

# Ellipse®

## INTELLIGENCE TAKEN TO THE LIMIT

IT ELIMINATES ANY INTERFERENCE,  
EVEN IN THE LIMITS OF THE TV BAND



Lucas Vázquez  
Football player for Real Madrid C.F.  
and the Spanish National team

**Televes®**



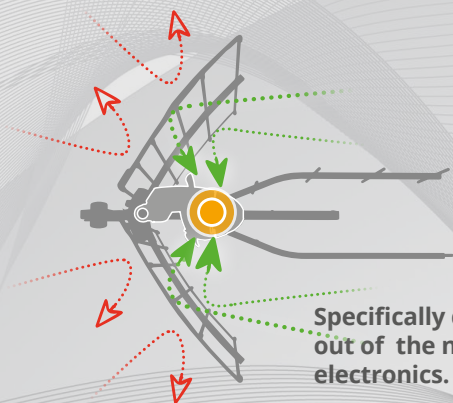
A new concept of DTT antenna that eliminates any interference even in the limits of the TV band, combining a break-through design in a 100% stainless mechanical frame that houses the new generation of TForce electronics, featuring a revolutionary SAW filter.

Ellipse is an intelligent antenna that adapts automatically and in real time to the conditions signals are received. It has been designed to offer a stable and quality reception of DTT (UHF) signals, optimizing the rejection of the LTE band thanks to a SAW filter that offers great selectivity.

You will be captivated by the

## **INNOVATIVE DESIGN,**

with optimal compromise between reception quality and size



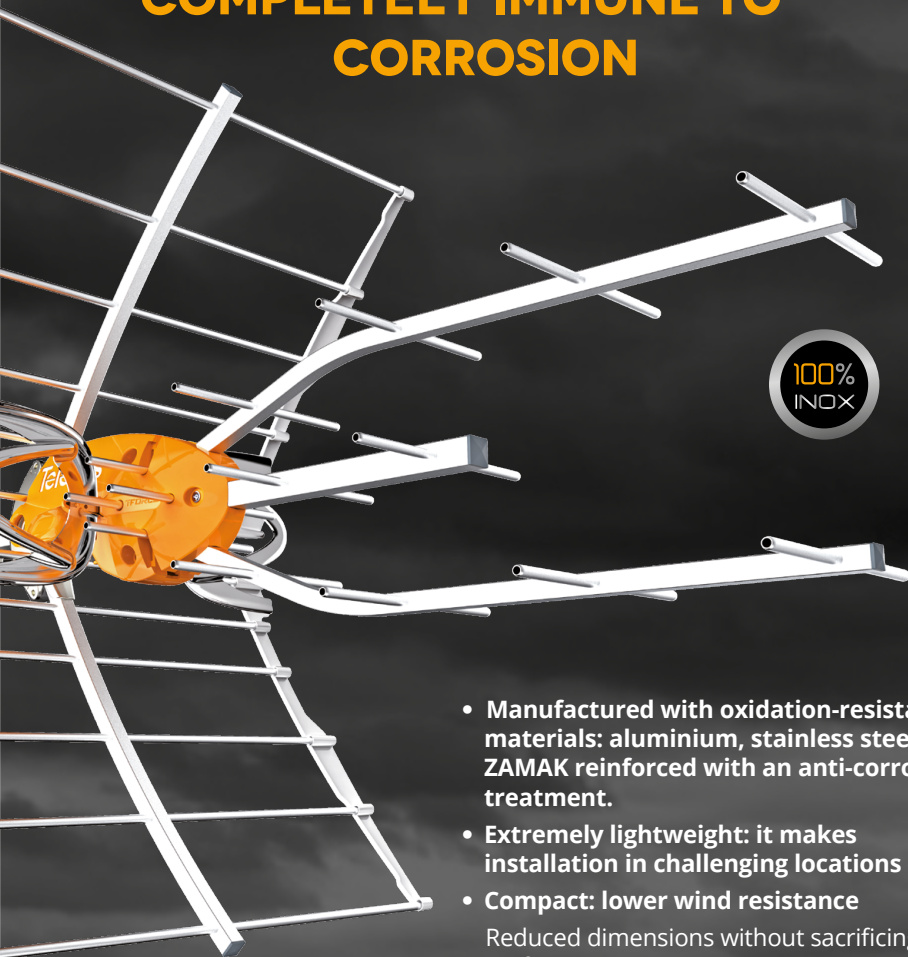
**Specifically designed to get the most out of the new generation of TForce electronics.**

