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> WAVLINK AX1800 Outdoor WiFi 6 Extender Long Range, IP67 WiFi 6 Outdoor Access Point, Active PoE, 4x8dBi Antennas, Work with Starlink/Cameras/Router, Up to 128 Devices for Farm, Yard, RV, Campsite, Park

WAVLINK WL-WN573HX1-B

WAVLINK AX1800 Outdoor WiFi 6 Extender Instruction Manual

Model: WL-WN573HX1-B

1. SETUP

1.1. Unboxing and Package Contents

Carefully unpack all items from the box. Ensure all components are present before proceeding with installation.

- 1 x Wi-Fi6 Outdoor Mesh Router/AP/Repeater
- 4 x Omni Antennas
- 4 x Cable Ties
- 1 x Ethernet Cable Connectors
- 1 x Quick Installation Guide
- 1 x Wrench
- 2 x Silicone Pads
- Several Screws
- Optional PoE: 1 x 54V Power Adapter, 1 x PoE Converter, 1 x Ethernet Cable



Image: All components included in the WAVLINK AX1800 Outdoor WiFi 6 Extender package.

Video: This video demonstrates the unboxing process and initial setup steps for the WAVLINK AX1800 Outdoor WiFi 6 Extender, including a network speed test.

Video: An overview of the key features and functionalities of the WAVLINK outdoor WiFi extender.

1.2. Hardware Assembly

1. Install the four omni-directional antennas by screwing them into the corresponding ports on the device. Ensure they are securely tightened.
2. Pass the RJ45 Ethernet cable through the waterproof connector cover. Connect the cable to the WAN/LAN port of the device. Screw the waterproof connector bracket firmly to ensure a secure and weather-resistant seal.

