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NEWFAST NF-RE523

NEWFAST AC1200 WiFi Extender User Manual (Model: NF-RE523)

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your NEWFAST AC1200 WiFi Extender. Please read thoroughly before use.

Product Overview

The NEWFAST AC1200 WiFi Extender (Model NF-RE523) is designed to expand your existing Wi-Fi network coverage, eliminate dead zones, and provide stable, high-speed internet access throughout your home or office. Featuring dual-band technology (2.4GHz and 5GHz) and four external antennas, it offers up to 1200Mbps total bandwidth and supports connection for up to 35 devices. Its compact design and multiple operating modes make it a versatile solution for various networking needs.

Image: Front view of the NEWFAST AC1200 WiFi Extender, showcasing its four adjustable antennas and compact black design.

Important Safety Information

- Ensure the device is plugged into a stable power outlet with the correct voltage.
- Do not expose the device to water, moisture, or extreme temperatures.
- Avoid placing the device near heat sources or in direct sunlight.
- Do not attempt to disassemble or repair the device yourself. Contact qualified personnel for service.
- Keep the device away from children and pets.
- Use only the accessories provided or recommended by the manufacturer.

What's in the Box

- 1 x Dual Band WiFi Extender (NEWFAST NF-RE523)
- 1 x User Manual
- 1 x RJ-45 Ethernet Cable

Setup Instructions

Follow these steps to set up your NEWFAST AC1200 WiFi Extender using a web browser. For visual guidance, refer to the installation video below.

Video Guide: NF-RE523 Installation Program Guide

Your browser does not support the video tag.

Video: A step-by-step guide demonstrating the installation process of the NEWFAST NF-RE523 WiFi Extender via a web browser interface.

1. **Plug in the Extender:** Plug your WiFi extender into a power outlet near your WiFi router. Wait until the LCD screen turns solid on, indicating it's ready for setup.

Image: The WiFi extender plugged into a wall socket, illustrating its ability to connect to various wired devices via its Ethernet port, such as a TV box, webcams, printers, gaming consoles, and computers.

2. **Connect to Extender's Default SSID:** Connect your computer or smartphone to the WiFi extender using its default SSID (e.g., NEWFAST-2G or NEWFAST-5G). Ensure you keep this default connection during installation. If necessary, temporarily disconnect any Ethernet cables from the extender.
3. **Access Web Interface:** Launch a web browser on your connected device and visit **http://192.168.10.1**. The configuration webpage should pop up automatically.
4. **Login:** Enter the default password "admin" (the username is also "admin") and click "LOGIN" or "SET PASSWORD".
5. **Scan for Networks:** The WiFi extender will scan for available WiFi networks in your area.
6. **Select Network to Extend:** From the list, select the WiFi network you wish to extend. You can customize the extended network name or keep the default name during setup.
7. **Enter WiFi Password:** Finally, enter the password for your main WiFi network (the one you selected to extend) and click "Save Setting". Wait for the setup to complete; the WiFi extender will reboot automatically.
8. **Verify Connection:** After reboot, connect your devices to the newly extended WiFi network. The password for the extended network will be the same as your main router's password. Check the LCD display on the extender to confirm successful internet connection.
9. **Relocate for Optimal Coverage:** For best results, relocate the WiFi extender about halfway between your router and

the WiFi dead zone. Place it in an open, unobstructed area and keep it away from large appliances that may cause interference.

Image: A diagram illustrating the physical dimensions of the WiFi extender and detailing the various indicators on its LCD screen, including Network Indication, WiFi Indication, WPS Indication, and Network Port Indication.

Operating Modes and Functions

The NEWFAST AC1200 WiFi Extender supports multiple operating modes to suit various networking requirements:

- **Repeater Mode/Bridge Mode:** Extends your existing WiFi signal, eliminating dead zones and improving coverage. This is ideal for large homes or offices where the main router's signal is weak in certain areas.
- **AP (Access Point) Mode:** Converts a wired internet connection into a wireless access point. This is useful for adding Wi-Fi capability to a wired network or creating a new Wi-Fi hotspot.
- **Router Mode:** Allows the device to function as a regular router, creating a WiFi network for devices to connect to the internet, forward packets, and provide network security and traffic control.
- **Client Mode:** Turns a wireless signal into a wired network connection, useful for connecting wired-only devices to a

wireless network.

