DINOVA BOSS MIX antenna (Repack Ready) Building fronts, balconies and single-family homes

Radome enclosed low visual impact antenna, specifically designed for locations where aesthetics play an important role. Ideal for building fronts, historic buildings, protected areas and even single-family homes (balconies). Enjoy top rated OTA HDTV shows for free and ensure your installation is ready for NextGen TV (ATSC 3.0).

It is a 7-element Yagi directional antenna, manufactured using Microstrip technology for UHF and High-VHF printed dipole. It includes also a filter to optimize LTE band rejection up to channel 36 (Repack Ready).
In addition, under difficult reception conditions, High-VHF reception can be improved by extending the telescopic antennas.

The BOSS Tech system automatically controls the level of the received signal (either very high or very low) independently for each band to always provide optimal output level. The new design using TForce technology makes this intelligent device even more versatile.

Provided with a full installation kit consisting of:

- 12V power supply unit (ref. 550104)
- L-type support for wall mounting
- U bolt, bracket, nuts and assembly wrench for support mounting

Ref.	144286
EAN13	8424450240335

Other features	
Colour	White

Packaging info	
Box	1 pcs.
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Pallet	512 pcs.

Physical data	
Net weight	1,660.00 g
Gross volume	9.65 dm³
Gross weight	2,100.00 g
Width	795.00 mm
Height	73.00 mm
Depth	412.00 mm
Main product weight	1,450.00 g

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
- High dynamic range: It allows high-quality TV reception in a wide variety of critical situations, from areas where signals are very weak to installations with high reception levels
- BOSS-Tech devices for each band integrated: the antenna adapts, independently for High-VHF and UHF bands, automatically and dynamically their gain to the signal conditions at the time, ensuring an optimum level of amplification and that the optimum signal is delivered at all times. It also avoids overload when there is interference present or enhanced conditions
- DTT coverage area enhancement, capturing signals distributed over 50 miles
- Very high gain
- A more stable reception: supports signal variations or fading without any impact on the TV installation
- Mounting options for both horizontal and vertical polarizations
- Two operation modes:
    - In intelligent mode (with antenna feeding), BOSS devices provide automatic control to correct signal fluctuations and maintain optimal output signal level
    - In passive mode (without power supply), the signal goes through
- Corrosion Resistant:
    - Clamp support made of Zamak, ensuring superior stability and outdoor elemental resistance
    - Reacting Coating Process (RCP) anti-corrosion treatment on the clamp, provides resilient mounting
    - Highly resistant radome protects against salinity, humidity and other adverse weather conditions (IP 53)
- Low power consumption in intelligent mode
- Easy 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.

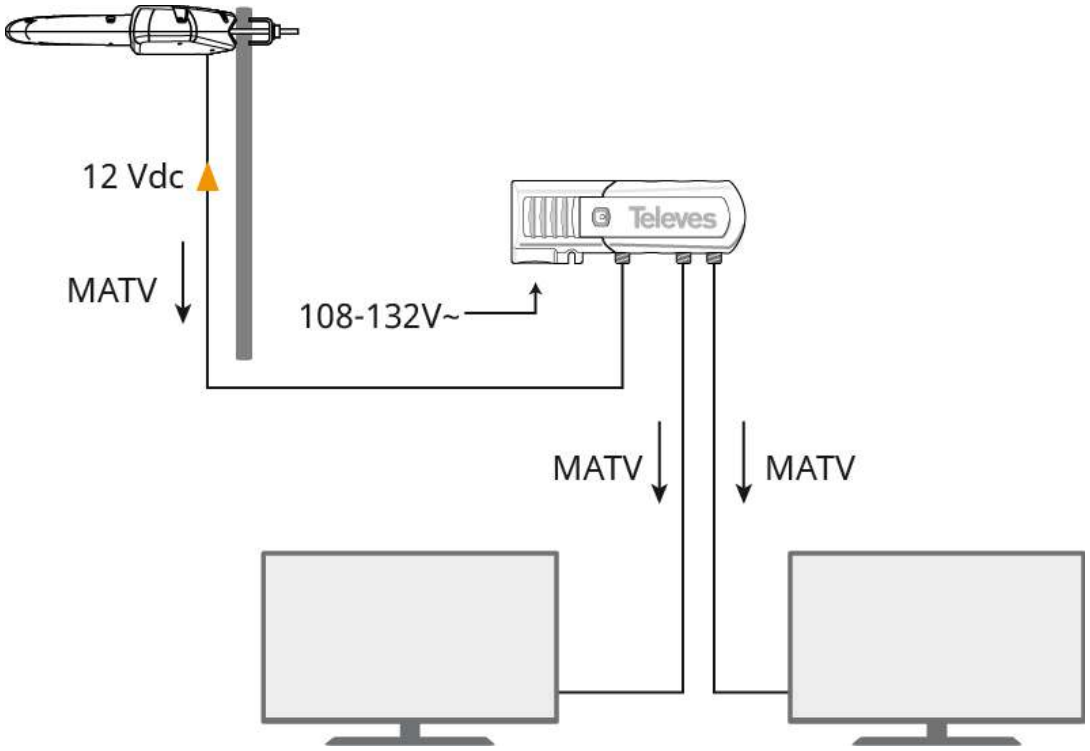
The creation of TForce with BOSS technology using MMIC components is an extraordinary milestone in the optimization of the dynamic range. The technology that allowed the reception of lost signals from distant satellites is now allowing the enhancement of the coverage range in DTT installations.

