

DINOVA BOSS MIX antenna (LTE700, 2nd Digital Dividend) 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). It is a 7-element Yagi directional antenna, manufactured using Microstrip technology for UHF and BIII printed dipole. Improved BIII response: Under difficult reception conditions, BIII 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) to always provide optimal output level. The new design using TForce technology makes this intelligent device even more versatile.

RED compliant

Ref.	144223
Logical ref.	DINOVARVUTF2
EAN13	8424450215043

Other features	
Colour	White
Power Supply Unit	Not included
Supply method	Single packing

Packaging info	
Box	1 pcs.

Physical data	
Net weight	1,440.00 g
Gross volume	9.65 dm³
Gross weight	1,440.00 g
Width	412.00 mm
Height	795.00 mm
Depth	105.00 mm
Main product weight	1,440.00 g

Highlights

- Two BOSS devices are included in the antenna so VHF and UHF bands are independently analysed and regulated in order to provide an optimum balanced output signal level
- 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
- DTT coverage area enhancement
- 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
- LTE Ready: designed to optimize LTE band rejection (cell phone interference)through electronic filtering
- Two operation modes:
    - In intelligent mode (with antenna feeding), BOSS provides automatic control to correct signal fluctuations and maintain optimal output signal level
    - In passive mode (without power supply), the signal goes through
- Protected against corrosion:
    - Clamp support reinforced with glass fiber: does not rust, reduces antenna weight and improves material outdoor performance
    - The clamp has a Reacting Coating Process (RCP) based on an anti-corrosion treatment, and provides a robust mounting
    - The radome is highly resistant to salinity, humidity and other adverse weather conditions (IP 53)
- Low power consumption in intelligent mode
- Easy mounting. Furthermore, they can be bought as a kit, including all the accessories required for installation

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.

FIBERGLASS REINFORCED: HOW DOES GLASS FIBRE IMPROVE OUR PRODUCTS?

Plastics reinforced with glass fibre last longer, are anti-magnetic, and provide excellent electric insulation. Here are the main reasons why glass fibre improves our antennas:

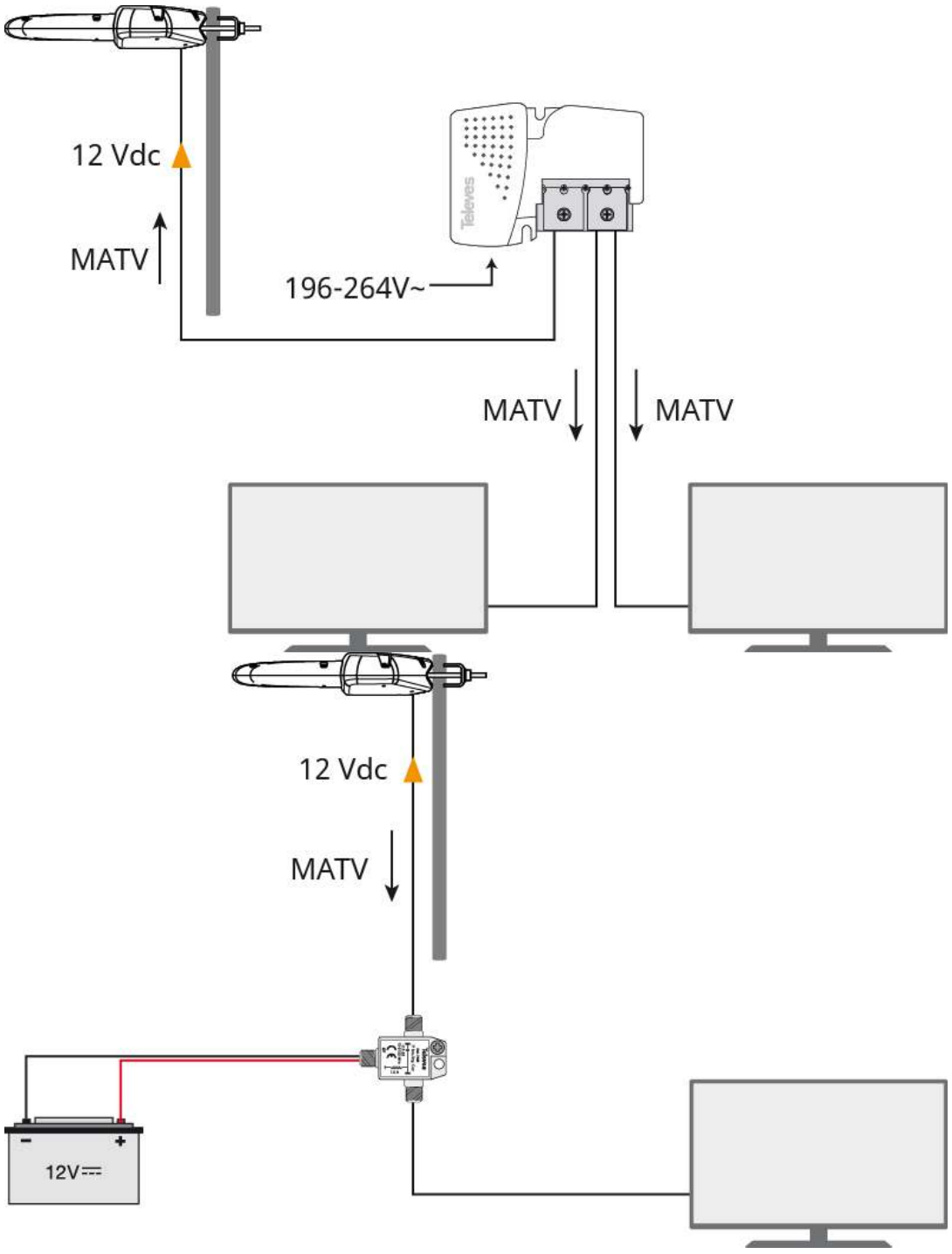
- Immunity to corrosion
- Lightweight, which makes mounting easier
- Flexibility, which improves material performance under adverse weather conditions

