BrosTrend AC1200 Outdoor WiFi Extender Booster

BrosTrend AC1200 Outdoor WiFi Extender Instruction Manual

Model: AC1200 Outdoor WiFi Extender Booster

Brand: BrosTrend

1. PRODUCT OVERVIEW

The BrosTrend AC1200 Outdoor WiFi Extender is designed to extend wireless network coverage to outdoor areas, providing stable and fast internet access. It features dual-band WiFi, Power over Ethernet (PoE) capability, and a robust, weatherproof design.

Key Features:

- **Reliable Outdoor WiFi:** IP65-rated waterproof and dustproof housing with 6kV lightning protection and 8kV ESD protection for stable performance in various weather conditions.
- **Extended WiFi Coverage:** Transmits a strong signal up to 656 feet (200 meters) away, ideal for gardens, yards, decks, and other outdoor spaces.
- **AC1200 Dual-Band WiFi:** Delivers speeds up to 867 Mbps (5 GHz) and 300 Mbps (2.4 GHz) for smooth streaming, video calls, and remote work.
- **Enhanced Signal Coverage:** Equipped with two adjustable 5dBi omni-directional antennas and Beamforming technology for stronger, more reliable connections.
- **PoE-Powered Flexibility:** Powered via a single Ethernet cable, eliminating the need for a nearby power outlet. Includes a Passive PoE Injector (for indoor use only) and supports cable lengths up to 164 feet (50 meters).

Image: The BrosTrend AC1200 Outdoor WiFi Extender is shown mounted outdoors in the rain, emphasizing its IP65 waterproof and dustproof rating, along with 6kV lightning protection and 8kV ESD protection.

Extend Your WiFi Outdoors

The AC1200 outdoor WiFi extender wirelessly connects to your main router and extends fast, reliable WiFi to your garden, yard, deck, or poolside area. With dual-band speeds of up to 867 Mbps on 5 GHz and 300 Mbps on 2.4 GHz, it's perfect for smooth streaming, video calls, and browsing social media outdoors.
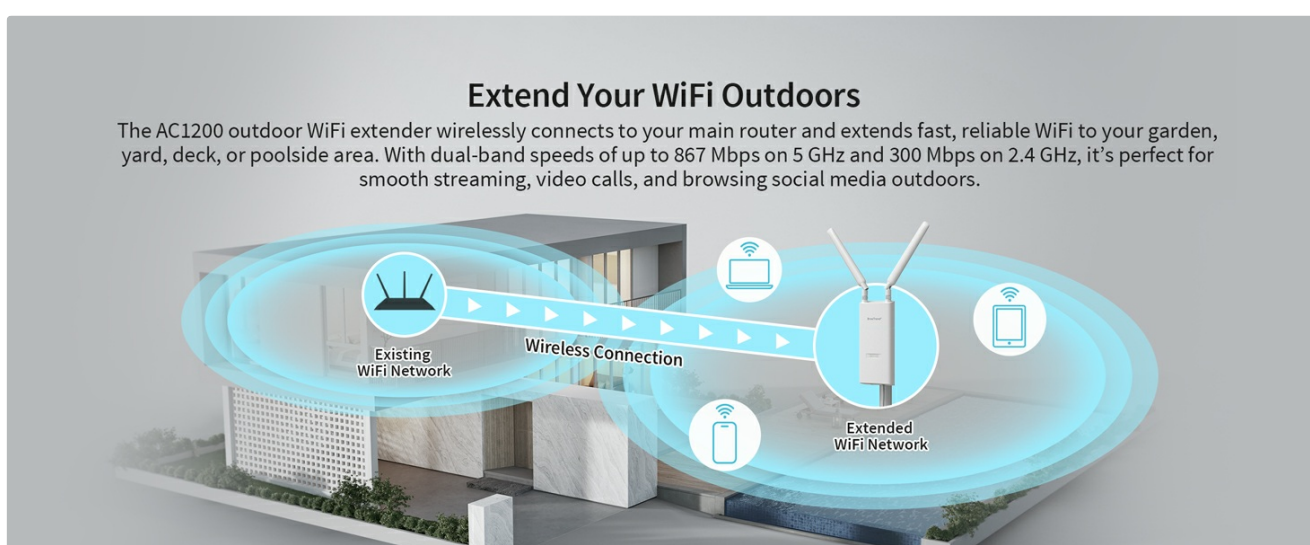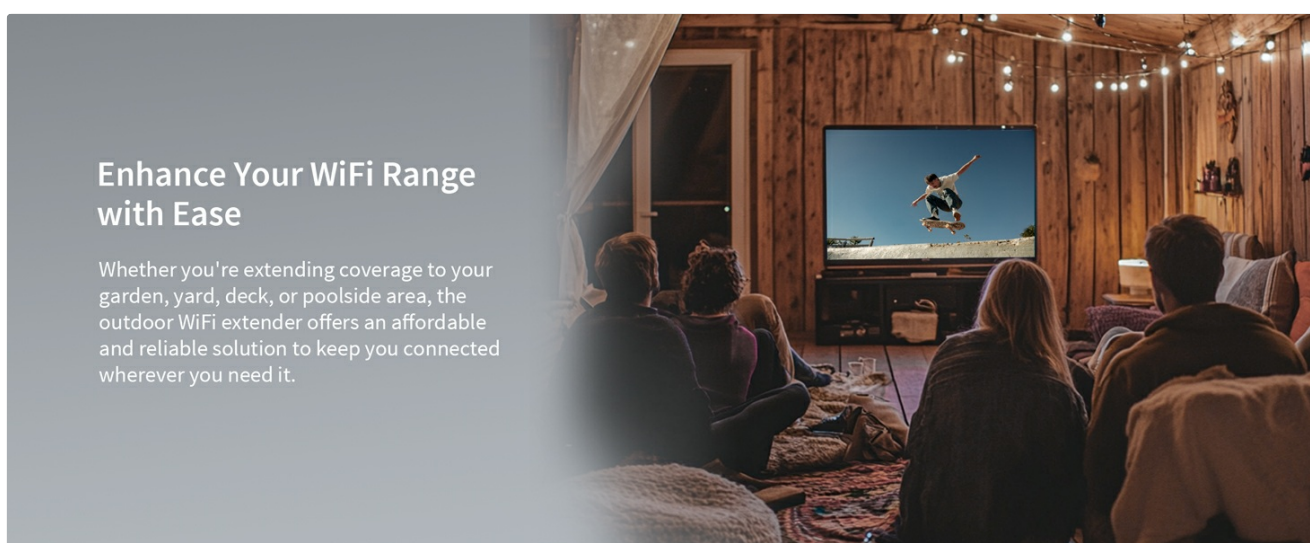

