# NEWFAST AC1200

## NEWFAST AC1200 Dual Band WiFi Extender

Instruction Manual

Model: AC1200 | Brand: NEWFAST

## 1. INTRODUCTION

The NEWFAST AC1200 Dual Band WiFi Extender is designed to expand your existing wireless network coverage, eliminate Wi-Fi dead zones, and provide a stable, high-speed internet connection throughout your home or office. This device supports dual-band operation, offering speeds up to 300Mbps on the 2.4GHz band and 867Mbps on the 5.8GHz band, totaling 1200Mbps. It features four external 180° rotatable antennas for enhanced signal reception and an intelligent LCD display for easy monitoring.



Image: The NEWFAST AC1200 WiFi Extender illustrating its dual-band capabilities with 867Mbps on 5.8GHz and 300Mbps on 2.4GHz, designed for universal compatibility.

## 2. PRODUCT OVERVIEW

### 2.1 What's in the Box

- 1 x NEWFAST AC1200 WiFi Repeater
- 1 x Ethernet Cable
- 1 x Multi-language Instruction Manual (this document)

### 2.2 Device Components

Familiarize yourself with the key components of your NEWFAST AC1200 WiFi Extender:
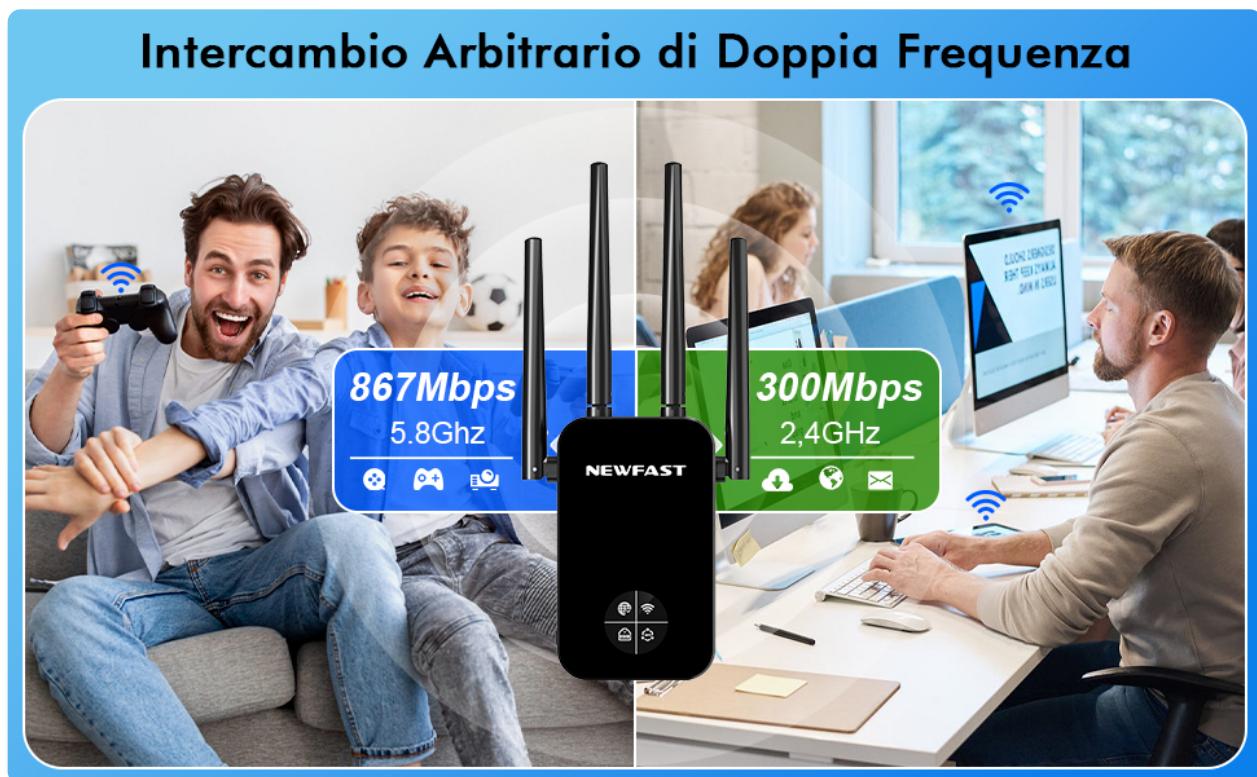


