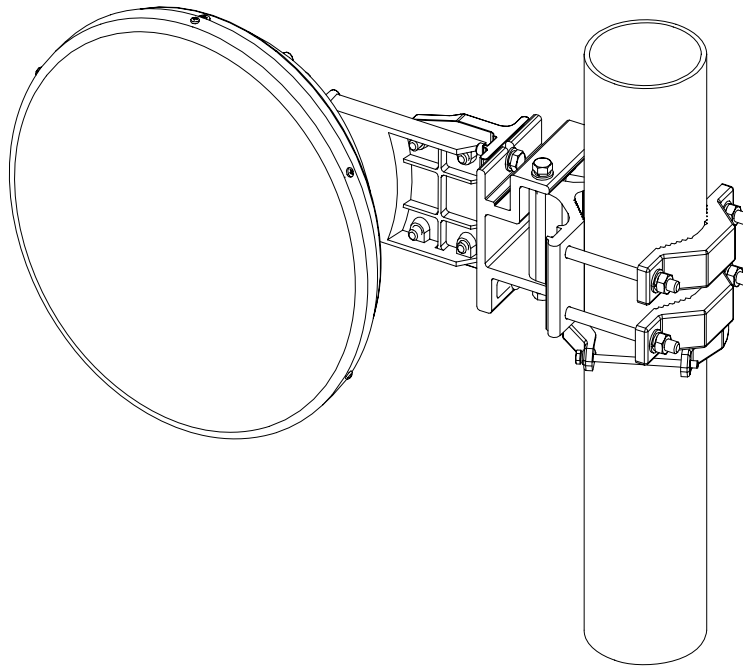


Installation Instructions

For 2 foot / 0.6m Diameter Ultra-high Performance Antenna

Model ADxxG-2-T2



Before Installation, please read the instructions carefully.

- ◆ This instruction book is for the installation of 0.6m ultra-high performance microwave antenna.
- ◆ Installation, maintenance and removal of antenna should be carried out by qualified personnel.
- ◆ To guarantee performance, the antenna system should be inspected once a year by qualified personnel.

CONTENT

1. Installation Preparation.....	1
1.1 Mounting Pole	1
1.2 Tools Required for Installation	1
1.3 Torque Parameters of Standard Parts	1
2. Open the Package and Identify Parts	1
3. Antenna Overall Assembly	2
3.1 Mount Anti-slide Bracket	2
3.2 Antenna installation.....	2
4. Antenna Adjustment.....	3
4.1 Azimuth Adjustment	3
4.2 Elevation Adjustment	4
5. Antenna Assembly Finishing.....	4
6. Mechanical Dimensions.....	5

1. Installation Preparation

1.1 Mounting Pole

The antenna should be attached to a Mounting Pole of diameter from 2 inches (50 mm) to 4.5 inches (114 mm).

1.2 Tools Required for Installation

20x200 Adjustable Spanner (*Used for bolt M10-M12*)

17-19 mm Open-end Spanners (*Used for bolt M10-M12*)

3mm L-Spanner (*Used for Screw M4*)

Cross Screw-driver (*Used for M3-M5*)

Torque Spanner (*Recommended*)

1.3 Torque Parameters of Standard Parts

Please use the following torque specifications when assembling the antenna.

