Jancane Jancane WiFi Extender

Jancane WiFi Extender Signal Booster User Manual

Model: Jancane WiFi Extender | Brand: Jancane

1. Introduction

Thank you for choosing the Jancane WiFi Extender Signal Booster. This device is designed to expand your existing wireless network coverage, eliminate Wi-Fi dead zones, and provide a stronger, more reliable signal throughout your home or office. With support for multiple operating modes and easy setup, you can enjoy seamless internet access for all your devices.



Image 1.1: Front view of the Jancane WiFi Extender Signal Booster with its four external antennas.

2. Product Features

The Jancane WiFi Extender offers a range of features to enhance your network experience:

- **Super Signal Coverage:** Boosts wireless coverage up to 10,000 sq.ft with transmission rates up to 300Mbps, ideal for online gaming, video conferencing, and 4K streaming.
- **Multiple Operating Modes:** Supports Repeater, Access Point (AP), and Router modes to suit various network requirements.
- **Wide Compatibility:** Compatible with 802.11N/B/G wireless network devices, including routers, modems, smartphones, tablets, laptops, and smart TVs.

- **Enhanced Security:** Maximizes network security with WPA/WPA2 support, protecting your data and preventing unauthorized access.
- **Easy Setup:** Features one-tap WPS connection and web browser setup options for quick and convenient installation.
- **Ethernet Ports:** Equipped with RJ45 Ethernet ports for wired connections or to convert a wired connection into a wireless access point.



Image 2.1: Detailed view of the extender highlighting 4 high-gain antennas, WiFi Signal LEDs, Anti-inadvertent Reset Button, and 2 Ethernet Ports.



Image 2.2: Illustration of the extender's internal chipset, 2.4GHz band support, 300Mbps speed, and features like durability and easy setup.

3. Setup Guide

There are two primary methods to set up your Jancane WiFi Extender:

3.1. WPS (Wi-Fi Protected Setup) Method (Recommended for quick setup)

1. Plug the WiFi Extender into a power outlet near your main router.
2. Wait for the Power LED on the extender to turn solid.
3. Press the WPS button on your Jancane WiFi Extender.
4. Within 2 minutes, press the WPS button on your main router.
5. The Signal LED on the extender should turn solid, indicating a successful connection.

6. You can now unplug the extender and relocate it to a desired location (see Section 4.3 for optimal placement).



Image 3.1: Visual guide for WPS setup, showing pressing the extender's WPS button, then the router's WPS button, and finally positioning the extender.



Image 3.2: Close-up of the One-Touch Setup (WPS) button on the side of the extender.

3.2. Web Browser Method

1. Plug the WiFi Extender into a power outlet.
2. On your computer, smartphone, or tablet, 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 initially.
3. Open a web browser (Chrome, Firefox, Safari, etc.) and enter the default IP address or domain name (e.g., 192.168.10.1 or repeater.net, refer to the included quick start guide for exact details).
4. Follow the on-screen instructions to select your desired operating mode (Repeater, AP, or Router) and configure network settings, including selecting your main Wi-Fi network and entering its password.
5. Once configured, the extender will restart, and its Signal LED should indicate a successful connection.

4. Operating Modes

The Jancane WiFi Extender supports three main operating modes:

- **Repeater Mode:** Extends the range of your existing wireless network. The extender connects wirelessly to your main router and rebroadcasts the signal, eliminating dead zones. This is the most common use case.
- **Access Point (AP) Mode:** Converts a wired internet connection into a wireless network. Connect the extender to your modem or router via an Ethernet cable, and it will create a new Wi-Fi hotspot.
- **Router Mode:** Functions as a basic router, creating a private network from a DSL or cable modem. This mode is less common for an extender but provides basic routing capabilities.



Image 4.1: Examples of the extender's application in different environments like home, office, restaurant, and hotel, showcasing Repeater and AP modes.