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.**



You will be surprised by the **MECHANICS,**  
**COMPLETELY IMMUNE TO**  
**CORROSION**



- **Manufactured with oxidation-resistant materials:** aluminium, stainless steel, and ZAMAK reinforced with an anti-corrosion treatment.
- **Extremely lightweight:** it makes installation in challenging locations easier.
- **Compact: lower wind resistance**  
Reduced dimensions without sacrificing performance (555 x 685 x 820 mm).

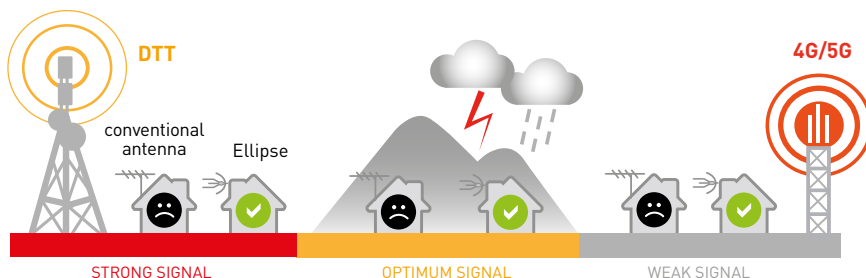
You will be reassured by the

# INTELLIGENT ELECTRONICS,

that secure optimum service rejecting any interference,  
even unexpected

**Ellipse is hands down the best antenna for range of DTT coverage, capable of adapting to ever-changing conditions for signal reception. Never worry again about external factors such as:**

- Distance to the transmitter (either too close or too far)
- Adverse terrain or weather conditions
- Current and future LTE interferences



This is possible because our successful BOSSTech system has been re-engineered into our new generation of TForce electronics. Exclusive technology that provides functionality that is hard to match:

**T·FORCE®**

- **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:** the best possible output level automatically, every time.
- **The high-rejection SAW filter (Surface Acoustic Wave):** it suppresses interferences even in the limits of the TV band.

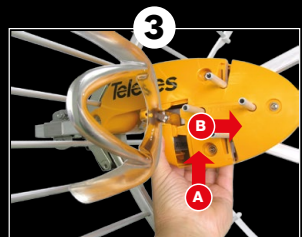
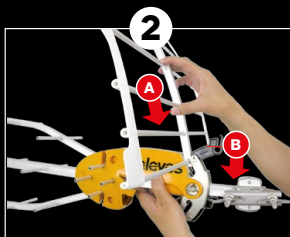
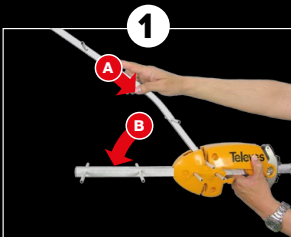
*PSU included: intelligence is activated when the antenna is powered.*

# You will be satisfied with **MANUFACTURING QUALITY** produced in state-of-the-art facilities

Manufactured in a fully automated production and verification line that ensures the highest level of performance guarantee

## You will experience the benefits of an seamless **ASSEMBLY PROCESS** in just 3 easy steps

- Quick assembly in less than 30 seconds
- No tools required
- A robust and permanent fastening system





## SPECIFICATIONS

		14892x	14890x
WORKING BAND	MHz	470 - 698 (CH21 - CH48)	470 - 790 (CH21 - CH60)
MODE		INTELLIGENT (BOSS ON)	
GAIN	dBi	38 ±2	
OUTPUT LEVEL		Auto	
NOISE FIGURE	dB	2,5 (typ)	
SIGNAL LEVEL OF USE (RECOMMENDED)	dBμV	< 75	
POWERING VOLTAGE	V	12-24	
CONSUMPTION	mA	40 (max)	
BEAMWIDTH	°	30	
F/B RATIO	dB	>20	
WIND LOAD	N	96 (@ 130 Km/h) 132 (@ 150 Km/h)	

[ellipse.televes.com](http://ellipse.televes.com)

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