

# OMNINOVA BOSS

TFORCE TECHNOLOGY ANTENNA  
(REF. 144442 & 144422)



## OMNIDIRECTIONAL INTELLIGENT ANTENNA THAT DOES NOT REQUIRE POINTING

- Intelligent BOSS system, upgraded with TForce technology
- Versatile and easy mounting
- Weather resistant
- Compact and pleasing design



BOSS TECH



ULTRA HD 4K



360° RECEPTION



STABLE SIGNAL

### DESCRIPTION

The OMNINOVA BOSS antenna has a 360° reception capability (omnidirectional), therefore, there is no need to point again the antenna when changing location. It is thus perfect for DTT reception in moving facilities (ships, campers...) for short stays.

The plastic radome make it resistant to UV radiation and adverse weather conditions. Furthermore, it stands out for a pleasant, unobtrusive, low visual impact design.

### DISCOVER TFORCE TECHNOLOGY:

Televes has redefined the antenna concept. Until now, an antenna was just the reception component of a TV installation, which main features were gain and directivity. The introduction of an intelligent device like BOSS provides the antennas in this range with the capacity to receive very weak signals without the risk of being affected by very strong signals, and preventing fluctuations to affect the result: the **dynamic range** concept turns out to be the most outstanding among quality parameters.

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

### MAIN FEATURES

The BOSSTech 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:



#### ■ 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.

REF.	DESCRIPTION	EAN 13
 144442	KIT: OMNINOVA BOSS BI/FM/B3/U G25dBi	8424450191064
 144422	KIT: OMNINOVA BOSS BI/FM/BIII/UHF G25dBi	8424450191071

Watch TForce video:  
[en.televes.com/tforce](http://en.televes.com/tforce)

## OMNIDIRECTIONAL INTELLIGENT ANTENNA THAT DOES NOT REQUIRE POINTING



### HIGHLIGHTS

#### ■ Robust versatile structure:

Weather resistant: The radome is highly resistant to salinity, humidity and other adverse weather conditions (IP 53).

The base has a tube compatible with masts up to 30mm diameter.

The base was designed to protect and hide the coaxial cable inside the mast or the bracket.

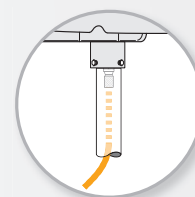
#### ■ 360° reception for multiple bands:

Pointing is not required: BI, FM, BIII, and UHF.

#### ■ Low power consumption in intelligent mode.

#### ■ LTE Ready:

Designed to optimize LTE band rejection (cell phone interference) through electronic filtering. Multiple versions compliant with the 1st (LTE790) or 2nd (LTE700) Digital Dividend.



### OTHER FEATURES

#### ■ 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.

#### ■ Quick and easy mounting.

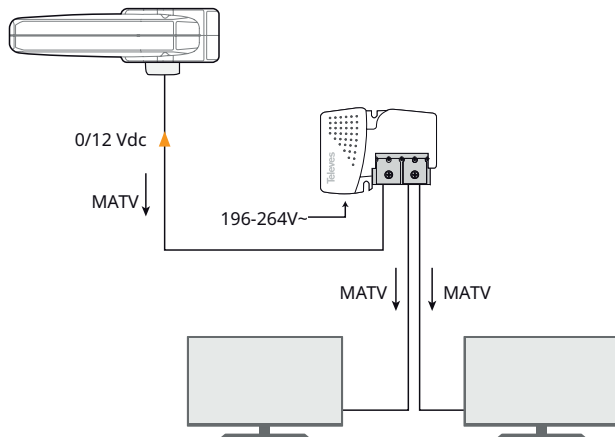
Furthermore, they can be bought as a kit, including all the accessories required for installation.

## OMNINOVA BOSS ANTENNA WITH TFORCE TECHNOLOGY

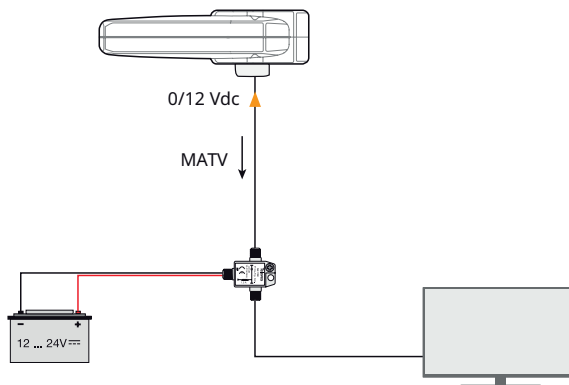
## APPLICATION EXAMPLES

## INTELLIGENT MODE

With a power supply unit

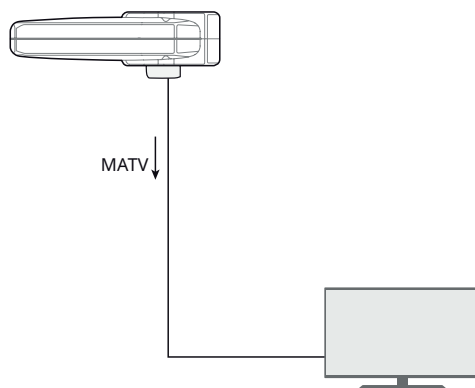


With a current injector



## PASSIVE MODE

Without power supply



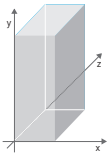
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## OMNINOVA BOSS

TECHNICAL SPECIFICATIONS

References		LTE790	144442							
		LTE700	144422							
Working band			BI		FM		BIII		UHF	
Frequency range	MHz	LTE790	54 - 88		88 - 108		174 - 230		470 - 790	
		LTE700	54 - 88		88 - 108		174 - 230		470 - 694	
Polarisation		Horizontal								
BOSS Mode			OFF	ON	OFF	ON	OFF	ON	OFF	ON
Maximum gain	dBi		-10	17*	-4	16*	-3	25*	-4	25*
Output level	dBµV		----	Auto*	----	Auto*	----	Auto*	----	Auto*
Powering	V---		----	12-24	----	12-24	----	12-24	----	12-24
Maximum current	mA		----	95	----	95	----	95	----	95
Protection index	IP		53							
Wind load	N		74,88 (@ 130 km/h) 102,96 (@ 150 km/h)							
Weight	g		1200							
Dimensions (xyz)	mm		290 x 107 x 320							

\* Gain varies automatically based on the output level.



PACKAGE CONTENTS

■ Anntena	
■ "F" connector	
■ Power supply unit (Ref. 579401)	
■ Current injector (Ref. 7450)	
■ Straight bracket	
■ 3 screws and 3mm Allen key	
■ User manual	