

## General specifications

- ◆ Omni-directional antenna that can receive television with stable images, regardless of movement of the antenna.

The antenna incorporates the **BOSS-Tech** innovative system which adjusts at all times and once activated, the output signal of the antenna so that its level is the adequate one regardless of the signal variations due to movement of the antenna or through areas of little coverage.

- ◆ Maximum optimization of the gain of the amplifier:
  - By the selective amplification of the frequency bands (FM, BI, BIII, UHF).
  - Incorporating filters that reject signals from other frequency bands, and especially marine telecommunications bands.
- ◆ Allows reception of AM radio signals.
- ◆ Is protected against lightning.
- ◆ UHF amplifier with BOSS-Tech technology, which regulates every time the output level of the antenna.
- ◆ Watertight.
- ◆ Complete kit includes everything needed for installation:
  - Network adapter.
  - Cigarette Lighter Adapter.
  - IEC type shielded connector.
  - F type connector
  - Control module of the antenna.

- Extender male / female of 1.5 m for connecting the control module to the TV.
- Straight support .
- Angled support .

## Location of the antenna

For mounting in vehicles, choose a location away from electrical cables, motors, lighting systems and electronic instruments (Fig. 1).

Generally, the most suitable location is near the front of the vehicle, at the top.

For mounting on boats, the premise is to place the antenna as high as possible, and as far away as they can from other antennas and metallic parts of the boat/ship.

## Orientation

The antenna is omnidirectional, so it need not be oriented for proper operation. However, we recommend that is oriented in the opposite direction of the march of the vehicle so that the antenna provides the minimum wind resistance (Fig. 2).

## Location of the control module of the antenna

Choose an accessible location inside the cockpit where to place this module so that it is protected from heat, moisture, ... and so on., ensuring that the cable length from the antenna to the control

**DWZ144401**



module is not excessive. Also, should not be made to the cable kinks or bites (Fig. 3).

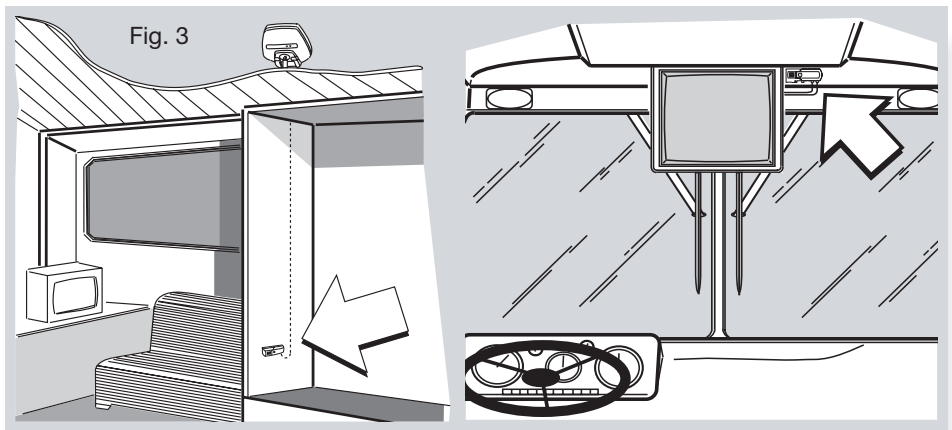
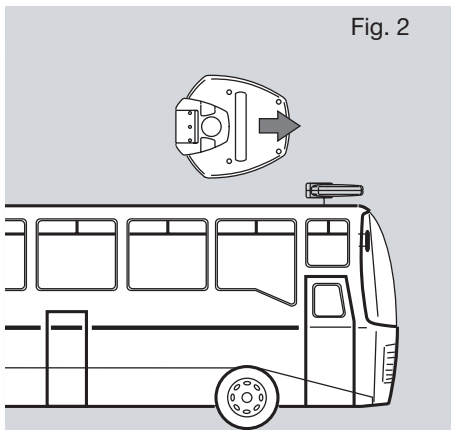
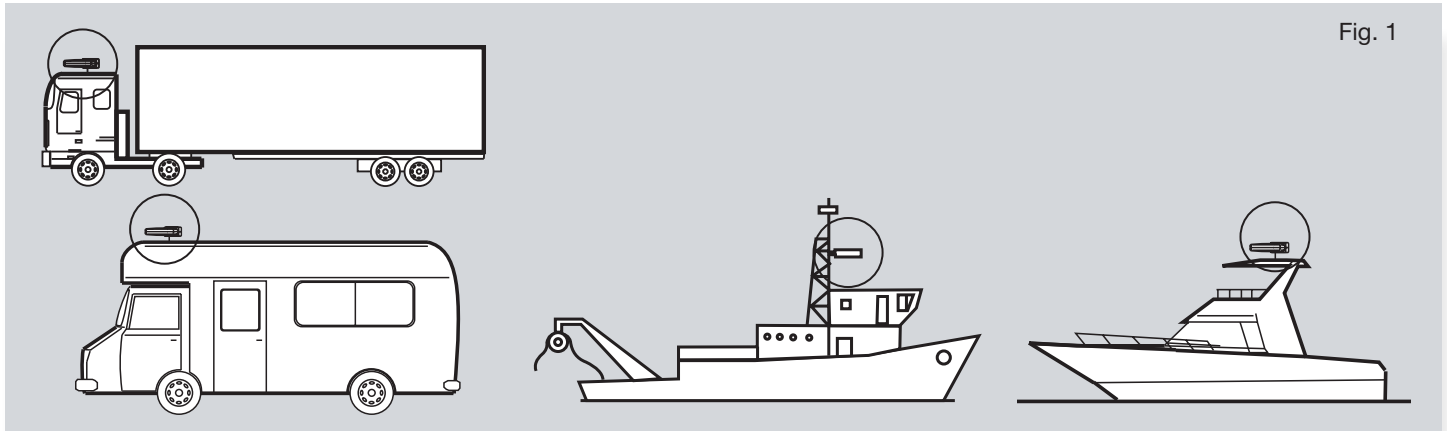
## Compatible accessories