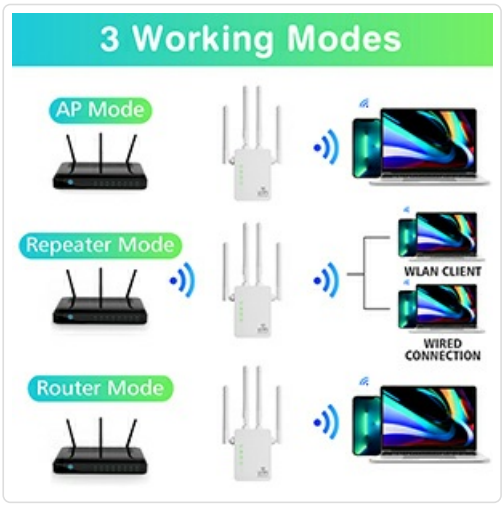


Image 4.2: Illustrates the three working modes: AP Mode (wired to wireless), Repeater Mode (wireless extension), and Router Mode (wired internet to new wireless network).

4.1. Using Ethernet Ports

The extender features RJ45 Ethernet ports. These can be used for:

- Connecting a wired device (e.g., desktop PC, gaming console, smart TV) to the extended Wi-Fi network in Repeater or AP mode.
- Providing the internet source for AP or Router mode.

