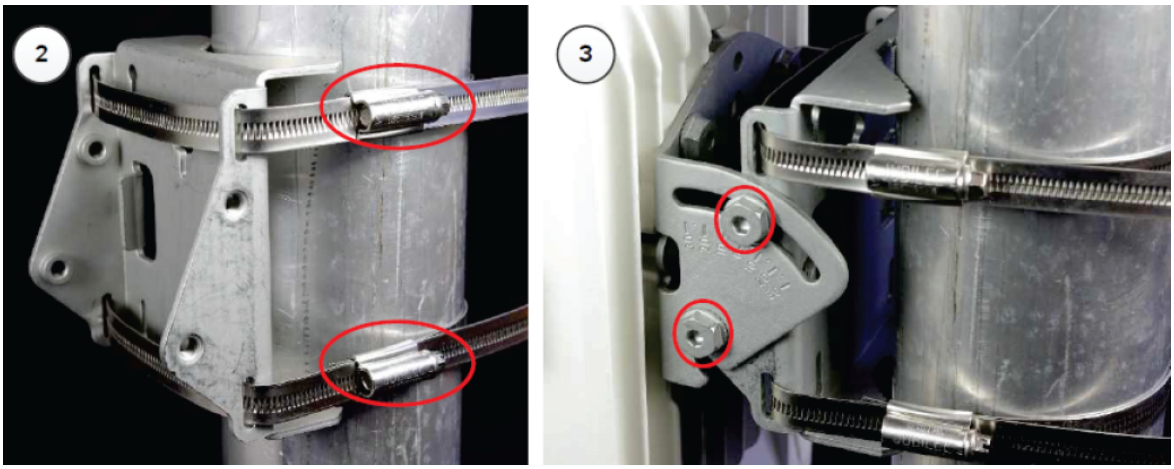
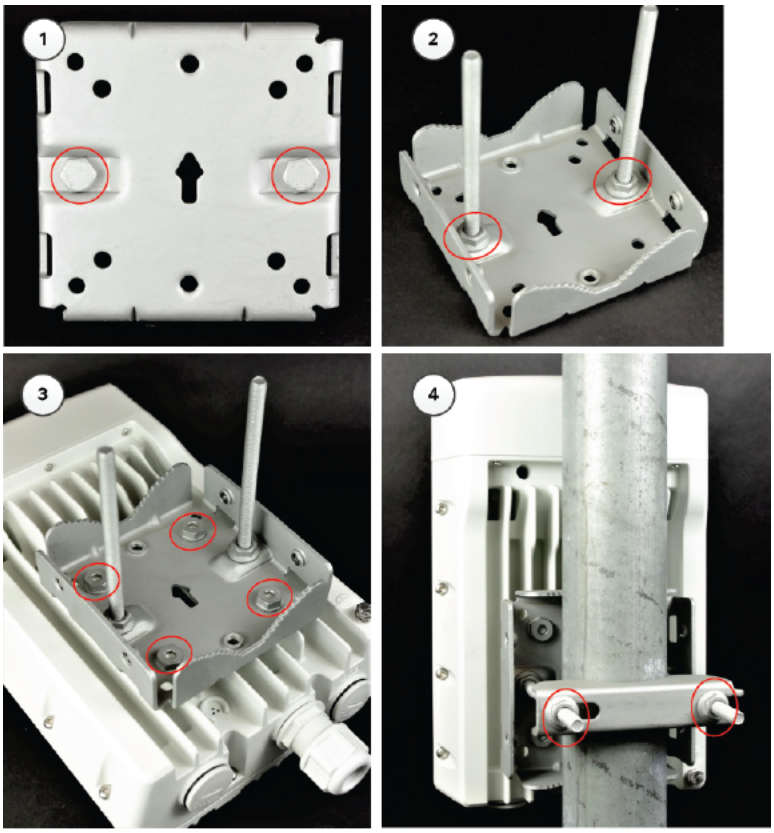
Figure 103: *Fixing the mounting plate of bracket body and adjusting the elevation angle*



