

Packing Check List

Item	Description	Quantity
	<i>For A-XPOL-0006-10m</i>	
1.	A-XPOL-0006-10m Antenna	1
2.	Fast M6x16mm hex bolt	4
3.	Fast M6 flat washer ss	4
4	SMA grip extender	2
5.	A-BRKT-016 kit	1
5.1	Bracket Cast U-Shape Base	1
5.2	Bracket Cast Square Base	1
5.3	Fast M6 nut ss	4
5.4	Bracket Cast Connector	1
5.5	Fast M6x60mm U-bolt ss	2
5.6	Fast M6 flat washer ss	6
5.7	Fast M6 nylock nut ss	2
5.8	Fast M6x25mm hex bolt	2
5.9	Fast No.6x55mm easy fit wall plug	4

Installation Instructions**1. Finding the best mounting position:**

The antenna needs to be facing the LTE tower with few or no obstructions (outside) to obtain the best performance. To find the optimal position, connect the antenna to the modem and turn the modem on. If the antenna is to be mounted on a wall, move the antenna to all outside walls and watch the signal strength on the modem (more signal indicator lights means better signal strength). If the antenna is to be mounted on a pole, mount the antenna and turn the pole while watching the signal strength on the modem. Choose the position that yields the best signal strength.

Note: If the antenna does not improve the signal strength in the above mentioned process, it is possible that the antenna will improve signal strength when mounted on a pole above roof height.

2. Antenna pole mount:**a) Mounting the pole (Pole and pole bracket **not** included)**

- Position the pole bracket as seen in figure 1 below and mark the positions for the holes on the wall.
- Use a 14mm masonry drill bit and an impact drilling machine to drill the 3 holes in the wall 70mm deep.
- Remove the M8 bolts from the 14mm wall plugs and insert just the wall plugs into the three holes.
- Position the bracket over the holes and screw the M8 bolts into the wall plugs.
- Fasten the bolts with a 13mm spanner as shown in figure 2 below.

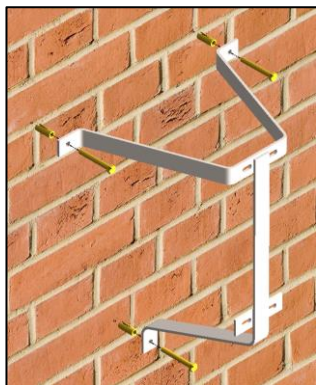


Figure 1



Figure 2

Tools that may be required:

- 6mm and 14mm Masonry drill bit



- Impact drilling machine



- Phillips screw driver



- 10mm and 13mm spanner



- Hammer



- Position the pole against the bracket and fasten the two M8 U-bolts with two M8 nuts with a 13mm spanner as shown in figure 3, 4 and 5 below.

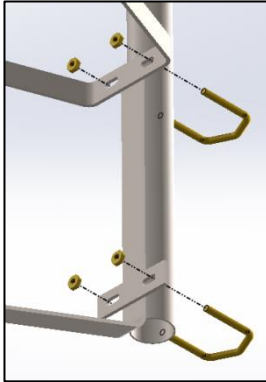


Figure 3

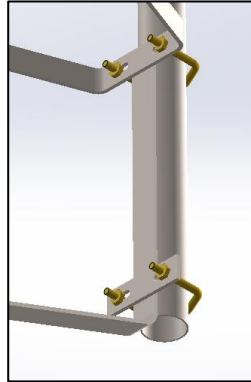


Figure 4



Figure 5

b) Mounting antenna to pole

- Fasten the three aluminium parts of the bracket to one another with the given two sets of M6 nylock nuts, M6 bolts and M6 washers as shown in figures 6 and 7.
- Tighten the nuts with a 10mm spanner.