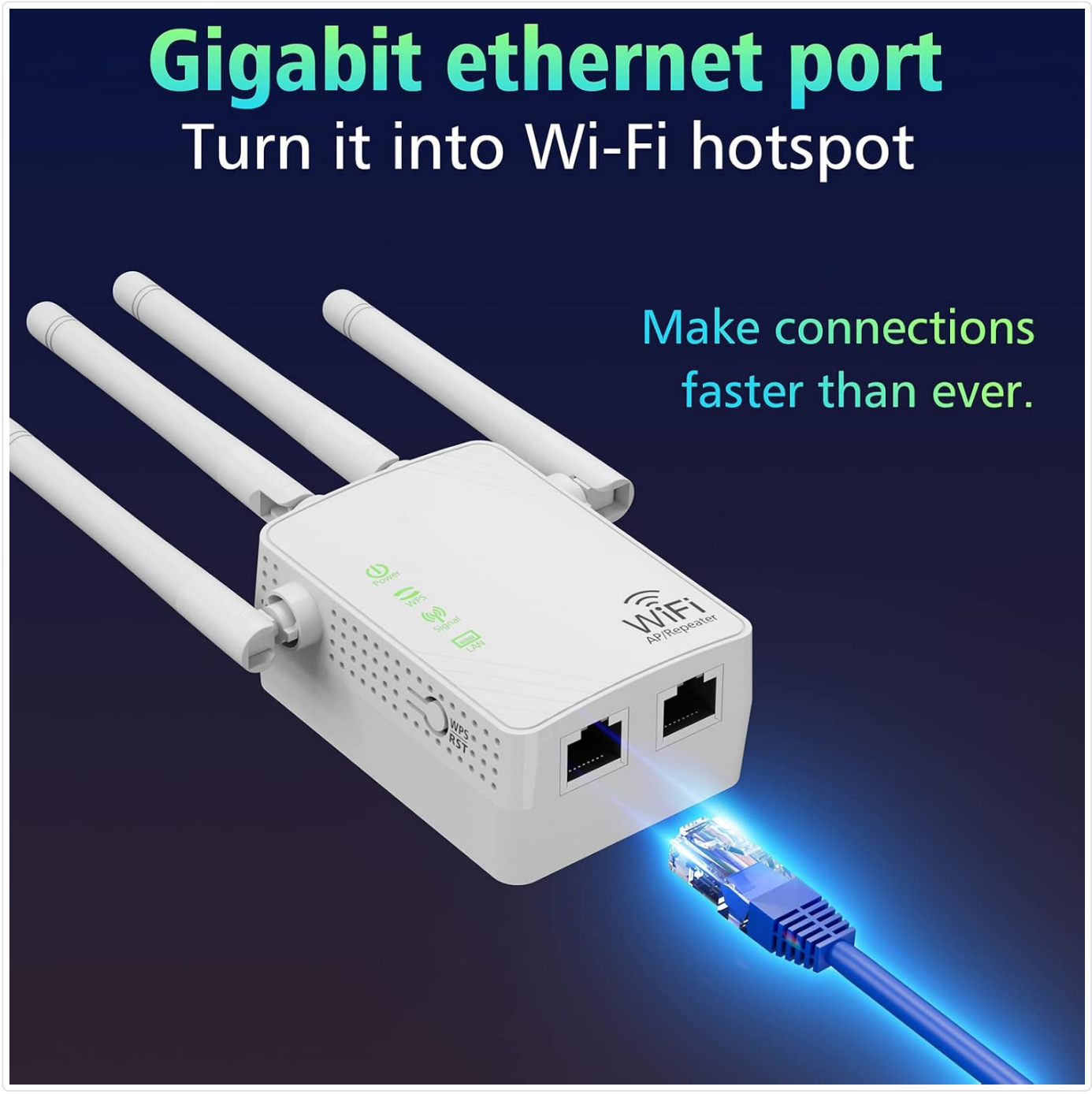


Image 4.3: The extender with an Ethernet cable plugged into one of its ports, demonstrating its capability to turn a wired connection into a Wi-Fi hotspot.

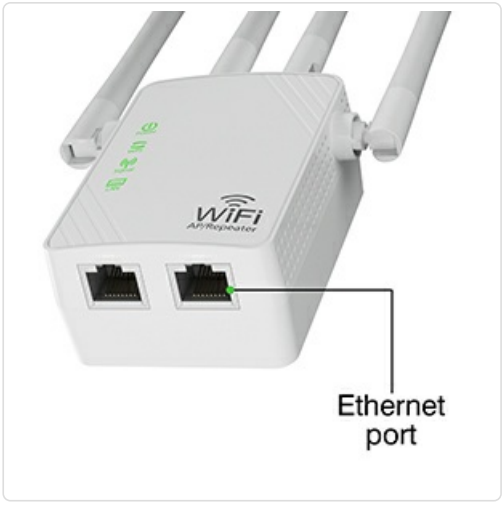


Image 4.4: Close-up view of the Ethernet ports located at the bottom of the extender.

4.2. Optimal Placement

For the best performance, place the extender in a location that is:

- Midway between your main router and the Wi-Fi dead zone you wish to cover.
- Away from large metal objects, concrete walls, or other electronic devices that may cause interference.
- In a clear line of sight to your main router if possible, or with minimal obstructions.