V5000 Pole mount bracket

1. Pass the long screws through the bracket body. The screws are located in the recess in the bracket.
2. Fit two flanged nuts to the long screws on the back of the bracket. Tighten using a 13 mm spanner.
3. Fix the bracket to the back of the radio using the four short M6 bolts, ensuring that the arrow in the plate points towards the top of the radio. Tighten the four bolts to a torque setting of 5.0 Nm (3.7 lb-ft) using a 13 mm spanner or socket.
4. Attach the pole-mount bracket to the pole using the clamp and the remaining flanged nuts. Adjust azimuth and tighten the nuts to 10 Nm (7.4 lbft) using a 13 mm spanner.

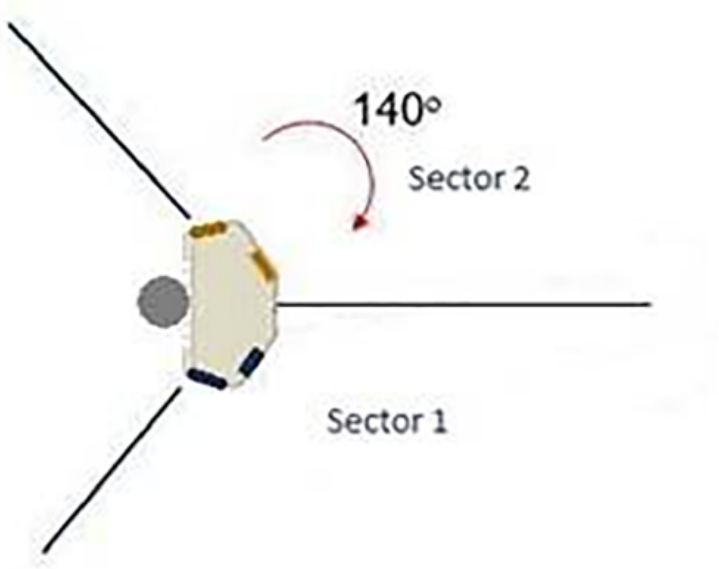
Figure 104: *Fixing the V5000 pole mount bracket*



V5000 Alignment

The V5000 distribution node has two sectors, situated side by side, each covering a 140-degree range in azimuth, giving a combined coverage of 280 degrees. In elevation, the antenna can beam steer in a +/- 20-degree range. The boundary between where Sector 1 ends and Sector 2 begins is the centerline/boresight from the unit.

