

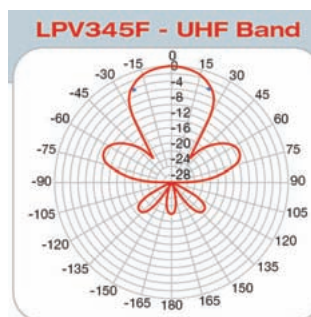
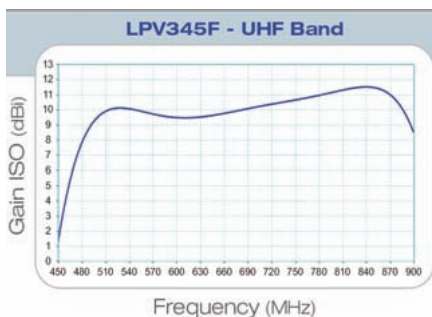
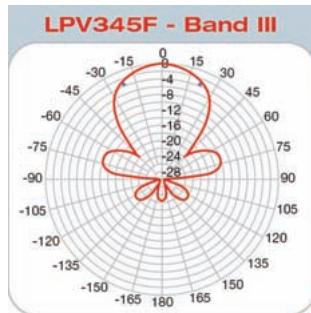
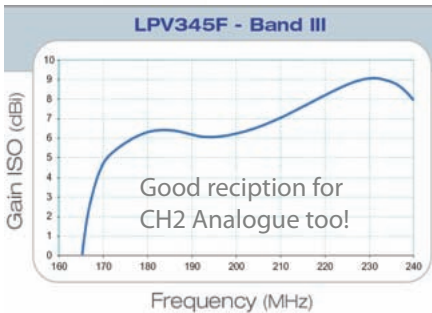
Optimized for DIGITAL and analogue TV reception



- *Receives all digital channels*
- *Unique design and compact size*
- *VHF and UHF reception*
- *Mounts both horizontally and vertically*
- *“F” type connection*
- *Perfect for travelling!*

digital

CASH PICK-UP ONLY



Technical information		LPV345F
Bands		3,4 & 5
Channels		6 - 69 Au
Bandwidth	MHz	VHF-174-230 UHF- 470-862
Maximum gain	dBi	</= 11.5
Front-to-back ratio	dB	</= 32
Return loss	dB	-18
Beamwidth (-3dB)		-23

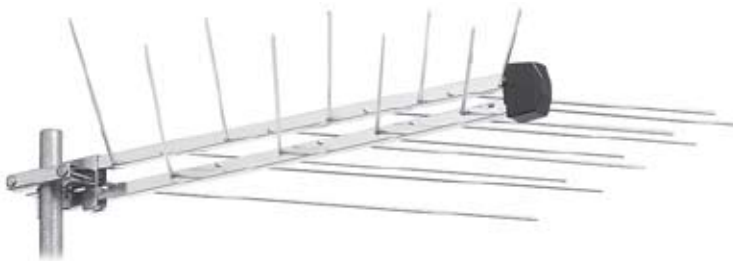
General Specifications		
Wind load @120km (720N/m2)	kg(N)	2.8 (27.46)
Impedance	ohm	75
Maximum mast diameter	mm	60
Dimensions (L x W)	cm	75 x 79



Code: PU-LPV345F

After 10 years of outstanding results in difficult reception areas all over Australia, we are ready for digital. Fracarro use a balance of precision design and quality materials to produce a superior product, the only one that carries the distinctive FR trade mark and the first true Log Periodic antenna for television.

Mount suits 25 to 60mmØ masting and permits Horizontal or Vertical mounting. Features include no loss cable connection, snap lock cap that keeps weather out - permanently, secure dual veeblock mount, black plastic components for long UV life and concealed cable inside boom.