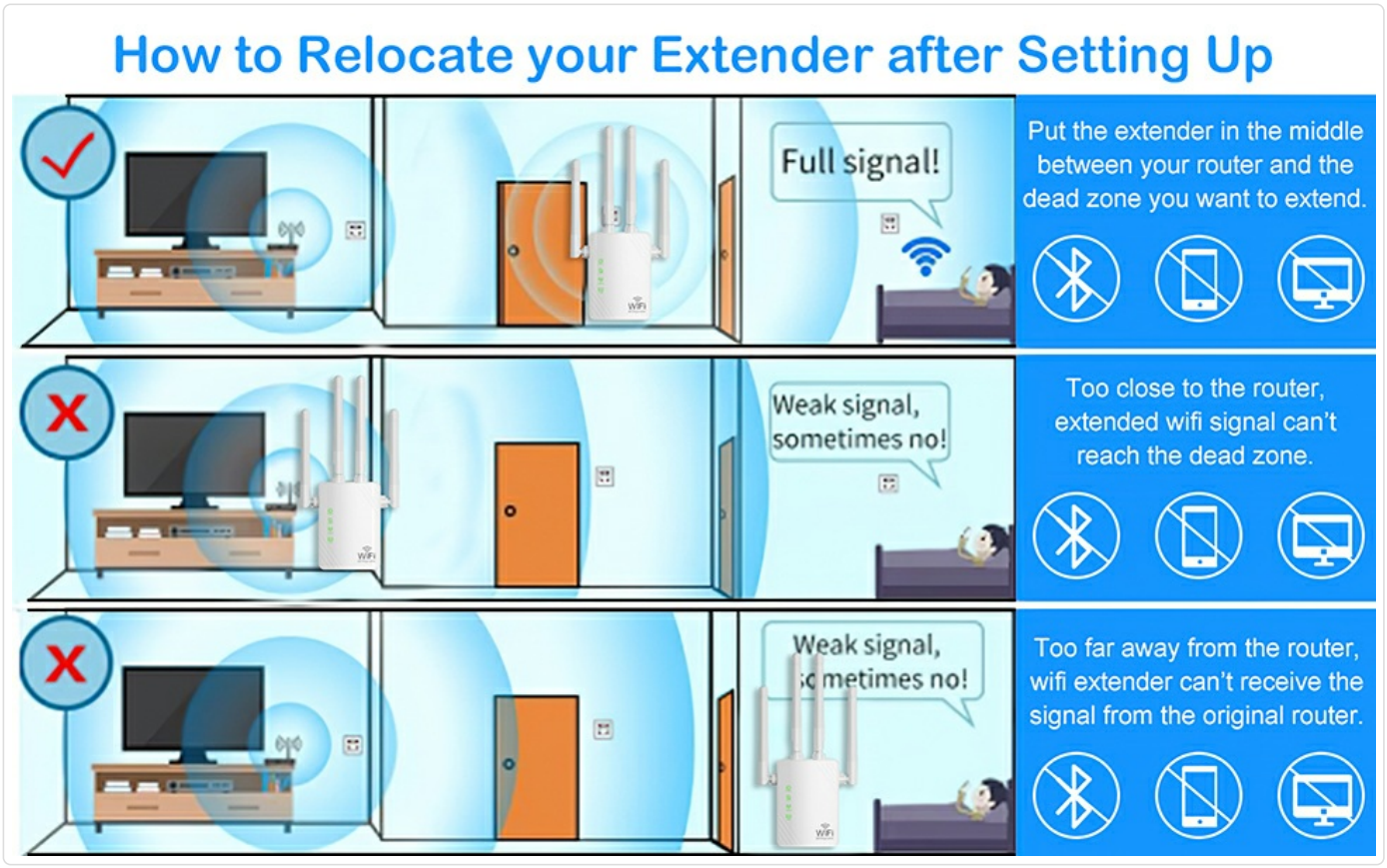


Image 4.5: Visual guide on how to relocate the extender after setup for optimal signal. It shows correct placement between the router and dead zone, and incorrect placements (too close or too far).

