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› Metronic 495434 Powerline 600 WiFi Gateway User Manual

Metronic 495434

Metronic 495434 Powerline 600 WiFi Gateway User Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Metronic 495434 Powerline 600 WiFi Gateway. This device extends your internet connection using your home's electrical wiring, providing both wired and wireless network access.

The Metronic 495434 Powerline 600 WiFi Gateway allows you to connect to the internet with your smartphone or tablet in areas where your main Wi-Fi signal is weak or unavailable. Utilizing Powerline (CPL) technology, it can be installed far from your ADSL modem, reaching locations such as a garden shed, garage, or outbuilding. This gateway also functions as a standard Powerline adapter, offering speeds up to 600 Mbps, enabling smooth transfer of high-definition video streams across your network. Please note that this Powerline adapter requires at least one other compatible Powerline adapter to function.

Key Features:

- Compatible with Homeplug AV standard.
- Maximum Powerline speed of 600 Mbps.
- AES 128-bit encryption for secure communication.
- 2.4GHz Wi-Fi with speeds up to 300 Mbps (b/g/n).
- Equipped with 2 Fast Ethernet 100 Mbps ports.

Package Contents:

- Metronic 495434 Powerline 600 WiFi Gateway
- Instruction Manual
- Ethernet Cable(s)

2. SETUP GUIDE

Follow these steps to set up your Metronic 495434 Powerline 600 WiFi Gateway.

2.1. Initial Placement

Plug the Powerline 600 WiFi Gateway into a wall socket near your main router or modem. Avoid power strips or extension

cords, as they can interfere with Powerline signal quality.

2.2. Connecting to Your Network

1. **Connect the First Powerline Adapter:** Plug a standard Powerline adapter (not included, required for a complete Powerline network) into a wall socket near your internet router. Connect this adapter to your router using an Ethernet cable.
2. **Connect the Metronic 495434 Powerline 600 WiFi Gateway:** Plug the Metronic 495434 Powerline 600 WiFi Gateway into a wall socket in the desired location where you need Wi-Fi or wired internet access. Ensure it is on the same electrical circuit as the first Powerline adapter for optimal performance.
3. **Pairing the Devices:** Press the 'Pair' button on the first Powerline adapter for 1-2 seconds. Within two minutes, press the 'Pair' button on the Metronic 495434 Powerline 600 WiFi Gateway for 1-2 seconds. The Powerline LED indicators on both devices should turn solid, indicating a successful connection.
4. **Configure Wi-Fi (Optional):** The device will broadcast a default Wi-Fi network. You can connect to this network using the default SSID and password usually found on a label on the device. For advanced configuration (changing SSID, password, or security settings), refer to the device's web interface accessible via a browser.



Image 1: The Metronic 495434 Powerline 600 WiFi Gateway. This image shows the front and side view of the white Powerline adapter with two external antennas, several indicator lights, and a pairing button. It illustrates the overall design of the device.



Image 2: Close-up view of the Ethernet ports on the Metronic 495434 Powerline 600 WiFi Gateway. This image highlights the two yellow Ethernet ports labeled 'LAN' and 'WAN', along with a small 'RST' (Reset) button, located at the bottom of the device. These ports are used for wired network connections.

3. OPERATING INSTRUCTIONS

Once the Powerline 600 WiFi Gateway is successfully set up and paired, you can begin using it to extend your network.

3.1. Wi-Fi Connectivity

- **Connect Devices:** On your smartphone, tablet, or laptop, search for available Wi-Fi networks. Select the SSID (network name) broadcast by your Metronic Powerline 600 WiFi Gateway.
- **Enter Password:** Input the Wi-Fi password (security key) found on the device label or configured during advanced setup.
- **Seamless Roaming (if configured):** If you have configured the Wi-Fi network name and password to match your main router, your devices may automatically switch between the main router's Wi-Fi and the Powerline gateway's Wi-Fi as you move around your home.

3.2. Wired Connectivity

Use the Ethernet ports on the bottom of the Powerline 600 WiFi Gateway to connect devices that require a wired connection, such as desktop computers, gaming consoles, or smart TVs. Simply plug an Ethernet cable from your device into one of the 'LAN' ports on the gateway.

