

Antenna MAX



FAQ

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FAQ - Antenna MAX

Is the Antenna MAX suitable for me?



What is the Antenna MAX?

The Antenna MAX is an antenna featuring additional space to house a router within its enclosure. The router is securely protected from water and dust with an IP67-rated enclosure. The antenna integrates 4x 5G/LTE, 2x Wi-Fi, and GPS antennas. With short cables, it minimizes cable loss and ensures optimal performance.



What devices are compatible with the Antenna MAX?

Compatible devices include:

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

** For devices such as the Transit Duo Pro, BR1 Pro 5G, BR1 Pro (CAT-20), which do not support PoE In, a PoE Splitter is required.*



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

The primary purpose of the Antenna MAX is to minimize antenna cable loss in the whole network design. By housing the router directly within the antenna enclosure, you can retain maximum signal gain. The Antenna MAX connects to the rest of your network via an Ethernet cable, achieving up to 7.4 dB gain by removing RF cables from the setup.



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Using the Antenna MAX



What are the mount options for Antenna MAX?

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

- Deck Mount with the Peplink Premium Deck Mounts* (ACW-651, ACW-653)
- 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 datasheet](#).

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



What is the maximum cable length for the Antenna MAX?

The Antenna MAX 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, ensuring flexibility in installation.



Can I use the Antenna MAX as a standalone device?

No. The Antenna MAX is neither a router nor a traditional antenna like the Mobility or Maritime Antenna Series. It is designed to house selected Peplink routers and enhance their connectivity using the Antenna MAX's built-in antenna elements.



What connectors are used for the Antenna MAX?

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



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What is the Environmental Compliance of the Antenna MAX?

The Antenna MAX is a robust device designed to withstand harsh environmental conditions. Its key features include:

- **IP67 Rating:** Provides complete protection against dust ingress and immersion in water up to 1 meter deep for 30 minutes.
- **Wide Operating Temperature Range:** Operates effectively between -40°C to 80°C (-40°F to 176°F), making it suitable for extreme climates.
- **Compliance with Environmental Standards:**
 - **RoHS:** Restricts the use of specific hazardous materials in electrical and electronic equipment.
 - **REACH:** Ensures safety by addressing the production and use of chemical substances, protecting human health and the environment.
 - **WEEE:** Mandates the proper disposal and recycling of electronic waste.
- **Enclosure Flammability:** Rated UL 94 V-0 at 1.47 mm thickness, indicating that the material stops burning within 10 seconds without dripping.
- **UV Resistance:** Certified under UL 746C (F1 long-term UV exposure), ensuring durability against prolonged ultraviolet light exposure.
- **Salt Spray Resistance:** Tested in accordance with MIL-STD 810F and ASTM B117 standards, demonstrating resilience to corrosive salt environments.



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What is included with the Antenna MAX?



What is included in the Antenna MAX package?

The package includes the following:

- Antenna MAX
- L-Mount set
- Double-sided 3M adhesive pad
- 3x Cable glands
- 2x Hole plugs
- Screws for router fixation



Is a warranty included with the Antenna MAX?

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



Are there any recommendations for installing the Antenna MAX?

Yes. Our [datasheet](#) provides some installation recommendations.