



ZAU-E100C

Satellite Communications low Profile "hockey puck" antenna

1616-1626.5MHZ

2.5dBi

- Simple installation via the threaded mounting section
- IP67 rated within an ABS radome
- 2.0 metres RG316 fitted with TNC male connector as standard or specified termination

INSTALLATION GUIDE

www.zcg.com.au

ANTENNA DESCRIPTION

The ZAU-E100C low profile 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
- Satellite communications

INSTALLATION GUIDE

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

Interference from over-hangs, trees or other antennas will greatly reduce performance of the antenna.

1. Preparation

Ensure mounting surface is clear from obstructions skywards, such as trees/branches, roof over-hangs or other antennas.

Once the mount location has been selected use a 13mm 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 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 with mounting surface.

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 Cable

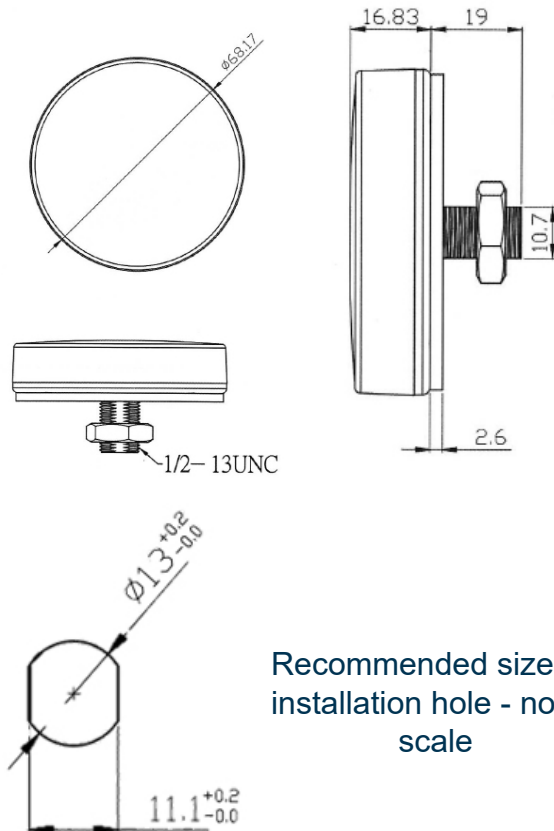
Route the coaxial cable carefully to your device/s ensuring no excess tension is put onto the cable or termination. Ensure that the cable is not stretched excessively and there are no sharp kinks.

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



Recommended size for installation hole - not to scale