Power over Ethernet

Supports active & passive PoE, can be flexibly deployed according to your needs

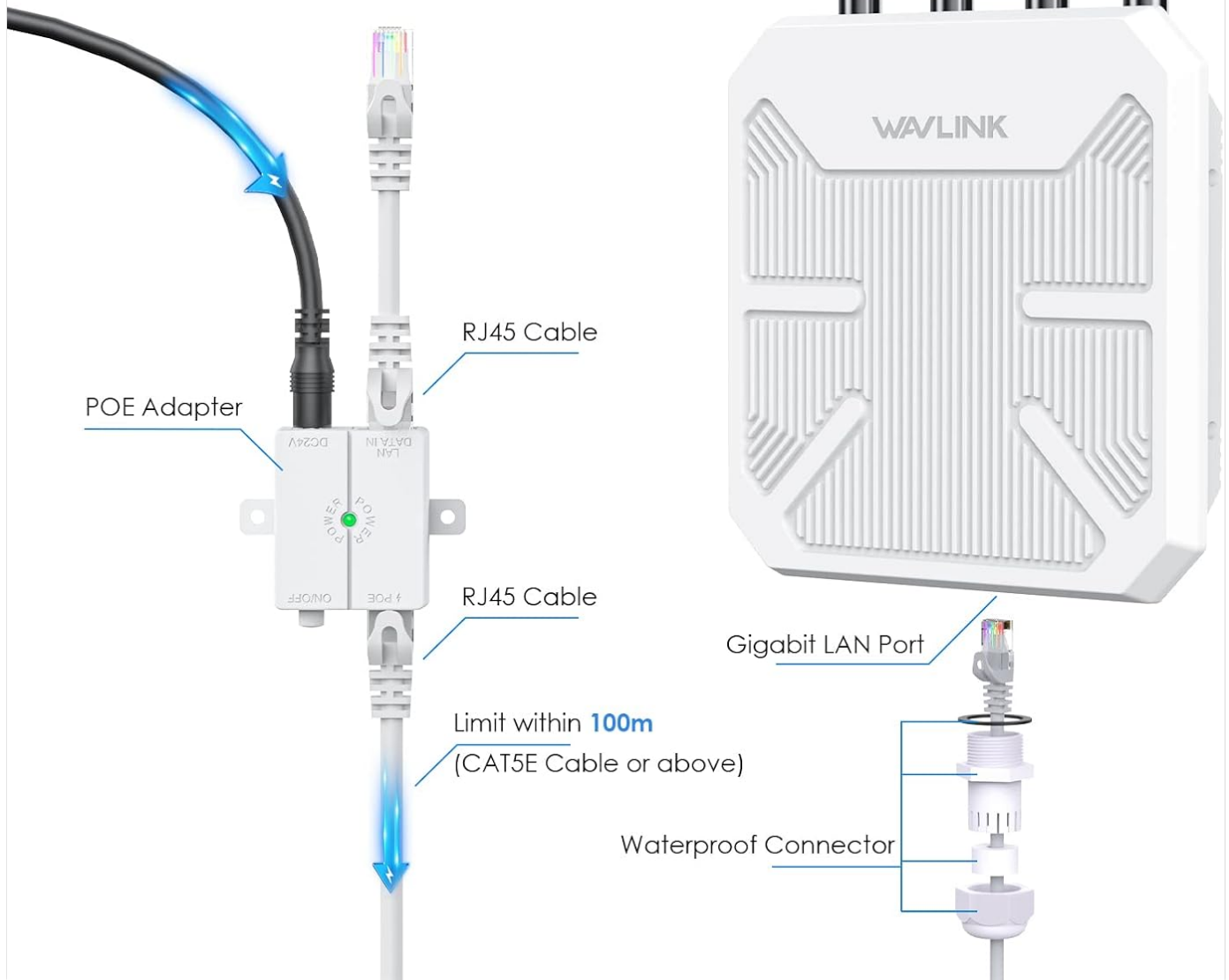


Image: Diagram illustrating the Power over Ethernet (PoE) connection for the WAVLINK AX1800 Extender.

1.3. Mounting Options

The device can be mounted on a pole or wall. Use the provided silicone pads on the bracket and pole/wall surface to prevent slippage and protect surfaces. Thread the cable ties through the fixing points of the bracket and secure the device to the pole or wall. Ensure the device is mounted in a location that provides optimal signal coverage and is protected from direct impact.

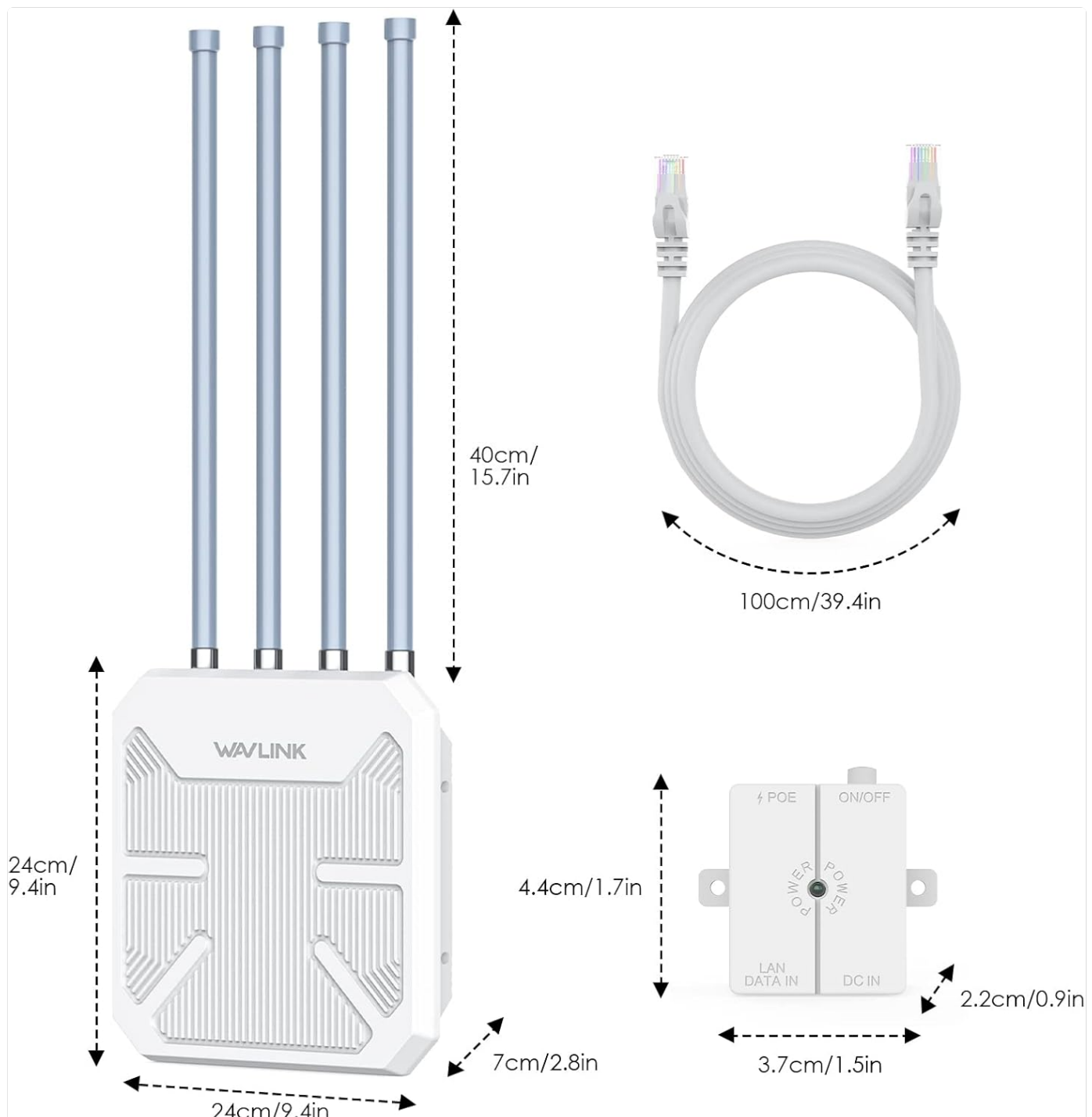


Image: Detailed steps for physically installing the WAVLINK AX1800 Extender, including pole mounting.

