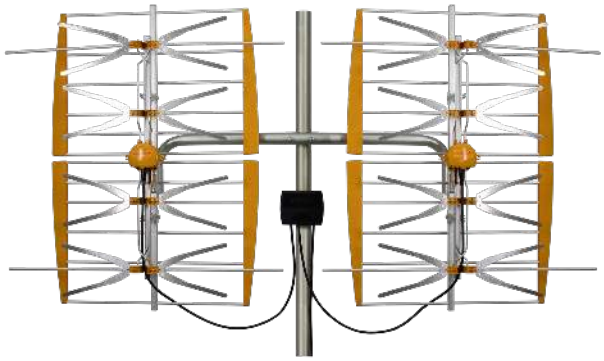
8-bay BOSS MIX antenna HighVHF/UHF (Repack Ready)



Antenna designed for a reception of mixed HighVHF/UHF signals with a double panel structure. Each panel contains 12-element flat reflectors and 4 stacked dipoles (8 dipoles in total). The dipoles are separated in such a way that their effects multiply, resulting in a high quality reception.

Both panels are connected to a mast amplifier with BOSSTech system, which combines and amplifies signals received in both panels, achieving a high-gain antenna. In addition, one of the panels allows rotation, making this antenna a great solution for those scenarios where signals come from different stations.

A low-consumption UL-listed power supply is included, providing two outputs for convenient distribution to additional TV sets.
Supplied in individual packing.

Ref.	108381
EAN13	8424450325827

Other features	
Colour	Orange
Power Supply Unit	12V, US plug
Supply method	Single packing

Packaging info	
Box	1 pcs.

Physical data	
Net weight	4,460.00 g
Gross volume	52.13 dm^3
Gross weight	5,800.00 g
Width	1,480.00 mm
Height	805.00 mm
Depth	200.00 mm
Main product weight	4,460.00 g

Highlights

- The antenna has been completely designed for reception of TV signals on RF channels 7-36 (Repack Ready)
- Crystal clear TV reception enabled by a BOSSTech preamplifier that automatically adjusts its gain independently

for VHF and UHF signals for an optimum no-compromise performance

- Signals from different stations are combined on a single output coaxial cable
- Exceptional bandwidth thanks to its stacked-dipole structure and one-panel rotation
- Manufactured in aluminium (stainless) for a long service life
- The BOSSTech preamplifier is housed in a robust black ABS plastic box that provides weather resistance
- Equipped with a plastic tie for the preamp mast mounting

Discover

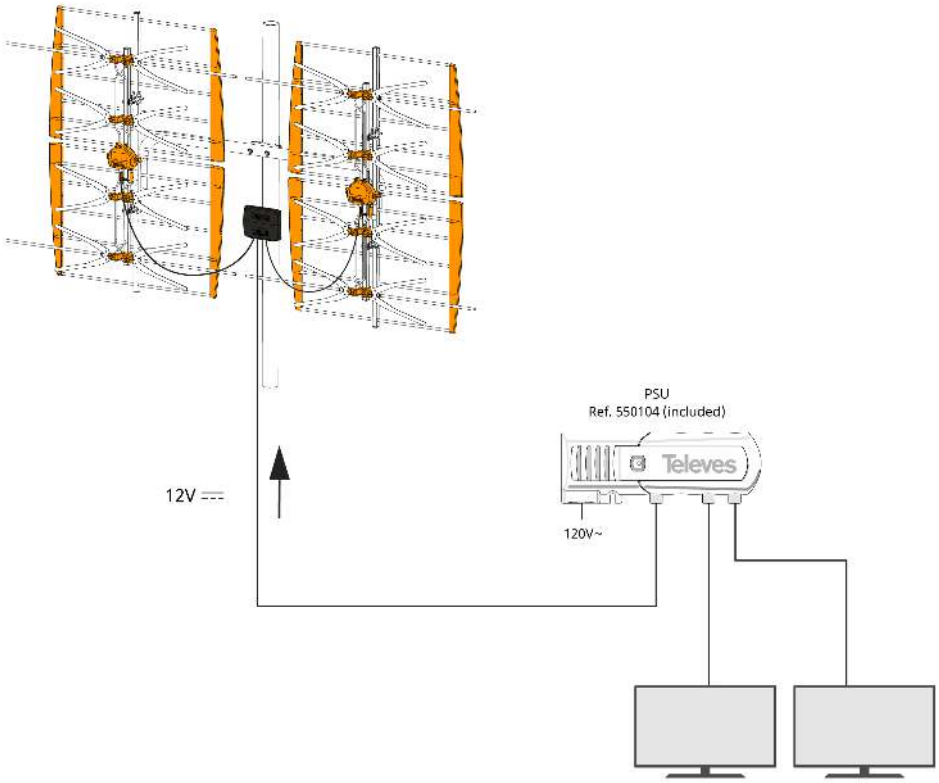
TForce technology:

Televes transitions from the traditional silicon era into a new era of electronic component design, allowing integrated circuits to be precisely manufactured for microwave frequency bands. Utilizing “State of the Art” MMIC technology TForce is manufactured using semiconductor compounds such as gallium arsenide (GaAs), providing the resulting products with unparalleled features and performance

Televes has reinvented the antenna concept. Until now, an antenna was just the reception component of a TV installation in which gain and directivity were the main features. The introduction of a smart device like BOSS provides the antenna with the capacity to receive very weak signals without the risk of being affected by very strong signals, the result is a dynamic balance between weak and strong signals that provides optimum signal levels at all times: the "dynamic range" concept turns out to be the most outstanding among quality parameters.

The creation of TForce with BOSS technology using MMIC components is an extraordinary milestone in the optimization of the dynamic range. The technology that allowed the reception of lost signals from distant satellites is now allowing the enhancement of the coverage range in DTT installations.

Application example


PSU
Ref. 550104 (included)
Televes
12V ⎓
120V~

Technical specifications : Ref. 108381

Bands		HighVHF	UHF
Frequency range	MHz	174 ... 216	470 ... 608
Channels		7 ... 13	14 ... 36
Gain	dBi	36	44
Output level		Auto*1	Auto*2
F/B ratio	dB	> 15	> 20
Powering	Vdc	12	
Max. current	mA	70	
Wind load (@80miles/h)	N	373	
Wind load (@93miles/h)	N	513	

*1 The gain is automatically adjusted according to the level of output.

*2 The gain is automatically adjusted according to the level of output.