Image: Front and side view of the NEWFAST AC1200 WiFi Extender, highlighting its dimensions (197mm height, 62mm width, 22mm depth) and key indicators: Network Indicator, WiFi Indicator, WPS Indicator, and Network Port Indicator. The four external antennas are shown to be 180° rotatable.

- **4 External Antennas:** Rotatable 180 degrees for optimal signal direction and coverage.
- **Intelligent LCD Display:** Provides real-time status updates for network, WiFi, WPS, and network port activity.
- **WPS/Reset Button:** Used for quick setup via WPS or to reset the device to factory settings.
- **Ethernet Port:** For wired connections in AP, Router, or Client modes.
- **Heat Dissipation Vents:** Designed to maintain optimal operating temperature.
- **High-Performance Chip:** Ensures stable and fast data transfer.

Image: An exploded view of the NEWFAST AC1200 WiFi Extender, showing its internal high-performance chip, heat dissipation design, WPS/Reset button, and Ethernet port, along with the four external antennas.

## 3. SETUP

The NEWFAST AC1200 WiFi Extender offers two primary methods for setup: WPS (Wi-Fi Protected Setup) for quick configuration, and web interface setup for more detailed control.

### 3.1 WPS (Wi-Fi Protected Setup)

This is the quickest way to set up your extender if your main router supports WPS.

1. **Power On:** Plug the NEWFAST AC1200 WiFi Extender into an electrical outlet near your main router.

2. **Activate Router WPS:** Press the WPS button on your main wireless router. Refer to your router's manual for the exact location and procedure.

3. **Activate Extender WPS:** Within 2 minutes, press and hold the WPS button on the NEWFAST extender for 2-3 seconds.

4. **Wait for Connection:** The extender's indicators will flash and then become solid, indicating a successful connection. The extender will automatically copy your router's Wi-Fi name (SSID) and password, adding '_EXT' or similar to the SSID.

**Connessione a un Tasto WPS**
Questo estensionatore WiFi può facilmente espandere la copertura wireless premendo il pulsante WPS sul tuo router originale e su questo ripetitore, richiede solo pochi secondi.

**Display LCD Intelligente**
Il display LCD intelligente dell'estensionatore WiFi ti aiuta a conoscere più facilmente lo stato dei ripetitori

**Estendi il Segnale con più Facilità**
L'estensionatore WiFi è dotato di 4*3dBi di antennae esterne ad alto guadagno che possono eliminare le zone morte e migliorare la tua copertura WiFi esistente.

Image: A visual guide demonstrating the one-key WPS setup process, showing the user pressing the WPS button on both the main router and the NEWFAST extender to establish a connection.

## 3.2 Web Interface Setup

For more control or if your router does not support WPS, use the web interface:

1. **Power On:** Plug the NEWFAST AC1200 WiFi Extender into an electrical outlet.

2. **Connect to Extender:** On your computer or mobile device, connect to the extender's default Wi-Fi network (e.g., "NEWFAST_EXT"). No password is required initially.

3. **Access Web Interface:** Open a web browser (e.g., Chrome, Firefox) and enter the default IP address (usually 192.168.1.1 or 192.168.0.1) or the domain name provided in the quick start guide (e.g., re.newfast.com).

4. **Login:** Enter the default username and password (usually "admin" for both).

5. **Follow On-Screen Instructions:** The setup wizard will guide you through selecting your desired operating mode and configuring network settings.

