

SMARTNOVA UHF antenna (LTE700, 2nd Digital Dividend), 360º reception for campers or ships

The automatic antenna for campers who choose to enjoy their time

Intelligent antenna with 360º reception of DTT signals in short term stays (campers, ships...) where quick and easy installation is essential. SmartNova offers a double gain of other traditional omnidirectional antennas as it is internally composed of 3 directional sub-antennas arranged at 120º, thus covering a total pointing to the entire horizon.

In addition, this antenna is very resistant to both UV rays and adverse weather conditions due to its protective plastic radome. This element also gives it a nice, discreet and low visual impact design.

SmartNova offers the best signal quality thanks to the intelligence incorporated in the antenna, which processes each DTT channel individually so that they are adjusted and balanced at optimum levels, in addition to achieving high selectivity between them. Programming and adjustment of the antenna is done wirelessly (Bluetooth®) via the ASuite app, using a smartphone. The included autoprogramming function allows channel programming and adjustment to be performed in seconds.

Provided with a full installation kit consisting of:

- 9.5V antenna power supply unit, with Jack connector
- 12V power supply unit for AC power (220-230V~)
- Straight bracket for antenna installation
- 3 F-connectors (ref. 4171xx)
- Screws with assembly wrench for mast mounting

RED compliant

Ref.	144710
Logical ref.	SMARTNOVA

EAN13	8424450306246

Other features	
Colour	White

Packaging info	
Box	1 pcs.

Physical data	
Net weight	1,800.00 g
Gross volume	16.00 dm³
Gross weight	2,222.00 g
Width	320.00 mm
Height	105.00 mm
Depth	290.00 mm
Main product weight	1,135.00 g

Highlights

- **360° omnidirectional reception**: consisting of 3 sub-antennas arranged at 120º, it receives from all directions without the need to be directed
- **Multiply the output level x2**: the use of multiple directive sub-antennas provides superior antenna gain, easily doubling the output signal level, compared to other omni-directional antennas on the market
- **More stable reception**: its smart gain system is able to withstand signal variations or **fading** without affecting the TV installation
- **High selectivity**: its 32 filters balance the channels seamlessly, achieving up to 28dB of selectivity between adjacent channels
- **Automatic configuration in seconds**: the user can launch the 'Autoprogramming' option from his own smartphone, using the **ASuite app** and **Bluetooth®**. The antenna will programme and adjust all channels in a balanced way
- **Battery saving**: Antenna power can be turned off with the ASuite app, eliminating power consumption when not in use. The antenna keeps its configuration when it is switched on again and does not need to be autoconfigured again
- **Protected against 4G/5G**: its anti-LTE filter rejects telephone interference from channel 48 onwards
- **Flexible power supply**: the power supply unit with jack plug can be connected to a conventional mains power supply or to the vehicle battery
- **Robust and discreet design**: its low visual impact radome is completely watertight and weatherproof (IP53), preventing degradation over time

Discover

NOVA Series:

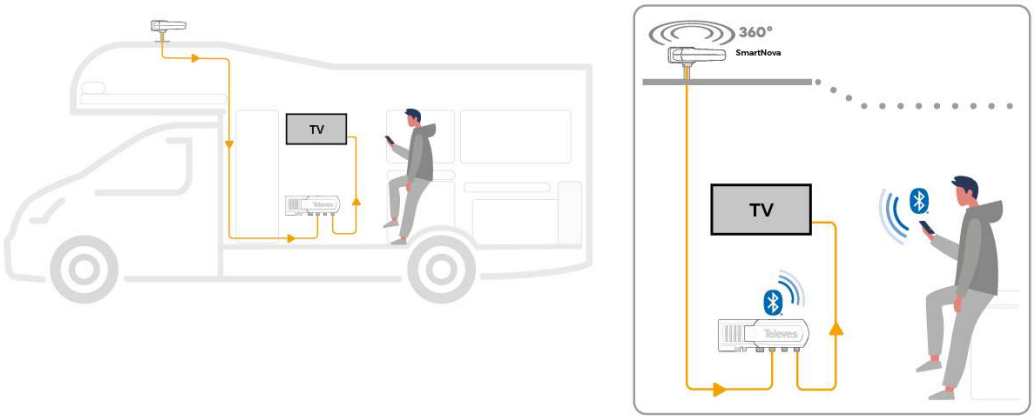
A special antenna series to be installed in restrictive locations.

- Known for their pleasing low-impact visual design and ideal for installations where good aesthetics are key.
- 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.

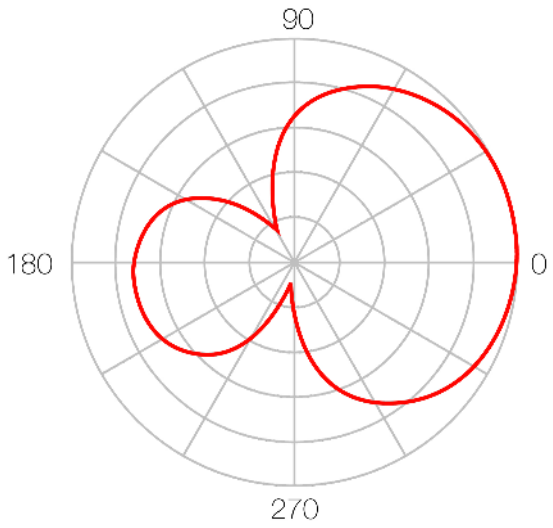
Application example

The ASuite app allows the user to control the SmartNova from their mobile phone via a wireless Bluetooth® connection.

With a single click, the user can launch the autoprogramming functionality, and the antenna's own intelligence scans the received signals, programmes the channels and adjusts their levels to the optimum value at all times.



Graphic documentation



Radiation pattern

Televes®

Technical specifications : Ref. 144710

Bands		UHF
Frequency range	MHz	470 ... 694
Channels		21 ... 48
Gain	dBi	50
Output level		Auto*[1]
Polarisation		Horizontal
Powering	Vdc	9.5
Max. current	mA	600
Protection index (IP)		53
Wind load (@80miles/h)	N	74.88
Wind load (@93miles/h)	N	102.96
Mast diameter	in	1.181
PSU frequency range TV-MIX	MHz	47 ... 862
PSU frequency range SAT-MIX	MHz	950 ... 2150
PSU output voltage	Vdc	9.5
Max PSU output current	mA	600
PSU insertion losses	dB	< 2
PSU input voltage	Vdc	12 ... 24
Max. output power from the PSU	W	6.7
PSU protection index		20
PSU operating temperature	°F	23 ... 113
PSU DC pass through SAT-MIX input	mA	500

*[1] The gain varies automatically depending on the output level.