

Antenna MAX S

Integrated Antenna Enclosure for Peplink and Starlink



FAQ

Is the Antenna MAX S suitable for me?

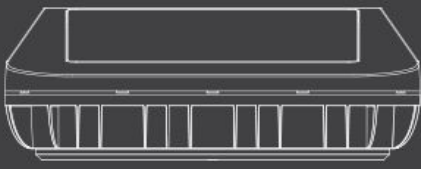
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FAQ - Antenna MAX S

Is the Antenna MAX S suitable for me?



What is the Antenna MAX S?

The Antenna MAX S is a rugged all-in-one antenna enclosure designed to integrate a compatible Peplink router and a Starlink Mini into a single, waterproof housing. It features built-in 4x 5G/LTE, 2x Wi-Fi, and GPS antennas — eliminating the need for external RF cables and drastically reducing signal loss. It supports both PoE input and DC power input for flexible deployment. For PoE input, a PoE splitter may be required. Please refer to the [product datasheet](#) for detailed power options.



Which Peplink devices are compatible with the Antenna MAX S?

Compatible Peplink devices include:

- BR1 Mini
- BR1 Mini Core
- BR1 Mini 5G
- BR1 Mini M2M
- Transit Duo Pro*
- BR1 Pro 5G*
- BR1 Pro (CAT-20)*

**For devices such as the Transit Duo Pro, BR1 Pro 5G (HW1-2), and BR1 Pro (CAT-20), which do not support PoE input, a PoE splitter is required.*

Also some legacy Peplink devices can be also fitted to the Antenna MAX S, this includes

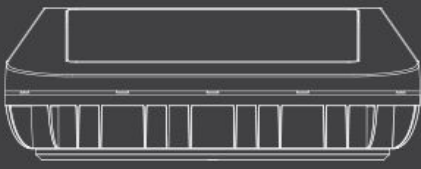
- Transit 5G
- Transit
- Transit Duo
- Transit Core



Why should I choose the Antenna MAX S over traditional antenna solutions?

The Antenna MAX S is engineered for maximum performance and convenience:

- Houses both a compatible Peplink router and Starlink Mini
- Virtually eliminates signal loss by removing RF cables
- Reduces installation time and footprint
- Ideal for mobile and remote deployments



FAQ - Antenna MAX S

Using the Antenna MAX S



What are the mounting options for the Antenna MAX S?

The Antenna MAX S can be easily mounted on mobile equipment and vehicles such as trucks, vans, boats, or other outdoor environments.

- Deck Mount (using Peplink Premium Deck Mounts*):
 - Configuration: ACW-653A (attached to Antenna MAX S) → ACW-651 (middle section) → ACW-653A (attached to fixed surface)**More details about deck mounting can be found [here](#).*
- Pole Mount with the L-mount set
- Wall Mount with the L-mount set
- Surface Mount with the double-sided 3M adhesive pad

A full installation guide is available in the [Antenna MAX S datasheet](#).

**Peplink Premium Deck Mounts are not included in the package contents.*



What is the maximum cable length for the Antenna MAX S?

The Antenna MAX S uses short RF cables to connect to the router inside its enclosure. An Ethernet cable is then connected to the router, providing both data and power via PoE. The Ethernet cable can extend up to 100 meters, offering flexibility in installation.



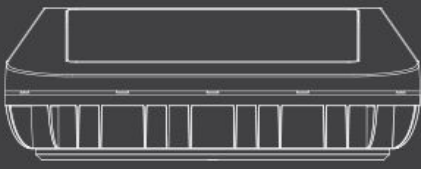
Can I use the Antenna MAX S as a standalone device?

No. The Antenna MAX S is neither a router nor a traditional antenna like the Mobility or Maritime antenna series. It is designed to house selected Peplink routers and a Starlink Mini, enhancing their connectivity through built-in antenna elements.



What connectors are used for the Antenna MAX S?

- SMA male for Cellular and GPS
- RP-SMA male for Wi-Fi



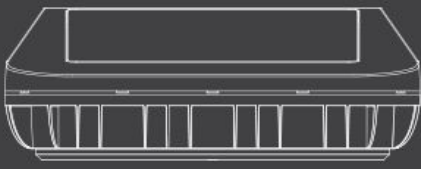
FAQ - Antenna MAX S



What is the environmental compliance of the Antenna MAX S?

The Antenna MAX S is a robust device built to withstand harsh environmental conditions. Key compliance and durability features include:

- **IP67 Rating:** Complete protection against dust ingress and immersion in water up to 1 meter for 30 minutes
- **Wide Operating Temperature Range:** Operates effectively from -40°C to 80°C (-40°F to 176°F)
- **Environmental Standards Compliance:**
 - **RoHS:** Restricts use of hazardous materials in electronics
 - **REACH:** Addresses safe use of chemical substances
 - **WEEE:** Ensures proper disposal and recycling of electronic waste
- **Enclosure Flammability:** Rated UL 94 V-0 at 1.47 mm thickness (self-extinguishes within 10 seconds without dripping)
- **UV Resistance:** Certified under UL 746C (F1, long-term UV exposure)
- **Salt Spray Resistance:** Compliant with MIL-STD 810F and ASTM B117 for durability in corrosive environments



FAQ - Antenna MAX S

What is included with the Antenna MAX S?



What is included in the Antenna MAX S package?

The package includes:

- Antenna MAX S
- L-mount set
- Power supply / splitter mounting set
- Router fixation screws
- 3x M25 cable glands
- 1x M25 hole plug
- 2x RJ45 glands
- 2x RJ45 caps
- 2x Hole plugs
- 1x DC cable connector
- 1x Starlink power cable (35.4" / 900 mm)
- 1x Starlink Ethernet cable (35.4" / 900 mm)
- 1x Double-sided 3M adhesive pad
- 1x Ethernet cable (7.87" / 200 mm)
- 1x DC cable (3.93" / 100 mm):



Is a warranty included with the Antenna MAX S?

Yes, the Antenna MAX S comes with a 1-year warranty.



Are there any recommendations for installing the Antenna MAX S?

Yes, installation recommendations are provided in the [product datasheet](#).