Table of Torque Parameters

NO.	Fastener Size	Torque (N·m)
1	M3	0.6
2	M4	1.3
3	M5	3
4	M6	5
5	M10	28

2. Open the Package and Identify Parts

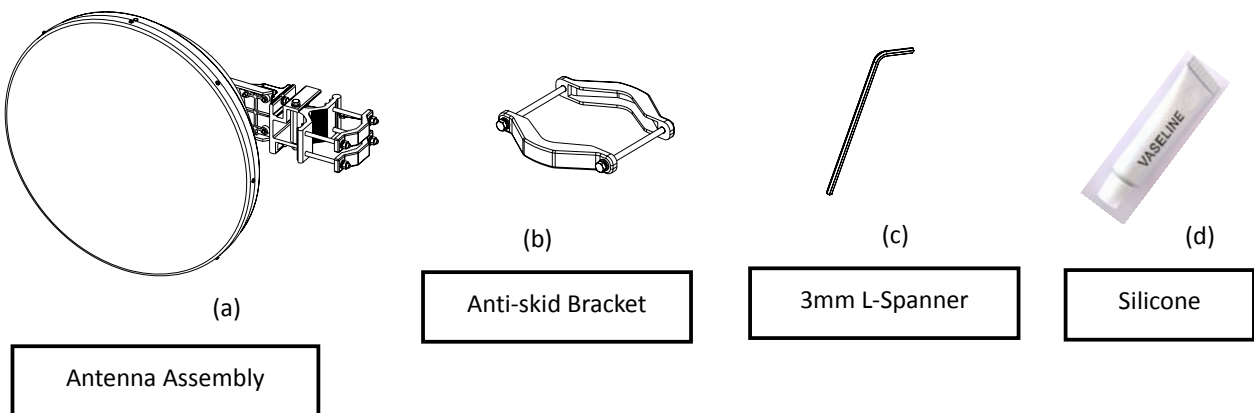


Fig 2.1 Parts

3. Antenna Overall Assembly

3.1 Mount Anti-slide Bracket

Mount anti-slide bracket to the mounting pole as shown in Fig 3.1. Make sure to tighten the two M6x110 bolts after fixing the position.

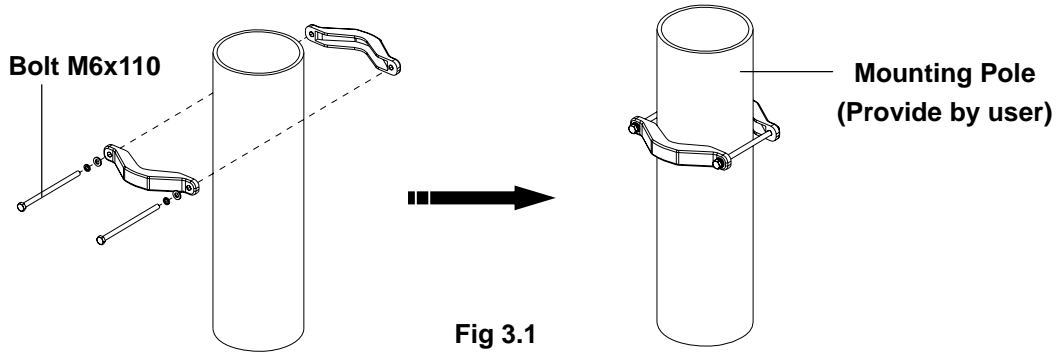


Fig 3.1

3.2 Antenna installation

As shown in Fig. 3.2 ~ 3.3, install the antenna on either the left hand or right hand side of the pole.

