



OG-PH-33F-7

Vehicle On-Glass Dual Whip

Mobile Phone Antenna

Dualband 4G

Upper and Lower
825 - 960 MHz,
1790–2170 MHz
3 or 5 dBi

- Dual whips included for 3 dBi (CBD) or 5 dBi (rural)
- Installation Kit includes 5 metres RG58 low loss cable with FME Female connectors fitted both ends.
- Easy peel and stick installation.

INSTALLATION GUIDE

www.zcgc.com.au

ANTENNA DESCRIPTION

Small and unobtrusive, an on-glass cellular mobile phone antenna is a popular alternative to other bracket mounted antennas.

Model **OG-PH-33F-7** consist of a 3 dBi and 5 dBi whip both factory tuned to all available dualband 4G cellular mobile phone networks.

With 3.0 dBi gain whip suits usage within CBD locations, and the 5 dBi gain whip suits rural locations, this on-glass antenna will improve your mobile phone reception range while travelling.

A detailed specification sheet is available to download from www.zcgc.com.au

INSTALLATION KIT

- Alcohol wipe to clean and prepare glass inside and out.
- 1 x black removable 3 dBi whip standing 140mm tall.
- 1 x black removable 5 dBi whip standing 335mm tall
- External pivoting whip base with adhesive pad.
- Internal coupling box with **FME male** connector and adhesive pad.
- 5 metres of RG58 low loss coaxial cable with **FME Female connectors fitted each end.**
- FME female to Mini UHF male adaptor

INSTALLATION GUIDE

It is important to avoid mounting this on-glass antenna anywhere near heated demister elements, embedded radio antennas, tinted covering or on any area of glass which contains metal flakes.

To ensure maximum adhesion, it is recommended that the vehicle not be driven any significant distance for a period of 2 hours after installation.

1. Preparation

Once the mounting location has been selected, typically high up on the rear window, wash the glass area inside and out with a detergent solution and wipe dry.

Absolute cleanliness is essential to provide a good adhesive bond to the glass. Use the alcohol wipe provided to further remove any contaminants from the window area where the external antenna base and internal coupling box will be adhered to.

2. Apply the Antenna Base and Coupling Box

The adhesive pads used have immense gripping strength, so much so that **great care must be taken** to locate the antenna base and coupling box exactly in the desired position at first attempt.

Once the external pivoting antenna base has been applied to the glass, **apply firm pressure** to the antenna base and ensure that any air bubbles between the glass and adhesive pad are removed. Fit the whip and adjust the angle so it is **set vertical** for best performance.

The internal coupling box must be applied in parallel to and exactly under the external pivot antenna base.

Again, apply firm pressure to the coupling box to remove any air bubbles.

3. Route the Cable to your device.

After fitting the internal coupling box, attach the 5 metre RG58 low loss cable set with FME Female connector. Route the cable carefully to your car kit or device. The cable can be located in the head lining or under the carpet as desired.

Ensure that the cable is not stretched excessively and there are no sharp kinks. If using any cable ties, do not pull so tight as to crush the cable. A damaged feeder cable is a cause of high VSWR and reduced performance.

4. Connect to the Mobile Phone Car Kit

If the **FME Female** connector fitted to the cable does not suit your car kit, utilise the FME male to Mini UHF male adaptor supplied in it's place to suit. Alternate adaptors to other connectors or genders are available to order separately.