Figure 105: *V5000 alignment - Top view*



V5000 Wall mount bracket

1. Install the mounting plate of the wall mount bracket securely on a vertical wall, using suitable fixing hardware.

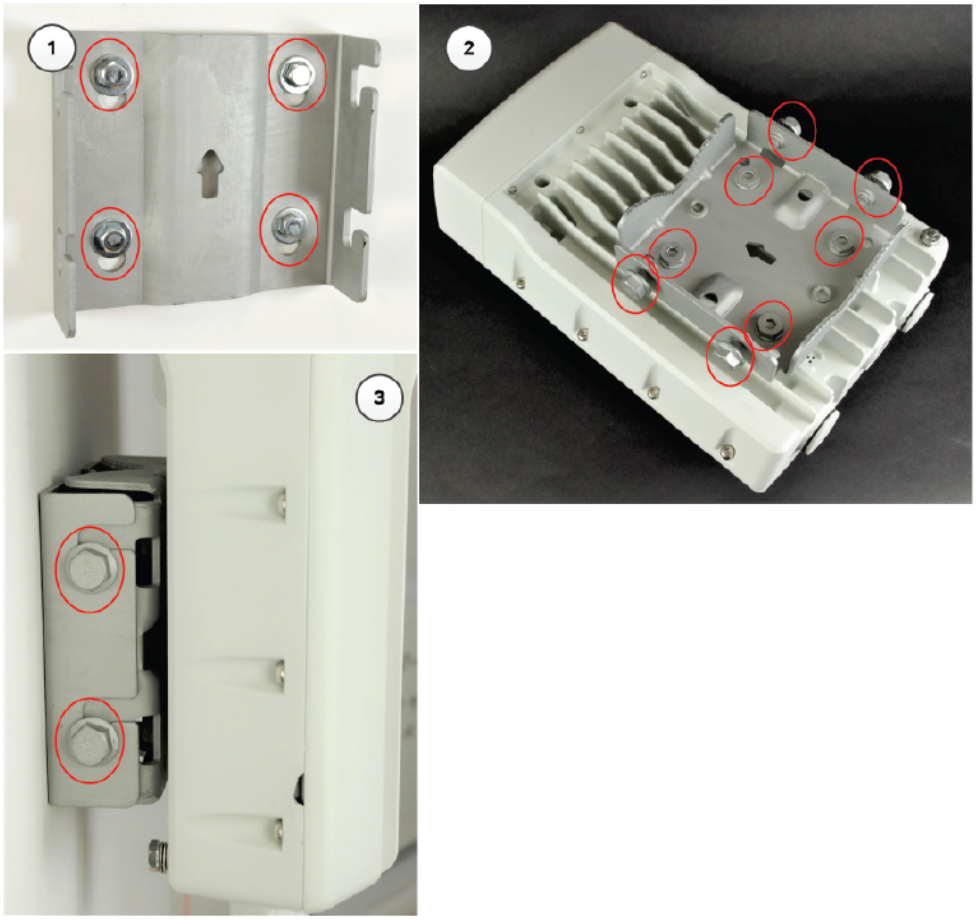
Note

Fixing hardware is not supplied with the wall mount bracket.

2. Fix the bracket body to the back of the radio using the four short M6 bolts, ensure that the arrow in the plate points towards the top of the radio. Tighten the four bolts to a torque setting of 5.0 Nm (3.7 lb-ft) using a 13 mm spanner or socket.
3. Insert the four short M8 bolts into the sides of the bracket body.
4. Fit the bracket body to the mounting plate by positioning the short bolts into the open-ended slots.

   Tighten the bolts to a torque setting of 5.0 Nm (3.7 lb-ft) using a 13 mm spanner or socket.

Figure 106: *Fixing the V5000 wall mount bracket*



Connect to the PSU port of the radio

Using power over Ethernet (PoE)

1. Disassemble the gland and thread each part onto the cable (the rubber bung is split). Assemble the spring clip and the rubber bung.

