ZCG

Model

SGL1900-TPM

Omnidirectional broadband wireless data collinear

UHF 1880-1920 MHz

6.2 dBi Gain

- 5 metres RG316 cable - bottom exit from the ferrule.
- MCX male connector fitted to the cable.
- Mounts into the provided GM1 bracket or any bracket with minimum 16mm diameter hole.
- 5 watts maximum input power.

INSTALLATION GUIDE

www.zcg.com.au

ANTENNA DESCRIPTION

Factory tuned to cover the wireless broadband range stated between 1880-1920 MHz, with 6.2 dBi gain, the **SGL1900-TPM** can be used for various wireless data transfer applications. The antenna will deliver consistent and dependable results with maximum efficency, particularly where signal strength is marginal.

The SGL1900-TPM antenna top can be mounted to the provided GM1 bracket or any bracket with a 16mm diameter hole to suit various mounting configurations.

5 meters of RG316 cable side exits through the ferrule. A right-angle MXC male crimp connector is fitted.

Supplied Mount Method

Bolt the antenna top into the provided GM1 brackets 16mm diameter hole. A 22mm spanner is required to secure the nut. The GM1 is suitable for mounting either in bonnet or boot locations or fascia or vertical surface mounting using the 4.5mm holes.

Alternative Mount Methods - Not included

Bracket: BBM series, MRM-SS, BBKB-B, A-6211 or GM2

Spring base: A-1269, A-1269-14 or A-1270

Magnetic base: MGB

Mast mount extension: A-4266 series + EB1-SS or UB3-SS

SELECTING THE MOUNTING POSITION

To achieve best performance from your SGL1900-TPM, these are the important principles you should consider when selecting the mounting point:

1. ***Mount the antenna in as high a place as possible.***
2. ***Mount the antenna as far away from other antennas, overhangs and/or metallic objects as possible to avoid interference and distortion of the 360^{o} omnidirectional pattern. At least 350 mm side clearance is desireable, preferably more.***
3. ***Mount the antenna properly vertical, not at an angle.***

INSTALLATION GUIDE

IMPORTANT : Leave some slack in the cable at the point where the cable exits the mount ferrule so as not to place undue tension on the cable and to reduce possible water ingress into your antenna from the coaxial cable.

Route the coaxial cable carefully along your intended installation route, secure using PVC or stainless steel cable ties, ensuring not to crush your coaxial cable. Ensure that the cable is not stretched excessively and there are no sharp kinks. A damaged/kinked or constricted feeder cable is a cause of high VSWR and reduced performance.

Once your coaxial cable is secure, connector your MCX male (standard connector) to your device. Power on your system and check for performance levels and signal connection.

Installation is now complete.

If no signal achieved or lower than stated performance levels stated, please check connector fitment, coaxial cable routing, cable tie tension or device power connection. The leading cause of poor performance are as stated above.

All ZCG antennas are QA checked prior to dispatch from our Victorian based manufacturing facility.

The cable may be cut shorter if desired. However, a new connector will then need to be fitted using proper tools.

If the MCX male connector fitted to the cable does not suit your application, then any other connector which is suitable for RG316 cable can be fitted upon request. Please specificy requirements when ordering.

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