectors.

£6.55 [Order Code PU50](#)

DC BLOCK (In-line)

F-connector.

£2.95 [Order Code PU60](#)



COAX & CONNECTORS Pages 10 & 11
MAST PARTS, CLAMPS & MOUNTS Pages 12 & 13

INDOOR DISTRIBUTION

MAINS POWERED UK 3-PIN PLUG FITTED

SLX VHF/UHF VARIABLE-GAIN AMPLIFIER

Covers: 45-862MHz. One input, one output.

Coaxial sockets.

Gain: 0-20dB gain. Noise Fig. <4dB.

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Also available with 12V DC powering option

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SLX VHF/UHF VARIABLE-GAIN - TWIN OUTPUT

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INPUTS: VHF: 47-230MHz UHF: 470-862MHz.

4 outputs: 10.5dB per socket.

Coaxial sockets. Line-powering facility.

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FRINGE VHF/UHF (47-860MHz) 3-WAY AMPLIFIER

Ideal for Band I DX-ing – feeds up to 3 sets.

Single Input: 47-860MHz (VHF-UHF).

Gain per socket 8dB. Noise fig. 3.9dB.

Coax sockets.

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WOLSEY UHF 6-O/P (4G FILTERED) + PSU

Mast-head or loft distribution amplifier (470-790MHz).

DC powering via any chosen down-lead.

Can safely be switched off when not in use.

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AMPLIFIERS AVAILABLE**

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Female coax inputs. Male output.

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HIGH-QUALITY FULLY-SCREENED INDOOR SPLITTERS

5-2450MHz. DC Pass via any output to input port.

F-connectors. Includes fixing screws and terminal caps.

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£5.95 4-way Order Code X04

£6.95 6-way Order Code X06

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Fully screened. 5-2400MHz.

Wall or mast mounting.

DC pass on 1 port in both directions.

Weatherproof housing. F-connectors.

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FOUR WAY £9.95 Order Code X21



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SAT: 950-2400MHz UHF: 470-862MHz

DAB: 174-230MHz FM: 88-108MHz.

£11.95 Order Code X80



TRIAx UHF + SAT INDOOR DIPLEXER

F-connectors. Power to SAT leg.

£5.95 Order Code X50



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Power up to three amplifiers from one power unit

Combines Bands I/II, III and UHF.

DC pass to all inputs.

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**COAX & CONNECTORS Page 10
MAST PARTS & BRACKETS Pages 12 & 13**

UHF FILTERS

4G FILTER (CH60)

- Passes Chs 21-60.
- At800 approved.
- Indoor use – fit before amplifier
- Diecast housing. F-connectors.
- Includes fixing strap and screws.

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TRIAx UHF GROUP-PASS FILTER

Indoor use. F-connectors.

Group A Chs. 21-37 £6.85 Code UF10A

Group B Chs. 35-53 £6.85 Code UF10B



FRINGE ELECTRONICS UHF GROUP-PASS FILTER

Weatherproof housing. Channels 21-34.

£9.95 Order Code UF15A

COAX & ACCESSORIES

100M DRUM COAXIAL CABLE

Double-screened RG6 for digital, DX-TV or satellite.

Colour: Black.

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15M COAX CABLE PACK

15m double-screened coax cable (black).

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FLYLEAD KIT

Thin ready-made leads with moulded plugs cause unreliable digital reception.

This kit enables you to make up various better-quality leads to your own requirements.

2.5m double-screened coax cable (black).