Its mounting system is compatible with most media that have a tube-shaped base with a maximum outer diameter of 25 mm (Fig. 4). The system output cable, inside the tube, protects the antenna main connection optimally, both to the inclement weather as to beatings and aggression.

## Installation diagram



Follow the diagram in Figure 5 for installation.

Make sure the power is correct, either through the network adapter or via the cigarette lighter adapter for battery power: 11 ... 16 V===.



## Características técnicas / Características técnicas / Caractéristiques techniques / Technical specifications / Caratteristiche tecniche / Technische Daten

Antenne	Antenna	Antena	Antenne	Antena	Antenna				
Polarisation	Polarizzazione	Polarização	Polarisation	Polarización	Polarisation		dBi	Horizontal	
État d'antenne	Estado della antenna	Estado de la antena	Betriebsart	Estado de la antena	Antenna state		dB	BOSS-Tech ON	BOSS-Tech OFF
Gain	Guadagno	Ganho	Verstärkung	Ganancia	Gain	AM	dB	-1	
						BI		30	-2
						FM		20	-3
						BIII		28	-3
						UHF		30	-2
Indice de protection	Indice di protezione	Índice Protecção	Schutzklasse	Indice Protección	Protection Index		IP	53	
Module contrôle d'antenne	Modulo controllo della antenna	Modulo controlo de antena	Steuermodul	Modulo control de antena	Antenna control module				
Tension de entrée	Tensione di ingresso	Tensão de entrada	Eingangsspannung	Tensión de entrada	Input voltage		Vdc	11...16	
Courant de entrée maximum	Corrente maxima di ingresso	Corrente maxima de entrada	Max. Eingang-strom	Corriente máxima de entrada	Maximum input current		mA	130	
Tension de sortie	Tensione alimentazione	Tensão de saída	Ausgangsspannung	Tensión de salida	Output voltage		Vdc	10 (ON)	8 (OFF)
Courant de sortie maximum	Corrente maxima di uscita	Corrente maxima de saída	Max. Ausgang-strom	Corriente máxima de salida	Maximum output current		mA	100	
Pertes de passage	Perdite di passaggio	Perdas de inserção	Einfügungs-dämpfung	Pérdidas de inserción	Insertion losses		dB	1,5 typ.	
Max. temperature de fonctionnement	Temperatura di funzionamento max.	Máx Tª. de funcionamiento	Max. Betriebs-temperatur	Máx. Tª. de funcionamiento	Max. operating temperature		°C	45	
Indice de protection	Indice di protezione	Índice Protecção	Schutzklasse	Indice Protección	Protection index		IP	20	

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<b>Reference / Referencia / Referência / Référence / Articolo / Artikelnummer / Δήλωση / Referens / Referenz:</b>	<b>144401</b>
<b>Description / Descripción / Descrição / Description / Descrizione / Beschreibung / Περιγραφή / Beskrivning / Kuvaus:</b>	<b>Antenna omninova Boss</b>
<b>Trademark / Marca / Marca / Marque / Marchio / Handelsmarke / Märke / Varumärke / Tavaramerkki:</b>	<b>Televes</b>
<p><b>With the requirements of / Con los requerimientos de / Com as especificações de / Avec les conditions de / Con i requisiti di / Die Voraussetzungen erfüllen / Με τις απαιτήσεις του / Enligt följande bestämmelser / Seuraavien määräysten:</b></p> <ul style="list-style-type: none"> <li>• Low Voltage Directive 2006 / 95 / EC.</li> <li>• EMC Directive 2004 / 108 / EC.</li> </ul>	
<p><b>Following standards / Con las normas / Com as normas / Selon les normes / Con le norme / Folgende Anforderung / Ακόλουθα πρότυπα / Följande standard / Seuraavien standardien:</b></p> <p>EN 60728-11: 2005: Cable networks for television signals, sound signals and interactive services - Part 11: Safety.                  EN 50083-2: 2006: Cable networks for television signals, sound signals and interactive services - Part 2: Electromagnetic compatibility for equipment</p>	
<p>Santiago de Compostela, 12/7/2010</p> <div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;">  <p><b>José L. Fernández Carnero</b> Technical Director</p> </div> </div>	