



Installation Instructions

HM Series
SW3-668 - v1.2

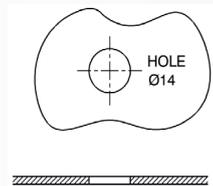
1. Introduction

The HM series is a range of ground plane independent panel mount antennas that can be installed on metallic or non-metallic panels of up to 6mm (0.24") thickness. This makes it ideal for installation on motorcycles, boats and other vehicles with non-metallic panels.

2. Mounting Requirements and Selecting Location

The antenna must be fitted on a flat horizontal area of the mounting panel. Select a location to ensure that there is adequate under panel clearance and that there is no double skin panel or cross brace present. If possible, the antenna should be mounted 30cms (12") away from other structures on the mounting panel. Measure to check for central position if applicable.

3. Prepare and Make Hole



Mask the panel area around the proposed hole position to protect the paintwork. Drill a pilot hole, then increase the hole size to 14mm (0.55"). Where applicable, ensure that the drill/cutter bit does not contact the roof headliner. Clean the area around the hole, carefully removing any burrs and all swarf/cuttings.

If fitting to a metal panel apply some petroleum jelly or paint around the hole to prevent corrosion.

4. Fitting the Antenna

Remove the protective backing from the underside of the antenna base and feed the coaxial cable through the panel. Position the antenna over the hole and stick the antenna to panel by applying firm downward pressure. Assemble the nut and washer from the underside and tighten.

5. Routing and Terminating the Coaxial Cable

Route the coaxial cable to the equipment, taking care to avoid running the cable adjacent to any vehicle wiring or fouling any moving vehicle component. **The cable must not be routed in front of any airbag device.** Fit the correct coaxial connector or adaptor to the cable as required.

6. Commission and Test

- The connector body to the connector centre pin should measure open circuit.
- Note: The mount is insulated - there is no d.c. connection from connector body to mounting panel.
- Carry out a VSWR check, the VSWR should measure as detailed on the relevant datasheet.

7. Notices



Waste electrical products should not be disposed of with household waste. All electronic products with the WEEE logo must be collected and sent to approved operators for safe disposal or recycling. Please recycle where facilities exist. Many electrical/electronic equipment retailers facilitate "Distributor Take-Back scheme" for household WEEE. Check with your Local Authority or electronic retailers for designated collection facilities where WEEE can be disposed of for free.



RF Safety Note

This antenna should be mounted in such a way that no person is within 20cm (8") of the antenna during use.

Waiver: This document represents information compiled to the best of our present knowledge. It is not intended to be a representation or warranty of fitness of the products described for any particular purpose. This document details guidelines for general information purposes only. Always seek specialist advice when planning installations and ensure that antennas are always installed by a properly qualified installer in compliance with local laws and regulations.