4 Coax plugs.

1 F-connector.

1 Coaxial coupler (barrel).

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DC pass – IR link compatible

Protects against impulse interference

Easily replaces existing standard sockets

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Roll 10m x 19mm approx.
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VARIABLE ATTENUATOR

Attenuation range: 0-20dB. Fully screened.
Multi-turn pot. 5-2000MHz. Coax connectors.
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Attenuation range: 0-20dB. DC thru-pass.
Fully screened. 5-2000MHz. F-connectors.
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3. F-PLUG to MALE COAX PLUG **Order Code L30/3**
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Female to male for tight spots.
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PL259 PLUGS 4 for **£2** **Order Code L40**
PL259 SOCKETS 4 for **£2** **Order Code L41**

PL259 (SOCKET) TO BNC (PLUG) ADAPTOR
£1.00 each Order Code L42

MANY OTHER CONNECTORS ARE AVAILABLE
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STEREO AUDIO LEADS (10m)

PHONO (MALE) TO PHONO (MALE) TWIN LEAD
£6.75 **Order Code RM03**

PHONO (MALE) TO PHONO (FEMALE) TWIN LEAD
£6.75 **Order Code RM06**

PHONO COUPLERS
75p each **Order Code PC10**

PHONO PLUGS
60p each **Order Code PC11R (Red)**
60p each **Order Code PC11B (Black)**

SWITCHABLE SCART TO PHONO ADAPTOR
One video, 2 audio PHONO inputs/outputs.
£2.35 **Order Code SW10**



HS P15 UHF PACKAGE £50

**THE IDEAL COST-EFFECTIVE
SOLUTION FOR RECEIVING
CONTINENTAL DIGITAL SIGNALS!**



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**INCLUDES AERIAL, HI-GAIN LO-NOISE AMPLIFIER,
PSU, COAX, SUPPORT MAST & BRACKET**

- Includes Wolsey 8-bay double-director chain antenna.
- Impressive construction with two-section 18mm square boom. Covers: Chs. 21-60. LTE filtering.
- Gain: >14dB, F/B ratio: >20-26dB. Beamwidth +/- 18 deg. Boom length: 1.0m.
- Suitable for loft or outdoor installation.
- Vertical or Horizontal polarisation.
- End-mounted tilt clamp for elevation adjustment.
- Fringe Electronics 'Supreme' amplifier (25dB gain, 1.9dB noise fig) with PSU.
- Includes 10m double-screened cable, connectors,
- Universal bracket with L-mast (400m approx) or straight mast (400m approx). Please select.

P15 with STRAIGHT MAST
P15 with L-MAST

Order Code P15/S
Order Code P15/L

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UNIVERSAL BRACKET WITH L-MAST

Allows aerial to be orientated into various positions to provide tilt, etc.
Approx 400mm (16-in) long x 25mm (1-in) dia.
Loft or fascia mounting. Screws provided.
£5.99 **Order Code F01**



LOFT SUPPORT 25mm (1-INCH)

400mm (16-in) x 25mm mast with bracket.
Screws provided.
£4.99 **Order Code F02**



ALLOY MASTS



Approx. Sizes

1.5m x 25mm (5ft x1-in) **£8.95** **Code H30***

1.5m x 32mm (5ft x1.25-in) H. DUTY **£10.95** **Code H36***

1.5m x 37mm (5ft x 1.5-in) **£14.95** **Code H34***

If ordered with larger/longer antennas (not UHF) then these can usually share the same packaging and delivery charge.

BRACKETS

UNIVERSAL BRACKET

Loft or fascia mounting of 25mm mast.
Provides 'stand-off' or 'through' mounting..
£3.85 **Order Code F20**



SWIVEL BRACKET

Accepts 25mm mast (1-in).
£3.85 **Order Code F21**



CARAVAN BRACKET

Jaw size: Up to 5mm.
Accepts 25mm (1-in) mast.
£4.80 **Order Code F30**



6-INCH WALL BRACKET

Accepts up to 37.5mm (1.5-in) masts.
Includes V-bolts.
£6.75 **Order Code B19**



T&K BRACKETS (18-INCH)

Takes up to 2-in (50mm) mast.
Stand off: 15.5in (to mast centre).
Includes V-bolts.
£20.65 **Order Code B11**



DELIVERY PRICES: Contact us for details if ordering with other items.

