



Televés reserves the right to modify the product

Antena Ellipse Mix

High-VHF/UHF (Repack Ready)

Intelligence taken to the limit

Ellipse Mix is an intelligent antenna that adapts automatically and in real time to the conditions in which signals are received. It is designed to offer stable high quality reception of DTT (mixed High-VHF/UHF) signals, and a SAW filter with high selectivity is included to optimize the rejection of cellular LTE band up to channel 36 (Repack Ready).

A new concept of DTT antenna that eliminates any interference even in the limits of the TV band, combining a break-through design in a 100% stainless mechanical frame that houses the new generation of TForce electronics. Enjoy top rated OTA HDTV shows for free and ensure your installation is ready for NextGen TV (ATSC 3.0).

PSU included: intelligence is activated when the antenna is powered.

Ref.148883

Art.Nr

EAN13

8424450230060

Highlights

- Use this antenna to join the "cord-cutting" movement and enjoy top rated HDTV shows for free: abc HD, CSO HD, FOX HD, PBS HD, the CW, Univision HD ...
- The best antenna for range of DTT coverage: It receives the signal in multiple locations, whether the signal is strong or weak. Its long reception range allows to capture signals distributed over 90 miles
- Capable of adapting to ever-changing conditions for signal reception: It is constantly checking the signal and autoadjusting its gain in order to always provide the best output level possible
- VHF and UHF independently controled: Split dual band regulation minimized large signal level differential between both bands
- Eliminate any interference, even in the limits of the TV band: thank to its SAW filter (Surface Acoustic Wave), which performs a great selectivity, interferences are filtered, mainly the telephone LTE ones, respecting the last channel of the band
- Mechanics completely immune to corrosion: Aluminium and fiberglass structure, stainless steel screws and reinforced ZAMAK clamp with an anticorrosive core
- Innovative aerodynamic design: Unsurpassable aesthetics show a meticulous design and passion for details

- Curves enhance reception: the concave surface created by the reflectors focus the signal on the dipole. The convex external side maximize screening and rejection against interferences
- Assembly process: Quick assembly in less than 1 minute and all the installation is carried out with no tools required
- A robust and permanent fastening system that avoids malfunctioning over time

Main features

- Extremely lightweight and compact: it makes installation in challenging locations easier and offers lower wind resistance
- The highest dynamic range: it allows the reception of a quality signal in a variety of situations, detecting very weak signals and avoiding overload with high reception levels
- Optimal C/N: the signal quality is always preserved thanks to a very low noise figure
- Optimal gain: intelligence autoadjusts the gain to the optimal level
- Special double-U dipole: it's open/close format provides optimal frequency response flatness
- A fully shielded switch box protects the BOSS system from impulsive noise; grounded for full protection against electrical discharge
- Low consumption in intelligent mode
- Made in Europe: Manufactured in a fully automated production and verification line that ensures the highest level of performance guarantee

Discover

TForce technology:

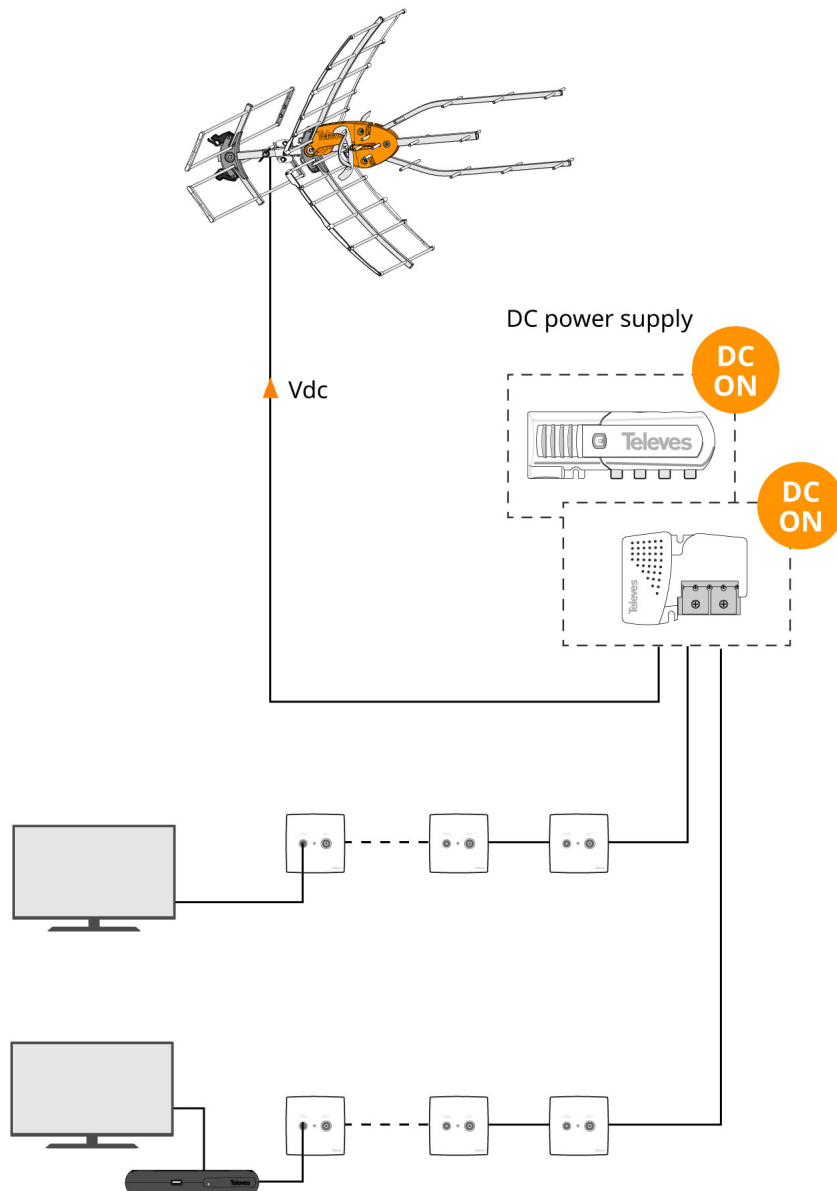
Televes transitions from the traditional silicon era into a new era of electronic component design, allowing integrated circuits to be precisely manufactured for microwave frequency bands. Utilizing "State of the Art" MMIC technology TForce is manufactured using semiconductor compounds such as gallium 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

(Click to see the picture)



Technical specifications

Bands			BIII	UHF
Frequency range	MHz		174 ... 216	470 ... 608
Channels			7 ... 13	14 ... 36
BOSS mode			<input type="checkbox"/> ON	<input type="checkbox"/> ON
Gain	dBi		36.5	40
Output level			Auto* ¹	Auto* ²
Signal level of use			< 75	< 75
Powering	Vdc		12	12
Max. current	mA		70	70
Beamwidth	°		60	40
Wind load (@130Km/h)	N		96	
Wind load (@150Km/h)	N		132	

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

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