



## WiFi Extender Signal Booster

# User Manual for WiFi Extender Signal Booster

Model: WiFi Extender Signal Booster

## 1. INTRODUCTION

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Thank you for choosing the WiFi Extender Signal Booster. This manual provides detailed instructions on how to set up, operate, and maintain your device to ensure optimal performance and extend your wireless network coverage effectively. Please read this manual thoroughly before using the product.

## 2. PRODUCT OVERVIEW

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The WiFi Extender Signal Booster is designed to eliminate Wi-Fi dead zones and expand the reach of your existing wireless network. Featuring 6 powerful antennas and dual-band technology (2.4GHz and 5GHz), it delivers stable and high-speed internet connectivity across a wide area, supporting up to 45 devices simultaneously.



Figure 2.1: The WiFi Extender Signal Booster with its six antennas, shown plugged into a standard wall outlet, illustrating its compact design and signal broadcasting capability.

### 3. PACKAGE CONTENTS

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Please verify that all items are present in your package:

- 1 x WiFi Extender Signal Booster Unit
- 1 x 10-foot Ethernet Cable
- 1 x User Manual (this document)

### 4. KEY FEATURES

- **Extended Coverage:** Designed to cover areas up to 10,000 sq. ft., effectively eliminating Wi-Fi dead zones.
- **Powerful Antennas:** Equipped with 6 external high-gain antennas for strong, stable signal and improved penetration.
- **Dual-Band Technology:** Supports both 2.4GHz (up to 300Mbps) and 5GHz (up to 866Mbps) bands for versatile and high-speed connections.

## 1200Mbps Dual-Band WiFi Extender



Figure 4.1: Illustration of the dual-band capabilities, showing 5.0GHz (867Mbps) for high-bandwidth activities like streaming and gaming, and 2.4GHz (300Mbps) for general internet use.

- **Strong Penetrability:** Advanced design allows signals to pass through walls more effectively, ensuring consistent coverage throughout your home or office.

# STRONG PENETRABILITY

No pressure signal goes through the walls.

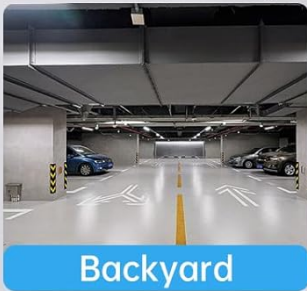


Figure 4.2: Depiction of the extender's strong penetrability, demonstrating how the signal can reach different areas of a multi-story home, including basements, attics, backyards, and garages.

- **Wide Compatibility:** Connects with any brand of router or access point and supports up to 45 devices, including smartphones, laptops, gaming consoles, smart home devices, and more.

# Wide compatibility Connect up to 45 Devices

**CONNECT  
UP TO  
45  
DEVICES**

Figure 4.3: Visual representation of the extender's wide compatibility, showing multiple users and a range of devices that can connect simultaneously.

- **Enhanced Security:** Utilizes bank-grade financial security smart chip and supports WPA/WPA2 security protocols to protect your network and data.
- **Versatile Performance:** Offers better wireless performance for streaming HD video and online gaming.



Figure 4.4: The extender providing improved wireless performance, suitable for activities like streaming and online fitness.

## 5. SETUP GUIDE

The WiFi Extender Signal Booster offers three primary operating modes: AP Mode, Repeater Mode, and Router Mode. Choose the mode that best suits your network needs.

# 3 In 1 Mode Application



Figure 5.1: Overview of the 3-in-1 mode application, detailing AP Mode, Repeater Mode, and Router Mode connections.

## 5.1. Initial Setup (Web Browser Method)

1. **Power On:** Plug the WiFi Extender into a power outlet near your main router. Wait for the indicator lights to stabilize.
2. **Connect to Extender:** On your computer or smartphone, connect to the extender's default Wi-Fi network (e.g., "WiFi\_Extender" or similar, check the label on the device). No password is required for the initial connection.
3. **Access Setup Page:** Open a web browser (e.g., Chrome, Firefox, Safari) and enter the default IP address or web address provided in the quick start guide (often 192.168.1.1 or extender.local).
4. **Login:** Enter the default username and password (usually "admin" for both, check the device label or quick start guide).
5. **Select Mode:** Follow the on-screen instructions to select your desired operating mode (Repeater, AP, or Router).
6. **Configure Settings:**
  - **Repeater Mode:** Select your existing Wi-Fi network from the list, enter its password, and choose a new name for your extended network (or keep the same name).

- **AP Mode:** Connect the extender to your router via the provided Ethernet cable. Configure a new Wi-Fi network name (SSID) and password for the extender.
  - **Router Mode:** Connect the extender to your modem via the Ethernet cable. Configure your internet connection type (e.g., PPPoE, Dynamic IP) and set up your new Wi-Fi network name (SSID) and password.
7. **Apply Settings:** Save your settings. The extender will restart.
  8. **Relocate Extender:** Once configured, unplug the extender and move it to a location halfway between your router and the Wi-Fi dead zone. Ensure the signal indicator lights show a good connection.