T&Ks CAN BE USED WITH PIVOT ASSEMBLY (MA05) FOR RAISING A MAST AGAINST A HOUSE WALL

See Next page

CLAMPS

SMALL 90 DEGREE CLAMP

Attaches 25mm (1-in) round boom to 25mm (1-in) dia. mast.
£3.85 **Order Code J80**



MEDIUM 90 DEGREE CLAMP

Attaches 25mm (1-in) round boom to mast (up to 50mm (2-in) dia).
£3.55 **Order Code J81**



HEAVY-DUTY 90 DEGREE CLAMP

Accepts up to 50mm (2-in) mast.
Takes up to 37mm (1.5-in) boom.
Can also be used as an extender.
Two can be used spaced apart for sturdiness.
£5.95 **Order Code J82**



WEBSITE

Some of the items that appeared on our original 'dx-tv' and 'test-cards' websites can now be found in pdf format (www.pdf-archive.com) at:-
<https://document.li/m5FV/>

MAST PARTS

GROUND PIVOT FOR RAISING POLE MASTS

Allows a mast to be raised single-handed. Can be used for raising guyed masts or installed against shed - use Upper Bracket (MA02) for support.



Clamp accepts up to 50mm (2-inch dia.) mast. Stub mast enables main mast to fit over it, thus providing manual rotation if required.

£10.00 **Order Code MA01**

UPPER BRACKET

Upper bracket (5.75-in stand-off to mast edge) is bolted to shed wall. Mast (up to 50mm/2-in dia) is clamped firmly into position, or slackened and lock-nutted to allow manual rotation.



£12.75 **Order Code MA02**

PIVOT ASSEMBLY FOR HOUSE WALL MASTS

Raise a mast against a house wall with ease. Clamp for up to 2-inch dia. mast. Can be used with Upper Bracket (MA02) or with T&K brackets to create a more substantial support. Can be bolted to a concrete path or base board and removed once the mast is secured (if using T&Ks). Fitting a short stub mast enables main mast to fit over it, providing manual rotation.



£12.75 **Order Code MA05**

MASTS –Practical Ideas for the DX-er

Lots of ideas for D-I-Y masts. Practical advice for simple masts, loft, gable end and chimney installations. Guidance on safety and practical aspects when planning mast structures.



£5.95 **Order Code HSP21**

FREE WITH HARDWARE ORDERS OVER £20

UNIVERSAL COUPLER

For joining two 25mm (1-in) masts. Suitable for indoor installations. Will join round or square boom or a mixture.



£2.50 **Order Code H50**

2-INCH HEAVY-DUTY COUPLER

£18.95 **Order Code H52**



A simple mast using Ground Pivot (MA01) and Upper Bracket (MA02)

GUY/LASHING WIRE (5 metres)
£2.95 **Order Code H60**



METAL THIMBLES (Pack of 4)
£2.95 **Order Code H65**

GUYROPE GRIPS (Pack of 4)
£3.45 **Order Code H66**



GUYWIRE TENSIONER
Centre: Approx 100mm long.
£3.85 **Order Code H70**



GUYWIRE TENSIONER
Lock nuts – two spanners required.
£2.50 **Order Code H71**



MAST HOOK (4-WAY)
£6.75 **Order Code H73**



GROUND ANCHOR (x4) FOR GUY LINES
Four 25mm alloy anchors (500mm long approx) Holes for guy-line attachment.
£7.45 **Order Code H75**

X-ISOLATOR BASES
No cap but can be used for making quads Fits 25mm (1-in) mast), 12.5mm (1/2-in) rods
£1.00 for 4 **Order Code SU01**



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TV/FM DX-ING AND ARCHIVE TOPICS MAGAZINE

Published bi-monthly since 1983
with occasional mid-season Sporadic-E Specials.



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For the current pack list see Pages 16, 17, 18 and 19.

For payment methods, please see Pages 25 or 26.

You can use the Order Form on Page 27
or email your requirements.

DX-TV RESEARCH

TeleRadio News hard-copy back issues are available for research purposes with issues dating back to the 80s. These cover F2 DX (1988-1992 and 2000-2002) and the classic Sporadic-E and tropo openings of the 80's and 90's.