LPV345HV

9 element true Log Periodic antenna

Australian channels 6-12 & 28-69

Excellent, flat gain figure of 9dB on Band 3 & 9.5dB on UHF

Front-to-back ratio of >22dB on Band 3 & >27dB on UHF

Compact size is great for caravan or home use

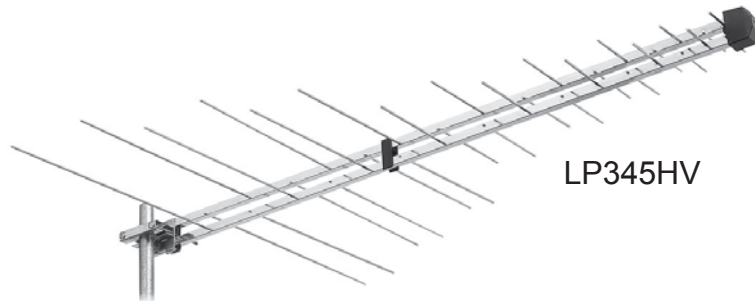
16 element true Log Periodic antenna

Australian channels 6-12 & 28-69

Excellent, flat gain figure of 9dB across all channels

Front-to-back ratio of >21dB on Band 3 and >27dB on Bands 4 & 5

No loss cable connection with the cable concealed in the boom



LP345HV

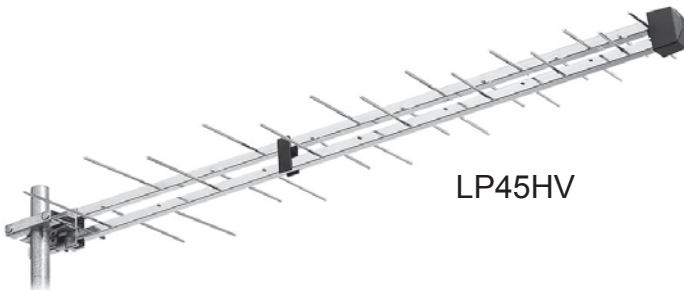
14 element true Log Periodic antenna

Australian channels 28-69

Excellent, flat gain figure of 10dB across all channels

Front-to-back ratio of >28dB

No loss cable connection with the cable concealed in the boom

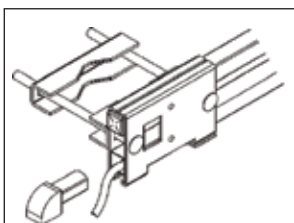


LP45HV

Direct cable entry shown

Cable protected inside the boom

Cable connects directly to the antenna under the black nose cap



Digital Ready TV Antennas

DIGITEK™

Digitek Antennas Feature:

F-Type High Performance balun
Designed and tested for Digital/Analogue reception
Heavy Duty Construction on all components
12mm extruded aluminium heavy duty elements
Tough powder coated finished
UV stabilised plastics
Heavy Duty U Bolt & Clamp
Bifurcated rivets - Strongest in the industry
3 Year Warranty

These Combination Antennas are suitable for Capital City transmitters. CM13 - For Strong Signal Area, CM17 - For Medium Signal Area, CD60 - for Weak Signal Area.

CM13 Combination Digital Ready Antenna for Prime to Medium Signal Areas.

3 Year Warranty



CM13 - Specifications

Elements	13
Band	1,2,3 & 4
VHF	
CHANNELS:	2, 6-12 + FM Band
FORWARD GAIN:	5dB
FRONT TO BACK RATIO:	5-12dB
UHF	
CHANNELS:	28-36
FORWARD GAIN:	7.5dB
FRONT TO BACK RATIO:	>20dB

CM17 Combination Digital Ready Antenna for Medium Signal Areas.



3 Year Warranty

CM17 - Specifications

Elements	17
Band	1,2,3 & 4
VHF	
CHANNELS:	2, 6-12 + FM Band
FORWARD GAIN:	6dB
FRONT TO BACK RATIO:	6-14dB
UHF	
CHANNELS:	28-36
FORWARD GAIN:	10dB
FRONT TO BACK RATIO:	>20dB

CD60 Combination Digital Ready Antenna for Fringe (weak) Signal Areas.