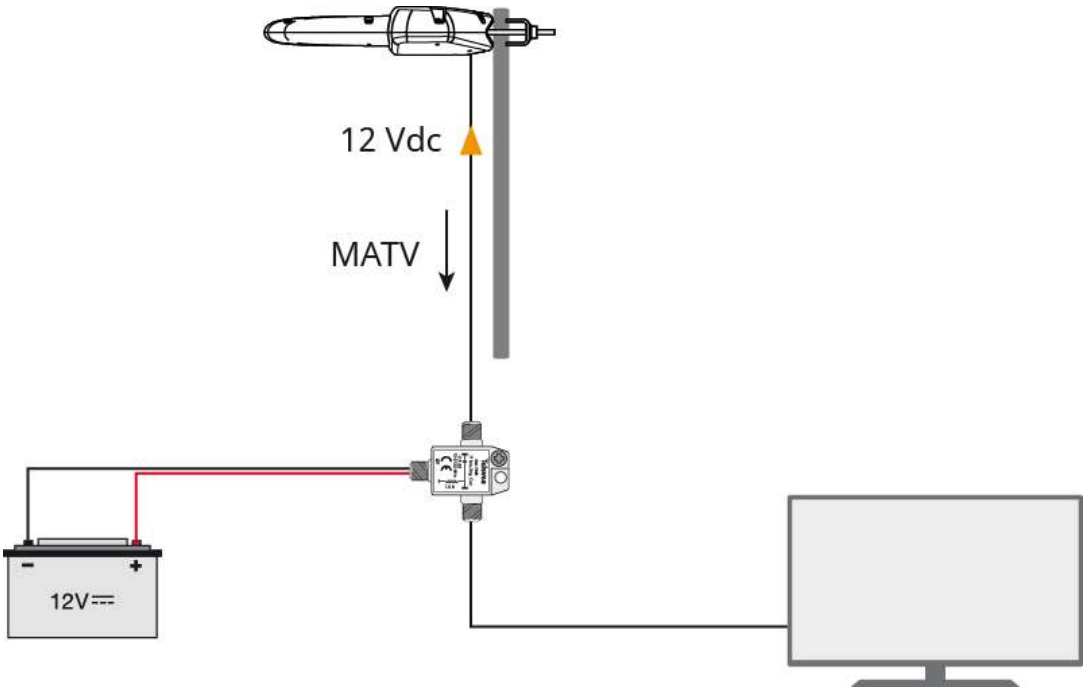
NOVA Series:

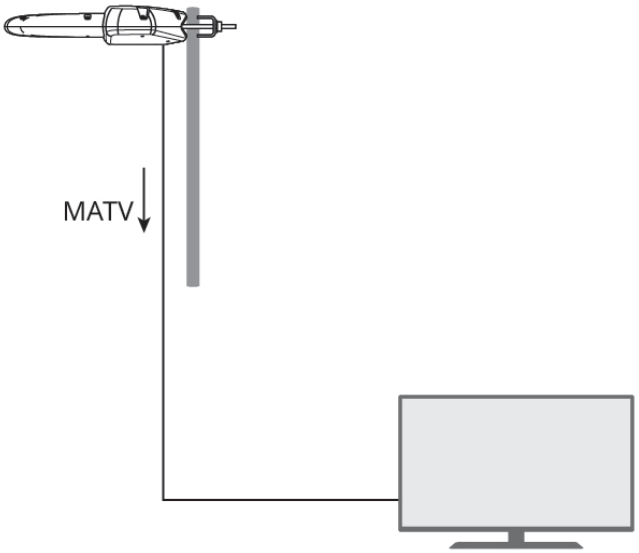
A special antenna series to be installed in restrictive locations.

- Known for their pleasing low-impact visual design and ideal for installations where good aesthetics are key.
- Intelligent antennas include our BOSS system to provide the best output level for a exceptional reception quality.
- LTE ready: they integrate an LTE electronic filter to remove cell phone interference
- Built with materials that are highly resistant to salt air , humidity and other adverse climatic elements, with a protection index of 53.
- Low power consumption and easy mounting. Furthermore, they can be purchased as full kits including all the accessories required for their installation.
- Manufactured in Europe, our products undergo the most stringent quality controls, providing high reliability.

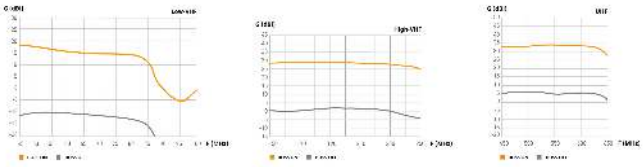
Application example



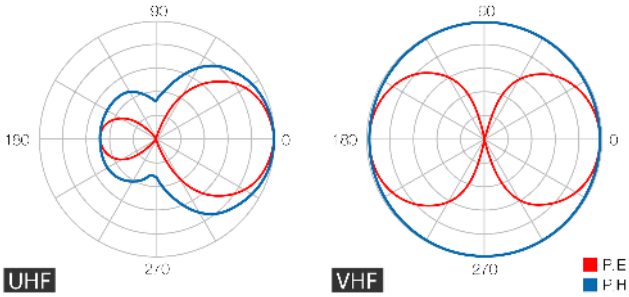




Graphic documentation



Frequency response



Radiation pattern

Televes®

Technical specifications : Ref. 144286

Bands		HighVHF		UHF	
Frequency range	MHz	174 ... 216		470 ... 608	
Channels		7 ... 13		14 ... 36	
BOSS mode		ON	OFF	ON	OFF
Gain	dBi	29	2	34	6
Output level		Auto*[1]	--	Auto*[2]	--
Powering	Vdc	12	0	12	0
Max. current	mA	70	0	70	0
Protection index (IP)		53			
Wind load (@80miles/h)	N	70			
Wind load (@93miles/h)	N	96			
Mast diameter	in	0.787 ... 1.969			

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

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