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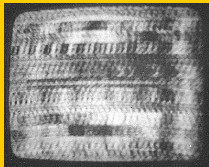
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TV-DX HISTORY IN PRINT

**Rare copies of early TeleRadio News magazines.
Relive those incredible DX openings!
Ideal for propagation research.**

THE 1990-1993 F2 YEARS

This period of F2 was a truly fascinating spectacle, spanning several winters of incredible DX reception from all parts of the globe. It was routine to switch on at 0800 and witness pictures from Asia, rock solid and at high-strength thanks to an upsurge in solar activity. Skip distances were far in excess of Sporadic-E ones and quite a few mystery stations were encountered, some of which were never fully identified. Speculation still continues.....



These 12 selected TeleRadio News issues covering October 1990 to March 1993 feature lots of reception reports, pictures and logs which are regarded as an important piece of DX-ing history by enthusiasts.

**12 RARE ISSUES £10.00
Order Code TRN F21990-1993**

Please check availability before ordering.

THE 1998-2002 F2 YEARS

Although some DX-ers do not regard the 1998 to 2002 solar cycle to be not quite as potent as the previous one, to receive Australian pictures at 46.25MHz as one of the first F2 encounters was something to treasure. Nevertheless signals were encountered over several winters in the United Kingdom and the logs and pictures within these 12 selected TeleRadio News issues are there to savour.

**12 RARE ISSUES £10.00
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Please check availability before ordering.

TELERADIO NEWS 1993

It's hard to believe how quickly time flies. Over twenty years ago mystery test cards from unlisted relays were being received. DX was in its heyday. Topics include Solar Activity, the Test Card C generator and the introduction of DAB. Lots of rare test cards and pictures.

**5 RARE ISSUES £5.00
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Please check availability before ordering.



THE TELERADIO NEWS 'YEARS' COLLECTION

**Packs of 6 issues covering various years
from 1993 until the present day.**

These issues contain a mine of information featuring various technical topics, also test cards and graphics, transmitter listings of the time, not to mention the reception reports and logs in chronological order. Relive those classic Sporadic-E and tropospheric openings when analogue ruled!

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Each pack contains **FOUR** 'TV Graphics Review' archive magazines with almost **100** pages of fascinating reading

PACK 14

BBC Christmas Graphics from the Eighties.....Test Card CD Reviews: Mozart Lounge....Christmas test card music data files...BBC identification captions from the 90s....The 1960 BBC digital clock.....BBC-2 clocks and captions from the 60s...Early ITV regional graphics.....Czechoslovakian test cards and ident. symbols....Test Card music data files...More BBC-2 clocks and idents from the 60s including the early days of colour TV....STV logo ITV graphics (60s and 70s)....Test cards and clocks from Denmark and Czechoslovakia...Early BBC-2 identification captions, clocks and ITV graphics...Danish and East German clocks and test cards.

PACK 15

Christmas test card music data files...Merry Christmas from BBC-TV: Mainly 80s graphics from BBC-1 and 2... BBC-2 clocks and idents from the 70s and 80s...Test card music data files...More BBC-2 clocks and idents from the 80s...ITV regional idents.....East German clocks and idents...Modern Ukraine TV graphics....The history of 405-line TV: early Rediffusion clock.....The Polish TV invasion of 1975: weather effects bring in TVP (with pictures)...Solent TV and Dutch Christmas TV greetings.... Merry Christmas from BBC-TV: Mainly 80s graphics from BBC-1 & 2: 80s & 90s...ITV Film posters...BBC-2 symbols introduced in Feb. 91...Christmas Graphics from 2005: BBC and ITV analogue and digital channels...21st Birthday of the Big Switch-off (405 lines switches off) – early London ITV graphics...Rediffusion test charts...A look behind the Iron Curtain: Russian, Polish and Albanian graphics....High-pressure brings in distant digital DX signals –includes Belgian graphics.

