ZCG

Model

SGLWB-W-TPM

Multiband 4G LTE + 4G/3G mobile phone antenna top

4G LTE & dualband 4G/3G

698-2700 MHz

2.1 dBi Gain

- 5 metres RG58 low loss stranded cable.
- FME female connector fitted to the cable.

Applications :

1. Upgrade capability from the SGDB series antenna
2. Mount into any bracket with minimum 13mm (½") diameter hole

INSTALLATION GUIDE

www.zcg.com.au

ANTENNA DESCRIPTION

Factory tuned to cover all available 4G LTE and dualband 4G/3G mobile phone networks combined, with 2.1 dBi gain, the **SGLWB-W-TPM** can be used to replace/ upgrade our SGDB series of mobile phone vehicle mount antennas.

The SGLWB-W-TPM antenna top can also be mounted outdoors at your home or office to improve mobile phone reception utilising an internal signal booster.

No metal ground plane is necessary for the antenna to operate effectively.

There are two ways to mount this antenna top outdoors.

Mount Method 1

- Bolt the antenna top into any bracket/hole with a minimum 13mm (1/2") diameter hole.

Mount Method 2

1. *Order part A-4266 threaded aluminium mast mount adaptor @ 150mm long x 25mm diameter.*
2. *Screw the antenna top into the mast mount adaptor ensuring tight and faces flush.*
3. *Clamp the adaptor and antenna to a mast/pole or hockey stick 'J' bracket utilising appropriate mount brackets such as a EB1-SS or UB3-SS* ***(order separately)****.*

SELECTING THE MOUNTING POSITION

To achieve best performance from your SGWLB-W-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 FME female (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 FME female connector fitted to the cable does not suit your mobile phone, then any other connector which is suitable for RG58 cable can be fitted. Otherwise use a suitable adaptor, or a patch lead.

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