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› Eminent EM4595 Wireless Repeater User Manual

## Eminent EM4595

# Eminent EM4595 Wireless Repeater User Manual

Model: EM4595

## 1. INTRODUCTION

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The Eminent EM4595 Wireless Repeater is designed to extend the range of your existing Wi-Fi network, eliminating dead zones and providing a stronger, more reliable wireless signal throughout your home or office. It can also function as a wireless access point, converting a wired network connection into a private Wi-Fi hotspot. This device features an integrated power plug for direct wall socket connection and a Wi-Fi signal indicator to help you find the optimal placement.



Figure 1: Front view of the Eminent EM4595 Wireless Repeater, showing the WPS button and signal indicator LEDs.

## 2. SETUP

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### 2.1 Package Contents

- Eminent EM4595 Wireless Repeater
- LAN Cable

### 2.2 Device Overview



Figure 2: Bottom view of the Eminent EM4595, highlighting the Ethernet port and power prongs.

Familiarize yourself with the device's ports and buttons:

- **WPS Button:** For quick and easy setup with WPS-enabled routers.
- **Signal Indicator LEDs:** Displays the strength of the Wi-Fi signal from your router.
- **Ethernet Port:** For wired connections in Access Point mode or for initial configuration.
- **Power Prongs:** Integrated for direct connection to a wall outlet.

### 2.3 Optimal Placement

Plug the repeater into a power outlet in an area between your wireless router and the desired Wi-Fi dead zone. The built-in Wi-Fi signal indicator will help you determine the best location. Aim for a location where the indicator shows a strong signal from your router.



Figure 3: The Eminent EM4595 plugged into a wall socket, ready for setup.

## 2.4 WPS Setup (Recommended)

WPS (Wi-Fi Protected Setup) provides a simple way to connect your repeater to your router.

1. Plug the EM4595 into a power outlet. Wait for the power LED to stabilize.
2. Press the WPS button on your Eminent EM4595 repeater. The WPS LED on the repeater will start blinking.
3. Within two minutes, press the WPS button on your wireless router.
4. The repeater will automatically connect to your router. Once connected, the signal indicator LEDs on the repeater will light up, indicating a successful connection and signal strength.



Figure 4: Visual guide for WPS setup, showing the interaction between the repeater and the router.

## 2.5 Access Point (AP) Mode Setup

To use the EM4595 as an Access Point:

1. Plug the EM4595 into a power outlet.
2. Connect the EM4595's Ethernet port to your wired network (e.g., a router's LAN port) using the provided LAN cable.
3. Access the repeater's web-based management interface (refer to the full manual for default IP address and login details, typically found on a sticker on the device).
4. Select "Access Point" mode and configure your desired Wi-Fi network name (SSID) and password.
5. Save the settings. The EM4595 will now broadcast a new Wi-Fi network.

## 3. OPERATING THE REPEATER

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## 3.1 Signal Indicator

The EM4595 features an LED signal indicator. This indicator helps you assess the strength of the Wi-Fi signal received from your main router. A stronger signal (more LEDs lit) indicates a better connection and optimal placement for the repeater.

- **Green/Solid:** Excellent signal strength.
- **Yellow/Flashing:** Good signal strength.
- **Red/Off:** Weak or no signal. Consider relocating the repeater closer to your router.

## 3.2 Connecting Devices

Once the repeater is set up, devices can connect to the extended Wi-Fi network. The network name (SSID) of the extended network is typically the same as your main router's network name with "\_EXT" appended (e.g., "MyHomeWiFi\_EXT"), or it can be configured manually in AP mode.

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## 4. MAINTENANCE

### 4.1 Cleaning

To maintain optimal performance, periodically clean the exterior of the repeater with a soft, dry cloth. Do not use liquid cleaners or aerosols.

### 4.2 Factory Reset

If you encounter persistent issues or wish to reconfigure the device from scratch, you can perform a factory reset. Locate the reset pinhole (usually on the bottom or side) and use a paperclip to press and hold the button for approximately 5-10 seconds until the LEDs flash. The device will then revert to its factory default settings.

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## 5. TROUBLESHOOTING

- **No Connection After WPS Setup:**

- Ensure your router supports WPS and that you pressed its WPS button within the two-minute window.
- Try relocating the repeater closer to your router.
- Perform a factory reset and attempt WPS setup again.
- Consider manual setup via the web interface.

- **Weak Signal or Slow Speed:**

- Check the signal indicator LEDs on the repeater. If they show a weak signal, move the repeater closer to your main router.
- Ensure there are no major obstructions (thick walls, metal objects) between the repeater and the router.
- Verify that your main router is functioning correctly.

- **Cannot Access Web Management Interface:**

- Ensure your computer is connected to the repeater's network (either wired or wirelessly).
- Verify the correct default IP address (check the device sticker or full manual).
- Temporarily disable any firewall or antivirus software on your computer.

- **Repeater Disconnects Frequently:**

- Check for interference from other electronic devices.
- Ensure the repeater is in a location with stable power.

- Consider updating the firmware (if available from the manufacturer's website).

## 6. SPECIFICATIONS

<b>Model Number</b>	EM4595
<b>Brand</b>	Eminent
<b>Wireless Standard</b>	802.11a/b/g/n
<b>Data Transfer Speed</b>	300 Mbps
<b>Frequency Bands</b>	2.4 GHz
<b>Dimensions (L x W x H)</b>	14.6 x 7.4 x 15.4 cm
<b>Weight</b>	77 g
<b>Compatible Devices</b>	Router
<b>Components Included</b>	Repeater, LAN cable

## 7. WARRANTY INFORMATION

The Eminent EM4595 Wireless Repeater comes with a manufacturer's warranty for 90 days from the date of purchase. Please retain your proof of purchase for warranty claims. This warranty covers defects in materials and workmanship under normal use.

## 8. SUPPORT

For further assistance, technical support, or to download the latest firmware and full user manual, please visit the official Eminent website. You may also contact Eminent customer service directly for specific inquiries.