

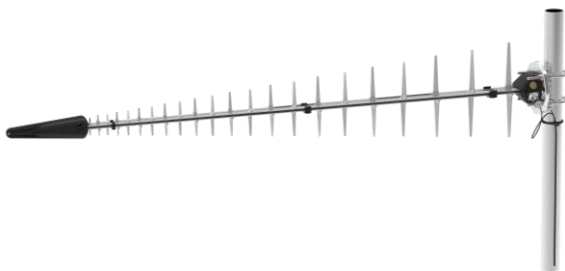
# POYNTING

BEYOND A CONNECTED LIFE

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## LPDA-500

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## User Guide

Revision 1.0



# Index

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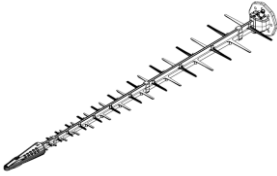
# 1. Packing Check List

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Item	Description	Quantity
1.	A-LPDA-0500 Antenna Only	1
2.	<b>Bracket Kit</b>	1
2.1.	Econo Bracket	2
2.2	U-Bolt (SS) M8 x 65 x 112 mm	2
2.3	M8 Galvanized Washers	4
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# Appearance of components

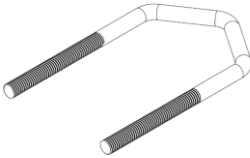
## Antenna Unit



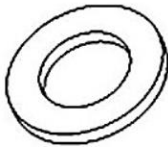
## Econo Bracket



## U-Bolt (SS) M8 x 65 x 112 mm



## M8 Galvanized Washers (SS)



## M8 Nuts (SS)



## 2. Introduction

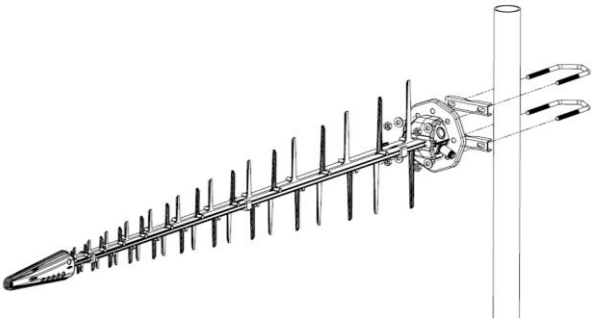
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This User Guide provides information on the installation instructions of the directional antenna (A-LPDA-0500).

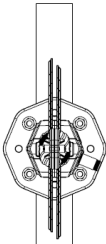
### Antenna Configuration Pole mount with supplied U-Bolts.

**Note:** Pole size 20mm to 65mm.

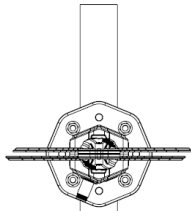
Exploded View



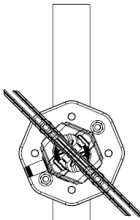
## Mounting orientations of Antenna:



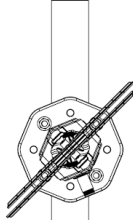
Vertically  
Mounted



Horizontally  
Mounted



-45° Mounted



+45° Mounted

**Note:** Ensure that the connector is facing downwards when mounted in any orientation to minimise the risk of water ingress.

### 3. Antenna Mounting Precautions

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- Place the antenna at the highest point possible and ensure that there are not any surrounding obstructions to the antenna.
- In order to avoid communication interference, ensure that the antenna is placed at least 0.5m away from other antennas and metal objects.
- Avoid installing the antenna near a chimney, as the smoke and soot emitted by the chimney can obstruct the signal level achieved by the antenna.
- Install the antenna away from heat sources and flammable gases.