3 Year Warranty



CD60 - Specifications

Elements	28
Band	1,2,3 & 4
VHF	
CHANNELS:	2-12 Inc FM Band
FORWARD GAIN:	10dB
FRONT TO BACK RATIO:	10-16 dB
UHF	
CHANNELS:	28-40
FORWARD GAIN:	15-19dB
FRONT TO BACK RATIO:	15-20dB

DIGITEK™ Digital Ready TV Antennas

3 Year Warranty

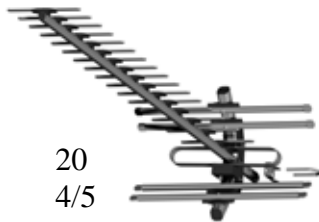
UW12 - Suitable for Strong to Medium Signal Areas



UW12 Specifications

Elements	12
Band	4/5
CHANNELS:	28-69
FORWARD GAIN:	12.5dB
FRONT TO BACK RATIO:	>14dB

UW20 - Suitable for Medium to Weak Signal Areas



UW20 Specifications

Elements	20
Band	4/5
CHANNELS:	28-69
FORWARD GAIN:	14.5dB
FRONT TO BACK RATIO:	>20dB

DIGITEK UHF Band 4/5 Antennas are suitable for Channels 28-69. For receiving SBS Sydney, Kings Cross & North Head TV Translators & Wollongong Channels.

Recommended Applications:

UW12 - for Strong Signal Area, **UW20** - for Medium to Weak Signal Area. **SX43** - For Medium to Weak Signal Area, **SX91** - For Extremely weak Signal Area. **PA2** - For Areas where ghosting is a problem.



3 Year Warranty

PA2 - Suitable for Medium to Weak Signal Areas where rear Ghosting is a problem. Can be mounted Vertical or Horizontal

PA2 Specifications

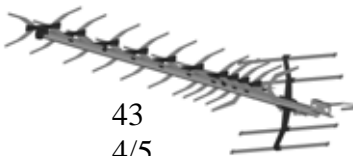
Elements	Phased Array
Band	4/5
CHANNELS:	28-69
FORWARD GAIN:	11-13.5dB
FRONT TO BACK RATIO:	16-21dB

EXTRA HIGH GAIN SX SERIES

SX43 - Suitable for Medium to Weak Signal Areas

SX 43 Specifications

UHF	
Elements	43
Band	4/5
CHANNELS:	28-69
FORWARD GAIN:	13dB
FRONT TO BACK RATIO:	>20dB

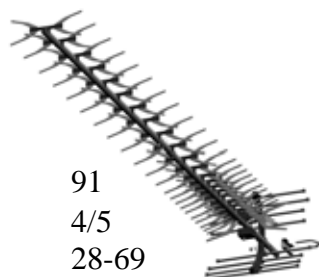


3 Year Warranty

SX91 - Suitable for Medium to Weak Signal Areas

SX 91 Specifications

UHF	
Elements	91
Band	4/5
CHANNELS:	28-69
FORWARD GAIN:	15dB
FRONT TO BACK RATIO:	>24dB



DIGITEK VHF Band 3 Antennas are for Ch'S 6-12. They are suitable for Analogue & Digital Channels 7,9 & 10 from Sydney. Then using a separate UHF Antenna pointed towards Wollongong to receive ABC, SBS, WIN , Capital & Prime.

DV307 - For Strong to Medium Signal Areas

DV307 Specifications

Elements	7
Band	3
CHANNELS:	6-12
FORWARD GAIN:	8-9dB
FRONT TO BACK RATIO:	15-17dB



