



Creating new
horizons

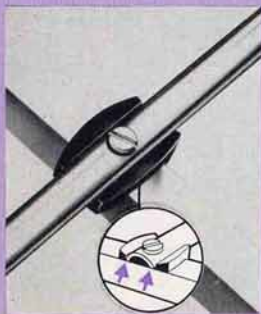
Antiference 1974/5

Antiference UHF TV Trucolour Mk3

'The riggers' aerial'

No shadow of doubt . . . this is the No. 1 riggers' choice, on every count. Sturdy, reliable build. Faster assembly and installation. Higher all-channel performance. New Trucolour Mk 3 has all the features that made Trucolour famous . . . and even more! Riggers are shrewd . . . they know very well, it's aerial quality that safeguards their profits. Now, more than ever, that can only mean Trucolour . . . from Antiference.

**RIGGERS
LOVE
IT!**



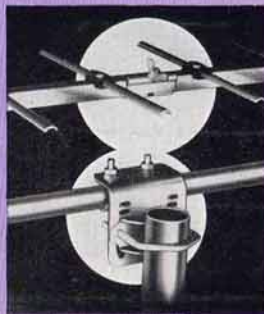
New rigid moulded director saddles

Trucolour elements are secured by neat new moulded black saddles and, unlike some designs, this one cleverly clamps each element in perfect electrical contact with the boom.



Even easier connections with new 'hold-open' saddle

Even with large diameter low-loss cable connection is faster still! Plastic sleeves hold the saddle open, and disappear as you screw it down.



Shake-proof boom coupling and new No.15 3-way clamp

Two outstanding features on TC18 arrays . . .

Fast, easy, absolutely secure . . . and no fumbling with loose bits!

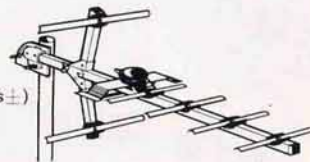
6 element

For areas of good signal strength.

TC6 Outdoor with 3-way clamp.

TCL6 Loft with Easimount.

	FG(dB)	FB(dB)	AA(degrees $\pm$)
A	9.5	25.2	25
B	9.5	25.2	25
CD	8.9	24.3	25



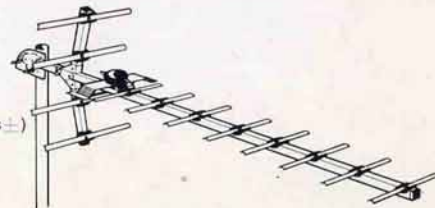
10 element

For general use in the primary service area.

TC10 Outdoor with 3-way clamp.

TCL10 Loft with Easimount.

	FG(dB)	FB(dB)	AA(degrees $\pm$)
A	11.7	28.3	21
B	11.7	28.3	21
CD	11.5	29.2	23
E	10.6	24.1	20



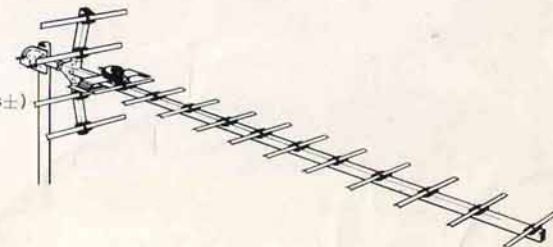
13 element

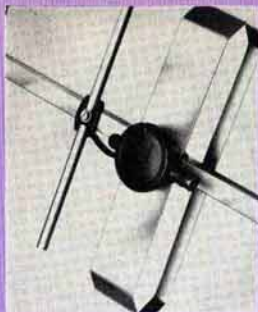
For medium range reception.

TC13 Outdoor with 3-way clamp.

TCL13 Loft with Easimount.

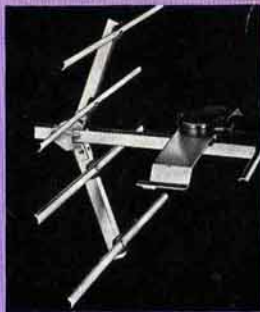
	FG(dB)	FB(dB)	AA(degrees $\pm$)
A	13.0	27.2	19
B	13.0	27.2	19
CD	13.4	28.2	21
E	12.0	25.6	19





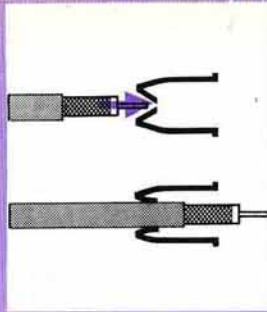
Unique Trucolour dipole

A combination of two patented methods of getting even response, and more accurate matching over a wider bandwidth. Note the captive cap too.



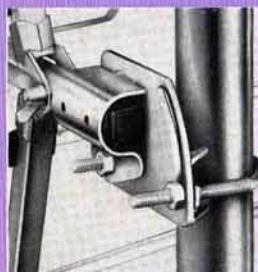
Hi-Angle reflector

Just click it open, tighten one wingnut... that Hi-Angle design makes sure of uniform all-channel performance, giving maximum front/back ratio with least weight and windage.