Video: Step-by-step guide on how to install the WAVLINK Outdoor Access Point.

2. OPERATING MODES

The WAVLINK AX1800 Extender supports multiple operating modes to suit various network requirements:

- **AP Mode:** Converts a wired connection into a wireless network.
- **Router Mode:** Functions as a primary router, providing internet access to connected devices.
- **Repeater Mode:** Extends the coverage of an existing Wi-Fi network.
- **Mesh Mode:** Creates a seamless Wi-Fi network with a single SSID when paired with other WAVLINK Mesh series products.

Mesh Technology Supported

Enjoy seamless and stable roaming everywhere

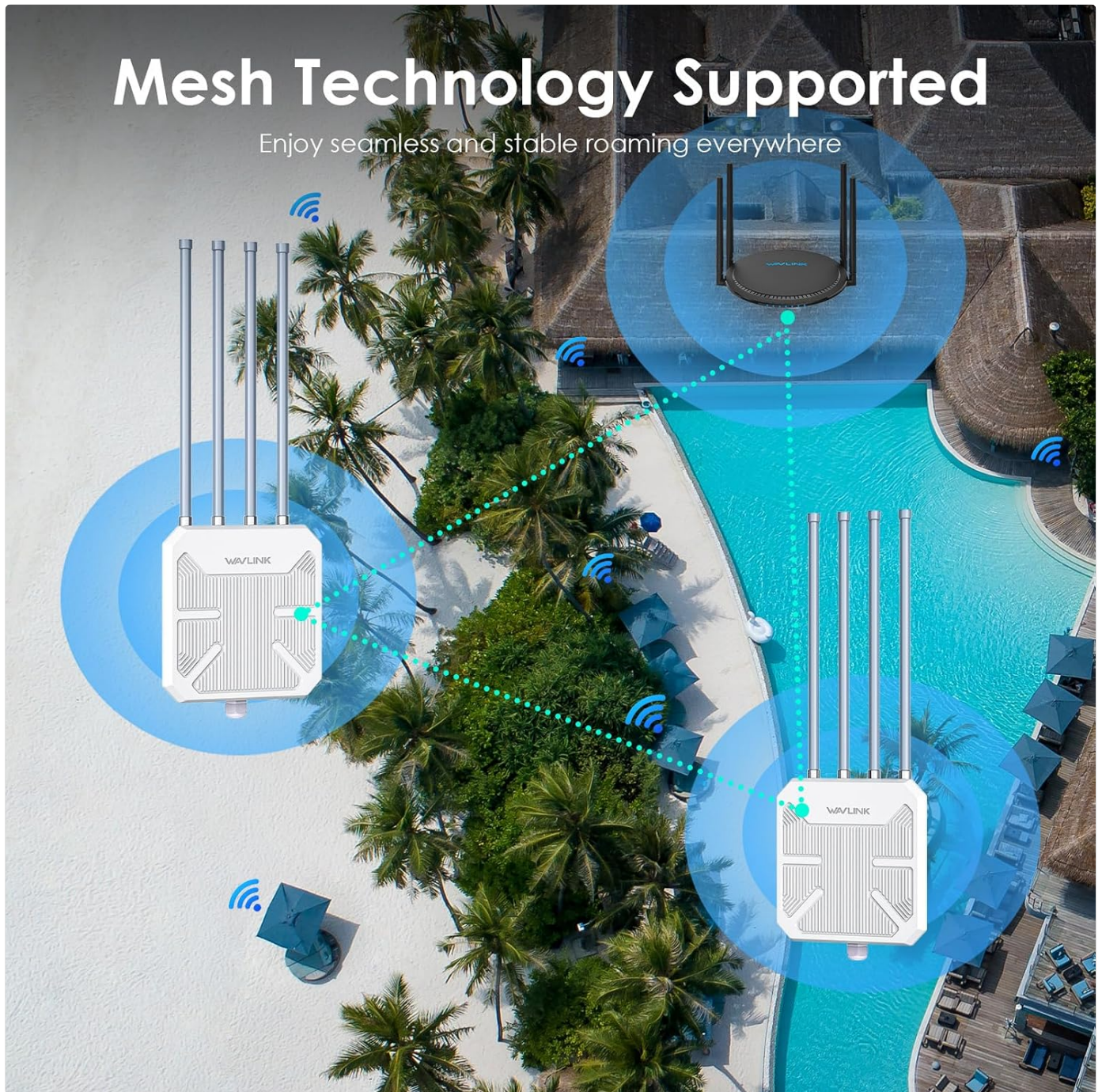


Image: Illustration of Mesh Technology supported by the WAVLINK AX1800 Extender for seamless roaming.