PACK16

Test cards via satellite.....Memories of BBC Midlands – an illustrated article by Steven Jones.....BBC-2 idents.....Central TV and Channel TV idents....Regional BBC globes.....New BBC-2 idents launched (2001) – a comprehensive selection of graphics...BBC Christmas graphics (70s and 80s)...Early days of Grampian and Granada ITV identification captions...Museum of Broadcast History in Chicago (illustrated article by Thomas Phalke) – pictures of studio cameras and test cards...BBC2 and ITV idents (Meridian, London and Scottish)...Falling standards by Ian Moody (illustrated

article) with BBC 'Dancing' idents...BBC2 and ITV Graphics (Scottish and Southern)...The varied work of Carey Blyton...More great music from Switzerland (CD reviews)...Film and TV Music CDs – the Carey Blyton story (illustrated article).

PACK A 2006

The Early TV Years (illustrated article) – first demonstrations, dual-system demo, early tuning signals, the Baird system...Vandals Strike Again – a look back at the good old BBC Weather forecasts, news and programme presentation (article/graphics)...Spacecraft Technology: the Early Years (review/article)...405-lines may rise from the ashes – broadcasts planned from Alexandra Palace...Test card music listings...Top of the Pops – a look back with graphics...Apollo Sound Vol. 10 review...The Early TV Years (an illustrated article) – 405-line colour, 405-line UHF trials, early colour test slides and TV control rooms....Complete list of BBC-1 405-line Band I transmitter listings, channels and frequencies...Ukraine and Icelandic TV graphics...Arc Lamps and Valves – a nostalgic look back at early broadcasting by Les Thompson....Test card music listings....Raymond Baxter remembered (illustrated article– includes early Tomorrows World graphics)...New BBC-1 identification graphics (2006), 1963 BBC globe....BBC 70 Years Celebration...The growth of TV in Wales (article with ITV and BBC graphics)...Festive Test card Music data files...Merry Christmas from BBC-tv – a selection of 80's graphics....BBC-2 clocks and identification captions.

PACK B 2007

Ten Years of Channel Five (article) – its launch, retuning and expansion, lots of graphics...The new BBC-2 ident symbols (illustrated article)... ITV West expands its borders (article) – the new Ridge Hill broadcasts and a behind the scenes look at the news....Italian Christmas graphics.....A restored Perdio TV...Switchover begins...The Sky HD Test Card (article)...40 Years of BBC Colour TV (illustrated article) – early schedules, test transmissions, the first colour receivers, the colour CRT, TV in the future...Questions, Questions - Keith meets Carole Hersee...Illuminating Experiences (article) – obtaining lighting from transmitters!!....Analogue switch-off planning in Cumbria...BBC in Band III (article) and Band III transmitter listings for BBC and ITV....

The Russian 0249 monoscope (illustrated article) and its variants....Channel Five (early graphics) with channel listings....Early TV Experiments Downunder (article) with early test cards from Australia and New Zealand.....Good Reception with Home-made Set – a nostalgic look at experimental TV reception in Aberystwyth in 1950...Viewers lose 'HD' TV...Christmas Capers (article) – an indepth look at the creation of some of the past idents.....The French 819-line system and RTF test card (article)...Russian test cards and idents.....Switch-over – Here we come....Technophobia affects us all (article).

PACK C 2008

Band I in the UK...Christmas 2007 graphics review by Stephen Michie....BFBS graphics...Moroccan temporary TV channel....Calais TV airs again...The new BBC-3 ident. symbols (illustrated article)...Cross-Channel TV (Fernsehsender Paris)...The Run-up to the Antiques Roadshow (fully illustrated article): Keith Hamer's archive TV collection, roadshow day with Michael Aspel and a behind the scenes look at De Montford Hall, Leicester....Historic Italian private test cards...BBC Test Card Week...Eurovision and Intervision graphics....BBC launches Arabic TV channel (article)....The BBC Antiques Roadshow: Behind the Scenes (fully illustrated article with OB vans, equipment and TVs)...Former Yugoslavian test cards and clocks...Test Card music listings...More French test cards...The Golden Age of Television (illustrated article): tuners, dual-standard TV sets, aerials and ITV...Spain's new graphics and early test cards....BBC West Region's news production in 1961 (fully illustrated article) by Stephen Michie...Converting to Digital (article) – targets, winners and losers, problems...TV Memorabilia (article) – early Czechoslovakian and East German TV (test cards and idents)...Border goes digital (includes channel listings), North-west and Wales switchover details... Moldova TV logos...Aerial Upgrading...Test Card F mystery – an early variation?...BBC Christmas graphics from the past decades...Death of Ceefax (illustrated article)...10 Years of Digital TV Part 1 (fully illustrated article) by Garry Smith: the pioneering days, Earls Court Sept 1989, On Digital tests, the run up to switch-on.

