TRENDnet TEW-820AP

TRENDnet Wireless AC Easy-Upgrader (TEW-820AP) Instruction Manual

Model: TEW-820AP

INTRODUCTION

The TRENDnet Wireless AC Easy-Upgrader, Model TEW-820AP, is a compact device designed to enhance your existing network by adding high-speed Wireless AC connectivity. It allows you to upgrade your wireless or wired router to support the faster 5GHz Wireless AC standard, ideal for HD video streaming and other bandwidth-intensive applications. This manual provides essential information for setting up, operating, and maintaining your TEW-820AP.

Front view of the TRENDnet Wireless AC Easy-Upgrader (TEW-820AP).

WHAT'S IN THE BOX

Verify that all items are present in your package:

- TRENDnet Wireless AC Easy-Upgrader (TEW-820AP) Unit
- Power Adapter (Micro USB)
- Ethernet Cable
- Setup Wizard CD
- Quick Installation Guide

Contents of the TEW-820AP package, including the unit, power adapter, Ethernet cable, and documentation.

SETUP

Follow these steps to set up your TEW-820AP:

1. **Power Connection:** Connect the provided Micro USB power adapter to the PWR port on the TEW-820AP and plug it into a power outlet.

The TEW-820AP unit with its power cable connected.

2. **Ethernet Connection:** Use the included Ethernet cable to connect the LAN port on the TEW-820AP to an available Ethernet port on the back of your existing wired or wireless router.

The TEW-820AP connected to an existing router, enabling Wireless AC functionality.

3. **Wireless Connection:** The TEW-820AP comes pre-encrypted with its own unique Wi-Fi Key. Locate the Wi-Fi Name/SSID and Wi-

Fi Key printed on the device or in the Quick Installation Guide. Connect your Wireless AC enabled devices (e.g., smartphones, laptops, smart TVs) to this new Wireless AC network using the provided Wi-Fi Key.

4. **WPS Setup (Optional):** For devices that support Wi-Fi Protected Setup (WPS), you can press the WPS button on the TEW-820AP and then activate WPS on your client device to establish a secure connection without manually entering the password.

Your network now has high-performance Wireless AC capabilities.

OPERATING

The TEW-820AP operates primarily as an access point, extending your network with Wireless AC. Once set up, it broadcasts a 5GHz Wireless AC signal.

- **Status Indicator:** The WPS LED on the device indicates its status. A green light typically signifies a successful connection and operation.

The WPS light on the TEW-820AP, indicating operational status.

- **Wireless Adapter Mode:** The TEW-820AP can also function as a wireless client or adapter. This allows you to connect wired devices (like smart TVs or desktop computers without Wi-Fi) to your new Wireless AC network by plugging them into the TEW-820AP's LAN port. Refer to the full user manual for detailed instructions on configuring client/adapter mode.
- **Multiple SSIDs:** The device supports up to 4 SSIDs, allowing for segmented wireless networks if desired.

MAINTENANCE

To ensure optimal performance and longevity of your TEW-820AP:

- Keep the device in a well-ventilated area to prevent overheating.
- Avoid placing the device near sources of strong electromagnetic interference.
- Periodically check for firmware updates on the TRENDnet official website to ensure the best performance and security.
- Clean the exterior of the device with a soft, dry cloth. Do not use liquid cleaners.

TROUBLESHOOTING

If you encounter issues with your TEW-820AP, consider the following:

- **No Power/LED Off:** Ensure the power adapter is securely connected to both the device and a working power outlet.
- **No Wireless AC Signal:** Verify the Ethernet cable connection between the TEW-820AP and your main router. Ensure your client device is Wireless AC enabled and supports the 5GHz band.

- **Slow Speeds:** While the TEW-820AP provides Wireless AC, its LAN port is 100Mbps. This means wired connections through the device will be limited to Fast Ethernet speeds, which can impact overall throughput for very high-speed internet connections. Ensure your main router is providing sufficient bandwidth.
- **Connectivity Issues:** Try restarting both the TEW-820AP and your main router. Ensure there are no major obstructions or sources of interference between the TEW-820AP and your wireless devices.
- **Client Mode Problems:** If using the device in client mode, ensure it is properly configured according to the detailed instructions in the full user manual. Some older AC Wi-Fi radios may not see higher 5GHz channels (e.g., channel 149). Adjust your main router's 5GHz channel if necessary.
- **Resetting the Device:** If issues persist, you may need to perform a factory reset. Locate the 'RESET' button on the back of the unit (often a small pinhole) and use a paperclip to press and hold it for approximately 10 seconds while the device is powered on. This will restore default settings.

Rear view of the TEW-820AP, highlighting the LAN port and Reset button.

SPECIFICATIONS

Feature	Specification
Model Number	TEW-820AP
Wireless Type	5.8 GHz Radio Frequency, 801.11ac
Item Weight	1.69 ounces
Product Dimensions (LxWxH)	7 x 3 x 6 inches
Color	Black
Voltage	5 Volts
Manufacturer	TRENDnet

WARRANTY AND SUPPORT

TRENDnet offers an industry-leading 3-year warranty for the TEW-820AP. For any technical assistance or support, unlimited 24/7 technical support is available. Please refer to the official TRENDnet website or your product documentation for contact information and detailed warranty terms.

Related Documents - TEW-820AP

[TRENDnet TEW-656BRG User's Guide: Mobile 3G Wireless N Router Setup and Configuration](#)

This user's guide provides comprehensive instructions for setting up and configuring the TRENDnet TEW-656BRG, a compact 150Mbps Mobile Wireless N Router that connects to the internet via 3G USB dongles. Learn about installation, advanced settings, security, and troubleshooting.

[TRENDnet TEW-2K1 11 Mbps 802.11b Wireless Router Quick Installation Guide](#)

This Quick Installation Guide provides step-by-step instructions for setting up and configuring the TRENDnet TEW-2K1 11 Mbps 802.11b Wireless Router and PC Card Kit. Learn how to install hardware, drivers, and configure your network for broadband internet access.

[TRENDnet TEW-648UBM Micro N150 Wireless USB Adapter User Guide](#)

Comprehensive guide for the TRENDnet TEW-648UBM Micro N150 Wireless USB Adapter. Learn installation, connection, WPS, troubleshooting, and technical specifications for Windows and Mac.

[TRENDnet TEW-501PC/TEW-503PI 108Mbps Wireless LAN Adapter User's Guide](#)

User's guide for TRENDnet TEW-501PC CardBus PC Card and TEW-503PI PCI Adapter, providing installation, configuration, and troubleshooting information for 108Mbps 802.11a/g wireless networking.

[TRENDnet TEW-639GR Quick Installation Guide | Setup and Configuration](#)

Quick installation guide for the TRENDnet TEW-639GR 300Mbps Wireless N Gigabit Router, covering setup, configuration, troubleshooting, and wireless tips.

[TRENDnet AC2600 MU-MIMO WiFi Router TEW-827DRU User's Guide](#)

This comprehensive user guide details the setup, configuration, and advanced features of the TRENDnet AC2600 MU-MIMO WiFi Router (TEW-827DRU). Learn about installation, wireless security, USB storage, VPN, and troubleshooting to optimize your home network.