

# Installation Instructions

## MA2330 Series

### 3-in-1 Adhesive Mount Combination Antenna



#### A Introduction

The Taoglas MA2330 is a combination antenna designed for mounting inside the headliner of a vehicle. The MA2330 can accommodate combinations of up to 3 antennas in one sleek housing. This antenna is mounted via adhesive, meaning drilling a hole is not required when installing this antenna.



##### Electrical Safety

The MA2330 contains an active GNSS and AM/FM/DAB antenna.

**The supply to this device must be provided with over-current protection of 1A maximum.**

**The Input Voltages are as follows:**

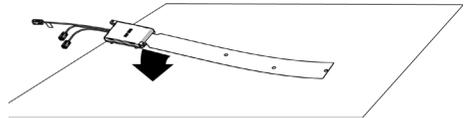
**GNSS: 3.5-5V**

**AM/FM: 10-16V**



#### B Mounting & Location

The MA2330 is designed to be mounted inside the headliner of a vehicle but can also be mounted in other areas of the vehicle, such as the dashboard, the cab and even the windscreen due to the flexibility of the metalized PET film liner.



#### C Installation of the Antenna

The antenna comes with 3M adhesive already attached. To install the antenna, clean the surface that the antenna will be adhered to. Remove the liner from the adhesive tape from the base of the antenna and then firmly press the film onto the mounting surface, taking care to avoid any trapped air.



##### Mounting

Please take care when mounting to ensure the antenna is at least 50mm above metal and at least 25mm away (edge to edge) from metal structures

#### D Routing and Connection of the Cables

The Cables supplied are RG-174 for all 3 feeds. A power cable, coloured red, is also supplied for powering the AM/FM and DAB. The cables are denoted by labels for ease of installation. Connect each individual connector to the correct port on your device. If any cable is unused, please fit a 50Ω terminator to the individual connection.

#### E Notices



##### Caution

To comply with FCC RF Exposure requirements in section 1.1310 of the FCC Rules, antennas used with this device must be installed to provide a separation distance of at least 20 cm from all persons to satisfy RF exposure compliance.



##### Warning

**Do not** operate the transmitter when someone is within 20 cm of the antenna.

**Do not** operate the equipment in an explosive atmosphere



##### European Waste Electronic Equipment Directive 2002/96/EC

Please ensure that your old Waste Electricals and Electronics are recycled do not throw them away into standard waste.

**Waiver:** This document represents information compiled by Taoglas to the best of our current knowledge. This is not intended to be used as a representation or warranty of fitness of the products described for any particular purpose. This document details guidelines for general information purposes only. When planning installations, always seek specialist advice and ensure that the products are always installed by a properly qualified installer in accordance with applicable regional laws and regulations.