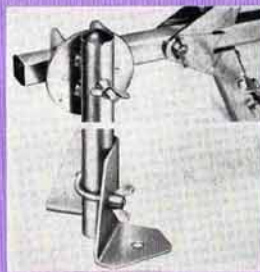
Supaseal 'any-size' entry

One more timesaver! Just push your prepared cable through, and Supaseal moulds a weather-tight seal around it. No trimming... and no troublesome leaks, whatever cable size you use.



No. 11 3-way clamp

Back plate and other components are all secured together for faster installation. Turns, tilts and rolls. As supplied with models TC6, 10 and 13.



'Easimount'

Turns, tilts and rolls, overcomes all loft mounting problems. Supplied with models TCL6, 10, 13 and 18.

...and it keeps all the famous Trucolour features

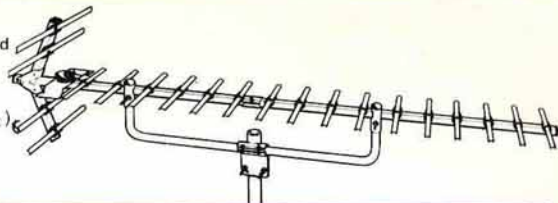
18 element

For medium/long range reception.

TC18 Outdoor with 'U' support arm and new 3-way clamp.

TC18 Loft with 'U' support arm and Easimount.

	FG(dB)	FB(dB)	AA(degrees $\pm$)
A	14.7	30.7	16
B	14.7	30.7	16
CD	14.5	29.7	17
E	13.2	28.0	17



Channel groups

Group	Channels	Colour Code
A	21-34	Red
B	39-53	Yellow
CD	48-68	Blue/Green
E*	39-68	Brown

*TC10, 13 and 18 only. (Should only be used where extra wide band coverage is essential).

Performance data (nominal)

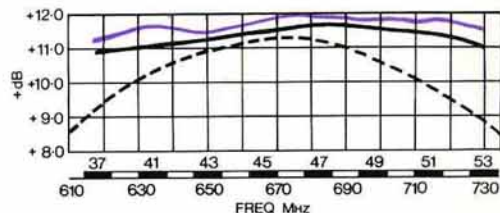
FG = Forward Gain ± 0.5 dB
FB = Front/back ratio ± 2.0 dB
AA = Acceptance angles ± 3 degrees
Full details supplied on request.

No-compromise tuning sends performance even further ahead

Trucolour UHF reception always was way over the accepted standard. Now it's even better, in gain, response and directivity. Customers don't like constant knob-twiddling and colour variations... that is why even response matters so much. The flat Trucolour Mk 3 curve tells its own story! With Trucolour Mk 3, riggers are armed with the extra all-channel performance to beat colour programme-choice problems... for certain!

Forward Gain Differential
TC10 Mk 3 TC10 Mk 2
Group B
CH 39-53

— TC 10 Mk 3
— TC 10 Mk 2
--- Official Standard.



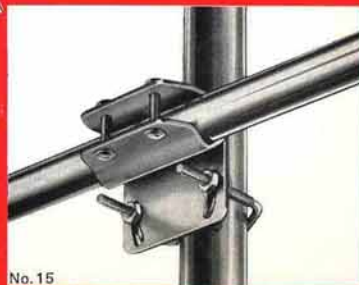
Antiference UHF TV

**NEW
EXTRA
GAIN**

**Maximises
every
microvolt**

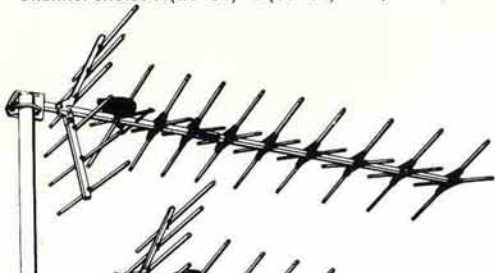
- **EXTRA forward gain** with new Quad-X dipole and Quad-X director chain
- **EXTRA high front/back ratio and better directivity** from massive six-element full-wave reflector
- **EXTRA accurate matching** from specially designed integral balun and resonator.
- **EXTRA easy installation** alignment and cable connections

Extragain is different. It is designed around the single basic principle of a four half-wave 'in-phase' configuration. It comprises the unique Quad-X dipole, which gives higher gain and broader bandwidth from four half-wave elements in a shallow 'X' with a special balun and resonator for correct matching and low VSWR. This is coupled into a powerful director chain with the same 'Quad-X' formation that not only rejects cross-polarised signals but also provides a large 'capture area'. Finally, a massive six-element full-wave reflector is added to give really outstanding front/back ratio and directivity.



Three models

Channel choice A(21-34) B(39-53) CD(48-68)

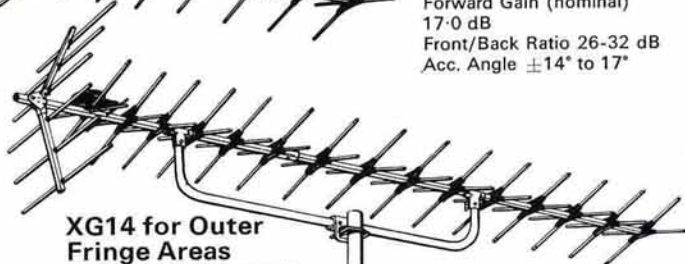


XG8 for Fringe Areas

(equiv. 2×18 element gain)
Eight powerful Quad-X
director bays. Compact
and economical

TAIL-MOUNTING with
No. 11 three-way clamp.