## 4. OPERATING MODES

The NEWFAST AC1200 WiFi Extender supports multiple operating modes to suit various network requirements:
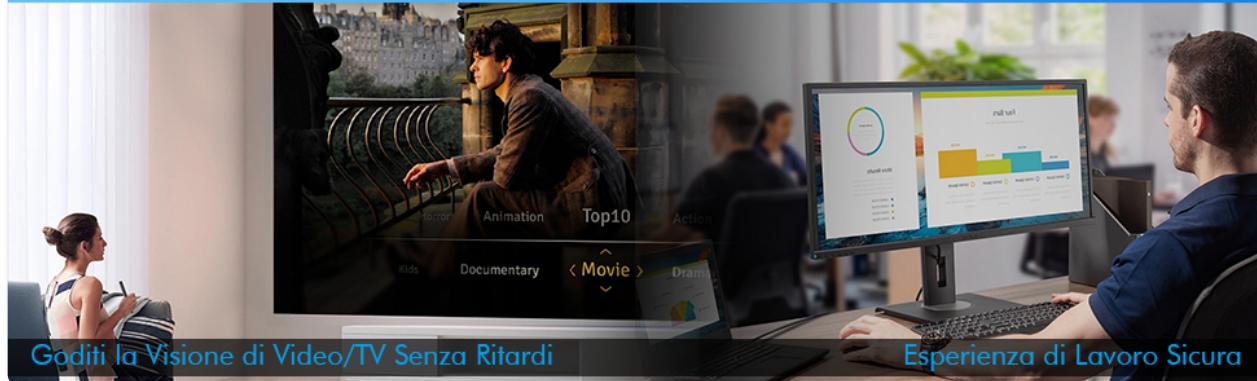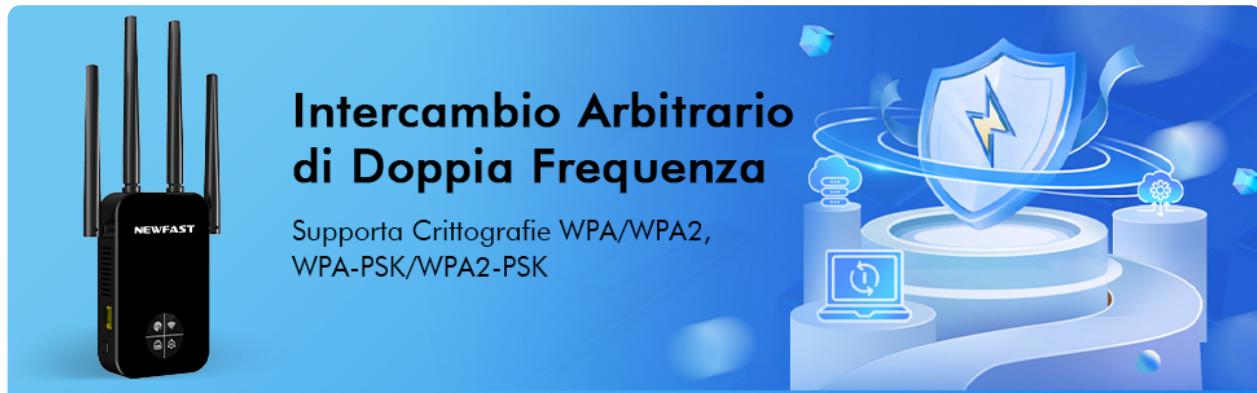
Image: Visual representation of the five operating modes: Repeater/Bridge for home, AP for hotel, and Router/Client for office/cafe environments, showing how the extender adapts to different network setups.

- **Repeater Mode:** Extends the coverage of an existing wireless network. This is ideal for eliminating Wi-Fi dead zones in your home or office.

- **Bridge Mode:** (Often integrated with Repeater or AP functionality) Allows the extender to connect to a wireless network and provide a wired connection to a device that does not have Wi-Fi capabilities.

- **AP (Access Point) Mode:** Converts a wired internet connection into a wireless hotspot. This is useful in locations like hotels or offices where only wired internet is available.

- **Router Mode:** Functions as a standard wireless router, creating a new private network from a modem connection.

- **Client Mode:** Connects a wired-only device (e.g., smart TV, game console, desktop PC) to an existing wireless network. The extender acts as a wireless adapter for the wired device.

You can switch between these modes via the web interface setup, adapting the extender to your specific networking needs.

