

# 8100 Series 5G LTE Cellular Antennas INSTALLATION GUIDE

Thank you for purchasing this RFI Antenna. The 8100 Series antennas are specifically designed to provide maximum range and performance in all 5G LTE cellular bands including 698-960, 1710-2170, 2300-2700 & 3400-3800 MHz.

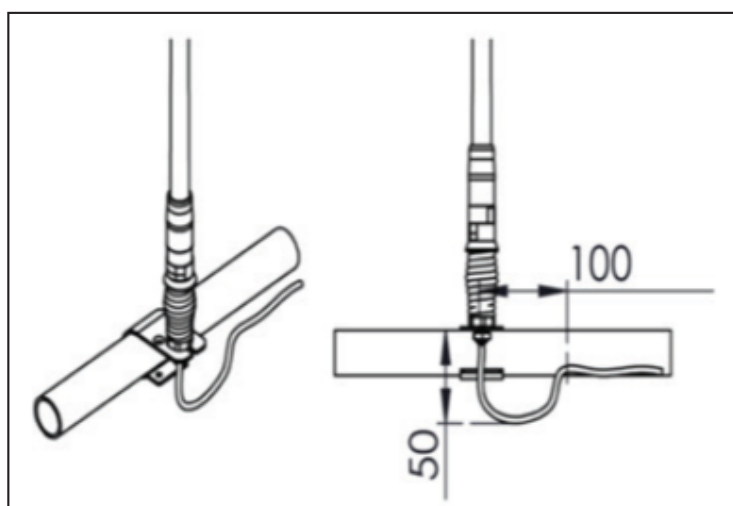
## Parts List:

Please check to ensure your antenna includes the following:

CD8100 Series	CRD8100 Series	CDQ8100 Series
1 x Complete CD8100 Series antenna with and spring assembly with 5m RG58 low loss cable terminated with SMA male connector	1 x Removeable CDR8100 series whip 1 x Spring assembly with 5m RG58 low loss cable terminated with SMA male connector	1 x Removeable CDQ8100 series whip 1 x Spring assembly with 5m RG58 low loss cable terminated with SMA male connector

## Installation:

- The antenna can be mounted on a vehicle guard, boot, bull bar or other locations using an appropriate mounting bracket, however in the case of the CDQ8100 Series, we recommend mounting on a bull bar only.
- When choosing a mounting location, try to ensure that the whole antenna (in particular, the fibreglass whip section itself) is as high as possible and as far away as practical from metallic obstructions (roof racks or vehicle pillars). This will minimise reflection or shadowing of the signal.
- Ensure there are no other antennas installed within 0.6 metre of the antenna when installed to minimise signal interference.
- This antenna has been factory terminated with an SMA male connector to simplify installation and comes complete with 5m of RG58 low loss cable. In most cases no further cable termination should be required.
- Your CDR8100 & CDQ8100 Series may be supplied with the whip not installed. If this is the case, please remove (& keep) the protective cap and screw the antenna onto the spring assembly and tighten as necessary.



**Important:** When installing any spring-loaded antenna, it is important to allow enough loose cable at the base of the antenna for when the spring flexes. A loop of 50mm before fixing the cable would be sufficient for 8100 Series antennas (see pictures).