PACK D 2009

West Country DSO – transmitter listings...Meridian mini switch-off...The secret Test Card F...TV Graphics Review on Did We Have News For You...New Year Celebrations...Network Testing - Test Card J... The Test card Returns....Nationwide retuning and its consequences...Test card Music Files...TV Film Graphics – by Paul Thomson...10 Years of Digital TV – The Run up to OnDigital –illustrated article...Freeview HD Tests...Hospital radio axed...Iranian test card...BBC TV received in New York – illustrated article by G. Gilham...UK Digital Text Farce...Southern ITV Memories (1974 visit) - illustrated...3D TV...Local TV Memories (Kent) - illustrated...Caldbeck transmitter site...Benchmarking flaws...Breakdown at the Beeb...Origins of Test Card G (illustrated)...World wide BBC images...Planned 405-line broadcasts...BBC OB Memories –illustrated article by S. Michie...News feed test cards...Trip to Prague (illustrated with graphics)...Freeview HD launch in Granada area...BBC Multi-screen dropped...UK Teletext closures...Spain starts switchover...Inside Out Archives...Sandale site trip...BBC1 40 years old...BBC Christmas graphics...Goodbye Teletext – its history and launch....More on USA TV around 1930...Long Distance TV tests in 1939...Reader's letters...The run-up to 'Inside Out' which featured Keith Hamer.

PACK E 2010

The making of BBC's 'Inside Out' featuring Keith Hamer (article - fully illustrated featuring Alexandra Palace, Broadcasting House and Television Centre)...Those famous faces...Keith's radio station interviews...BBC HD Test Card...Erewash Sound FM launches...70's German TV graphics....Great Christmas Classics CD Review...Christmas graphics 2009...Test Card Music Data Files...A tribute to weatherman George Cowling...Recording the end of 405 lines...Inside Out Filming – it started with a phone call...Jordanian test card...Oxford mast fire...European TV closures...New Italian logos...Eurovision (illustrated article)...Test card Music on the radio...Keith live on Radio Cumbria...Inside Out filming at Ally Pally (Illustrated article by Garry Smith)...Band I TV Signals from Europe, Africa and the Middle East flood in – how to receive them (illustrated)...Vacated UHF Channels...Test Card Art...Digital text issues...Next Stop: Broadcasting House – The Making of Inside Out with Keith Hamer... 405-line relics....Ashkirk mast...More on TV theme tunes...The Philips PM5534 generator...The Channel Islands Go Digital...Gunk TV...Past Christmas Graphics...East Midlands TV studio visit – Keith Hamer...Weather Disrupts TV...The New Rowridge mast (with site pictures)...DAB Failure Prediction (New Book)... ABC-TV illuminated tram....News items.....plus much more!

PACK F 2011

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Jamming...Latvia multiplexes...Unnecessary retunes...Gibraltar Fair Week...Sacramento TV tower visit...65 Years of Sutton Coldfield...80 Years of BBC West...60 Years of Midlands Today...Full TV & FM logs from 2014 plus Reader Feedback (lots of topics).