Image: Individuals are shown enjoying WiFi outdoors, with graphics indicating the BrosTrend AC1200 Extender provides speeds of 867 Mbps on 5 GHz and 300 Mbps on 2.4 GHz.

What's Included:

Enhance Your WiFi Range with Ease

Whether you're extending coverage to your garden, yard, deck, or poolside area, the outdoor WiFi extender offers an affordable and reliable solution to keep you connected wherever you need it.

Image: A flat lay of all components included in the BrosTrend AC1200 Outdoor WiFi Extender package, such as the extender unit, two detachable antennas, a Gigabit Passive PoE Injector, power cord, outdoor PoE Ethernet cable, cable ties, grounding screw, anti-theft screw, screws, plastic anchors, and a Quick Installation Guide.

- 1 x AC1200 Long-Range Outdoor WiFi Extender
- 1 x Gigabit Passive PoE Injector
- 2 x Detachable Waterproof Antennas
- 2 x Waterproof Rubber Gaskets (Pre-attached to the extender)
- 1 x Detachable Wall-mounting Bracket (Pre-attached to the extender)
- 1 x Power Cord
- 1 x Outdoor PoE Ethernet Cable
- 2 x Cable Ties
- 1 x Grounding Screw
- 1 x Anti-theft Screw
- 4 x Screws
- 4 x Plastic Anchors
- 1 x Quick Installation Guide