Image: Visual representation of the three working modes: Starlink/Repeater/Router/Access Point.

3. OPERATING ENVIRONMENT AND DURABILITY

The WAVLINK AX1800 Extender is designed for robust outdoor performance:

- **IP67 Waterproof Enclosure:** Provides protection against dust and water ingress, making it suitable for various weather conditions.
- **15kV ESD Protection:** Safeguards the device against electrostatic discharge.
- **6kV Lightning Protection:** Offers protection from lightning strikes.
- **Operating Temperature:** -20°C to 50°C (-4°F to 122°F)
- **Storage Temperature:** -30°C to 70°C (-22°F to 158°F)
- **Operating Humidity:** 10% to 90% RH non-condensing
- **Storage Humidity:** 10% to 90% RH non-condensing

IP67 weatherproof design,
no fear of extreme bad weather.



Image: The IP67 weatherproof design ensures the device can withstand extreme weather conditions.

4. NETWORK CONFIGURATION

To configure the WAVLINK AX1800 Extender, connect your computer or mobile device to its Wi-Fi signal (e.g., WAVLINK-AX_5G_XXXX or WAVLINK-AX_XXXX). Open a web browser and enter **<http://waplogin.link>** or the default IP address (usually 192.168.10.1) in the address bar.

Follow the on-screen prompts to select your country/region, time zone, and set a new login password. You will then be able to choose your desired operating mode (Repeater, AP, Router, or Mesh) and configure the Wi-Fi network name (SSID) and password. For enhanced security, it is recommended to use WPA2/WPA3-MIX encryption.

5. MAINTENANCE

To ensure optimal performance and longevity of your WAVLINK AX1800 Extender, regular maintenance is recommended:

- **Cleaning:** Periodically clean the device's exterior with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.
- **Connection Check:** Regularly inspect all cable connections, especially the waterproof RJ45 connector, to ensure they are secure and free from damage.
- **Firmware Updates:** Check the WAVLINK official website periodically for firmware updates. Keeping the firmware up-to-date ensures you have the latest features, security patches, and performance improvements.
- **Environmental Inspection:** Ensure the mounting location remains clear of obstructions and that the device is not exposed to extreme physical stress or prolonged submersion beyond its IP67 rating.

6. TROUBLESHOOTING

If you encounter issues with your WAVLINK AX1800 Extender, try the following troubleshooting steps:

- **No Power:** Ensure the PoE converter is properly connected to a power outlet and the Ethernet cable is securely plugged into the device. Check the power indicator light on the PoE converter.
- **No Internet Access:** Verify that your main router has internet connectivity. In Repeater or AP mode, ensure the extender is successfully connected to your main router's Wi-Fi or LAN port. Check the status indicator lights on the extender.
- **Weak Signal/Poor Performance:** Relocate the extender to a more central position between your router and the desired coverage area. Ensure there are no major physical obstructions (thick walls, metal objects) blocking the signal path. Adjust antenna orientation for better reception.
- **Cannot Access Web Interface:** Ensure your device is connected to the extender's Wi-Fi or via an Ethernet cable. Try clearing your browser's cache or using a different browser. If the issue persists, perform a factory reset.
- **Factory Reset:** To restore the device to factory default settings, press and hold the Reset button (usually located near the Ethernet port) for approximately 5-10 seconds until the indicator lights flash. Note that this will erase all your custom settings.

7. SPECIFICATIONS

Feature	Detail
Package Dimensions	17.6 x 13.15 x 3.62 inches
Item Weight	5.21 pounds
Manufacturer	Winstars Technology Limited WAVLINK
ASIN	B0DJX4RPHZ
Country of Origin	China

Item Model Number	WL-WN573HX1-B
Wireless Communication Standard	802.11ax
Data Transfer Rate	1800 Megabits Per Second
Frequency Band Class	Dual-Band
Special Feature	Weatherproof, Access Point Mode, Detachable Antenna, Power Over Internet, WiFi Mesh

8. SUPPORT & WARRANTY

For technical assistance or support, please contact WAVLINK directly:

- **Phone Support:** +18889730883 (UTC-5) Mon - Fri 9AM - 6PM
- **Email Support:** Contact@wavlink.com

WAVLINK provides life-long technical support for this product. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact WAVLINK support directly.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question