Image: Examples of multi-scenario applications for the NEWFAST AC1200 WiFi Extender, including offices, hotels, cafes, warehouses, libraries, and homes, demonstrating its compatibility with various devices like iPads, computers, mobile phones, and laptops, supporting up to 35 wireless devices simultaneously.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your NEWFAST AC1200 WiFi Extender, follow these maintenance guidelines:

- **Placement:** Place the extender in a well-ventilated area, away from direct sunlight, heat sources, and moisture. Avoid placing it near large metal objects or other electronic devices that may cause interference.
- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or aerosols.
- **Firmware Updates:** Periodically check the NEWFAST official website for firmware updates. Keeping your device's firmware up-to-date can improve performance, security, and add new features.
- **Avoid Obstructions:** Ensure the antennas are not obstructed and are positioned for the best signal reception.



Images: The NEWFAST AC1200 WiFi Extender highlighting its heat dissipation design and the high-gain antennas, which improve signal sensitivity and reduce loss through walls.

## 6. TROUBLESHOOTING

If you encounter issues with your NEWFAST AC1200 WiFi Extender, refer to the following common problems and solutions:

1. **No Signal or Weak Signal:**

   - **Check Placement:** The signal extension range is affected by house structure and environment. Move the extender closer to your main router, ensuring it's within the router's signal range.
   - **Obstacles:** Walls, large metal objects, and other electronic devices can interfere with the signal. Try to minimize these obstructions.
   - **Antenna Adjustment:** Adjust the 180° rotatable antennas for optimal signal reception.

2. **Slow Connection Speed:**

   - **Upstream Speed:** The speed after extension primarily depends on the speed of your main router and internet service provider.
   - **Interference:** Other wireless devices or neighboring Wi-Fi networks can cause interference. Try changing the Wi-Fi channel on your main router if possible.
   - **Device Load:** Connecting too many devices (up to 35 supported) can impact speed.

3. **WPS Setup Fails:**

   - **Timing:** Ensure you press the WPS button on the extender within 2 minutes of pressing it on the router.
   - **Router Compatibility:** Not all routers support WPS. If WPS fails repeatedly, use the web interface setup method.

4. **Cannot Access Web Interface:**

   - **Correct IP/Domain:** Double-check the IP address or domain name (e.g.,re.newfast.com).
   - **Connected to Extender:** Ensure your device is connected to the extender's default Wi-Fi network, not your main router's network.
   - **Reset:** If all else fails, perform a factory reset by pressing and holding the WPS/Reset button for about 10 seconds until the indicators flash. Then, try setting up again.

If these steps do not resolve your issue, please refer to the Warranty & Support section for further assistance.

## 7. SPECIFICATIONS

| Feature | Detail |
| --- | --- |
| Brand | NEWFAST |
| Model | AC1200 |
| Dimensions | 21.1 x 9.7 x 7.7 cm |
| Weight | 240 grams |
| Data Transfer Rate | 1200 Megabits per second (300Mbps 2.4GHz + 867Mbps 5.8GHz) |
| Wireless Type | 802.11a/b/g/n/ac |

| | |
|---|---|
| Frequency Band Class | Dual Band |
| Antennas | 4 External, 180° Rotatable, High-Gain |
| Security | WPA-PSK / WPA2-PSK, WPA / WPA2 |
| Additional Features | Smart LCD Display, Ethernet Port, One-click WPS setup, Supports Repeater/Router/AP/Bridge/Client modes |
| Included Components | 1 * AC1200 WiFi Repeater, 1 * Ethernet Cable, 1 * Multi-language Instruction Manual |

## 8. WARRANTY & SUPPORT

### 8.1 Warranty Information

For detailed warranty information, please refer to the product packaging or the official NEWFAST website. Keep your purchase receipt as proof of purchase for warranty claims.

### 8.2 Customer Support

If you have any questions, encounter issues, or require technical assistance with your NEWFAST AC1200 WiFi Extender, please contact NEWFAST customer support. Contact details can typically be found on the product packaging, the official NEWFAST website, or through your retailer.