## 5.2. WPS Button Setup (Repeater Mode Only)

For a quick setup in Repeater Mode, you can use the WPS (Wi-Fi Protected Setup) button:

1. **Power On:** Plug the WiFi Extender into a power outlet near your main router.
2. **Press WPS on Extender:** Press the WPS button on the WiFi Extender. The WPS indicator light will start blinking.
3. **Press WPS on Router:** Within two minutes, press the WPS button on your main router.
4. **Wait for Connection:** The extender will automatically connect to your router. The indicator light will turn solid when the connection is established.
5. **Relocate Extender:** Unplug the extender and move it to an optimal location between your router and the area needing coverage.

## 6. OPERATING MODES EXPLAINED

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Understanding the different operating modes will help you optimize your network setup:

- **Repeater Mode (Range Extender Mode):**

This is the most common mode. The extender wirelessly connects to your existing router and amplifies its signal, extending Wi-Fi coverage to areas with weak or no signal. It uses the same SSID (network name) or a new one, providing seamless roaming or a distinct extended network.

- **AP Mode (Access Point Mode):**

In AP mode, the extender connects to your router via an Ethernet cable and transforms your wired network connection into a wireless one. This is ideal for adding Wi-Fi capability to a wired-only network or creating a new Wi-Fi hotspot in a specific area.

- **Router Mode:**

When set to Router Mode, the device functions as a primary router, connecting directly to your modem via an Ethernet cable. It creates a new private network with its own SSID and password, providing internet access to all connected devices. This mode is suitable if you don't have an existing router or want to replace an old one.

## 7. MAINTENANCE

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To ensure the longevity and optimal performance of your WiFi Extender Signal Booster, consider the following maintenance tips:

- **Optimal Placement:** Position the extender in an open area, away from obstructions like large metal objects, concrete walls, or other electronic devices that may cause interference. A central location between your router and the desired coverage area is usually best.
- **Keep Ventilated:** Ensure the device has adequate ventilation. Do not cover the ventilation holes or place it in an enclosed space to prevent overheating.
- **Regular Cleaning:** Gently wipe the exterior of the device with a soft, dry cloth to remove dust. Do not use liquid

cleaners or abrasive materials.

- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates. Keeping the firmware updated can improve performance, add new features, and enhance security.
- **Power Cycle:** If you experience connectivity issues, try power cycling the extender (unplug it for 10 seconds, then plug it back in). This can often resolve minor glitches.

## 8. TROUBLESHOOTING

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

Problem	Possible Cause / Solution
Extender not showing up in Wi-Fi settings / Cannot connect to extender's network.	<ul style="list-style-type: none"><li>• Ensure the extender is powered on and its indicator lights are active.</li><li>• Try resetting the extender to factory defaults (usually a small reset button, hold for 5-10 seconds).</li><li>• Ensure you are within range of the extender during initial setup.</li></ul>
No internet access after connecting to the extended network.	<ul style="list-style-type: none"><li>• Verify that your main router has an active internet connection.</li><li>• Re-run the setup process to ensure the extender is correctly connected to your main router.</li><li>• Check the password entered for your main Wi-Fi network during setup.</li><li>• Ensure the extender is placed in an optimal location where it receives a strong signal from your main router.</li></ul>
Slow internet speed on the extended network.	<ul style="list-style-type: none"><li>• Relocate the extender closer to your main router to improve signal strength.</li><li>• Reduce interference by moving the extender away from other electronic devices (microwaves, cordless phones).</li><li>• Ensure your main router is providing adequate speed.</li><li>• Consider using the 5GHz band for devices that support it, as it generally offers higher speeds.</li></ul>
Connection drops frequently.	<ul style="list-style-type: none"><li>• Check for firmware updates for the extender.</li><li>• Ensure the extender is not overheating.</li><li>• Try changing the Wi-Fi channel on your main router to avoid congestion.</li><li>• Power cycle both the router and the extender.</li></ul>

## 9. SPECIFICATIONS

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Feature	Detail
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Feature	Detail
Brand	Generic
Model	WiFi Extender Signal Booster
Wireless Standards	IEEE802.11b/g/n
Frequency Bands	2.4GHz and 5GHz Dual Band
Max Speed (2.4GHz)	Up to 300Mbps
Max Speed (5GHz)	Up to 866Mbps
Antennas	6 External High-Gain Antennas
Coverage Area	Up to 10,000 sq. ft.
Compatible Devices	Up to 45 devices (smartphones, laptops, Xbox/PS, IoT devices, etc.)
Security Protocols	WPA/WPA2
Included Components	WiFi Extender, 10-foot Ethernet Cable
Manufacturer	Shenzhen Lingchuangxun Technology Co., Ltd
Date First Available	September 13, 2024

## 10. WARRANTY AND SUPPORT

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This WiFi Extender Signal Booster comes with a **1-Year Warranty Policy**. The manufacturer, Edtiske (as mentioned in feature bullets), provides lifelong technical support for this product. For any technical assistance or warranty claims, please refer to the contact information provided with your purchase or visit the manufacturer's official support channels.