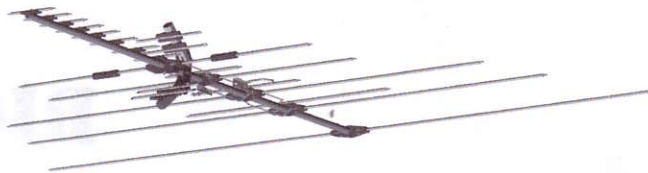
3 Year Warranty

DV310 - For Medium to Weak Signal Areas

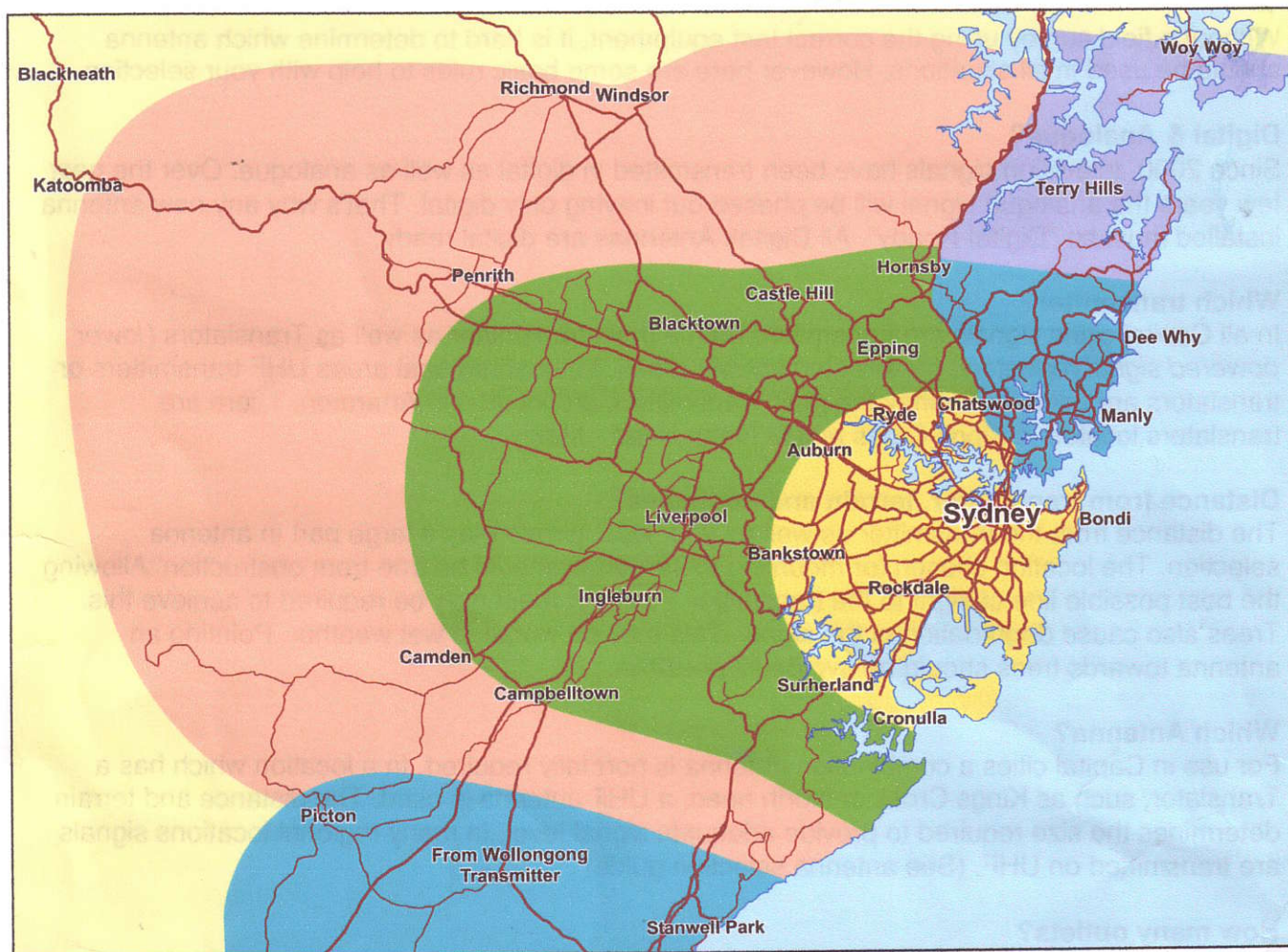
DV310 Specifications

Elements	10
Band	3
CHANNELS:	6-12
FORWARD GAIN:	11-12dB
FRONT TO BACK RATIO:	15-17dB





Antenna selection guide for Sydney



CM13 or DV307 & UW12



For inner city Kings Cross translator line of sight use PA1 or SX43



CM17 or DV 310 & UW20



CD60 or DV310 & SX91



UW20 or SX43



PA2 or SX43

This information is intended as a guide only. Terrain can vary dramatically and signal can differ from house to house. As a rule the first option shown above is a standard installation. The second option is a high gain option. In cases where signal may be affected by terrain or obstructions such as trees, the second option is recommended.

