

Aigital ZQ-JPWN532b01

Aigital N300 WiFi Repeater User Manual

Model: ZQ-JPWN532b01

PRODUCT OVERVIEW

The Aigital N300 WiFi Repeater is a versatile networking device designed to extend your existing Wi-Fi coverage and enhance signal strength. It supports multiple operating modes including Repeater, Access Point, and Router, making it suitable for various network setups. Equipped with two high-gain external antennas, it aims to eliminate Wi-Fi dead zones and provide stable internet access throughout your home or office.





Figure 1: Aigial N300 WiFi Repeater, showing its compact design and indicator lights.

This device offers a Wi-Fi transmission speed of up to 300Mbps on the 2.4GHz frequency band, ensuring smooth web browsing and streaming. Its universal compatibility allows it to work with all internet boxes and Wi-Fi routers. Additionally, it features LAN/WAN ports for connecting wired devices, providing a more stable network environment for devices like smart TVs, game consoles, and PCs.



Figure 2: The repeater supports 2.4GHz and up to 300Mbps data transfer speeds.

KEY FEATURES

- **High-Speed Signal:** Achieves Wi-Fi transmission speeds of up to 300Mbps on the 2.4GHz band, ideal for seamless internet use.
- **360° WiFi Coverage:** Features 2 high-gain external antennas to effectively penetrate walls and obstacles, minimizing data loss and eliminating Wi-Fi dead zones.



Figure 3: Two high-gain antennas improve signal coverage and stability.

- **Easy Setup:** Supports one-button setup via the WPS button or a quick 1-minute configuration through a web browser interface, compatible with iOS and Android mobile platforms.
- **Universal Compatibility:** Works with all standard internet boxes and Wi-Fi routers. Includes LAN/WAN ports for connecting wired devices.
- **Multiple Operating Modes:** Configurable as a Repeater, Access Point, or Router to suit different networking needs.

SETUP GUIDE

1. Package Contents

Before you begin, ensure all components are present:

- Aigital N300 WiFi Repeater
- Ethernet Cable
- Quick Installation Guide

2. Powering On

Plug the Aigital N300 WiFi Repeater into a standard electrical outlet. Wait for the Power LED indicator to light up, indicating the device is powered on.



Figure 4: The repeater plugged into a power outlet.

3. WPS (Wi-Fi Protected Setup) Configuration

WPS offers a quick and easy way to extend your Wi-Fi network without manual configuration.

1. Plug the Aigital N300 WiFi Repeater into an electrical outlet near your existing router.

2. Press the WPS button on the Aigital Repeater (refer to Figure 6 for location). The WPS LED will start blinking.
3. Within 2 minutes, press the WPS button on your main Wi-Fi router.
4. Wait for the WPS LED on the repeater to become solid, indicating a successful connection. You can now unplug the repeater and move it to a desired location within your router's Wi-Fi range.



Figure 5: Easy setup using the WPS button on both the repeater and your main router.



Figure 6: Location of the WPS button on the Aigital N300 WiFi Repeater.

4. Web Browser Configuration

If your router does not support WPS, or for more advanced settings, use the web browser method.