2. SETUP INSTRUCTIONS

2.1. Install Antennas

1. Remove the black plastic caps from the antenna connectors on the extender. Ensure the white rubber gaskets remain in place as they are essential for waterproof performance.
2. Attach the two detachable 5dBi omni-directional antennas firmly to the connectors by screwing them clockwise until secure.
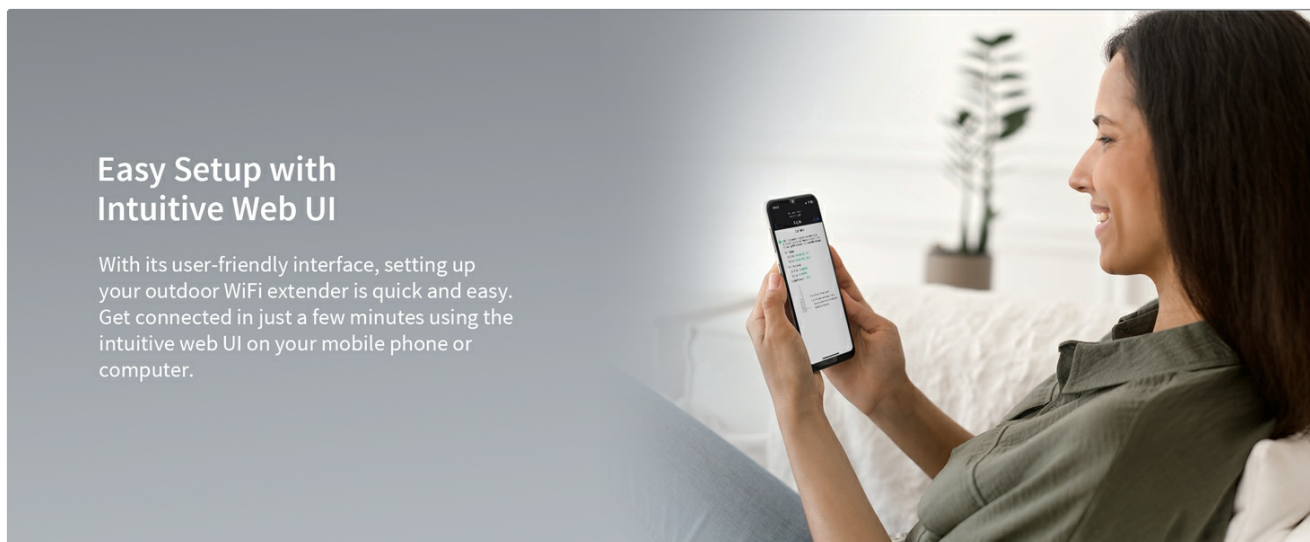
Image: The BrosTrend AC1200 Outdoor WiFi Extender with its two antennas fully attached, ready for deployment.

2.2. Powering the Extender with PoE

1. Open the bottom cover of the extender to reveal the ports.

2. Connect one end of the provided outdoor PoE Ethernet cable to the PoE/LAN port on the extender.

3. Connect the other end of the outdoor PoE Ethernet cable to the Passive PoE 1000 Mbps port on the Passive PoE Injector (for indoor use only). Ensure the Ethernet cable length does not exceed 164 feet (50 meters) for optimal performance.

4. Connect the provided power cord to the Power Input port of the PoE Injector.

5. Plug the other end of the power cord into an electrical socket.
6. Once powered on, the extender's LED indicator will blink slowly in orange.

Image: A visual guide demonstrating the Power over Ethernet (PoE) connection. The extender's PoE/LAN port is connected to the PoE injector via an Ethernet cable, and the injector is powered by a standard electrical outlet.

2.3. Initial Configuration (Web Management Page)

For initial setup, place the outdoor WiFi extender in the same room as your WiFi router.

1. Connect your wireless device (smartphone, laptop) to the WiFi network of the extender. The default SSIDs are **BrosTrend_EXT** (for 2.4 GHz) or **BrosTrend_5GEXT** (for 5 GHz).
2. The web management page should pop up automatically. If not, open a web browser and manually enter the login address: http://brostrendwifi.com (or the IP address found in the Quick Installation Guide).
3. Enter the default login username and password, which is **admin** for both. Click Login.
4. Choose **Extender Mode** to boost your WiFi range, then click Next.
5. The extender will scan for available WiFi networks. Select the existing networks you want to extend and enter the correct password for your main WiFi.
6. Customize the extended WiFi names and passwords. By default, they use the same password as your main WiFi.
7. Set a new login password for the extender and save it for future access. Then click Extend.
8. Wait approximately 1 minute for the configuration to complete.

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Video: This official BrosTrend video provides a step-by-step setup guide for the AC1200 Outdoor WiFi Extender, demonstrating antenna installation, power connection via PoE, and configuration through the web management interface.

3. OPERATING MODES

The BrosTrend AC1200 Outdoor WiFi Extender supports two main operating modes:

3.1. WiFi Range Extender Mode

In this mode, the extender wirelessly connects to your existing WiFi router and re-broadcasts the signal, extending its coverage. This is ideal for eliminating WiFi dead zones in outdoor areas like gardens, yards, and pools.

3.2. Wireless Access Point Mode

In Access Point (AP) mode, the extender connects to your existing router via an Ethernet cable and creates a new WiFi network. This mode is recommended for optimal signal quality and coverage, especially when a wired connection to the main router is feasible.

