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› NEWFAST RE523 Dual-Band WiFi Extender Instruction Manual

NEWFAST RE523

NEWFAST RE523 Dual-Band WiFi Extender Instruction Manual

1. INTRODUCTION

Thank you for choosing the NEWFAST RE523 Dual-Band WiFi Extender. This device is designed to expand your existing wireless network coverage, eliminate dead zones, and provide a stable, high-speed internet connection throughout your home or office. This manual provides detailed instructions for setup, operation, and troubleshooting to ensure optimal performance.



Figure 1.1: NEWFAST RE523 WiFi Extender in operation.

2. PRODUCT OVERVIEW

2.1 Package Contents

- 1 x NEWFAST AC1200 WiFi Repeater (Model RE523)
- 1 x User Manual
- 1 x RJ-45 Ethernet Cable

2.2 Device Layout and Indicators

The NEWFAST RE523 features a compact design with adjustable antennas and an intuitive LCD display for status indication.

Newest Smart LCD Display WiFi Repeater

The 1200Mbps WiFi Extender supports 99% WiFi internet box(802.11ac/b/g/n/a).



Figure 2.1: Device dimensions and indicator lights.

- **Network Indication:** Displays the status of the network connection.
- **WiFi Indication:** Shows the status of the wireless signal.
- **WPS Indication:** Lights up during WPS connection attempts.
- **Network Port Indication:** Indicates activity on the Ethernet port.
- **180° Rotatable Antennas:** Four external antennas for optimal signal direction.

The Latest Smart Chips

Stronger Anti-interference, High Speed, perfect matching with your home routing.

Maximum 20 dBm transmitting power and 4 *3dbi antennas easily through the wall. Powerful 4 High-Gain External Antennas 180 ° Rotatable

High-Performance Chip

4 External Antennas

Heat Dissipation

WPS/Reset button

Ethernet Port

Figure 2.2: Internal components and external features.

- **High-Performance Chip:** Ensures stable and fast data transfer.
- **Heat Dissipation:** Vents designed for efficient cooling.
- **WPS/Reset Button:** Used for quick setup and factory reset.
- **Ethernet Port:** For wired connections to devices or the main router.

3. SETUP INSTRUCTIONS

The NEWFAST RE523 WiFi Extender offers two primary methods for setup: WPS (Wi-Fi Protected Setup) and Web Interface.

3.1 WPS (Wi-Fi Protected Setup) Method

This is the simplest method for extending your wireless network.

1. Plug the NEWFAST RE523 extender into a power outlet near your main wireless router.
2. Wait for the extender to power on and the WiFi indicator light to stabilize.
3. Press the WPS button on your main wireless router.

4. Within 2 minutes, press and hold the WPS/Reset button on the NEWFAST RE523 extender for 2-3 seconds.
5. The WPS indicator on the extender will flash, indicating it is attempting to connect.
6. Once the connection is successful, the WiFi indicator on the extender will show a stable signal, and the extender will broadcast an extended network with your existing WiFi name (SSID) followed by '_EXT' or similar.

WiFi Repeater can connect to various wired devices

TV Box Webcams Printers PS3/4 Computers

One-Tap Connection Setup
Easy To Install Using WPS Button

Press WPS button on your main wireless router

Press the WPS button of our wifi repeater for 2-3 seconds(Long press), wait for data configuration, Setup complete.

Figure 3.1: WPS One-Tap Connection Setup.

3.2 Web Interface Method

If your router does not support WPS or you prefer manual configuration, use the web interface.

1. Plug the NEWFAST RE523 extender into a power outlet.
2. Connect your computer or mobile device to the extender's default WiFi network (e.g., 'NEWFAST_EXTENDER' or similar, usually found on a label on the device). No password is required initially.
3. Open a web browser and enter the default IP address (e.g., 192.168.10.1) or domain name (e.g., re.newfast.com) provided in the quick start guide or on the device label.
4. Log in using the default username and password (e.g., 'admin' for both).
5. Follow the on-screen instructions to select your main WiFi network, enter its password, and configure the

extender's settings.