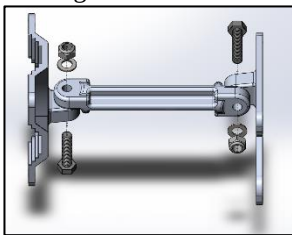


Figure 6

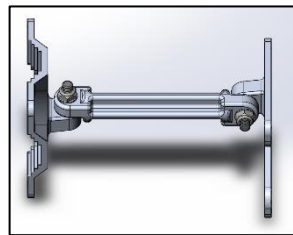


Figure 7

- Fasten the antenna to the bracket using the given four sets of M6 bolts and M6 washers as shown in figures 8 and 9 below.
- Tighten the bolts with a 10mm spanner.



Figure 8



Figure 9

- Fasten the antenna bracket to the pole with the given M6 U-bolts, nuts, and washers as shown in figures 10 and 11 below.
- Tighten the nuts with a 10mm spanner.



Figure 10



Figure 11

3. Antenna wall mount:

- Fasten the three aluminium parts of the bracket to one another with the given two sets of M6 nylock nuts, M6 bolts and M6 washers as shown in figures 12 and 13.
- Tighten the nuts with a 10mm spanner.

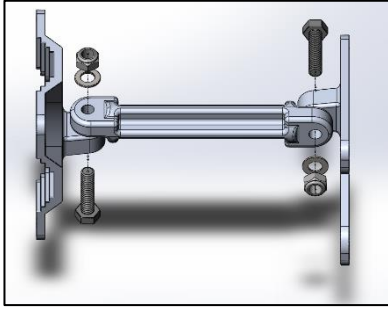


Figure 12

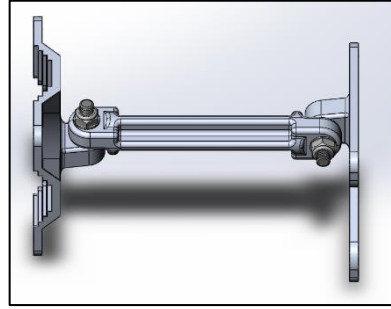


Figure 13

- Drill four 6mm diameter holes, 60mm deep, with a 6mm masonry drill bit and an impact drilling machine. The centres of these holes should be in a square of 65x65mm as shown in figure 14 below (the bracket may be used to mark the positions for drilling the holes).
- Place the bracket over the holes and knock the 6x55mm wall plugs in with a hammer as shown in figures 15 and 16 below. Screw the wall plugs in with a Philips screw driver to ensure it is fastened tightly.

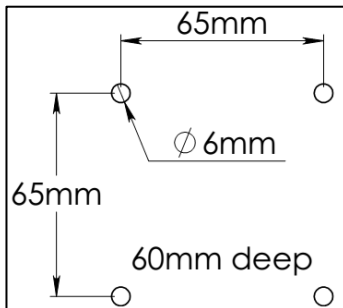


Figure 14



Figure 15



Figure 16

- Fasten the antenna to the bracket using the given four sets of M6 bolts and M6 washers as shown in figure 17 below.
- Tighten the bolts with a 10mm spanner.



Figure 17



Figure 18

4. Cable routing

- For an antenna mounted on a pole, use a cable tie to secure the cable to the pole to relieve the cable from any strain as shown in figure 19 below.
- For an antenna mounted on a wall, use a cable wall clip to secure the cable to the wall to relieve the cable from any strain as shown in figure 20 below.
- Drill a hole through the wall with a 14mm masonry drill bit and an impact drilling machine for the cable to be routed into the building. The position of this hole should be chosen where it is most convenient to route the cable to the modem.



Figure 19



Figure 20

We, the manufacturer, Poynting Antennas, hereby declare under our sole responsibility, that the product: **A-XPOL-0006-10m** to be in compliance with EU RoHS 2 Recast Directive 2011/65/EU.

Poynting Antennas

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Full name of person responsible for product quality accordance with standards on behalf of manufacturer.

Position: Chief Operations Officer

Name: Mark Pierre Haarhoff

Date: 28/04/2015

Place: Centurion, South Africa

Date of first fixing of the CE label: 2015

Signature: