



ZAU-GPSWL-5

All-in-one 'Shark-fin' Cellular,
GPS & WiFi low profile antenna

LTE + 4G/3G 698-960 /1710-

2170 & 2300-2700 MHz

L1 GPS 1575.42 MHz

WiFi 2400-2500 MHz

2.0 - 3.5 dBi

- Simple installation via the threaded mounting section
- 3 x 5 metres RG174 cable terminated with specified connectors - Each cable labeled for easy installation.
- Rubber gasket around base of antenna for improved water/dust ingress protection.

INSTALLATION GUIDE

www.zcg.com.au

ANTENNA DESCRIPTION

The ZAU-GPSWL-5 all-in-one low profile 'shark-fin' antenna is suitable for both vehicle or fixed position mounting for a wide range of applications:

- Navigation and data communication
- Vehicle tracking or Fleet management
- Machine-to-machine (M2M)
- SCARDA
- Cellular improvement for LTE & 4G/3G

INSTALLATION GUIDE

It is important to mount this antenna on the highest surface possible on your vehicle to ensure a clear signal path skywards.

1. Preparation

Ensure mounting surface is flat, smooth and free from debris or obstructions.

Once the mount location has been selected use a 14mm diameter drill to drill the mounting hole. Ensure no sharp edges are present inside/outside hole. A file should be used to remove any sharp edges.

2. Install the Antenna

Remove the securing nut and lock-tooth washer from the base of the antennas threaded mounting section and remove from cable/termination.

Pass connector and cable through the mounting hole.

Insert antenna mounting thread into hole and ensure a total flat contact of antenna base/gasket with mounting surface. If the rubber gasket is not compressed water/dust ingress may occur.

Slide mounting nut back over termination and cable and thread back onto mounting thread, tighten until antenna secure and no movement present.

3. Route the Cables

Route the coaxial cables carefully to your devices ensuring no excess tension is put onto the cable or termination. Ensure that the cable is not stretched excessively and there are no sharp kinks.

If possible secure your cable using cable ties or cable clips, if using cable ties do not overtighten, this will lead to a crushed cable. A damaged/crushed feeder cable is a cause of high VSWR and will greatly reduce performance.

4. Connect to a device

Ensure the termination/connector is free from debris and no damage occurred during cable routing. Plug termination onto device and check function of system.

If any issues arise, power down device and disconnect antenna. Complete an entire visual check/troubleshoot of the antenna and device system to ensure no damage to antenna, cable or termination has occurred.

5. Maintenance

The ZAU-GPSWL-5 is designed and manufactured for a long, maintenance free service life. ZCG recommends a yearly inspection of the external antenna, coaxial cable and termination security to ensure no damage is present and connections are secure. This will ensure the longevity and performance of your system.