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TV Lists: Denmark, Switzerland and Sweden inc. Band III...Benelux news...Christmas graphics...Radio DX-ing in California...Polish DAB+...Czech TV lists. French MUX 7 & 8 rollout...French TV Anniversaries...Gibraltar graphics...Birmingham local TV launch...Pop video Test Cards (illustrated)...Slow-scan TV...Science Museum visit...Dutch Transmitter Museum...Norway FM switch-off...Tribute to Colin Bloomfield (R. Derby)...60th Eurovision Contest & History Irish FM bandscan ...End of Teletext?...Obscure Test Cards...Digital TV DX...German TV lists...Gibraltar graphics...Canadian and Central Americas Band I lists...Reduced-bandwidth ATV...Live Broadcasts from the Sea...Band III Digital DX...Unusual BI/III Antenna...Irish TV lists...Hungarian M4 opens...Teletext revamp...Trip to the Vintage Wireless and TV Museum (illustrated)...Those TV Ads...Early Philips Experimental TV (illustrated)...H.F. Cable in 1973...Red Button axe...ITV arrives in London (illustrated)...Tribute to Peter Donaldson...Compact Five FM Antenna...Plus regular features: TV and FM DX reports and Satellite Scene.

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ARCHIVE PUBLICATIONS

THIS IS BBC-TV: THE FIRST 30 YEARS OF TELEVISION GRAPHICS (1934-1964)

By Keith Hamer & Garry Smith

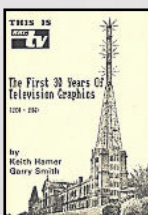
A nostalgic look at the development of TV in the UK with emphasis on the first BBC Tuning Signals ever broadcast and their variations through the years.

Also a section on the Baird and Marconi-EMI transmission systems.

Features virtually the whole collection of BBC Test Cards and Identification Symbols used until 1964 with examples of vintage programme graphics.

There's an account of BBC Children's Television with a short section about the start of BBC-2. This unique publication is an interesting presentation of the first 30 years of BBC-tv graphics used between 1934 and 1964.

£5.95 Order Code HSP 80



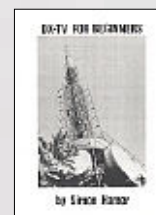
DX-TV FOR BEGINNERS

By Simon Hamer

This publication by the late Simon Hamer provides encouragement with useful advice to assist anyone with their first attempts at DX-ing.

It discusses TV systems, channel allocations, propagation, DX receiving systems, teletext reception, recording using a normal VCR plus a section on Amateur and Mobile DX-ing. Illustrated with photographic evidence of long-distance TV reception to show just what can be achieved.

Probably more nostalgia but still full of fascinating stuff.
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THE STORY OF BBC COLOUR TELEVISION

By Keith Hamer and Garry Smith

It features over 40 illustrations, many of which are extremely rare.

A special centre-page includes 12 pictures in full colour.

Some of the topics covered include early colour research work, UHF field trials in the 1950's, colour test charts and experimental mobile colour O.B's.

Includes a section devoted to BBC Colour Test Card "F".

Full list of BBC-2 Trade Test Colour Films.

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GUIDE TO DX-TV

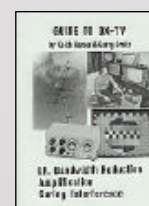
By Keith Hamer & Garry Smith

The days of analogue DX-ing! Aimed at DX-ers wishing to improve their existing installation.

The emphasis is on selecting the correct type of amplifier and filtering with ways of preventing common types of breakthrough (e.g. from local FM or TV transmitters).

It summarises propagation, receiver requirements, aerials, the setting up of a shack and exploiting the benefits of vision IF bandwidth reduction.

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GUIDE TO WORLD-WIDE TELEVISION TEST CARDS (Edition 3)

By Keith Hamer & Garry Smith

An accurate source of archive material.

Reflects the TV scene around the World during the late 80's.

Over 200 photographs of test cards, clocks, identification captions, etc.

Detailed information about the various

TV services operating at the time, including full names and abbreviations, transmission and colour systems, etc.

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MASTS - Practical Ideas for the DX-er

By Keith Hamer & Garry Smith

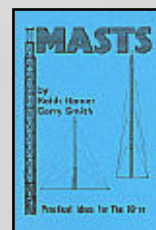
A tilt-over tower is every DX-ers dream but these are expensive.

