

Panorama glassmount antennas feature the latest technology to provide maximum efficiency and performance and are available for a range of wireless applications.



1 INTRODUCTION

This is a general installation instruction and should be used in conjunction with the vehicle manufacturers' guidelines for antenna installation where applicable.

NB this product is supplied as a kit and parts should not be interchanged with other types of glassmount antenna.

2 PREPARATION - MOUNTING POSITION

The optimum position is at the centre of the front or rear window as near to the top of the glass as possible; an alternative mounting position is a side window. When selecting a mounting position, full consideration must be given to the following requirements:

- The mounting must be clear of the sweep of any wiper blades by at least 6mm; the driver's vision must not be obscured; and the operation of the vehicle must not be impeded in any way.
- Wherever possible, the whip should be at least 33cm from any other external antenna and the edges of the antenna's mounting foot should be at least 6mm from the top or side of the window.
- The mounting foot must not be centred directly over any demisting or car radio antenna wire. Fitting the antenna on glass with close mesh demister wires (typically heated front screens) and tinted coatings which contain metal or metal oxides must be avoided. If an alternative position cannot be found a hole-mount antenna should be installed instead.
- The coupling box must be positioned with the cable exiting to the side (either left or right).
- When installed the whip must be in a vertical position, to protrude as much above the roof line as possible.
- The adhesive pads cannot be reused once they have been stuck to the glass. It is therefore very important to determine the correct position for the antenna before installing it.

3 PREPARATION - GLASS SURFACE

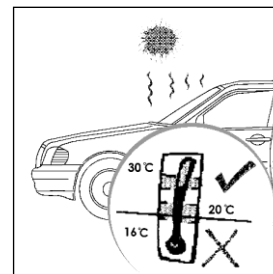
The surface of the glass must be thoroughly degreased by cleaning it with the alcohol swab provided. Do not touch or contaminate the surface after it has been cleaned.



4 PREPARATION - TEMPERATURE

The bonding time of the adhesive is related to its temperature. The strongest bond in the shortest time will be achieved if all the surfaces to be joined are between 20°C and 30°C.

If conditions below 16°C cannot be avoided, both the glass and the antenna components (coupling box and foot) should be warmed before installation.



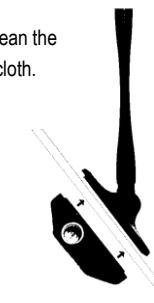
5 MOUNTING THE ANTENNA FOOT

- Using the Alcohol Swab, thoroughly clean the glass and wipe it dry using a clean dry cloth. (Keep the swab for step 6.)
- Remove the protective paper.
- Hold the assembly just clear of the glass in the chosen position and check that this is correct before firmly pressing the pad to the glass. The pad will stick immediately on contact and cannot be repositioned.
- Hold the foot assembly firmly and, with the whip in a vertical position tighten the hinge screw.
- **Applying the silicone sealant** (where supplied): A thin bead of silicone should be applied into the gap around the edge of the antenna foot - this provides a waterproof seal and also makes up for any glass curvature at the foot edge.



6 MOUNTING THE COUPLING BOX

- Using the Alcohol Swab, thoroughly clean the glass and wipe it dry with a clean dry cloth.
- Remove the protective paper.
- Hold the box just clear of the glass in the chosen position and check that this is correct before pressing it firmly onto the glass. The pad will stick immediately on contact and cannot be repositioned.



7 ROUTING THE CABLE

The cable should be routed behind interior trim to the car kit or radio. **The cable must not be routed in front of any airbag device or interfere with any vehicle controls.**

Ensure that the cable is not damaged whilst re-fitting any trim..

8 TEST AND COMMISSION

This product has been factory tuned and tested to ensure it conforms to specification and does not require any on-site tuning. VHF versions may be fitted with a tuning screw which requires only a small movement to adjust if required..

The completed antenna installation should be tested using a suitable analyser or VSWR meter.

9 CARE AND MAINTENANCE

- The whip should be removed when using a car wash or when entering areas with low headroom clearance.
- The antenna does not require any maintenance under normal operating conditions.

10 REMOVAL AND RE-INSTALLATION

- The antenna can be removed by carefully inserting a flexible blade between the component and the glass and easing it off.
- To re-install, obtain a re-installation kit which contains all the necessary parts.
- The foot cover is ready assembled and should be installed as in step 5 above.
- To re-install the coupling box remove all trace of the existing adhesive pad and clean the surface. Apply the new adhesive pad and fit as per step 6.

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