

Section 5

CELLULAR MOBILE PHONE ANTENNAS

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OG835 Multiband NEXT G and GSM Vehicle On-Glass Mount

Frequency
825 – 960 MHz

Bandwidth
NEXT G and GSM combined



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

Model **OG835** is factory tuned to cover **both the NEXT G and GSM** cellular mobile phone networks combined.

With 5.1 dBi gain this on-glass antenna will improve your mobile phone reception range while travelling.

SPECIFICATIONS	OG835
Cellular Mobile Phone Network Coverage	Both NEXT G and GSM combined, 825–960 MHz
VSWR	< 2:1 across full band
Tuning	Factory
Gain	5.1 dBi
Maximum Power	5 Watts
Impedance	50 Ohms
Polarisation	Vertical
Whip Height	30 cm
Kit Weight	150 grams
Colour	Black
Mounting	On-Glass using the Adhesive Pads supplied



The Installation Kit Includes :

- Alcohol wipe to clean and prepare glass inside and out.
- Black removeable whip standing 30 cm tall.
- External pivoting whip base with adhesive pad.
- Internal coupling box with **FME Male** connector and adhesive pad.
- 4 metres of RG58 low loss coaxial cable with **FME Female connectors fitted each end**.
- **Mini-UHF Male** crimp connector also supplied.



FME Female connectors are fitted to each end of the 4 metre RG58 low loss cable supplied



A Mini-UHF Male connector is also supplied

Installation Tips :

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

When the mount 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. Then use the alcohol wipe provided to further remove any film from the window area where the external antenna base and internal coupling box will be mounted.

The modern 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.

Attach the 4 metre RG58 low loss cable set to the internal coupling box with FME connector. Route the cable carefully to your car kit. 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.

If the FME Female connector fitted to the cable does not suit your car kit, then carefully fit the alternative Mini-UHF Male crimp connector supplied in its place, or other connector to suit RG58 cable.

The whip must be vertical for best performance.