



FIELD TUNABLE VHF/UHF DUAL BAND GLASS MOUNT COMMUNICATION ANTENNA MODEL : VUG-270

Specifications

GAIN	2.5 dB (VHF) / 4dB (UHF)
VSWR	Less than 2.0:1
FREQUENCY RANGE	144 -148 MHz / 440 – 450 MHz
IMPEDANCE	50 Ohm
POWER CAPACITY	50 Watts

Installation

1. Choose a position for the antenna foot and matching box that:
 - does not block the driver's view
 - does not interfere with windshield wiper operation
 - is not coated with a metal film-type sunscreen
 - is clear of other antennas
 - is not within 1.5"(4cm) of the edge of the glass, a defroster element or metal trim
2. Position the antenna and matching box at the desired position to confirm that neither will interfere with your vehicle's normal operation.
3. Use the supplied alcohol wipe to clean the inner and outer surface of the glass at the mounting position. Allow the glass to dry completely before continuing.
4. Remove the paper backing from the matching box and carefully position it over the mounting position. Then firmly press it into place for 5 seconds.
5. Remove the paper backing from the antenna base and carefully position it at the mounting position opposite the matching box, with the bolt to the left. Then firmly press it into place and hold it for 5 seconds.
6. Hook the radial on the connector of the matching box. Then screw the connector of the supplied cable onto the matching box.
7. Route the cable to your radio transceiver and connect it according to the transceiver's instruction.
8. Unfasten the bolt of the antenna base and position the antenna so it is straight up and down, then tighten the bolt.
9. Route the coaxial cable so it does not interfere with passengers or operation of the vehicle.

Adjustment

For the best performance, tune the antenna using an SWR meter. Follow the instruction of SWR meter to connect it to your radio transceiver and the antenna cable. To adjust the SWR , use the supplied plastic tuning tool to rotate the tuning capacitor on the matching box. A very small change in the tuning capacitor's.

