



Model

ZIR-1626-RC

Satellite Phone

Communications Antenna

1616-1626MHz

3 dB

Recommended for a vehicle bull bar
or fixed location mounting

- Mounts into any bracket with minimum 12.7 mm (½") diameter hole.
- 5 metres of MIL-SPEC RG58 low loss cable.
- TNC male connector fitted to the cable.

INSTALLATION GUIDE

www.zcg.com.au

ANTENNA DESCRIPTION

The ZIR-1626-RC satellite communications, cellular antenna is a popular choice for good reasons:

- Improves signal strength for satellite phones
- 3 dB gain
- Right-hand circular polarised (RHCP)
- Robust construction ensuring a long service life.

The antenna mounts easily into any bracket with 12.7 mm (½") minimum diameter hole and is secured firmly by the nut and washer at the base of the spring assembly.

The high quality electro-polished stainless steel straight spring dampens vibrations while travelling.

5 metres of MIL-SPEC RG58 low loss cable bottom exits from the spring assembly. A TNC male connector is fitted to the cable for easy installation.

A detailed specification sheet is available to download from www.zcg.com.au

TUNING

The ZIR-1626-RC-10 has been tuned in the factory for satellite phone frequency range of 1616-1626 MHz, please check compatibility with your satellite connection.

VSWR has been optimised to better than 2:1 across the full frequency range 1616 to 1626.5 MHz.

This tuning cannot be altered.

IMPORTANT INFORMATION

The ZIR-1626-RC-10 satellite phone communications antenna has some basic requirements for optimal performance.

- Clear line of site with sky, no obstructions such as trees, roofs, structures or buildings.
- Clear from metal objects or other transmitting devices.
- Installed and maintained in the vertical orientation for optimum connectivity

SELECTING THE MOUNTING POSITION

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

The typical mounting position for this antenna is to your vehicle bull bar, although the guard or boot are other potential mounting points using the appropriate bracket with 12.7 mm (½") minimum diameter hole.

The antenna can also be mounted in locations other than on a vehicle.

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

- Mount the antenna in as high a place as possible.**
- Mount the antenna as far away from other antennas and metallic objects as possible to avoid distortion of the 360° omnidirectional pattern and interference. At least 350 mm side clearance is desirable, preferably more.**
- Mount the antenna vertical, not at an angle.**

INSTALLATION GUIDE

Remove the split nut from the base of the spring. Insert the thread at the base of the spring through the hole of your mounting bracket. Screw the split nut onto the thread of the straight spring. Tighten the nut to firmly secure the antenna to the bracket.

IMPORTANT : Leave some slack in the cable at the point where the cable exits the spring base. This will allow the antenna to flex in the usual manner during travel without placing unnecessary tension on the cable.

Route the RG58 low loss stranded cable carefully to your device. Ensure that the cable is not stretched excessively and there are no sharp kinks.

Use cable ties, but do not pull them so tight as to crush the cable. A damaged feeder cable is a cause of high VSWR and reduced performance.

Insert the TNC male connector into your device. The maximum input power is 20 watts.

Installation is now complete.

MAINTENANCE

We recommend a yearly full inspection of your antenna system to ensure the line of site is kept clear from obstructions to ensure operability.