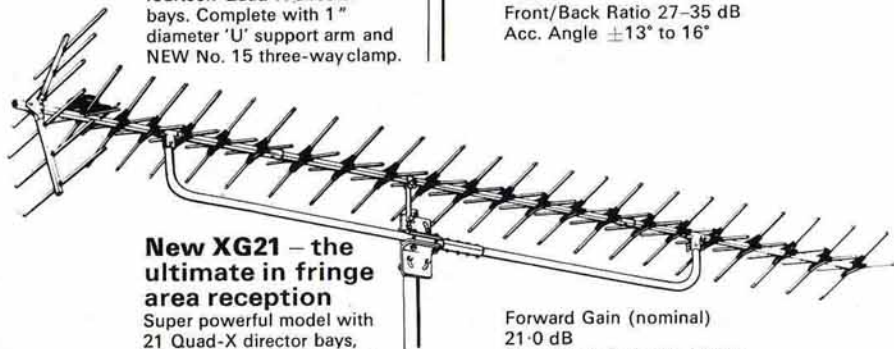
Forward Gain (nominal)
17.0 dB
Front/Back Ratio 26-32 dB
Acc. Angle $\pm 14^\circ$ to 17°



XG14 for Outer Fringe Areas

(equiv. 4×18 element gain)
Extra powerful model with
fourteen Quad-X director
bays. Complete with 1"
diameter 'U' support arm and
NEW No. 15 three-way clamp.

Forward Gain (nominal)
19.0 dB
Front/Back Ratio 27-35 dB
Acc. Angle $\pm 13^\circ$ to 16°



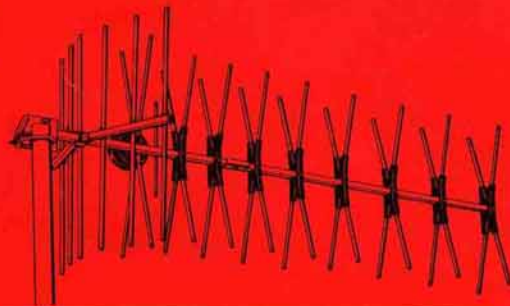
New XG21 – the ultimate in fringe area reception

Super powerful model with
21 Quad-X director bays,
1" diameter 'U' support arm
and 'double-15' clamp.

Forward Gain (nominal)
21.0 dB
Front/Back Ratio 30-37 dB
Acc. Angle $\pm 10^\circ$ to 14°

Vertical/horizontal mounting

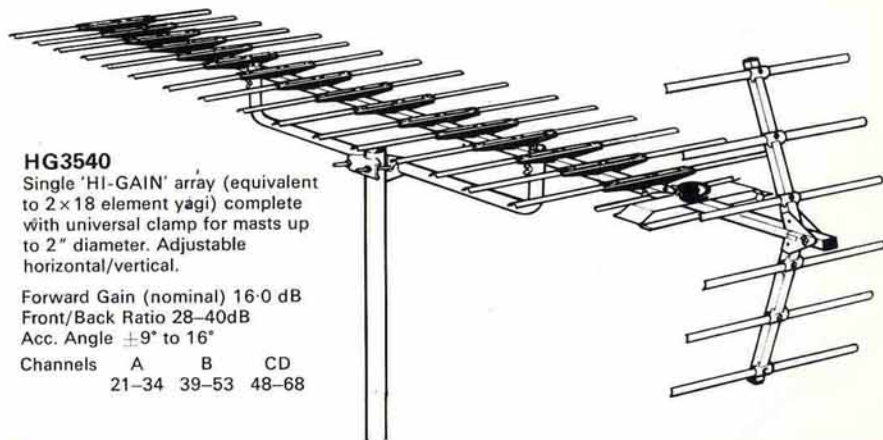
All **Extragain** models have
three-way clamps that give easy
turn, tilt and roll adjustment for
optimum signal capture and
provide adjustment from
horizontal to vertical for
reception of signals from fill-in
stations.



UHF TV Hi-Gain Mk2

Broadside performance at low cost on a single boom

Antiference 'HI-GAIN' aerals combine the technical advantages of a broadside array with the mechanical and financial advantages of a single boom aerial. The 'HI-GAIN' design avoids the undesirable cross-polarisation effects normally associated with multi-director aerals.



HG3540

Single 'HI-GAIN' array (equivalent
to 2×18 element yagi) complete
with universal clamp for masts up
to 2" diameter. Adjustable
horizontal/vertical.

Forward Gain (nominal) 16.0 dB
Front/Back Ratio 28-40dB
Acc. Angle $\pm 9^\circ$ to 16°

Channels	A	B	CD
	21-34	39-53	48-68

Extragain

Hi-Gain

Antiference UHF & VHF Set-Top & Room

*Setsquare 1

UHF set-top aerial for Bands IV and V. Beautifully styled in cream/gold. Display packs (10).

*Super Set-Top

For all-programme UHF reception. Britain's most popular set-top aerial. Compact, beautifully styled in cream, white and gold. Easy adjustment (turn, tilt, roll) for horizontal or vertical polarisation. Display packs (10).

***Please state channel groups required when ordering.**

*Power-Plus

The latest and most powerful UHF set-top aerial by Antiference. Comprises a powerful multi-element array with double director chain which takes its performance into a new class for set-top aerials.