Image: Visual representation of the five operating modes of the WiFi extender, showing how it can function as a repeater, access point, router, or client in various environments like home, hotel, office, or cafe.

Dual-Band Technology

The extender utilizes dual-band technology, supporting both 2.4GHz and 5GHz frequencies. The 2.4GHz band provides wider coverage and better penetration through walls, while the 5GHz band offers faster speeds for activities like HD video streaming and online gaming.

Fast Ethernet Port

Equipped with one Fast Ethernet port, the extender allows you to connect wired devices such as gaming consoles, smart TVs, or desktop computers directly for a stable and reliable connection.

WPS Function

The WPS (Wi-Fi Protected Setup) button provides a quick and easy way to connect the extender to your main router without manual configuration. Simply press the WPS button on your router, then on the extender, and they will automatically establish a secure connection.

Image: An illustration highlighting the extender's coverage area of up to 1500 sq.ft. and speeds up to 1200Mbps, along with its network security features including WPA-PSK, WPA2-PSK, MAC address filtering, network filtering, and domain filtering, ensuring no WiFi dead zones.

Maintenance

- **Optimal Placement:** Ensure the extender is placed in an open, unobstructed location, away from large metal objects, concrete walls, and large electrical appliances (like microwaves or refrigerators) that can cause signal interference.
- **Regular Reboots:** Periodically rebooting the extender (unplugging it for 10 seconds and plugging it back in) can help clear its memory and improve performance and stability.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Firmware Updates:** Check the manufacturer's official website periodically for firmware updates. Keeping the firmware updated can improve performance, add new features, and enhance security.

TROUBLESHOOTING

Problem	Possible Cause / Solution
No internet access after setup.	Ensure the extender is successfully connected to your main router. Check the LCD display for internet connection status. Verify that you entered the correct WiFi password for your main router during setup. Reboot both your main router and the extender.
Weak signal from the extender.	Relocate the extender to a position halfway between your router and the desired coverage area. Ensure there are no major obstructions (thick walls, metal objects) between the extender and your devices. Check for interference from other electronic devices.
Cannot access the web management page (192.168.10.1).	Ensure your device is connected to the extender's default SSID (e.g., NEWFAST-2G or NEWFAST-5G), not your main router's WiFi. Clear your browser's cache and cookies, or try a different browser. Temporarily disable any VPN or firewall software on your computer.
Forgotten login password for the web management page.	The default password is "admin". If you changed it and forgot, you will need to reset the extender to factory defaults. To reset, press and hold the WPS/Reset button for approximately 8-10 seconds until the lights flash. The extender will then revert to its factory settings.

Image: An internal view of the NEWFAST WiFi Extender, highlighting its high-performance chip, heat dissipation design, WPS/Reset button, Ethernet port, and four external antennas, designed for stronger anti-interference and high speed.

Technical Specifications

Feature	Detail
Brand	NEWFAST
Model	NF-RE523
Product Dimensions	3.38 x 1.77 x 7.75 inches
Item Weight	8.1 ounces

Feature	Detail
Wireless Communication Standard	802.11a/b/g/n/ac
Data Transfer Rate	1200 Megabits Per Second (Mbps)
Frequency Band Class	Dual-Band (2.4GHz / 5GHz)
Special Features	360 Degree Rotatable Antennas, Access Point Mode, 1-Tap Setup (WPS), LCD Display
Antennas	4 High-Performance External Antennas
Ethernet Port	1 x Fast Ethernet Port
Security Protocols	WPA-PSK, WPA2-PSK, WPA, WPA2

Warranty and Support

For warranty information and technical support, please refer to the contact details provided with your product packaging or visit the official NEWFAST website. Keep your purchase receipt for warranty claims.
Manufacturer: NEWFAST

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