BrosTrend BrosTrend 1500Mbps WiFi 6 Extender

BrosTrend AX1500 WiFi 6 Extender User Manual

Model: BrosTrend 1500Mbps WiFi 6 Extender

1. PRODUCT OVERVIEW

The BrosTrend AX1500 WiFi 6 Extender is designed to expand your existing WiFi network coverage, eliminate dead zones, and provide faster, more reliable internet access throughout your home or office. This dual-band extender supports the latest WiFi 6 (802.11ax) standard, offering speeds up to 1201Mbps on the 5GHz band and 300Mbps on the 2.4GHz band. It features high-gain antennas for enhanced signal strength and a Gigabit Ethernet port for wired connections.

Figure 1: BrosTrend AX1500 WiFi 6 Extender

This image shows the front view of the BrosTrend AX1500 WiFi 6 Extender, highlighting its compact design and adjustable antennas.

Key Features:

- **WiFi 6 (802.11ax) Support:** Experience next-generation WiFi speeds and efficiency.
- **Dual-Band AX1500 Speeds:** Up to 1201Mbps on 5GHz and 300Mbps on 2.4GHz for smooth streaming and gaming.
- **Extended Coverage:** Boosts WiFi signal to cover up to 2,000 sq. ft. and connect up to 40 devices.
- **High-Gain Antennas:** 180-degree rotatable antennas for optimal signal reception and broad coverage.
- **Gigabit Ethernet Port:** Connect wired devices like smart TVs, PCs, or gaming consoles for stable, high-speed connections.
- **Beamforming Technology:** Concentrates WiFi signals towards connected devices for improved strength and performance.
- **BSS Color Technology:** Minimizes interference from neighboring WiFi networks for a more reliable connection.
- **Target Wake Time (TWT):** Reduces power consumption for connected devices, extending their battery life.
- **WPA3/WPA2 Encryption:** Advanced security protocols to protect your network.
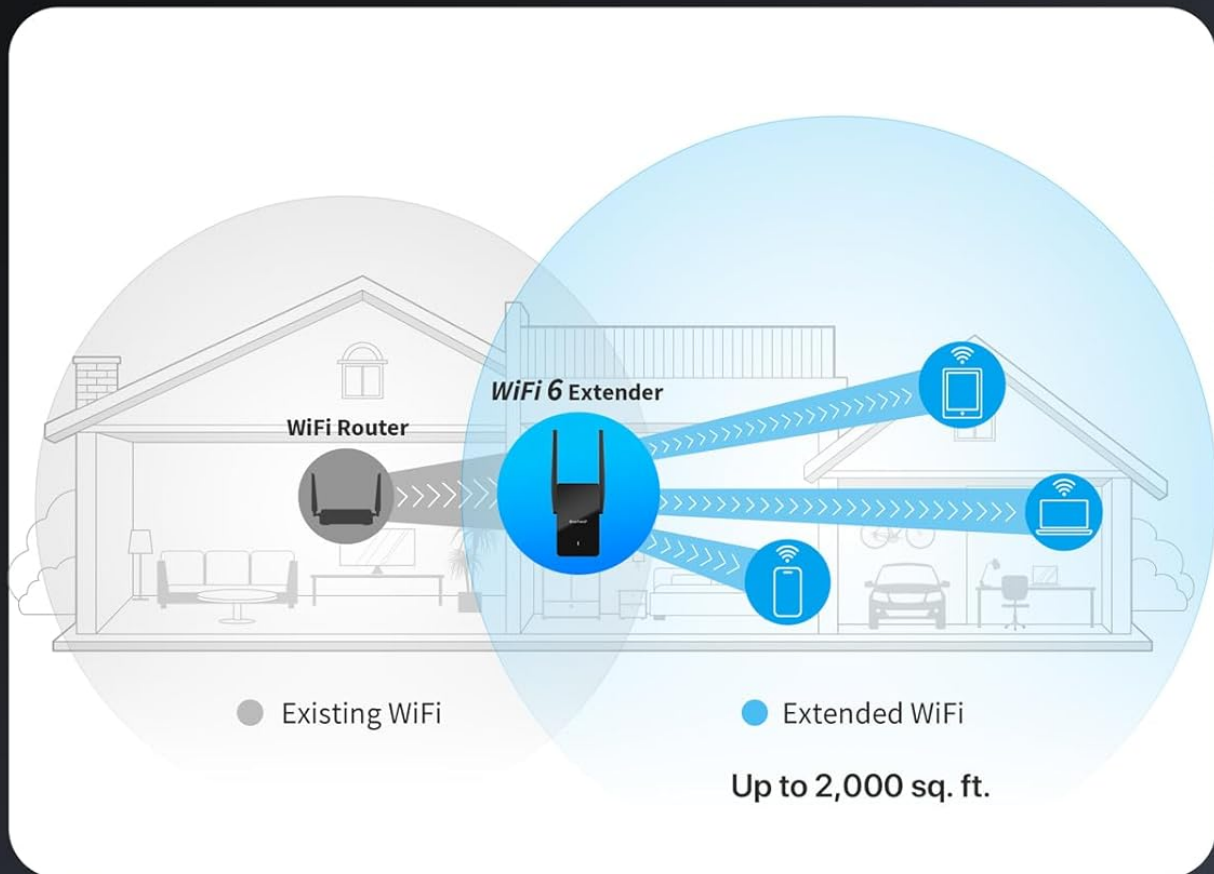- **Universal Compatibility:** Works with any standard WiFi router.