A unique design superbly styled in cream and gold. Adjustable for horizontal or vertical polarisation. Display packs (4).

Vantenna

VHF set-top aerial for Bands I/III. Superbly finished, cream/gold. Display packs (10).

Vantenna Super

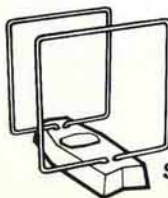
Extra range version of Vantenna. Cream/gold. Display packs (10).

Vantenna FM

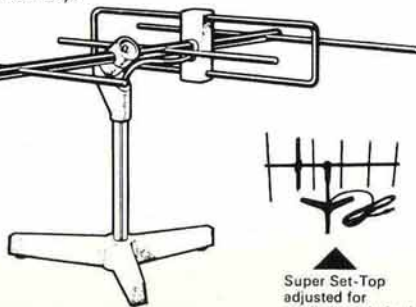
Specially designed for FM radio (Band II). Black/silver. Display packs (10).

All Antiference set-top aerials are electrically isolated for safety

For those viewers who, for one reason or another, cannot have an outdoor aerial, Antiference offer a complete range of set-top aerials for every requirement. The Antiference set-top range is tops for performance, design, appearance, choice, packaging and safety. All models are complete with lead and plug.



Setsquare 1



Super Set-Top



Super Set-Top
adjusted for
vertically polarised
signals.

Antiference VHF/FM Band II Outdoor & Loft

Modern audio equipment is capable of giving sound quality on radio which is superior to anything you have heard on tape or record.

This performance, however, is largely dependent on the level and quality of signal fed into the FM tuner.

For example: FM stereo needs ten times the level of signal required for mono.

Without enough signal you get

mush: interference and unwanted background noise.

A good VHF/FM aerial lets the tuner and amplifier prove how good it can be. Mono or stereo, with the limiter in the receiver driven hard, background noise disappears. A directive aerial can also cut out unwanted signals, interference and reflections which sometimes cause 'multipath distortion' - just like 'ghosts' on TV.

Antiference offer a wide range of VHF/FM radio aerials to suit every area. Dipole and 'H' types for local and mono reception, three, four, six and eight element arrays for longer ranges and stereo; all with the wide bandwidth, directional characteristics and other qualities that are essential for good FM stereo reception.

Outdoor

FM214/EM

Single dipole complete with 16" stand-off arm and bracket for surface mounting. Direction of aerial is adjustable.

FM214/1A

Single dipole 'grip-on' type, complete with 7" x 1" stand-off arm and universal clamp for masts up to 2" diameter.

FM224

Dipole and Reflector 'H' array only, universal clamp for masts up to 2" dia.

Outdoor (cont.)

*FM234T

3 element 'Tru-match' array with universal clamp for masts up to 2" dia.

*FM244T

4 element 'Tru-match' array with universal clamp for masts up to 2" dia.

*FM264T

6 element 'Tru-match' array with universal clamp for masts up to 2" dia.

*New FM284T

8 element 'Tru-match' array with universal clamp for masts up to 2" dia.

Loft/Outdoor

*New FM235T

3 element loft aerial for FM and stereo reception complete with Easimount mounting arm and bracket and outdoor clamp

Now with Tru-match
for even better gain and bandwidth more even response and accurate impedance matching.

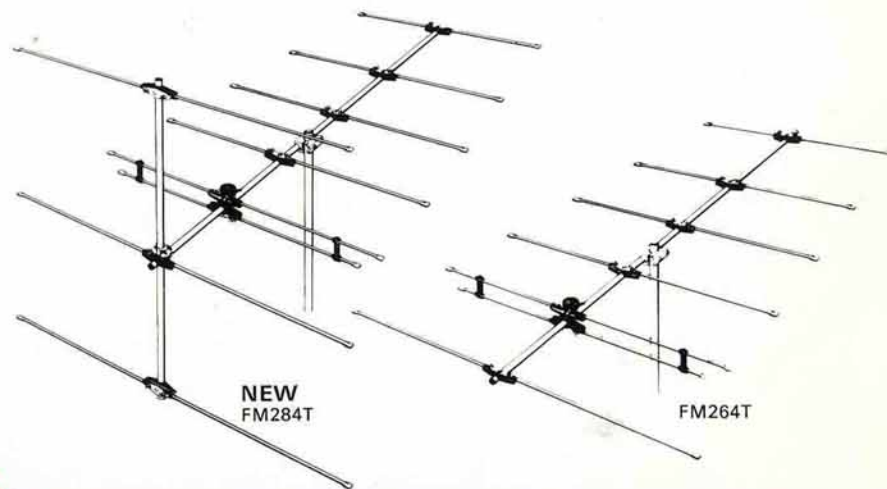
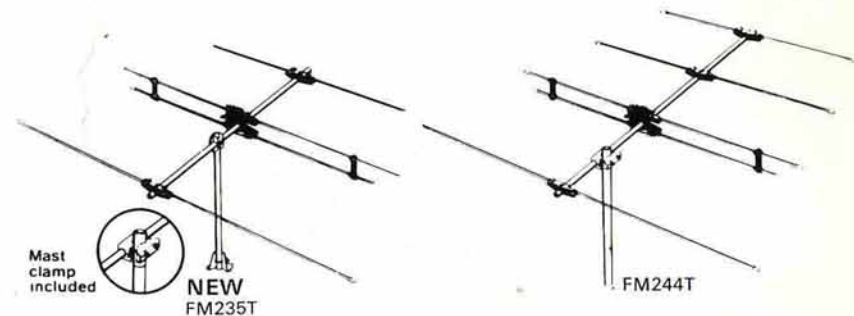
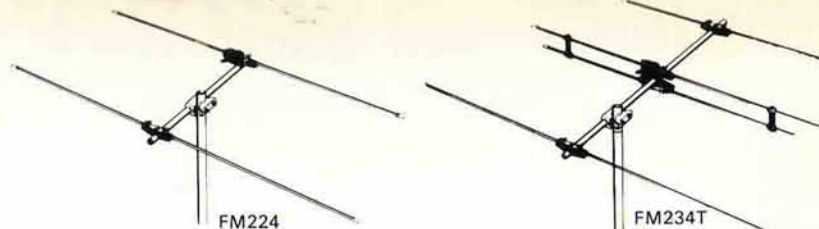
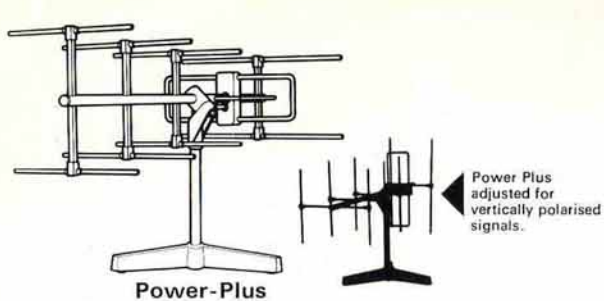
The **mush** killers for better FM stereo reception



