

**NEWFAST NF-RE523-EU**

# NEWFAST 1200 Mbit/s Dualband WiFi Repeater User Manual

Model: NF-RE523-EU

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your NEWFAST 1200 Mbit/s Dualband WiFi Repeater. Please read this manual carefully before using the device to ensure optimal performance and safety.

## SAFETY INFORMATION

- Keep the device away from water and high humidity.
- Do not expose the device to extreme temperatures.
- Do not attempt to disassemble or repair the device yourself. Contact qualified personnel for service.
- Use only the power adapter supplied with the device.
- Ensure proper ventilation around the device.

## PACKAGE CONTENTS

Please check the package contents upon unboxing. If any items are missing or damaged, contact customer support.

- NEWFAST 1200 Mbit/s Dualband WiFi Repeater (Model: NF-RE523-EU)
- Ethernet Cable
- Quick Installation Guide

## PRODUCT OVERVIEW

The NEWFAST Dualband WiFi Repeater is designed to extend your existing Wi-Fi coverage, eliminating dead zones and providing a stable, high-speed internet connection throughout your home or office. It supports both 2.4GHz and 5GHz bands for versatile connectivity.



Figure 1: Front view of the NEWFAST Dualband WiFi Repeater, showing its antennas and LED indicators.

## Components:

- **Antennas:** Four external antennas for enhanced signal reception and transmission.
- **LED Indicators:** Signal strength, Power, WPS, LAN/WAN status.
- **WPS Button:** For quick and secure connection to your router.
- **Reset Button:** To restore factory default settings.
- **LAN/WAN Port:** For wired connections to devices or router.
- **Power Plug:** For connecting to an electrical outlet.

## SETUP

### Method 1: WPS Setup (Recommended)

1. Plug the NEWFAST Repeater into an electrical outlet near your main router. Wait for the Power LED to turn solid.
2. Press the WPS button on your main router.
3. Within 2 minutes, press the WPS button on the NEWFAST Repeater.
4. The Signal LED on the repeater will blink and then turn solid, indicating a successful connection.
5. Unplug the repeater and move it to a location between your router and the Wi-Fi dead zone. Ensure the Signal LED remains solid for optimal performance.

### Method 2: Web Browser Setup

1. Plug the NEWFAST Repeater into an electrical outlet.
2. Connect your computer or mobile device to the repeater's default Wi-Fi network (e.g., "NEWFAST\_XXXX" or "NEWFAST\_XXXX\_5G"). No password is required initially.
3. Open a web browser and enter [192.168.10.1](http://192.168.10.1) (or [repeater.net](http://repeater.net)) in the address bar.
4. Log in using the default username and password (usually "admin" for both).
5. Follow the on-screen instructions to select your main Wi-Fi network and enter its password. You can choose to extend both 2.4GHz and 5GHz bands.
6. Once configured, the repeater will restart. Reconnect your devices to the new extended network (e.g., "YourNetworkName\_EXT").



Figure 2: Illustration of the WiFi Repeater extending network coverage throughout a multi-story home, eliminating dead spots.

## OPERATING

### Extender Mode

In Extender Mode, the device amplifies your existing Wi-Fi signal to cover a larger area. After successful setup, your devices can connect to the extended network name.

### Access Point (AP) Mode

In AP Mode, the device transforms a wired internet connection into a wireless hotspot. Connect an Ethernet cable from your router's LAN port to the repeater's LAN/WAN port. Configure AP mode via the web interface.

### Router Mode

In Router Mode, the device acts as a primary router, creating a new private network. Connect the internet source (e.g., modem) to the repeater's LAN/WAN port. Configure via the web interface.



Figure 3: The NEWFAST Repeater facilitating connectivity for multiple smart home devices, including mobile phones, cameras, smart TVs, smart sockets, game consoles, and smart bulbs.

## MAINTENANCE

- Keep the device clean and free from dust.

- Avoid placing the device in direct sunlight or near heat sources.
- Periodically check for firmware updates on the NEWFAST official website to ensure optimal performance and security.
- If the device becomes unresponsive, try restarting it by unplugging and re-plugging the power.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power	Device not plugged in; Power outlet faulty.	Ensure the device is securely plugged into a working electrical outlet.
Cannot connect to Repeater Wi-Fi	Incorrect password; Repeater not configured.	Verify the Wi-Fi password. Reconfigure the repeater via web browser if necessary.
Poor Signal Strength	Repeater too far from router; Obstructions.	Relocate the repeater closer to your main router, ensuring it's within optimal range. Minimize physical obstructions.
Internet Access Issues	Router internet issue; Repeater configuration error.	Check if your main router has internet access. Restart both the router and the repeater. Reconfigure the repeater.

## SPECIFICATIONS

- **Model Number:** NF-RE523-EU
- **Brand:** NEWFAST
- **Connectivity Type:** RJ45
- **Wireless Standard:** 802.11ac (Dualband)
- **Maximum Speed:** 1200 Mbit/s
- **Estimated Range:** Approximately 139.35 meters
- **Dimensions (Packaging):** 20.9 x 9.7 x 7.8 cm
- **Weight (Packaging):** 250 Grams
- **First Available Date:** April 15, 2025

## WARRANTY AND SUPPORT

NEWFAST products come with a standard manufacturer's warranty. For detailed warranty terms and conditions, please refer to the warranty card included in your package or visit the official NEWFAST website.

For technical support, troubleshooting assistance, or any product-related inquiries, please contact NEWFAST customer service through their official website or the contact information provided in the quick installation guide.

**Official Website:** [www.newfast.com](http://www.newfast.com) (Note: This is a placeholder URL, please refer to your product documentation for the actual support website.)

