# POYNTING

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# PANL 431

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## User Guide

# Index

**Stay Updated: Access the Latest Installation Resources**

The information in this manual is intended to provide general guidelines for installing your POYNTING antenna. For the most up-to-date and comprehensive mounting and installation instructions, as well as the latest product information, please visit our website: https://poynting.tech/

We recommend checking the website periodically for any updates or revisions to ensure you have the most current information for optimal product performance.
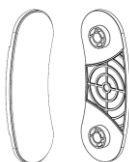
# 1. Packing Check List

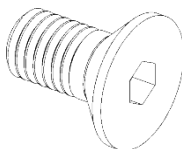| Item | Description | Quantity |
|------|-------------|----------|
| 1. | Antenna Only | 1 |
| 2. | Velcro Mount Assembly (Velcro Strips Attached) | 2 |
| 3. | M6x16mm S/S Countersunk Captive Screw | 4 |
| 4. | Allen Key | 1 |

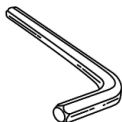# Appearance of Components

**Antenna Unit**

**Velcro Mount Assembly**

**M6x16mm S/S Countersunk Captive screw**

**Allen Key**

# 2. Introduction

This User Guide provides information on the installation instructions for the PANL-431 antenna. It is designed for installation inside a hard case for portable use cases.

The short, low-loss cables make installation easy and flexible, and the antenna is mounted with the supplied Velcro strips.
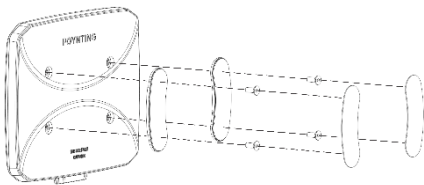
**Note:** The antenna is designed to fit in the lid of a case. Keep in mind that it won't fit in all cases; it is your responsibility to ensure that the antenna can be mounted in the acquired case.

The antenna must not be cluttered on top or very close to other electronic equipment, like batteries.
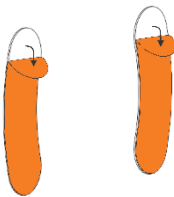
# 3. Antenna Mounting

- The identified location should be as flat as possible, ensuring that the Velcro can stick flat to the surface.

- Thoroughly clean the selected area using an alcohol-based solvent and dry it completely. Cleaning is necessary to ensure good contact with the Velcro to the mounting area. Ensure that there is no debris (such as oil, dirt, dust or water marks) on the selected mounting area.

- Remove the top Velcro strip from the Velcro mount assembly. Please ensure the bottom Velcro strip is still securely adhered.

- Place 2x M6x16mm S/S C/S Captive Screws into the holes of the Velcro Mount Plate and the bottom Velcro strip. Repeat on the second Velcro mount assembly.

- Fasten the Velcro mount plates to the back of the Panel using the Allen Key, in the orientation shown below. The screws should locate into the screw holes on the back of the antenna.



- Once securely tightened, reapply the top Velcro strips to the Velcro mount assembly.

- Remove the adhesive backing on the top Velcro strip, as shown below.



- Ensure the antenna faces vertically, with the cables exiting towards the bottom of the case.

- Carefully position the antenna at the designated mounting location, ensuring

the sticky adhesive side is pressed against the lid surface.

- Press the antenna firmly on the edges. Do not put too much pressure on the antenna's center.

- Route cables in such a way that the case can be opened and closed without placing any strain on the antenna.

- Ensure that the antenna cables do not get pinched, kinked, or twisted when the lid is closed.

- Secure the cables with clips or cable ties and adequately tighten the connectors to the router to avoid disconnections or rattles.

**CAUTION:**
Antennas must be installed to provide a separation distance of at least 20 cm from all persons 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.

CE Directive 2011/65/EU (RoHS 3)
This product is fully compliant with the RoHS 3 directive.

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