Figure 2: Extending WiFi Coverage

This diagram illustrates how the BrosTrend WiFi 6 Extender expands your existing WiFi coverage, reaching up to 2,000 sq. ft. and connecting multiple devices.

Figure 3: Blazing-Fast WiFi 6 Speeds

This image demonstrates the high-speed capabilities of the AX1500 extender, showing 300 Mbps on 2.4GHz and 1201 Mbps on 5GHz, ideal for 8K UHD streaming and gaming.

Increases Battery Life for Connected Devices

Integrating TWT technology, this WiFi 6 extender communicates with your connected devices and negotiates when and how frequently they are awakened for data transmissions. This smart optimization not only reduces power consumption but also improves battery life for your devices.

WiFi 6 802.11 ax

Device

Sleep Mode
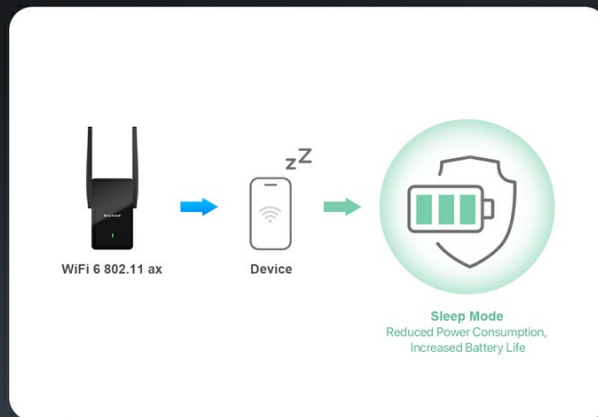Reduced Power Consumption, Increased Battery Life

Figure 4: Securing Every Connection

This image highlights the advanced WPA3/WPA2 encryption, ensuring stronger protection for your data transmitted over Wi-Fi and providing peace of mind.

Spot-On the Best Location

You can effortlessly find the best location for your WiFi extender with its intelligent LED light. Enjoy high performance WiFi with maximum extended range and faster speeds.

BrosTrend®

● **Solid Green:** Best Location
● **Solid Yellow:** Fair Location
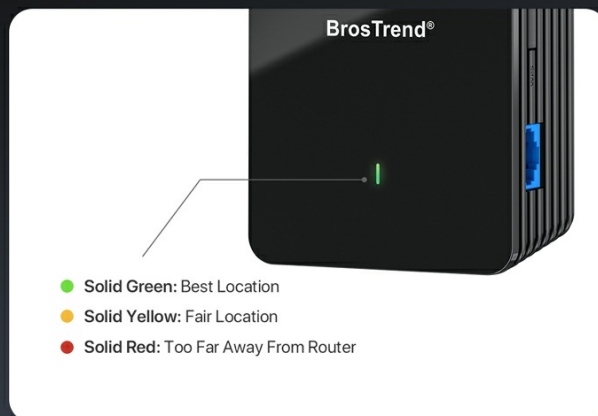● **Solid Red:** Too Far Away From Router

Figure 5: Works with Any WiFi Router

This illustration shows the universal compatibility of the extender, allowing it to seamlessly boost range and speeds with any WiFi router or wireless access point.

Works with Any WiFi Router

Experience a seamless boost in range and speeds without any compatibility concerns as this WiFi extender works with any WiFi routers or wireless access points.
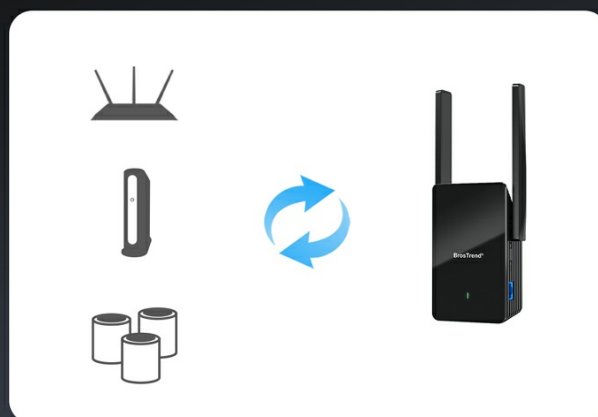
Figure 6: Provides Network Flexibility

The extender is equipped with a Gigabit LAN port, offering flexibility to transform your wired connection into a 1500Mbps dual-band

WiFi 6 network.