DIGITEK™

"Complete Digital Solutions"

How to select an antenna.

Without a field survey using the correct test equipment, it is hard to determine which antenna should be used in all situations. However here are some basic rules to help with your selection.

Digital & Analogue?

Since 2000, television signals have been transmitted in digital as well as analogue. Over the next few years the analogue signal will be phased out leaving only digital. That's why any new antenna installed must be "Digital Ready". All Digitek Antennas are digital ready.

Which transmitter?

In all Capital cities signals are transmitted from a main transmitter as well as Translators (*lower powered signal repeaters*) for selected trouble areas. In most regional areas UHF transmitters or translators are used. In Sydney the main transmitters are located in Artarmon. There are translators located in Kings Cross and at North Head - Manly.

Distance from transmitter, terrain and obstacles?

The distance from the transmitter as well as your local terrain play a large part in antenna selection. The location chosen for mounting the antenna should be free from obstruction' Allowing the best possible line of sight to the transmitter. A higher mast may be required to achieve this. Trees also cause degradation of the signal. This may be worse in wet weather. Pointing an antenna towards trees should be avoided if possible.

Which Antenna?

For use in Capital cities a combination antenna is normally required. In a location which has a Translator, such as Kings Cross or North head, a UHF antenna is used. The distance and terrain determines the size required to provide adequate signal level. In many regional locations signals are transmitted on UHF. (See antenna selection guide)

How many outlets?

The number of intended TV outlets also plays a part in antenna selection. For example in a situation where a small antenna may provide ample signal level to one or two outlets, splitting the signal to three or more outlets may cause the signal to fall below the minimum requirement. In this situation a larger antenna can be selected and/or an amplifier may be used.

Masthead or Distribution Amplifier?

If you connect the antenna directly to one TV (As a test) and an analogue channel picture is snowy, has colour and non-ghosting, the picture may be improved by installing a Masthead Amplifier. In most cases it will improve the signal enough to allow splitting to multiple outlets. If the same test was applied and a clear snow free picture was achieved but more than 3 outlets were required, a small distribution amplifier should be used to amplify the signal before splitting. This amplification will compensate for the loss of the splitter, thereby retaining snow free pictures.

In locations close to a television transmitter the signal may be high enough to split to multiple outlets without amplification. As a rule it's best to try the installation without amplification and simply add an amplifier later if required.

Heavy Duty Antenna Mounting Hardware

GALVABOND MASTING



Lengths:

3M x 32mm Code: MAST30

4.5M x 32mm Code: MAST45

Curved Fascia Bracket

1.5M Code: CFB15

1.8M Code: CFB18



Rafter Mount

1.8M x 25mm Code: RM1825

1.8M x 32mm Code: RM1832



U Bolt & V Blocks

UBOLT MED Code: UBM01

V Block Code: VBL01

V Block Offset Code: VBL02



EAVE/WALL BRACKETS

Flush Code: EVE01

22cm (9") Code: EVE9

66cm (27") Code: EVE27

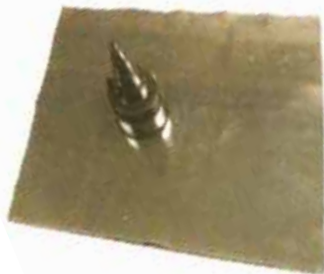
1M (40") Code: EVE40



PFK02



LFK01



Roof Flashings - Used to seal roof when mounting Rafter Brackets or Masts through roofs.

