Glass Mount Antenna

UHF 477 MHz Glass Mount CB Antenna

AE5002



INSTRUCTION MANUAL

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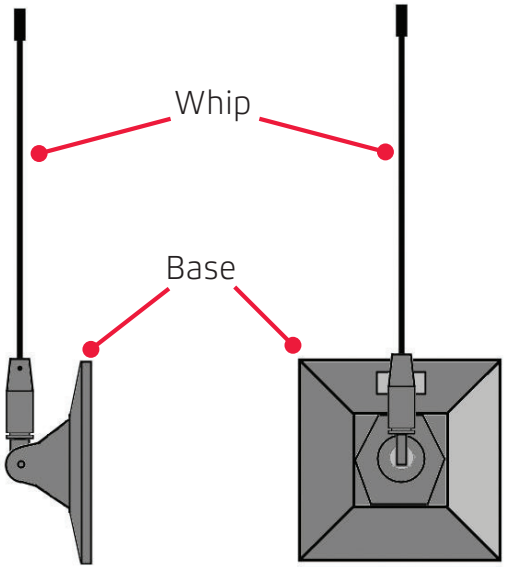
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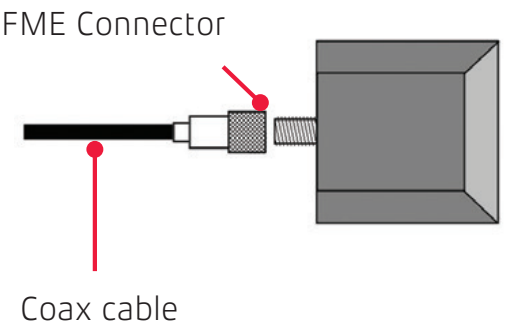
PARTS SUPPLIED

- Whip antenna
- Coupling box
- RG58 coaxial cable with FME connectors
- Window cleaner
- FME to PL-259 adapter
- Allen key

Antenna Base and Whip



Antenna Coupling Box

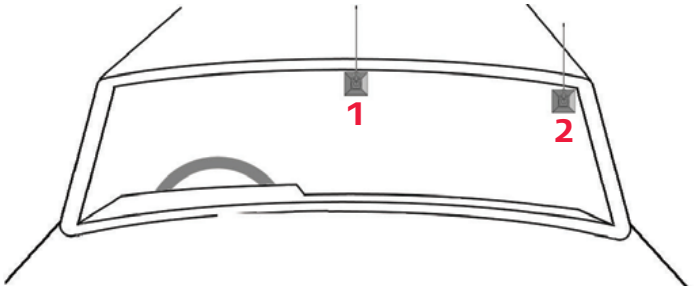


INSTALLATION

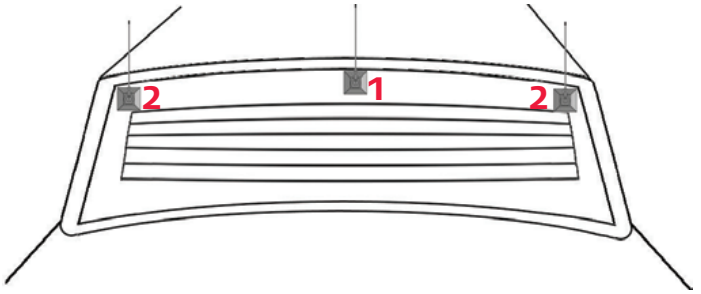
The mounting location must be selected carefully as the wrong position can affect the performance.

The optimum mounting position is the top centre of the rear or front window (1). Alternately the top left/right of the window (2) or a side 'fixed' window may also be used. The antenna should be mounted vertically with as much of the whip as possible above the line of the roof.

Front Window



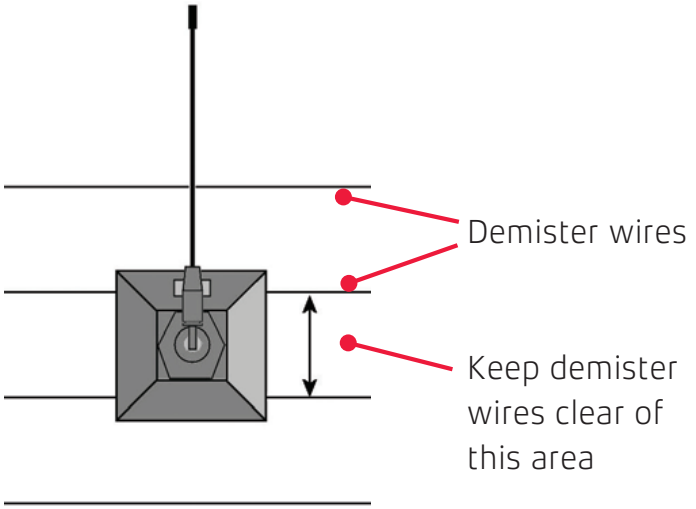
Rear Window



When choosing a location, please note the following points:

- Select an area that is free from antennas or heater wires that are embedded in the glass.
- Ensure that the coaxial cable is able to reach from the coupling box assembly to your radio.
- The antenna should be mounted at least 14cm from adjacent metal objects and be free to radiate without obstruction.
- If mounting to the front windscreen ensure the selected location will not impede the operation of the windscreen wipers.
- Do not mount the antenna where it will obstruct the driver's view.
- Avoid glass surfaces that are excessively curved.
- After cleaning the glass and before applying the mounting tape, ensure the surface of the glass is dry and free of moisture or condensation.