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Video 1: Know More about BrosTrend AX1500 WiFi Extender

This video provides a comprehensive overview of the BrosTrend AX1500 WiFi Extender, detailing its features and benefits for enhancing your home network.

2. SETUP GUIDE

The BrosTrend AX1500 WiFi 6 Extender can be set up using two primary methods: the Web UI method or the WPS method. Choose the method that best suits your needs.

2.1. Web UI Setup Method

1. **Power on the Extender:** Plug the WiFi extender into a power outlet in the same room as your existing WiFi router. Wait until the LED indicator blinks red slowly.

2. **Connect to Extender's WiFi Network:** On your wireless device (smartphone, laptop), connect to the WiFi network named "BrosTrend_EXT". This SSID is typically found on the product label.

3. **Access Web UI:** Once connected, your device should automatically redirect you to the quick setup page. If not, open a web browser and enter the interface address (e.g., brostrendwifi.com) found on the product label.

4. **Create Login Password:** Create a new login password for future access to the extender's settings.

5. **Choose Working Mode:** Select "Extender Mode / WiFi to Ethernet Adapter Mode" to extend your existing WiFi or connect a wired device.

6. **Select Existing Networks:** Choose your existing 2.4GHz and 5GHz WiFi networks from the list and enter their respective passwords.

7. **Customize Extended Network:** Customize the name and password for your extended WiFi networks (e.g., MyWiFi_2.4G_EXT, MyWiFi_5G_5GEXT). Click "Extend" to complete the setup.

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Video 2: AX1500 WiFi 6 Extender Setup Guide, WEB UI Method

This video provides a step-by-step guide on how to set up your BrosTrend AX1500 WiFi 6 Extender using the Web UI method.

2.2. WPS Setup Method

1. **Power on the Extender:** Plug the WiFi extender into a power outlet in the same room as your existing WiFi router. Wait until the LED indicator blinks red slowly.

2. **Press WPS on Router:** Press the WPS button on your WiFi router. The WPS LED status on your router should change (e.g., blink).

3. **Press WPS on Extender:** Within 2 minutes of pressing the WPS button on your router, press the WPS button on the BrosTrend extender.

4. **Wait for LED Indicator:** Wait until the LED indicator on the extender turns solid green or yellow. This indicates a successful connection with your existing WiFi router.

Figure 7: Pressing WPS on Router

This image shows the action of pressing the WPS button on a typical WiFi router to initiate the WPS connection process.

Figure 8: Pressing WPS on Extender

This image demonstrates pressing the WPS button on the BrosTrend extender within the two-minute window after activating WPS on the router.

Your browser does not support the video tag.

Video 3: AX1500 WiFi 6 Extender Setup Guide, WPS Method

This video provides a step-by-step guide on how to set up your BrosTrend AX1500 WiFi 6 Extender using the WPS method.

3. OPERATING THE EXTENDER

Once the extender is successfully connected to your router, you can optimize its placement and connect your devices.

3.1. Optimal Placement

Relocate the extender to a location within the WiFi range of your WiFi router. The LED indicator on the extender helps you find the best spot:

- **Solid Green:** The extender is in a proper position and receiving a strong signal from your router. This is the ideal status.
- **Solid Yellow:** The extender is receiving a good signal from your router. Performance may be slightly less than solid green, but still functional.
- **Solid Red:** The extender is receiving a weak signal from your router. Please relocate the extender closer to your router.
- **Blinking Red Slowly:** The extender is not connected to your router. Please relocate the extender closer to your router. If the LED indicator still does not turn solid on, reset it to default factory setting and set it up again.

Figure 9: Spot-On the Best Location

This image illustrates how the intelligent LED light on the extender helps you find the optimal location for maximum extended range and faster speeds.

3.2. Connecting Your Devices

Once the extender is optimally placed and shows a solid green or yellow LED, you can connect your WiFi devices to the extended networks. The extended network names will typically be your original WiFi name with "_EXT" appended (e.g., MyWiFi_2.4G_EXT, MyWiFi_5G_5GEXT), unless you customized them during Web UI setup.
For wired devices, simply connect an Ethernet cable from the device to the Gigabit Ethernet port on the extender.