Lead Flashing Kit - For tile roof.

Code: LFK01

Pipe Flashing - For iron roof

Code: PFK02

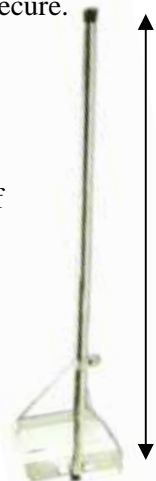
Tripod Mount - Suitable for mounting a small to Medium Antenna on Tin Or Tile Roof. Fixes quickly, easily and is very secure.

Tripod Tin Mount - For tin roof.

Code: TPM01

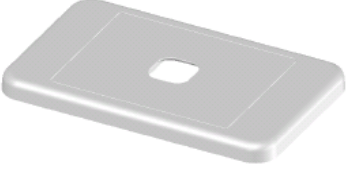



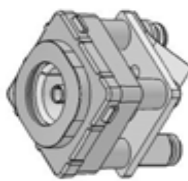



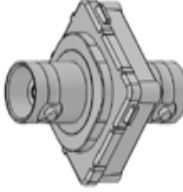

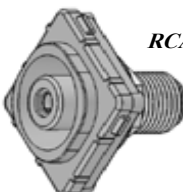
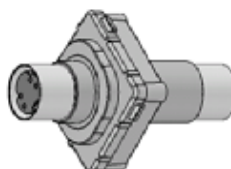

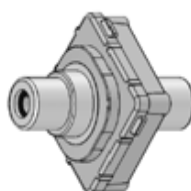
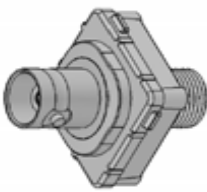

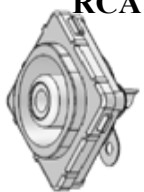
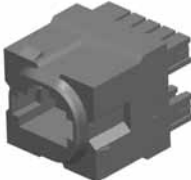
Tripod Tile Mount - For tile roof

Code: TPM02



1.5M High

1 to 6 Gang Wall Plates with *Interchangeable* Inserts *Suitable for use with Clipsal Wall Plates & Inserts*

 <p>Wall Plate - Single Code: CWP01</p>	 <p>Blank Insert For blanking off unused holes or custom fitting connectors Code: WPI200</p>	 <p>'F' to 'F' Pay TV Approved Code: WPI245</p>
 <p>Wall Plate - 2 Gang Code: CWP02</p>	 <p>Screw & Saddle to Pal Female Code: WPI205</p>	 <p>'F' Female To Pal Female Code: WPI250</p>
 <p>Wall Plate - 3 Gang Part Code: CWP03</p>	 <p>RCA to 'F' Black WPI281 White WPI282 Red WPI283 Green WPI284 Blue WPI285 Yellow WPI286 Available in different colours for easy identification</p>	 <p>BNC To BNC Code: WPI255</p>
 <p>Wall Plate - 4 Gang Code: CWP04</p>	 <p>RCA to 'F' <i>RCA Connector Recessed</i> Black WPI211 White WPI212 Red WPI213 Green WPI214 Blue WPI215 Yellow WPI216 Available in different colours for easy identification</p>	 <p>SVHS Female to SVHS Female Code: WPI260</p>
 <p>Wall Plate - 6 Gang Code: CWP06</p>	 <p>RCA to RCA Black WPI221 White WPI222 Red WPI223 Green WPI224 Blue WPI225 Yellow WPI226</p>	 <p>BNC Female to 'F' Female Code: WPI265</p>
 <p>Speaker Binding Post Red WPI271 Black WPI272</p>	 <p>RCA to Solder Terminal Black WPI231 White WPI232 Red WPI233 Green WPI234 Blue WPI235 Yellow WPI236 Available in different colours for easy identification</p>	 <p>RJ 45 Cat 5e Insert Code: WPI240</p>

NOTE:

The new inserts and wall plates are compatible with the older style **Clipsal** wall plates and inserts.