6. Once configured, the extender will restart and broadcast the extended network.

4. OPERATING MODES

The NEWFAST RE523 supports multiple operating modes to suit various networking needs.



Figure 4.1: Multiple Operating Modes.

- **Repeater Mode (Default):** Extends the coverage of an existing wireless network. Ideal for eliminating WiFi dead zones in homes.
- **AP (Access Point) Mode:** Converts a wired network connection into a wireless access point. Useful for adding WiFi capability to a wired-only network.
- **Router Mode:** Functions as a primary router, creating a new private network. Connects to a modem via Ethernet.
- **Bridge Mode:** Connects two separate network segments, often used to connect wired devices to a wireless network.
- **Client Mode:** Allows wired devices (e.g., smart TV, gaming console) to connect to a wireless network via the

extender's Ethernet port.

5. NETWORK SECURITY

The NEWFAST RE523 supports robust security protocols to protect your wireless network.



Figure 5.1: Encryption and Network Security Features.

- **Supported Protocols:** WPA, WPA2, WPA-PSK, WPA2-PSK, WPS.
- **MAC Address Filtering:** Allows you to specify which devices can connect based on their MAC address.
- **Network Filtering:** Controls access to specific network resources.
- **Domain Filtering:** Blocks access to unwanted websites or domains.

It is recommended to use WPA2-PSK encryption with a strong, unique password for optimal network security. Access these settings via the web interface.

6. TROUBLESHOOTING

If you encounter issues with your NEWFAST RE523 WiFi Extender, refer to the following common problems and solutions.

6.1 No Internet Access After Setup

- **Check Main Router:** Ensure your main router has an active internet connection.
- **Relocate Extender:** The extender might be too far from your main router. Move it closer, ensuring the signal indicator shows a strong connection.
- **Reconfigure:** Try re-running the setup process, ensuring you enter the correct password for your main WiFi network.

6.2 Slow Connection Speed

- **Optimal Placement:** Place the extender halfway between your router and the dead zone. Avoid physical obstructions like thick walls or metal objects.
- **Interference:** Other electronic devices (microwaves, cordless phones) can cause interference. Try moving the extender away from such devices.
- **Band Selection:** For higher speeds, ensure your devices are connecting to the 5GHz band if available and supported.

6.3 Cannot Access Web Management Page

- **Correct IP/Domain:** Verify you are using the correct IP address or domain name (e.g.,192.168.10.1 or re.newfast.com).
- **Direct Connection:** Connect your computer directly to the extender via an Ethernet cable, or ensure you are connected to the extender's WiFi network.
- **Browser Cache:** Clear your browser's cache and cookies, or try a different browser.

6.4 Factory Reset

If problems persist, you can perform a factory reset:

1. With the extender powered on, use a pin or paperclip to press and hold the WPS/Reset button for approximately 8-10 seconds until the lights flash.
2. Release the button. The extender will restart with factory default settings.
3. You will need to reconfigure the extender after a factory reset.

7. SPECIFICATIONS

Feature	Description
Model	RE523
Wireless Standard	802.11a/b/g/n/ac
Data Transfer Rate	Up to 1200 Mbps (867 Mbps on 5GHz, 300 Mbps on 2.4GHz)
Frequency Band	Dual-Band (2.4 GHz & 5 GHz)
Antennas	4 x 5dBi High Gain External Antennas
Operating Modes	Repeater, AP, Router, Bridge, Client
Security Protocols	WPA, WPA2, WPA-PSK, WPA2-PSK, WPS

Ports	1 x RJ45 Ethernet Port
Dimensions (L x W x H)	1.77 x 3.38 x 7.75 inches (45 x 86 x 197 mm)
Item Weight	8.4 ounces (238 grams)

8. WARRANTY AND SUPPORT

NEWFAST products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official NEWFAST website. Keep your purchase receipt for warranty claims.

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

Anonymous

Email

you@example.com

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