   Figure 107: *Assembling the spring clip and the rubber bung*

2. Fit the parts into the body and lightly screw on the gland nut (do not tighten it).

Figure 108: *Fixing the gland nut*

3. Connect the RJ45 plug into the main PSU port of the ODU.

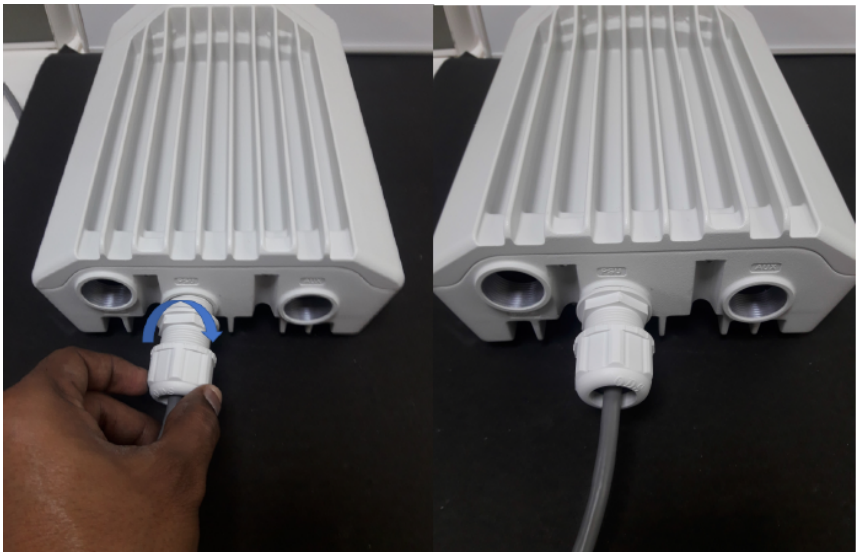
Figure 109: *Connecting the RJ45 plug*

4. Rotate the gland clock wise to tightly fit the gland on the PSU port.

Warning

Ensure that the cable clamp is not attached/ tightened at this stage, this may cause damage to the RJ45 or PCB.

Figure 110: *Rotating the gland*



5. Tighten the gland (cap or nut), this must be done last. Otherwise, it may damage the RJ45 or PCB.

Disconnecting drop cable from the radio

1. Loosen and remove the cable clamp by rotating anti-clockwise from the PSU port.

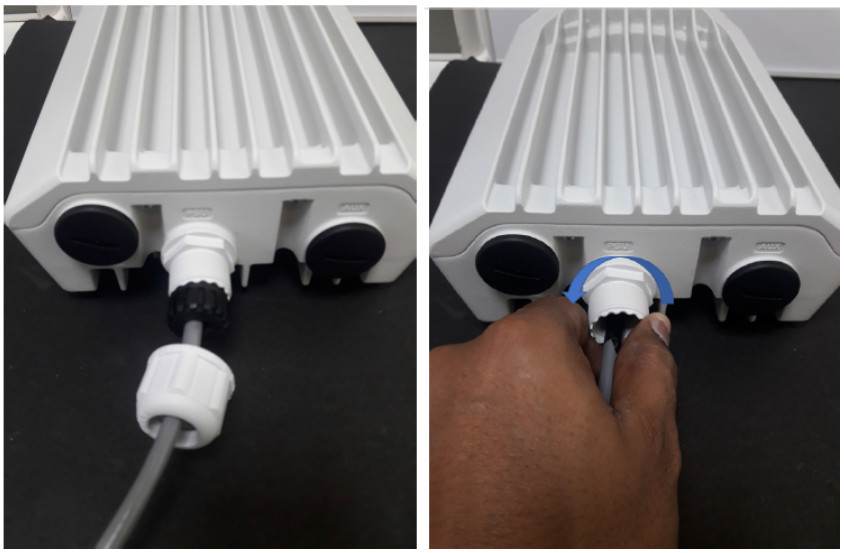
Figure 111: *Removing the cable clamp*

Warning

Loosen the cable clamp completely and then unscrew the gland. Not releasing the cable may cause damage to the RJ45 socket and/or PCB.

2. Remove the gland.

Figure 112: *Removing the gland*



3. Press tab on RJ45 plug to remove the cable from PSU port.
4. Remove the latch of the RJ45 plug to remove the cable from the PSU port.