Note: The front windscreens on some European cars may contain heater elements for defrosting the windscreen. If in doubt please refer to your car's handbook or check with the manufacturer.



The ideal temperature range for applying the adhesive tape is 20°C to 40°C. Warmer temperatures will result in faster adhesion times. After installation, allow the adhesive to cure for 24 hours before attaching the whip. If temperatures are below 15°C allow the adhesive to cure for up to 48 hours.

Caution: Take extra care to position the antenna and coupler in their exact positions before pressing them onto the glass. The adhesive will form an instant bond as soon as it comes into contact with the glass and cannot be removed without replacing the adhesive tape.

INSTALLING THE COUPLER

We recommend installing the Antenna Coupler to the inside of the window first as the position of the vehicles roof lining against the inside of the window may affect the final position of the antenna.

IMPORTANT: After-market window tinting often contains metals that can reduce the performance of your antenna. If mounting the AE5002 on a rear window that has been tinted it is recommended that a small 40mm x 40mm section of the tint film be removed at the mounting location to accommodate the coupling of the signal through the glass.

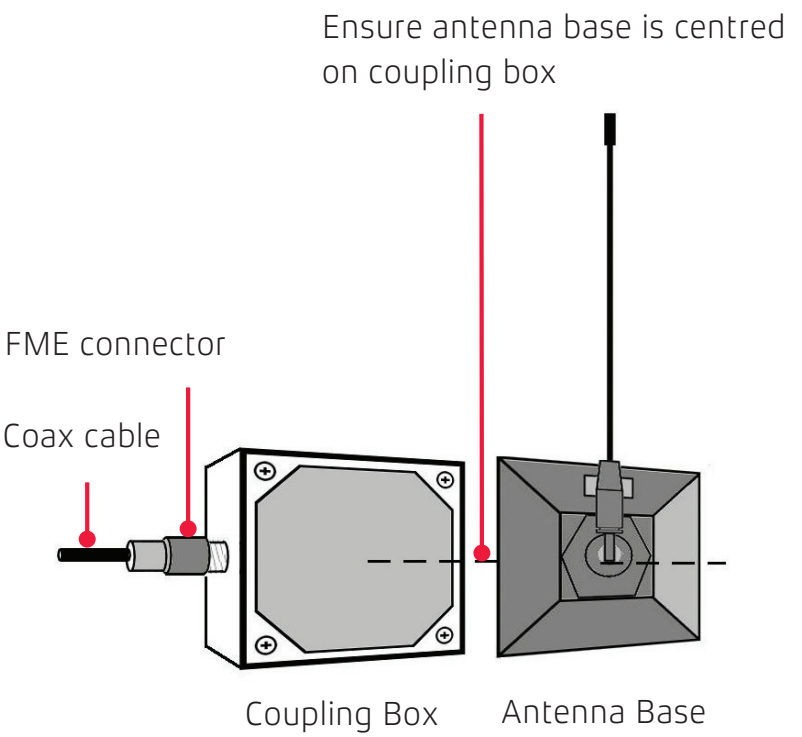
1. Prepare the inside of the glass surface at the mounting position using the supplied glass cleaning cloth. Ensure the surface of the glass is dry and free of moisture or condensation.
2. Remove the protective paper from the adhesive tape on the coupler.
3. Carefully position the coupler on the inside of the window at the exact location required. Ensure the coupler is level and the cable connector extends from one side (choose the side that provides the easiest path to your radio).
4. Press the coupler into place using firm pressure to ensure maximum adhesion. The adhesive is pressure sensitive so firm pressure is required all along the edges to ensure a good bond with the glass.

INSTALLING THE ANTENNA

1. Prepare the outside of the glass surface at the mounting position using the supplied glass cleaning cloth. Ensure the surface of the glass is dry and free of moisture or condensation.
2. Remove the protective paper from the adhesive tape on the antenna base and carefully position the base on the outside of the window, centred directly over the Antenna Coupler. Check that the antenna is vertical then press firmly into place. Once again, use firm pressure along the edges to ensure maximum adhesion.

INSTALLING THE CABLE

1. The coax cable is fitted with FME connectors. Screw one of the FME connectors into the socket on the coupler.
2. Route the cable to your radio. The cable can be hidden behind the edge of the roof lining then routed along the edge of the seats or the door sills so that it is concealed and protected from damage. Be careful when routing near folding/ sliding seats and opening doors to ensure the cable cannot get pinched or chafed.
3. Connect the FME connector at the other end of the coax cable to the PL-259 adapter then connect the adapter to your radio's antenna socket.