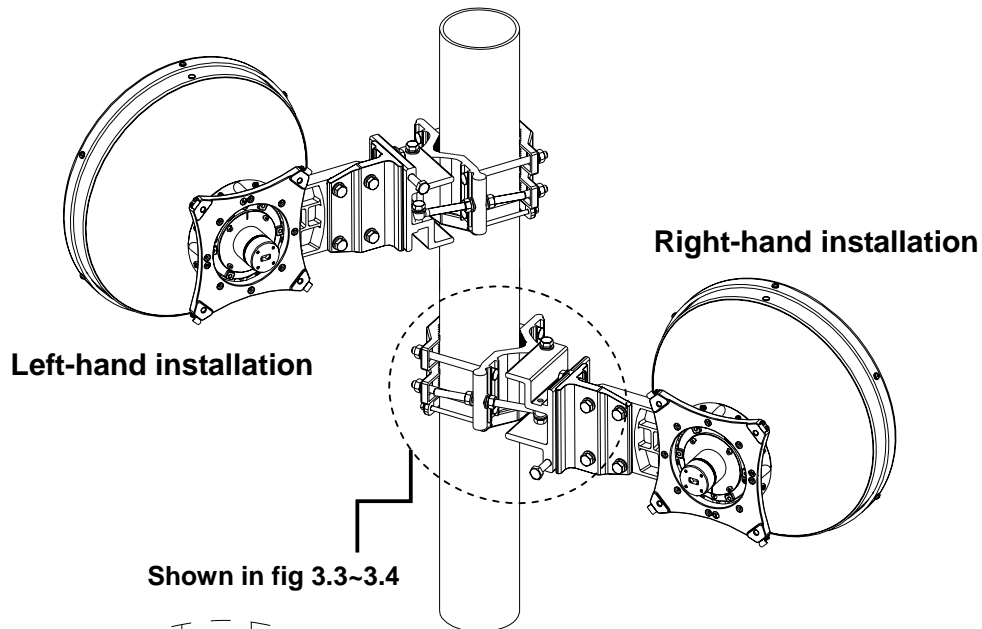


Fig 3.2

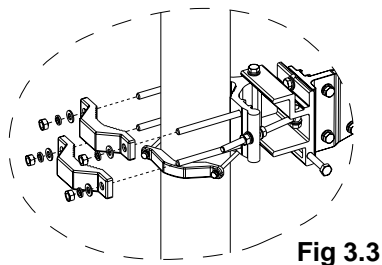


Fig 3.3

Attach antenna to pole using clamps as shown in Fig 3.3 and Fig 3.4.

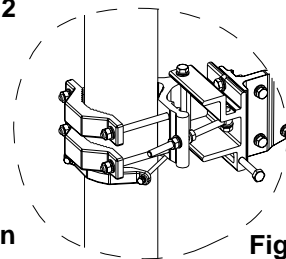


Fig 3.4

4. Antenna Adjustment

4.1 Azimuth Adjustment

To make coarse azimuth adjustment as shown in Fig 4, loosen the 4 nuts (No.1) of the Clamp (No.2), then push the whole structure slowly to make a rotation from 0° to 360° around the Mounting Pole. Use a compass to determine the antenna's position if necessary, and then tighten the nuts (No.1).

To make fine azimuth adjustment, loosen bolts (No. 5 and 6), and then adjust nuts (No.3) of Azimuth Adjustor back and forth slowly. The antenna has a fine azimuth adjustment from -15° to +15°. Tighten all parts after the adjustment is done.

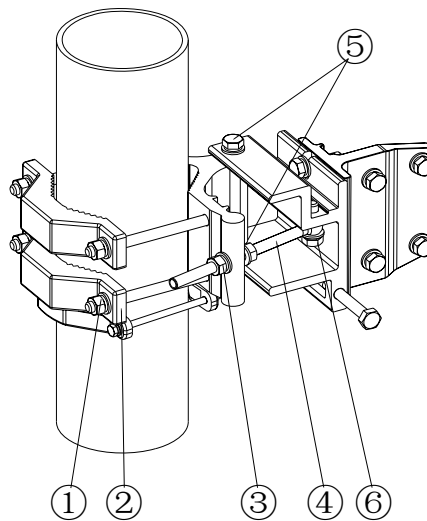


Fig 4.1

①③ Nut M10 ② Clamp (2 pcs) ④ Azimuth Adjustor ⑤⑥ Bolt M10

4.2 Elevation Adjustment

To make fine elevation adjustment (shown in Fig 4.2), loosen the nuts (No.1), and then rotate Elevation Adjustor clockwise or counterclockwise. The antenna has a fine elevation adjustment range of -15° to $+15^{\circ}$. Tighten all the standard parts after the adjustment is done.