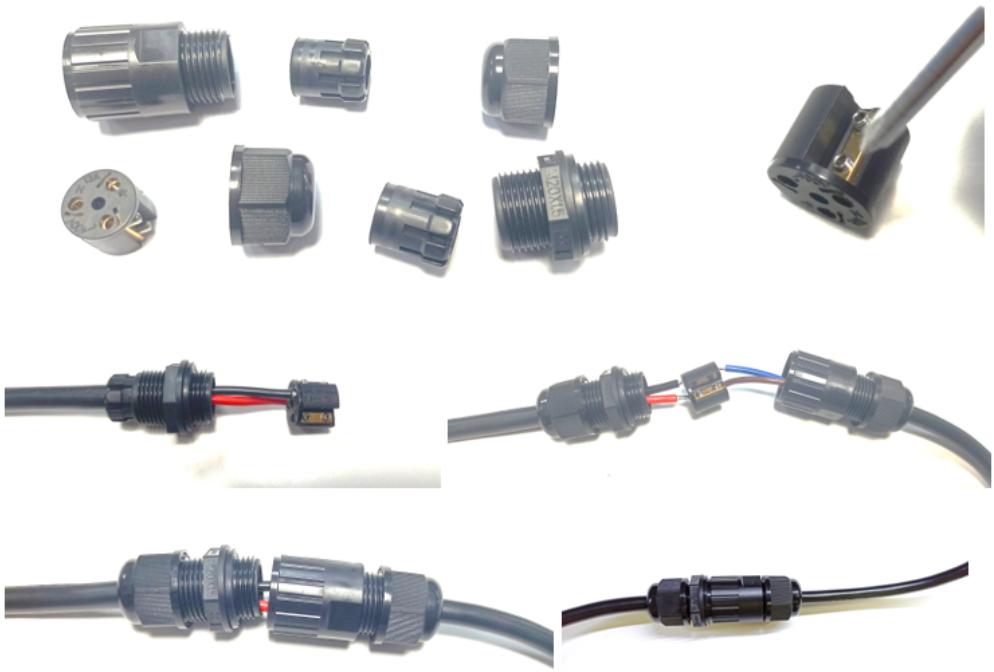
Figure 113: *Removing the latch of the RJ45 plug*

Using AC/DC PSU

Cable joiner

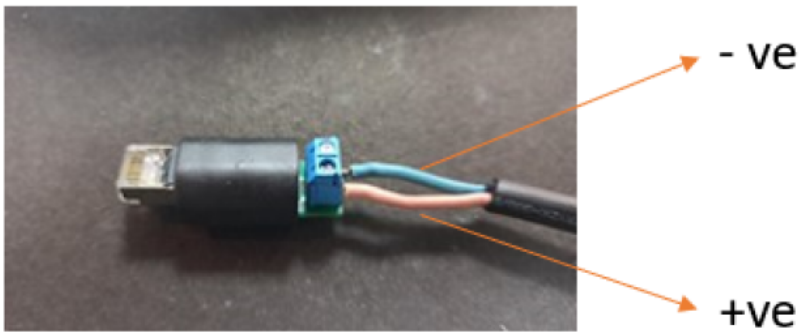
A cable joiner is used to connect the wires. Insert the wires into the cable joiner by loosening the screws on the joiner.

Figure 114: *Cable joining parts*



Connecting the mini adapter

Figure 115: *Mini adapter connections*



Fitting the long cable gland

Figure 116: *The long cable gland*

Connecting the mini adapter to ODU

1. Plug and connect the input side of the AC/DC PSU to the AC power line and tighten the gland. Tighten the cable clamp cap.

   Figure 117: *Connecting the input side of AC/DC PSU*

2. Connect output side of DC PSU to ODU through cable joiner and DC mini adapter.

Figure 118: *Connecting the output side of AC/DC PSU*

Install the PSU

Install one of the following types of PSU:

- Installing the 60W DC power injector
- Installing the AC/DC PSU
- Installing the V1000 power injector

Warning

Always use an appropriately rated and approved AC supply cord-set in accordance with the regulations of the country of use.

Attention

As the 60W DC power injector and V1000 power injector are not waterproof, locate it away from sources of moisture, either in the equipment building or in a ventilated moisture-proof enclosure. Do not locate the PSU in a position where it may exceed its temperature rating.

Attention

Do not plug any device other than a 60 GHz cnWave ODU into the ODU port of the PSU. Other devices may be damaged due to the non-standard techniques employed to inject DC power into the Ethernet connection between the PSU and the ODU.

Do not plug any device other than a Cambium 60 GHz cnWave PSU into the PSU port of the ODU. Plugging any other device into the PSU port of the ODU may damage the ODU and device.