FM214/EM

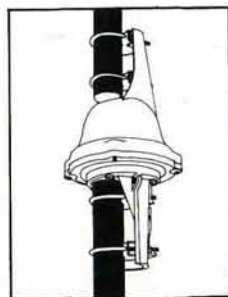
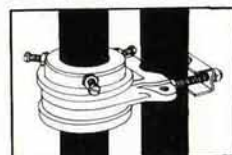
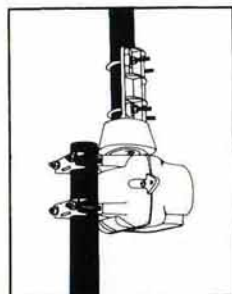
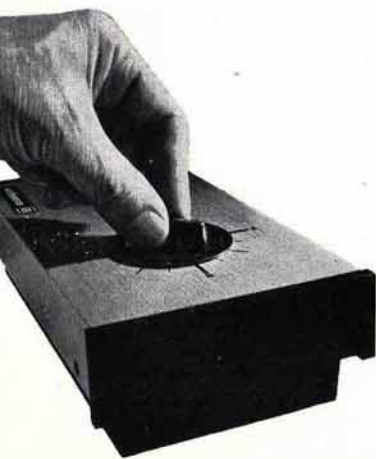


FM214/1A



New Rotenna Aerial Rotators

Bring in more FM stations, open up TV options. Available in mast clamping or heavy duty in-line types to suit size and weight of array. Both models have a handsome solid state control unit, with a knob that you simply set to a bearing and press. The rotor unit turns your aerial to 'zero-in' automatically on the selected transmitter. Alignment bearing available for tall arrays used on mast clamping type.



See also Amplifiers section for new FM Amplifier.

Set-Top & Room Rotators

VHF/FM *mush* killers

Antiference VHF TV Bands I & III Outdoor

Band I Outdoor

120

Narrow spaced "H" array.

134

3 element "Tru-match" array.

Band III Outdoor

LP7

7 element "Trulog" Log-periodic array covering all Band III channels 6-13.

SB384

8 element "Trumatch" array
Channels 9-12 only.

Band III Outdoor contd.

3114

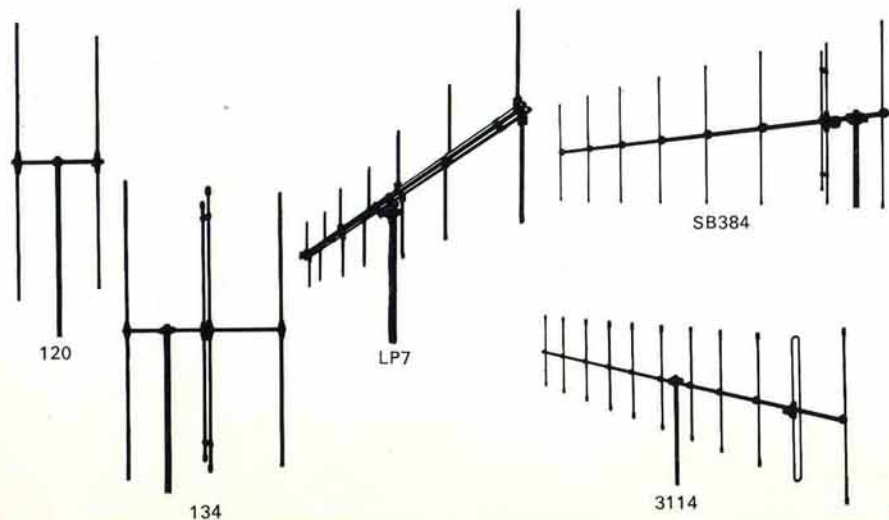
11 element "Truvision" array
channels 6/7, 8/9, 10/11, or 12/13.