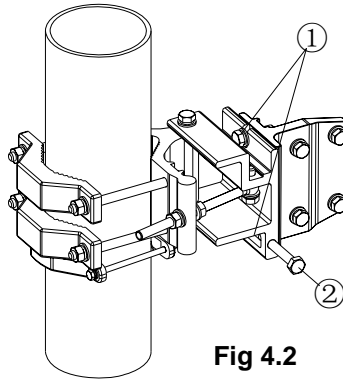


Fig 4.2

① Bolt M10 ② Elevation Adjustor

5. Antenna Assembly Finishing

5.1 Tighten all the standard parts after antenna assembly/alignment is done, following recommended torque specs (refer to the chapter 1.3)

5.2 Keep the antenna's bottom drain-hole open by removing the plug. Keep the top one sealed. (Fig 5.1 and Fig 5.1.1).

5.3 Do not mount the antenna during rainy weather or when thunderstorms are nearby.

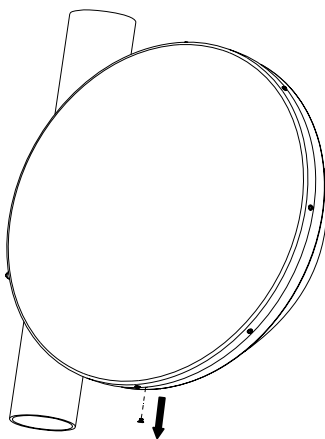


Fig 5.1

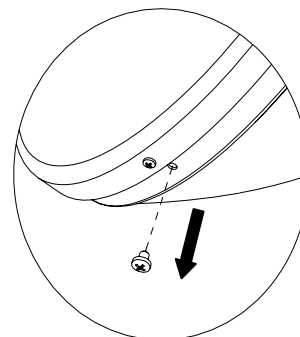
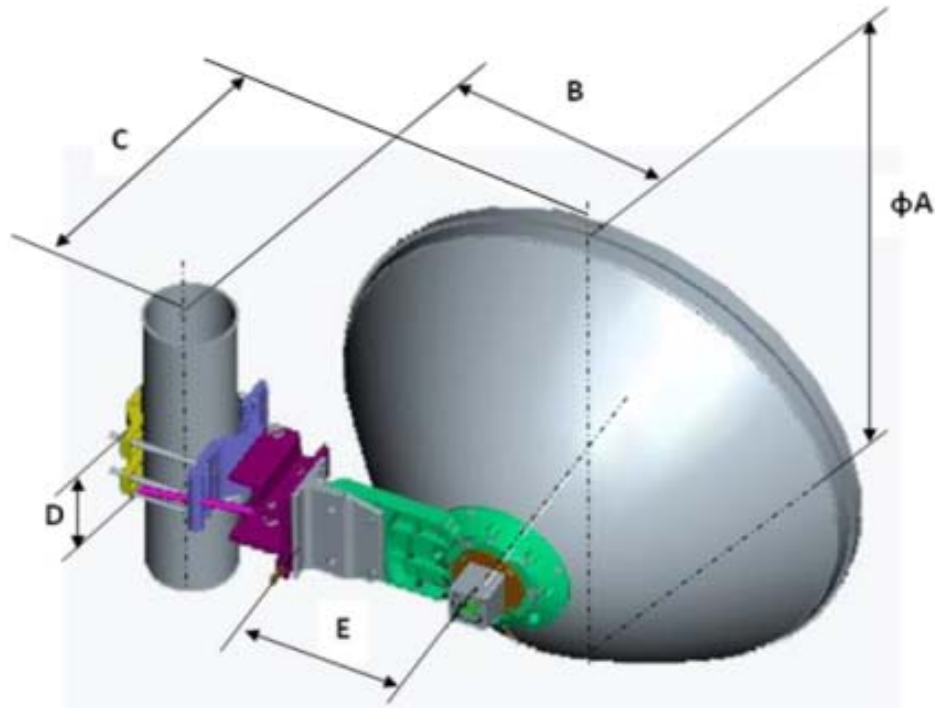


Fig 5.1.1

6. Mechanical Dimensions



Dimensions (in/mm)	A	B	C	D	E
	25.9 / 658	16.2 / 412	10.4 / 265	4.5 / 115	9.1 / 232
Note: All size data above is for a pole diameter of 114 mm.					