Stable, Long-Range Connection

The outdoor WiFi extender features dedicated amplifiers for both the 2.4 GHz and 5 GHz bands, boosting signal strength and extending coverage up to 656 feet. Enjoy reliable, long-range WiFi across your outdoor areas.
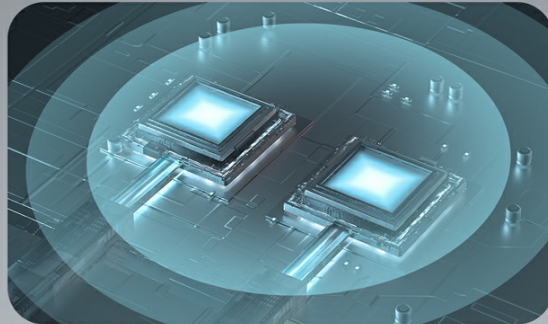
Image: A comparison table highlighting the features of the BrosTrend AC1200 Outdoor WiFi Extender, including supported modes (Standalone WiFi Extender, AP Mode), WiFi speed, antenna gain, Wi-Fi range, heat dissipation, and lightning protection, compared to other AC1200 Outdoor Mesh APs.

4. Maintenance and Care

4.1. Weather Resistance

The BrosTrend AC1200 Extender is designed for outdoor use with an IP65-rated waterproof and dustproof housing. It also includes 6kV lightning protection and 8kV ESD protection, ensuring durability in various environmental conditions. It can withstand temperatures from -22°F to 122°F (-30°C to 50°C).

4.2. Cable Recommendations

For outdoor installations, it is recommended to use qualified Cat5e or higher outdoor PoE-compatible Ethernet cables. These cables should be waterproof, shielded, UV-resistant, and capable of withstanding both high and low temperatures to ensure long-term performance and protection.

4.3. Grounding

To protect the extender from overvoltage and overcurrent caused by indirect lightning strikes and electrostatic discharge (ESD), it is recommended to connect the GND terminal of the extender to a grounding terminal connected to the earth or building.

5. Troubleshooting and Optimal Placement

5.1. Signal Indicator Meanings

The built-in signal light on the extender helps determine optimal placement:

- **Solid Green:** Strong signal, ideal location. The extender is in a proper position and receiving a strong signal from your router.
- **Solid Orange:** Weak signal. The extender is receiving a weak signal from your router. Please relocate it closer to your router for better performance.
- **Blinking Orange Slowly:** No signal. The extender is powered on, but setup is not complete or it fails to

receive any signal from your router. Please relocate it closer to your router or set it up again.

WiFi Standards	IEEE 802.11 a/b/g/n/ac
Frequency and Bandwidth	5 GHz & 2.4 GHz, 20/40/80 MHz Channels
WiFi Speed	Up to 867 Mbps on 5 GHz, 300 Mbps on 2.4 GHz
Transmission Power	23 dBm
Wireless Security	WPA-PSK, WPA2-PSK, Mixed WPA-PSK/WPA2-PSK
Interfaces	1 x PoE Ethernet Port (Gigabit), 1 x Grounding Terminal, 1 x Reset Button, 1 x Signal Strength LED Indicator
Antenna	2 x 5 dBi Detachable High-gain Omni-directional Antennas, Adjustable Angle: Horizontal 0° to 360°, Vertical 0° to 90°
Power Consumption	11.5 W
Power Supply Methods	24V 0.5A Passive PoE (Power over Ethernet), with PoE Injector Included
Maximum Ethernet Cable Length via Passive PoE	164 Feet via Cat5e or Higher Power over Ethernet Cable
Waterproof Level	IP65
Lightning Protection	6kV Lightning Protection, 8kV ESD Protection
Operating Temperature	-22°F to 122°F
Deployment	Pole/Wall Mounting

Image: An illustration detailing the meaning of the signal indicator lights on the BrosTrend AC1200 Extender: Solid Green indicates a strong signal and ideal location, Solid Orange indicates a weak signal requiring relocation closer to the router, and Blinking Orange indicates no signal, suggesting relocation or re-setup.

5.2. Optimal Placement Tips

To achieve the best WiFi coverage:

- Mount the extender at least 6.6 feet (2 meters) above the ground.
- Place the extender within your router's WiFi coverage area.
- Ideally, position the extender halfway between your router and the WiFi dead zone.
- Avoid placing the extender too close to your router, as this may result in limited WiFi coverage in outdoor areas.
- Avoid placing the extender too far away from your router, as this may result in weak or no WiFi signal.