Channel Choice

Please state channels required
when ordering.

Mountings

All outdoor arrays are complete
with universal clamp for masts
up to 2" dia.



Antiference Masts & Mountings

No. 1 Universal Clamp

Self-adjusting for masts up to
2" dia. and $\frac{1}{2}$ "-1" dia. booms.

No. 2 Universal Surface Bracket

for 1" dia. masts.

No. 3 Wall Mounting

for 1-1 $\frac{1}{2}$ " dia. masts
(4" stand-off).

No. 4 Chimney Lashing

(Single) for 1" dia. masts
(6" stand-off).

No. 6 Chimney Lashing

(Heavy duty, single) for masts
up to 2" dia. (7" stand-off).

No. 7 Chimney Lashing

(Heavy duty, double) for masts
up to 2" dia. (5 $\frac{1}{2}$ " stand-off).

No. 8 Wall Mounting

(Heavy duty) for masts up to
2" dia. (8" stand-off).

No. 9 Chimney Lashing

(Single) for 1-1 $\frac{1}{2}$ " dia. masts
(4" stand-off).

No. 14 Wall Mounting

for 1-1 $\frac{1}{2}$ " dia. masts.

No. 15 Three-way Clamp

Fits all masts up to 2" dia.,
 $\frac{3}{4}$ " or 1" dia. round booms and
15mm square booms.

Masts and Arms

- C 3' x 1" swan-neck (30" or 12" stand-off)
- D 3' x 1" cranked (9" stand-off)
- E 6' x 1" straight
- G 10' x 1 $\frac{1}{2}$ " straight
- H 12' x 2" straight
- K 5' x 1" swan-neck (17" stand-off)
- L 8' x 1 $\frac{1}{2}$ " straight
- M 5' x 1" cranked (14" stand-off)
- R 6' x 1 $\frac{1}{2}$ " cranked (5" stand-off)

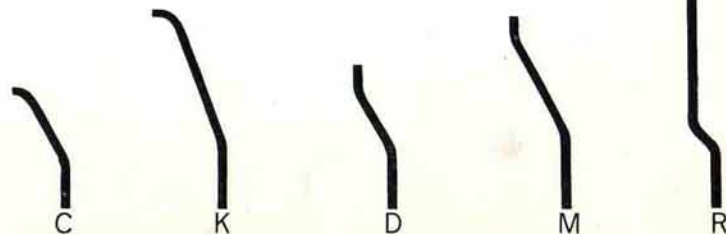
All 16 SWG other than
H 14 SWG.

Easimount EM1

For loft mounting outdoor
UHF arrays. Permits the array
to be turned, tilted and rolled.
(As supplied with Trucolour
models TCL6, 10, 13 and 18.)

Easimount EM3

A useful arm and bracket for
surface mounting UHF aerials.
Provides 14 $\frac{1}{2}$ " or 5" stand-off
 $\frac{3}{4}$ " diameter aluminium arm,
plated steel bracket.



UHF TV Troubleshooters Mk2

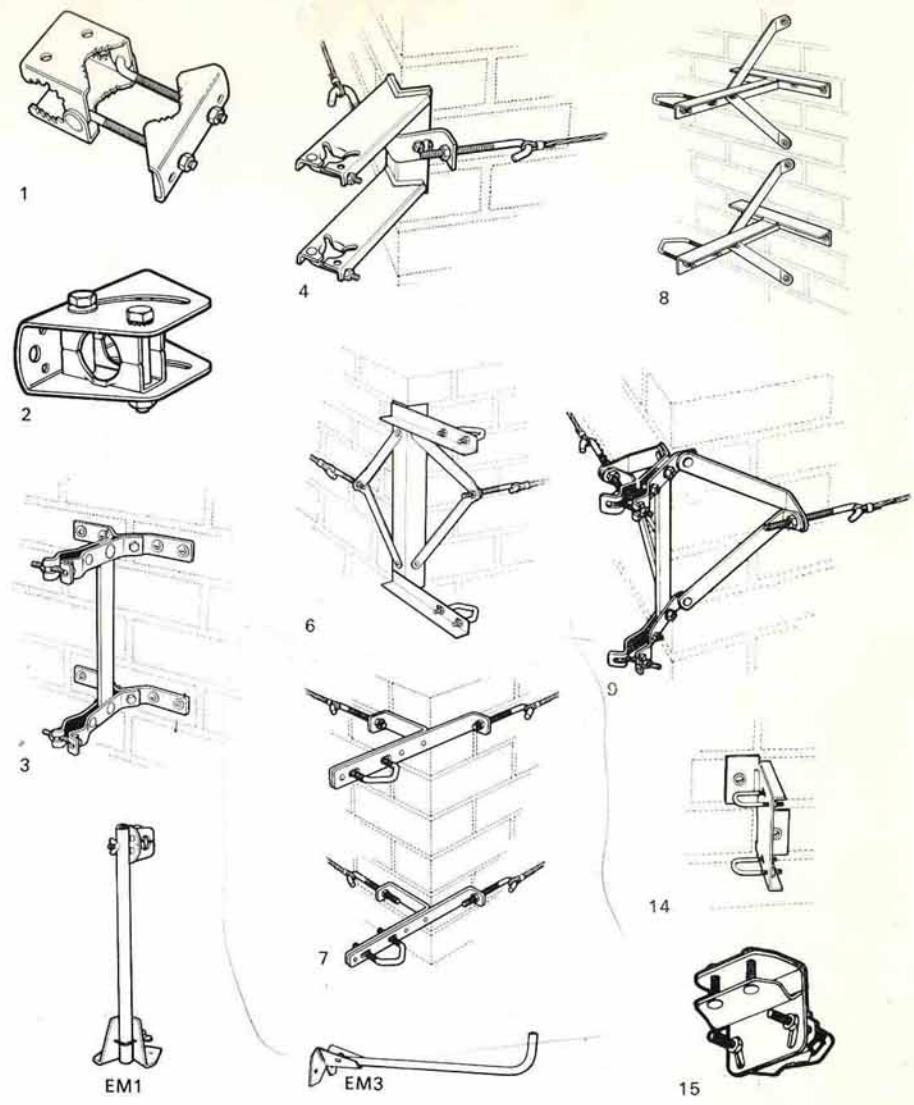
'Troubleshooters' are specially developed log-periodic aerals for UHF TV reception. Pioneered by Antiference, the log-periodic aerial has proved to be the most effective broadband aerial for black and white and colour reception in areas with directivity problems.