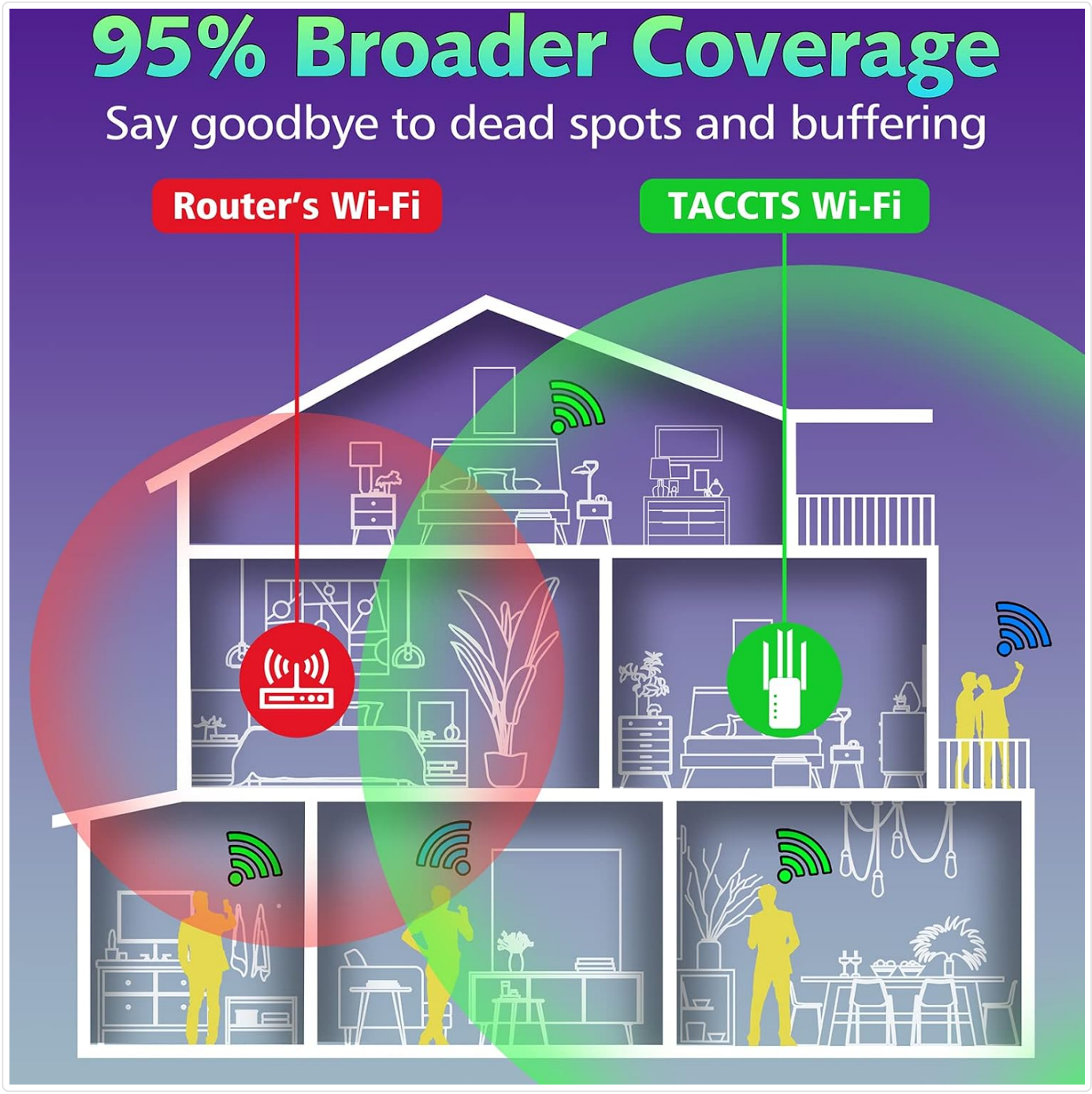


Image 4.6: Illustrates the expanded coverage (95% broader) achieved with the extender compared to a router's Wi-Fi alone, showing how it eliminates dead spots.

