

## External antenna installation

If installing the DC1-100 inside a metal enclosure, this can sometimes cause the signal from the home router or the inverters to be shielded from the DC1 antenna. There are 2 recommended solutions.

1. Install the DC1 outside the metal enclosure within a plastic one.
2. Use the external antenna available from Delta Electronics Australia, installation instructions are below.

Installing the antenna is as follows

1. Contact: [solarassist@deltaww.com](mailto:solarassist@deltaww.com) Delta Electronics Australia to get the external antenna pictured below from



2. Unscrew the small black antenna from the DC1



3. Screw the antenna extension to the DC1 antenna connection.



4. The end result should be as below, the antenna can now be mounted outside the metal box.  
Note that the mounting position needs to be chosen such that,
  - a. The path between the Inverters() to the DC1 and from the DC 1 to the wifi router is not obstructed by the metal enclosure containing the DC1.
  - b. The antenna sits vertically
  - c. The IP rating of the distribution board is maintained.