### 4. Cable Routing

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**Note:**

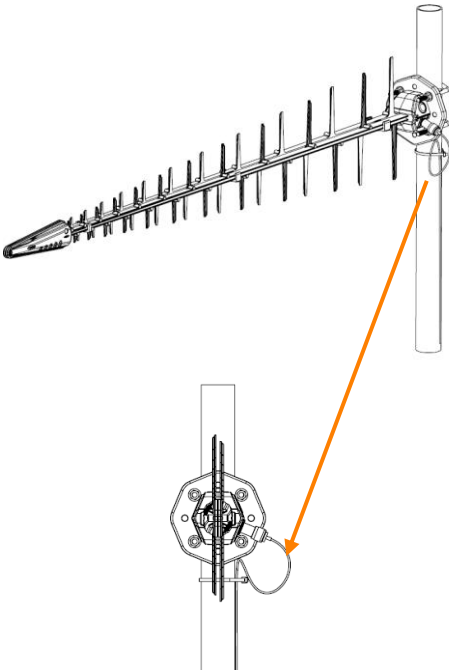
*Ensure that all RF connections made outdoors are adequately waterproofed. Waterproof connector boots are recommended.*

- Survey the planned cable route and look for any blocked passages. Consider alternate routes to find the best available path. Always keep the cables as short as possible to make sure that minimum cable losses are achieved.
- Note: Take advantage of any existing cable channels. e.g., wiring conduits to route the cables.
- Avoid running cables through components or sharp apertures that may cause excessive chafing. Doing so may erode the jacket and break signal continuity. Also, avoid kinking, pinching, or twisting a cable during a run.



- Use cable ties to secure the antenna cables. **When handling the antenna cables, it is essential you follow these basic rules:**
- Never pull on the cable connectors; pull only on the cable.
- Cover connectors with insulation tape before threading them through a hole.
- Tighten the connectors and ensure that the cables don't rattle loose.

### Water Drip Loop:



**Note:** The water drip loop is necessary for preventing water from running down from the antenna along the cable into the house and possibly the connected devices.

## 5. Safety

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- If you are installing an antenna for the first time or unsure about how to install your antenna, obtain the help of a professional installer.
- Carefully survey the installation site before installation to locate secure handholds, dangerous conditions (such as powerlines and weak roofs) and the safest and most convenient placement for ladders if necessary.
- The antenna may not be used as a climbing or pulling device.
- Considerations must be taken when mounting the antenna that people do not hang or pull on it.
- When installing your antenna, remember:
  1. Do not install on a wet or windy day or when there is lightning or thunder in the area.
  2. Wear shoes with rubber soles and heels, protective clothing (long sleeve shirt or jacket) and rubber gloves.
  3. Avoid installation while under the influence of drugs, alcohol or medication.
  4. Make sure that any loose-fitting jewelry or clothing is secured and tie back long hair as they can get caught in moving parts during installation.
  5. If the antenna assembly starts to fall, get away from it and let it fall to avoid harming yourself.
- When drilling remember:
  1. Use safety goggles when drilling the holes.

2. Avoid using bits that are dull, bent or damaged.
3. Be aware of where your fingers are in relation to the drill bit when using the drilling machine.
4. To stop the drilling machine, let the drill chuck come to a complete stop on its own. Do not grasp the chuck in an attempt to stop the drill bit.
5. Avoid awkward hand positions where a sudden slip could cause a hand to move into the drill bit or cutting tool.

**CAUTION:**

Antennas must be installed to provide a separation distance of at least 20cm from all persons so as to comply with SAR (Specific Absorption Rate) RF Exposure requirements.



European Waste Electronic Equipment Directive  
2002/96/EC

Please ensure that old waste, electricals and electronics are recycled.



Directive 2011/65/EU (RoHS 3)

This product is fully compliant with the RoHS 3 directive.

**South Africa**

Unit 4, N1 Industrial Park  
Landmarks Ave  
Samrand, 0157  
South Africa  
Tel: +27 12 657 0050  
info@poynting.tech

**USA**

1804 Owen Court,  
Suite 104, Mansfield,  
TX 76063  
Tel: +1 817 533-8130  
sales-us@poynting.tech

**Europe**

Kronstadler Straße 4,  
81677 München  
Germany  
Tel: +49 89 2080 265 38  
Mob.: +49 176 529 733 50  
sales-europe@poynting.tech