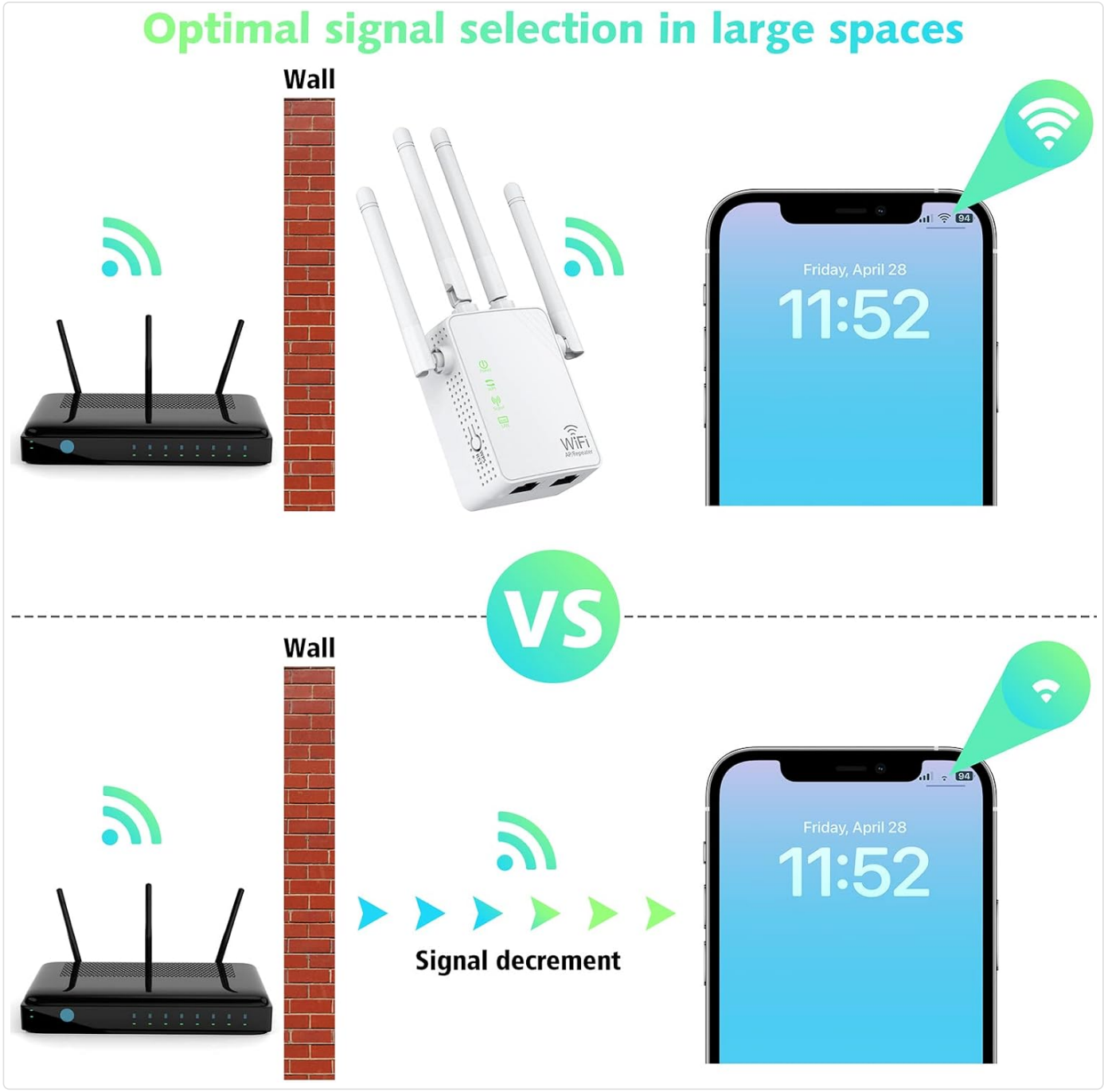


Image 4.7: Compares signal strength when a device is behind a wall directly connected to the router versus when an extender is used to bridge the signal, showing improved signal with the extender.

5. Maintenance

To ensure optimal performance and longevity of your Jancane WiFi Extender:

- **Cleaning:** Gently wipe the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the ventilation holes are not blocked to prevent overheating.
- **Firmware Updates:** Periodically check the manufacturer's website for any available firmware updates. Updating firmware can improve performance, add new features, and fix bugs.
- **Power Cycle:** If you experience persistent issues, try unplugging the extender from the power outlet for 10 seconds and then plugging it back in. This can often resolve minor glitches.

6. Troubleshooting

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

Problem	Possible Cause / Solution
No internet connection after setup.	• Ensure the extender is within range of your main router. • Verify the Wi-Fi password entered during setup is correct. • Try restarting both your main router and the extender.
Slow internet speed.	• Relocate the extender to an optimal position (see Section 4.3). • Reduce interference from other electronic devices. • Ensure your main router's internet speed is adequate.
Cannot connect to the extender's Wi-Fi network.	• Check if the extender is powered on. • Perform a factory reset (see below) and reconfigure.
WPS setup fails.	• Ensure your router supports WPS. • Try the web browser setup method instead. • Ensure you press the WPS buttons within the specified time frame.

6.1. Factory Reset

If the extender is not functioning correctly or you forget your settings, you can perform a factory reset:

1. With the extender powered on, use a paperclip or a thin object to press and hold the Reset button (usually located near the WPS button) for about 5-10 seconds.
2. Release the button when the LEDs flash or the device restarts.
3. The extender will revert to its factory default settings, and you will need to set it up again.

7. Specifications

Feature	Detail
Brand	Jancane
Wireless Communication Standard	802.11n
Data Transfer Rate	300 Megabits Per Second

Feature	Detail
Connector Type	RJ45 (Ethernet)
Color	White-new
Item Weight	5.9 ounces
Package Dimensions	7.28 x 3.86 x 3.03 inches
Operating Modes	Repeater, Access Point (AP), Router
Security Protocols	WPA/WPA2

8. Warranty and Support

Jancane provides a **36-Month Warranty** for this product. If you have any questions or require technical assistance, please do not hesitate to contact Jancane customer support. We offer **24-HOUR technical service** to ensure your satisfaction. For support, please refer to the contact information provided with your product packaging or visit the official Jancane website.

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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

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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