

Hills Antenna & TV Systems



TRU-BAND™ Antennas

The Hills TRU-BAND™ antennas are a revolutionary new combination antenna for Australian capital cities that have been designed for the digital-only TV environment in Australia. These antennas provide the highest digital performance characteristics, combined with sensational appearance and traditional Hills robust construction.

The antenna configuration provides high gain for prime to inner fringe signal areas. A tuned diplexer balun combines the characteristics of the VHF and UHF sections of the antenna, whilst also rejecting out-of band interference signals that can cause digital picture break-up. The Hills TRU-BAND™ Metro antennas provide the highest MER performance against benchmark tests. Even when signal levels are relatively low, there is additional MER margin above the “cliff effect”, which ensures that the risk of pixelation is minimised.

The basic TRU-BAND™ Metro antenna provides sufficient gain for all prime capital city areas and is built to provide years of trouble-free viewing.

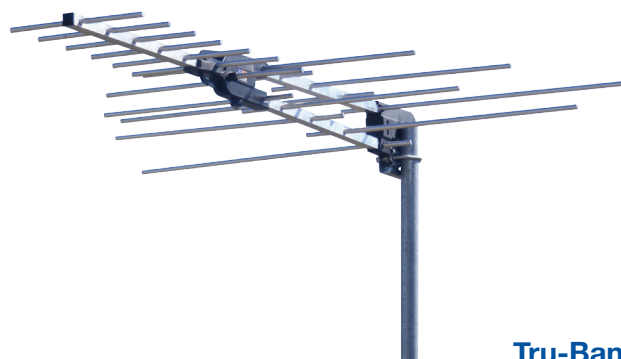
The TRU-BAND™ Metro Plus has additional gain for lower signal areas and comes in a sensational all-black finish for low visual impact, especially on modern homes.

The TRU-BAND™ Active is manufactured with an active diplexer balun, that provides higher output levels for multiple TV sets or long cable runs. The active diplexer-balun is based on a novel push-pull single stage low noise amplifier that provides increased common-mode rejection and higher output capacity, ensuring genuine HD performance in a wide range of signal strength areas.

Features

- Designed for the precise digital frequency bands for true HD performance
- Boomlock™ manufacturing technology – patent pending
- New mounting clamp for quicker and safer installation
- Channels 6 – 12; 28 – 38
- Ultrasonically sealed balun prevents water ingress for maximum reliability
- Matched diplexer balun provides cleanest digital TV signals and rejects interference
- Strong mechanical construction
- Lightweight and compact
- Sensation black finish for low visual impact (excludes Tru-Band Metro)

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Tru-Band Metro

Specifications

Model	Tru-Band Metro	Tru-Band Metro Plus	Tru-Band Active
Product Code	FB608578	FB608582	FC608583
Reception Conditions	Prime	Prime - Inner Fringe	Inner Fringe
VHF Channels	6 - 12	6 - 12	6 - 12
VHF Gain	5 - 8	7 - 9	7 - 9
VHF F/B Ratio	12 - 14	13 - 15	13 - 15
UHF Channels	28 - 38	28 - 38	28 - 38
UHF Gain	7 - 9	7 - 10	7 - 10
UHF F/B Ratio	16 - 20	16 - 20	16 - 20
Balun Type		PCB-Diplexer	
Diplexer Balun Gain	N/A	N/A	18 dB
Return Loss		> 10 dB	
Connector		F-Type (f)	
Impedance		75 Ω	
Weight	0.9 kg	1.1 kg	1.1 kg
Boom dimension		17 x 17 mm	
Element diameter		8 mm	
Element construction		Boomlock™ bonded	
Material (antenna)		6000 series aluminium alloy	
Material (clamp)		Galvabond	
Finish (antenna)	Natural	Black	Black
Finish (hardware)		ceramic coating for corrosion prevention	
Mounting pole		25 – 38 mm	

Accessories

FB607253 Tru-Band™ Plus Cantilever Support Bracket (Blk)