TS21
21 element; covers all channels 21-68 in Bands IV and V (Groups A, B, C, D, and E), complete with universal clamp for masts up to 2" diameter. Easily adjusted for vertical as well as horizontal polarisation.
Forward Gain 9-4-10-5 dB
Front/Back ratio 30-0 dB
Acc. Angle ± 21 degrees

Caravan and Camping TV Aerial Kit

Complete in strong carton with 15 element all-channel UHF aerial, 30ft. ready connected lead and plug, 3 section (10ft.) mast, Storm lines and pegs, unique tow-bar bracket, cable-guides, full fitting instructions and TV STATION GUIDE. Suitable for black and white and colour reception from all UK and Continental stations.



Antiference Accessories / Stereopacks

Aids to better TV and radio reception. All the extra aids needed to complete an aerial system. Includes cable connectors, plugs, wall sockets, flyleads, in-line attenuators, etc., all in handy dispenser packs with full instructions.

UF11/SP
VHF/UHF diplexer
Easy-to-fit diplexer to separate VHF and UHF signals from combined downlead.

SB11/SP
Splitter unit
Divides equally the aerial signal into two receivers (TV or FM).

COB11/SP
Single coaxial outlet
Easy-to-connect - suitable for TV or FM.

COB12/SP
Double coaxial outlet
Two-way junction unit suitable for TV and FM.

AS11/SP
Aerial Switch
For switching TV or FM tuner from one aerial to another or to switch one aerial downlead from one receiver to another.

TRRV/SP
75/300 ohm receiver transformer
For matching 75 ohm coaxial cable into 240/300 ohm continental FM receiver.

TVPI
Coaxial aerial plug
One piece type - bulk pack only

***TVP2/SP**
Coaxial aerial plug
Suitable for standard or low-loss coaxial cables for TV or FM.

***TVS4/SP**
Coaxial cable socket
Suitable for standard or low-loss coaxial cable for TV or FM.

***TVS5/SP**
Coaxial cable adaptor
A back-to-back socket suitable for TV or FM.

FL600/SP
Coaxial flylead
Fully insulated 6' coaxial flylead suitable for connecting aerial down lead socket to receiver input.

TVA6/SP
In-line attenuator (6dB)
Suitable for VHF and UHF - reduces signal by 6dB.

TVA18/SP
In-line attenuator (18dB)
Suitable for VHF and UHF - reduces signal by 18dB.

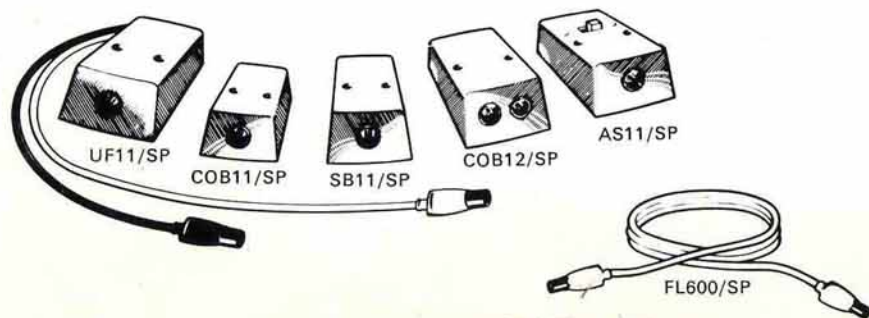
***800/SP**
Single coaxial flush outlet
Suitable for VHF or UHF with fast and easy cable connections (3 3/8" sq.).

***805/SP**
Double coaxial flush outlet
Suitable for VHF or UHF with fast and easy cable connections (3 3/8" sq.).

604/SP
Pattebox
20mm deep for surface mounting flush outlets 800 and 805

See back page for details of Stereopacks dispenser and other sales aids.

* Also available in bulk packs



Amplifiers & Cables

Masthead amplifiers for UHF TV & FM stereo

MA 102

Masthead Amplifier in fully weatherproof housing. Channelised for Groups A, B, CD or FM. Complete with perforated strip and bracket for mast or surface mounting.