WPA2 Encryption for Peace of Mind

With WPA2 encryption, your network stays secure. Connect multiple devices—like outdoor cameras—with confidence, keeping your home protected and your data safe.
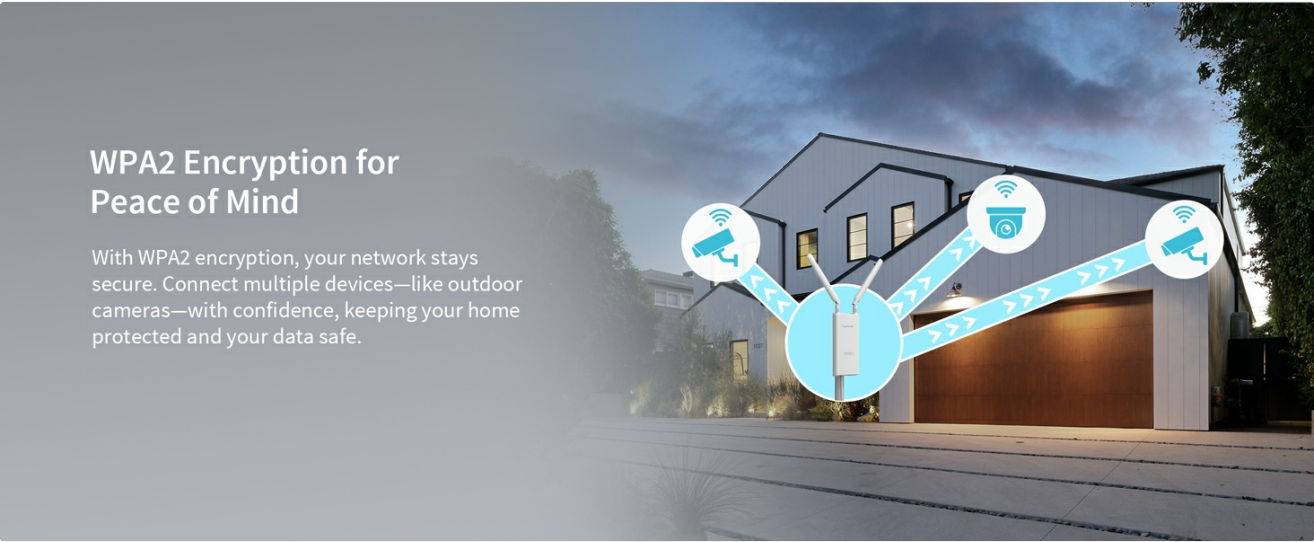
Image: A diagram showing optimal placement for the BrosTrend AC1200 Outdoor WiFi Extender. It illustrates that the extender should be mounted at least 6.6 feet above ground, within the router's WiFi range, and ideally halfway between the router and the WiFi dead zone. Incorrect placements (too close or too far from the router) are also shown with their resulting coverage issues.

6. SPECIFICATIONS

Product Dimensions	3.27 x 3.27 x 15.24 inches
Item Weight	9.6 ounces
Model Name	AC1200 Long-Range Outdoor WiFi Extender
Special Feature	Connects wirelessly to existing router, up to 656 feet signal range, dual-band speeds up to 867 Mbps (5 GHz) + 300 Mbps (2.4 GHz), IP65 waterproof and dustproof, 6kV lightning protection, 8kV ESD protection, includes PoE injector, PoE-powered, 802.11ac wave 2.0, 2x2 streams
Frequency Band Class	Dual-Band
Wireless Communication Standard	802.11a, 802.11ac, 802.11b, 802.11g, 802.11n
Compatible Devices	Compatible with any WiFi devices, such as smartphones, TVs, tablets, computers, video doorbells, security cameras, smart bulbs, speakers, and much more.
Recommended Uses For Product	Ideal for extending WiFi coverage to gardens, yards, decks, poolside areas, and outdoor workspaces; perfect for outdoor smart devices, video streaming, and remote work
Connectivity Technology	Wi-Fi
Color	White
Manufacturer	BrosTrend Technology LLC

7. WARRANTY AND SUPPORT

For technical support or any inquiries regarding your BrosTrend AC1200 Outdoor WiFi Extender, please refer to the Quick Installation Guide included in your package. You can also contact BrosTrend support directly via email.

- **Technical Support Email:** support@brostrend.com
- For installation video guides, please refer to the link:https://www.brostrend.com/pages/video-guide

Information regarding product warranty is typically provided within the Quick Installation Guide or on the manufacturer's official website.