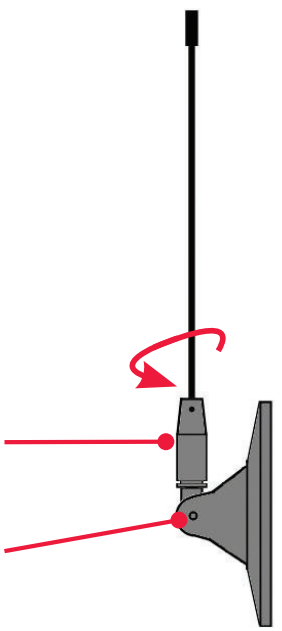


TUNING

The AE5002 is a pre-tuned antenna and no further tuning is required.

GENERAL

- The antenna whip is held to the ferrule by a grub screw. The grub screw should not normally need to be removed.
- The antenna can be removed for car washing or for security purposes by unscrewing the ferrule from the antenna base. When refitting the antenna remember to retighten the ferrule firmly to prevent loss of the antenna while driving.
- The angle of the antenna can be adjusted by loosening the small hexagonal head screw in the pivot base using the allen key supplied. Retighten the screw once the preferred location has been set. Do not over tighten.



SPECIFICATIONS

Gain:	2.15 dBi
Frequency (MHz):	476 – 477 MHz
Impedance:	50 Ohms
Power (Watts):	30
Bandwidth:	≥ 20 MHz
Antenna material:	Spring steel whip and brass fittings
Antenna length:	180 mm
Mounting:	On-glass
Cable:	RG58
Connector:	FME
Coupling Box:	Die cast aluminium
Adhesive:	3M 4941

STANDARD COMMUNICATIONS CONTRACT WARRANTY AGAINST DEFECTS

This warranty against defects is given by Standard Communications Pty Ltd ACN 000 346 814 (We, us, our or GME). Our contact details are set out in clause 2.7.

1. Consumer guarantees

1.1 Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

1.2 To the extent we are able, we exclude all other conditions, warranties and obligations which would otherwise be implied.

2. Warranty against defects

2.1 This warranty is in addition to and does not limit, exclude or restrict your rights under the Competition and Consumer Act 2010 (Australia) or any other mandatory protection laws that may apply.

2.2 We warrant our goods to be free from defects in materials and workmanship for the warranty period (see warranty table) from the date of original sale (or another period we agree to in writing). Subject to our obligations under clause 1.2, we will at our option, either repair or replace goods which we are satisfied are defective. We warrant any replacement parts for the remainder of the period of warranty for the goods into which they are incorporated.

2.3 To the extent permitted by law, our sole liability for breach of a condition, warranty or other obligation implied by law is limited

(a) in the case of goods we supply, to any one of the following as we decide –

(i) the replacement of the goods or the supply of equivalent goods;

(ii) the repair of the goods;

(iii) the cost of repairing the goods or of acquiring equivalent goods;

(b) in the case of services we supply, to any one of the following as we decide –

(i) the supplying of the services again;

(ii) the cost of having the services supplied again.

2.4 For repairs outside the warranty period, we warrant our repairs to be free from defects in materials and workmanship for three months from the date of the original repair. We agree to re-repair or replace (at our option) any materials or workmanship which we are satisfied are defective.

2.5 We warrant that we will perform services with reasonable care and skill and agree to investigate any complaint regarding our services made in good faith. If we are satisfied that the complaint is justified, and as our sole liability to you under this warranty (to the extent permitted at law), we agree to supply those services again at no extra charge to you.

2.6 To make a warranty claim you must before the end of the applicable warranty period (see warranty table), at your own cost, return the goods you allege are defective, provide written details of the defect, and give us an original or copy of the sales invoice or some other evidence showing details of the transaction.

2.7 Send your claim to:
Standard Communications Pty Ltd.
PO Box 96 Winston Hills, NSW 2153, Australia.
Tel: (02) 8867 6000 Fax: (02) 8867 6199
Email: servadmin@gme.net.au

2.8 If we determine that your goods are defective, we will pay for the cost of returning the repaired or replaced goods to you, and reimburse you for your reasonable expenses of sending your warranty claim to us.

3. What this warranty does not cover

3.1 This warranty will not apply in relation to:

(a) goods modified or altered in any way;

(b) defects and damage caused by use with non Standard Communications products;

(c) repairs performed other than by our authorised representative;

(d) defects or damage resulting from misuse, accident, impact or neglect;

(e) goods improperly installed or used in a manner contrary to the relevant instruction manual; or

(f) goods where the serial number has been removed or made illegal.

4. Warranty period

4.1 We provide the following warranty on GME and Kingray products. No repair or replacement during the warranty period will renew or extend the warranty period past the period from original date of purchase.

PRODUCT TYPE	WARRANTY PERIOD
Land accessories and antennas	1 year



gme.net.au

Standard Communications Pty Ltd trading as GME.
17 Gibbon Road, Winston Hills NSW 2153, Australia

Part Number: 310546 Drawing Number: 45872-4