Typical Gain	
Group	dB
A	15
B	14
CD	11
FM	15

PU 102

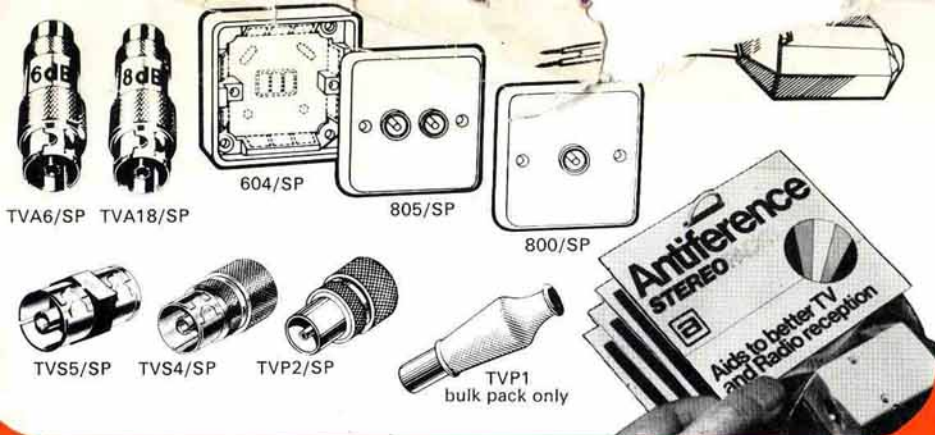
Power Unit for MA 102. Fully insulated housing.



Because Antiference masthead amplifiers are 'channel grouped' in the same way as the aerials, the chances of amplifying unwanted signals are minimised.

Cables





New "Quadair"

Semi-airspaced low-loss coaxial cables

Ideal for today's domestic UHF/VHF needs. New 'quad' section gives up to 2dB less attenuation per 100m than 'ordinary' cables. Non-kink flexibility, easy to strip, extra dense outer braid. Highly competitive prices.

Attenuation (dB/100m)

MHz	CCS 101	CCL 400
50	9.2	5.5
100	10.4	8.2
200	14.0	11.4
500	23.1	18.9
650	28.4	21.9
850	32.2	25.6



CCS 101

Standard 7/0-20mm. Quadair semi-airspaced. 100m reels, white or brown.

CCL 400

Low-loss 1/1-0mm. Quadair semi-airspaced. 100m reels, white or brown. 250m reels, brown only.

Price List

Price List				Outer Pack	Price Each		Price Each		Price Each		Price Each			
UHF and VHF Set-Top and Room						'Rotenna' Aerial Rotators etc.			Masts and Mountings			Accessories		
SQ1 Setsquare 1 10 £1.78						RTA175 £32.50			Casts			Stereopacks		
ST5 Super Set-Top 10 £3.00						RTA200 £37.50			C £0.69			UF11/SP £1.04		
PP10 Power Plus 4 £4.70						TA6 £3.99			D £0.69			SB11/SP £0.83		
V75/CM Vantenna 10 £2.10						5CC/50 £8.75			E £1.37			COB11/SP £0.38		
VS75/CM Vantenna Super 10 £2.68									G £3.35			COB12/SP £0.69		
V75FM/BK Vantenna FM 10 £2.68									H £6.29			AS11/SP £1.27		
									K £1.15			TVP2/SP £0.18		
									L £2.90			TRRV/SP £1.29		
									M £1.15			800/SP £0.60		
									R £1.90			805/SP £0.76		
									Brackets			TVS4/SP £0.33		
									1 £0.44			TVS5/SP £0.27		
									2 £0.64			TVA6/SP £0.55		
									3 £1.29			TVA18/SP £0.55		
									4 £1.87			604/SP £0.16		
									6 £3.44			FL600/SP £0.39		
									7 £3.68					
									8 £3.02			Bulk Packs		
									9 £2.16			TVP1 £0.07		
									14 £0.82			TVP2 per ten £1.20		
									15 £0.46			800 £0.60		
									EM1 £0.77			805 £0.76		
									EM3 £0.64			TVS4 per ten £2.20		
												TVS5 per ten £1.80		

Antiference products sell themselves...

- * Easy reference FM Stereo Guide, showing national, local and independent VHF/FM radio stations, aerials, rotators and extras.



- * Colourful showcards designed to fit over the control units of Rotenna aerial rotators.



- * Neat cable dispenser for two reels of Antiference Quadaire coaxial cable. Suitable for counter or shelf-mounting.



- * Free-standing dispenser for new Stereopacks. Aerial accessories come in handy plastic packs complete with fitting instructions.



...with the aid of these silent salesmen

Ask your Antiference salesman for the latest eye-catching point-of-sale aids.

Head Office: Antiference Ltd. Aylesbury Bucks HP19 3BJ Tel: 82511

Depots: Old Bond Store, Back-of-the-Walls, Southampton, Hants. Tel: Southampton 28898

12 Pennywell Road, Bristol 5. Tel: Bristol 557732

72-74 Pittwater Street, Dunfermline, Fife. Tel: Dunfermline 25432

2 Newport Street, Stonehouse, Plymouth, Devon. Tel: Plymouth 20960



Antiference