3.3. Indicator Lights

Monitor the LED indicators on the device to understand its status:

- **Power LED:** Indicates if the device is powered on.
- **Powerline LED:** Indicates the status of the Powerline connection. Solid usually means a good connection, blinking may indicate data transfer or pairing mode, and off means no Powerline connection.
- **Wi-Fi LED:** Indicates the status of the Wi-Fi network. Solid means Wi-Fi is active, blinking may indicate data transfer, and off means Wi-Fi is disabled.
- **Ethernet LED (for each port):** Indicates a wired connection and activity on the respective Ethernet port.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Powerline 600 WiFi Gateway.

- **Cleaning:** Gently wipe the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the device is placed in a well-ventilated area. Do not cover ventilation openings.
- **Environment:** Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- **Firmware Updates:** Periodically check the Metronic website for any available firmware updates to ensure optimal performance and security.

5. TROUBLESHOOTING

If you encounter issues with your Metronic 495434 Powerline 600 WiFi Gateway, refer to the following common solutions.

5.1. No Powerline Connection

- **Check Power:** Ensure both Powerline adapters are securely plugged into live wall sockets.
- **Avoid Power Strips:** Powerline adapters should be plugged directly into a wall outlet, not into power strips, surge protectors, or extension cords, as these can degrade the signal.
- **Re-pair Devices:** If the Powerline LED is off or blinking erratically, try re-pairing the devices as described in Section 2.2.
- **Electrical Circuit:** Ensure both Powerline adapters are on the same electrical circuit. Powerline technology works best within the same circuit.

5.2. No Wi-Fi or Poor Wi-Fi Signal

- **Check Wi-Fi LED:** Ensure the Wi-Fi LED on the gateway is solid, indicating the Wi-Fi is active.
- **Verify SSID and Password:** Double-check that you are connecting to the correct Wi-Fi network name (SSID) and entering the correct password.
- **Interference:** Move the gateway away from devices that might cause interference, such as microwaves, cordless phones, or Bluetooth devices.
- **Reset Wi-Fi Settings:** If necessary, perform a factory reset (refer to the device's web interface or a small reset button, often labeled 'RST', which may require a paperclip to press and hold for several seconds).

5.3. Slow Internet Speed

- **Check Powerline Connection Quality:** A poor Powerline connection can lead to slow speeds. Ensure devices are

directly plugged into wall sockets.

- **Electrical Noise:** Certain household appliances (e.g., vacuum cleaners, hair dryers) can generate electrical noise that interferes with Powerline signals. Try unplugging such devices temporarily to diagnose.
- **Ethernet Cable Check:** Ensure all Ethernet cables are securely connected and undamaged.

6. SPECIFICATIONS

Brand	Metronic
Model Number	495434
Hardware Interface	Ethernet
Compatible Devices	Smartphone, Tablet
Data Link Protocol	Fast Ethernet
Data Transfer Rate	600 Mbps (Powerline)
Wi-Fi Standard	2.4GHz 300Mbps (802.11b/g/n)
Encryption	AES 128-bit
Ethernet Ports	2 x Fast Ethernet 100 Mbps
Dimensions (L x W x H)	50 x 150 x 100 millimeters
Powerline Standard	Homeplug AV

7. WARRANTY INFORMATION

The Metronic 495434 Powerline 600 WiFi Gateway comes with a manufacturer's warranty.

- **Warranty Period:** 2 years from the date of purchase.
- **Coverage:** This warranty covers defects in materials and workmanship under normal use.
- **Exclusions:** The warranty does not cover damage caused by accident, misuse, abuse, unauthorized modification, or external causes such as power surges.
- **Claim Process:** For warranty claims, please retain your proof of purchase and contact Metronic customer support.

8. SUPPORT

For further assistance or technical support, please refer to the following resources:

- **Metronic Website:** Visit the official Metronic website for FAQs, updated manuals, and support contact information.
- **Customer Service:** Contact Metronic customer service directly for personalized assistance with product issues or setup queries.

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

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Email

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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

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