Ideas for D-I-Y masts, which have been used successfully over the years.

Guidance on safety and the practical aspects when planning mast structures.

Also, lots of useful ideas and practical advice for loft, gable end and chimney installations.

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IDENTIFICATION OF TELEVISION TRANSMISSIONS IN EUROPE (EBU) 1974

Published by the EBU in 1974 it features test cards and captions once used throughout Europe.

Over 60 pictures are shown with some in colour.

The 40-page publication is a fascinating reminder of years ago when unique test cards were shown most of the day. Also included are all the old ITA logos from the early 70's. Definitely for nostalgia buffs!

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The fascinating archive recordings were originally made in the 1980's or early 1990's and are available exclusively from HS Publications

VINTAGE TEST CARDS ON DVD

Produced by HS Publications

Over 100 test cards and identification logos are featured, lasting 35 minutes.

These are not PC reconstructions but actual material supplied by broadcasters. Features a diverse selection of test cards and identification captions, which were broadcast throughout the World during the Sixties and early Seventies. Includes Test Card C, D, Marconi, RMA, T05, RETMA plus many unique cards. Musical accompaniment.

£19.95 Order Code DVD40



TV TEST CARDS OF EASTERN EUROPE

Distributed by HS Publications

Over 80 test cards, captions, news and start-of-day recordings. The original video recording was made in Eastern Europe in the late 80's.

Includes rare and nostalgic material from the former USSR, Czechoslovakia, Poland, Estonia and Rumania. As a bonus the DVD includes other exotics such as Mongolia, Libya and Algeria. Also features New York, BBC London and many European countries - also satellite channels. Playing Time: 49 minutes.

£19.95 Order Code DVD50



TEST CARDS FROM GERMANY (Vol. 1)

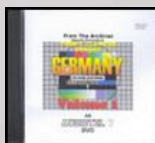
A nostalgic look back to the 1980's when test cards were transmitted for much of the day.

Identification captions, clocks, news intro's, weather charts, announcers, test cards with regional identifications, etc.

Include ARD, ZDF, WDR, S3 and SSVC.

Playing time: 57 Minutes approx.

£19.95 Order Code DVD 1



TV FROM ICELAND

Television arrived in Iceland in 1966.

This amazing DVD shows the first Clock caption and News from RUV.

Then we come a little more up-to-date with a look at Icelandic TV in the Eighties with examples of test cards, clocks, announcers, weather charts, identifications captions, etc., radiated by RUV and Stöd-2. Playing time: 46 Minutes approx.

£19.95 Order Code DVD 2



TV FROM SCANDINAVIA

Clocks, test cards, idents, news intro's, announcers, weather charts, etc, etc, from TV services in Denmark, Sweden and Norway. Playing time: 45 Minutes approx.

£19.95 Order Code DVD 3



DX-TV ON DVD

Produced by HS Publications

Examples of DX in progress from the mid-Eighties. Includes test cards.

Part 1 shows the effects of Sporadic-E, Meteor Shower, F2-layer ionization and enhanced Tropospherics - warts and all!

Part 2 shows the types of aerials and equipment used for successful reception.

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BBC GLOBES ON DVD

Produced by HS Publications

Ideal for enthusiasts who want to set up their own mini BBC-tv studio and be able to display more than the standard five seconds or so of past Globe Symbols.

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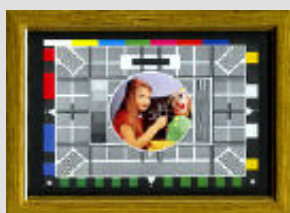
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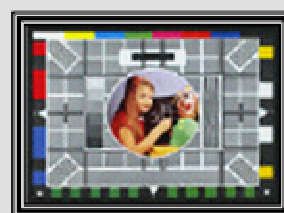


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Black frame 20 x 15 cm (8 x 6-in). Dark mount.
 £8.50 Order Code PX10B

BBC Test Card 'G' also available.



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TEST CARD MUSIC Vol.1

20 digitally remastered tracks, including:-

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