4. MAINTENANCE

To ensure optimal performance and longevity of your BrosTrend AX1500 WiFi 6 Extender, follow these maintenance guidelines:

- **Regular Reboots:** Periodically reboot the extender (e.g., once a month) by unplugging it from the power outlet for 10 seconds and then plugging it back in. This can resolve minor issues and improve performance.
- **Firmware Updates:** Check the BrosTrend official website (www.brostrend.com) for any available firmware updates. Keeping your firmware up-to-date ensures you have the latest features, security patches, and performance improvements.
- **Cleaning:** Keep the extender clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the extender is placed in a well-ventilated area, away from direct sunlight or heat sources, to prevent overheating.
- **Antenna Adjustment:** Adjust the high-gain antennas as needed to optimize signal direction and coverage.

5. TROUBLESHOOTING

If you encounter issues with your BrosTrend AX1500 WiFi 6 Extender, refer to the following common problems and solutions:

5.1. No Internet Access After Setup

- **Check LED Indicator:** Ensure the LED indicator is solid green or yellow. If it's red or blinking red, refer to the "Optimal Placement" section (3.1) and relocate the extender.
- **Verify Router Connection:** Make sure your main WiFi router is working correctly and has internet access.
- **Correct Password:** Double-check that you entered the correct password for your existing WiFi network during setup.

A common mistake is typing the wrong password.

- **Reboot Devices:** Reboot both your main router and the extender. Also, restart the devices trying to connect to the extended network.
- **Reset and Reconfigure:** If problems persist, perform a factory reset on the extender (usually by pressing a reset button for 5-10 seconds) and reconfigure it from scratch.

5.2. Slow Speeds or Frequent Disconnections

- **Optimal Placement:** The most common cause. Ensure the extender is placed where it receives a strong signal from the router (solid green LED) and is also close enough to the devices needing extended coverage. Avoid placing it behind large obstacles or near interference sources.
- **Interference:** Other electronic devices (microwaves, cordless phones, Bluetooth devices) can cause interference. Try moving the extender away from such devices.
- **Channel Overlap:** In crowded WiFi environments, your router's WiFi channel might be congested. Try changing the WiFi channel on your main router (consult your router's manual).
- **Antenna Orientation:** Adjust the extender's antennas to optimize signal direction.
- **Device Compatibility:** Ensure your connecting devices support WiFi 6 for optimal performance. Older devices will still connect but at their maximum supported speed.

5.3. Cannot Access Web UI

- **Direct Connection:** Ensure your device is connected to the extender's default WiFi network ("BrosTrend_EXT") or directly via an Ethernet cable to the extender's LAN port.
- **Correct Address:** Verify you are typing the correct web address (e.g., brostrendwifi.com) into your browser's address bar.
- **Clear Browser Cache:** Clear your browser's cache and cookies, or try a different browser.
- **Disable VPN/Proxy:** Temporarily disable any VPN or proxy settings on your device.
- **Firewall/Antivirus:** Temporarily disable your computer's firewall or antivirus software to see if it's blocking access.

6. SPECIFICATIONS

Attribute	Detail
Model Number	BrosTrend 1500Mbps WiFi 6 Extender
Wireless Standard	802.11a/b/g/n/ac, 802.11ax (WiFi 6)
Data Transfer Rate	Up to 1500 Mbps (1201 Mbps on 5GHz, 300 Mbps on 2.4GHz)
Frequency Band	Dual-Band (2.4GHz & 5GHz)
Antennas	High-gain external antennas, 180-degree rotatable
Ethernet Port	1 x Gigabit Ethernet Port
Coverage Area	Up to 2,000 sq. ft.
Device Capacity	Up to 40 devices
Security	WPA3/WPA2 encryption
Dimensions	2.6 x 3.5 x 8.4 inches
Item Weight	8.1 ounces

Power Input	100-240V, 50/60Hz, 0.4A
Manufacturer	BrosTrend Technology LLC
Country of Origin	China

Figure 10: Product Label with Specifications

This image displays the product label, which includes model information, FCC ID, power requirements, and web UI address.

7. WARRANTY AND SUPPORT

BrosTrend products typically come with a manufacturer's warranty. For specific warranty details, please refer to the warranty card included in your product packaging or visit the official BrosTrend website.

For technical support, troubleshooting assistance, or any inquiries regarding your BrosTrend AX1500 WiFi 6 Extender, please contact BrosTrend customer support:

- **Official Website:** www.brostrend.com
- **Support Email:** support@brostrend.com (As indicated in setup videos)

Please have your product model number and purchase information ready when contacting support for faster service.