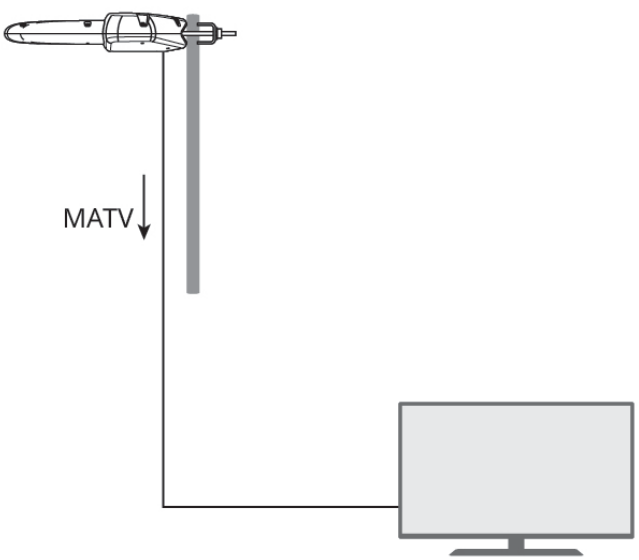
NOVA Series:

A special antenna series to be installed in restrictive locations.

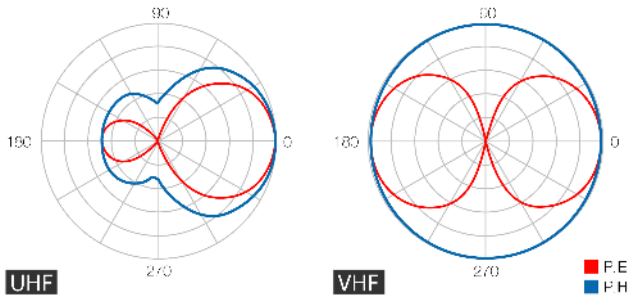
- Known for their pleasing low-impact visual design and ideal for installations where good aesthetics are key.
- Intelligent antennas include our BOSS system to provide the best output level for a exceptional reception quality.
- LTE ready: they integrate an LTE electronic filter to remove cell phone 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


12 Vdc
MATV
196-264V~
MATV
MATV
12 Vdc
MATV
12V



Graphic documentation



Radiation pattern

Technical specifications : Ref. 144223

Bands		HighVHF		UHF	
Frequency range	MHz	174 ... 230		470 ... 694	
Channels		5 ... 12		21 ... 48	
BOSS mode		ON	OFF	ON	OFF
Gain	dBi	27	-1	32	4 ... 7
Output level		Auto*[1]	--	Auto*[2]	--
Noise figure		3	--	2.5	--
Powering	Vdc	--	0	--	0
Max. current		70	--	70	--
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

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