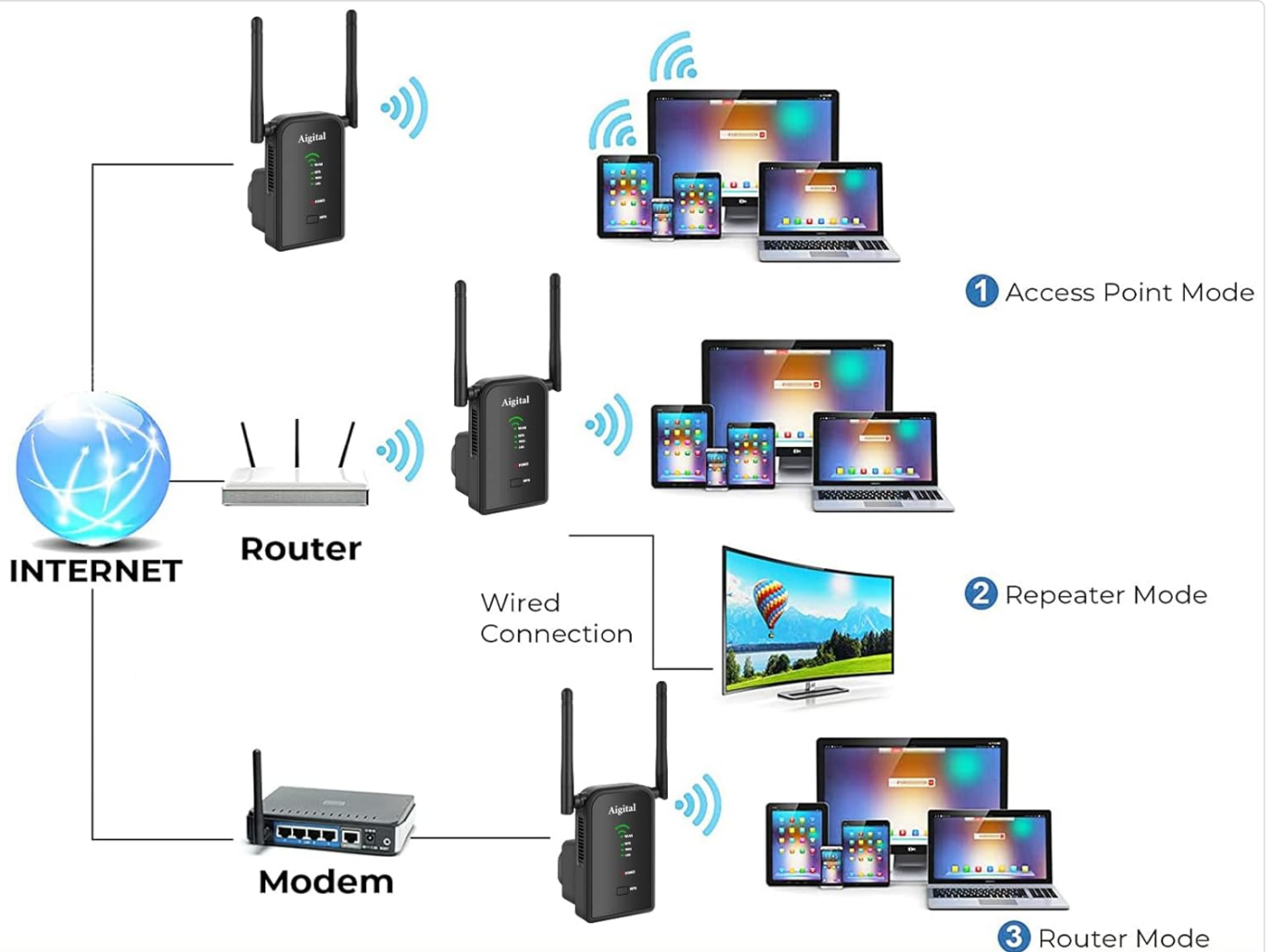
1. Plug the Aigital N300 WiFi Repeater into an electrical outlet.
2. Connect your computer or mobile device to the repeater's default Wi-Fi network (e.g., "Aigital_XXXX"). No password is required initially.
3. Open a web browser (Chrome, Firefox, Safari, etc.) and enter the default IP address or domain name (usually found in the Quick Installation Guide, e.g., <http://192.168.10.1> or <http://aigitalwifi.com>).
4. Follow the on-screen instructions to select your desired operating mode (Repeater, Access Point, or Router) and configure network settings, including Wi-Fi name (SSID) and password.
5. Once configured, the repeater will restart. You can then connect your devices to the new extended Wi-Fi network.

OPERATING MODES

The Aigital N300 WiFi Repeater supports three primary operating modes:

1. Repeater Mode

In Repeater Mode, the device extends the coverage of your existing Wi-Fi network. It receives the wireless signal from your main router and re-transmits it, effectively expanding the range to areas with weak or no signal.



THREE-IN-ONE FEATURE

3 WORKING MODES for Your Choice

Access Point Mode: Turn wired network to wireless

Repeater Mode: Improve the coverage area of wifi signal

Router Mode: Create an instant private wireless network and enable multiple devices to share it

Figure 7: Three-in-one feature diagram, showing Repeater Mode (2).



Figure 8: Visual representation of Repeater Mode in action.

To optimize performance in Repeater Mode, place the device halfway between your router and the area where you need improved Wi-Fi coverage. Ensure the signal strength indicator on the repeater shows a strong or medium signal from your main router.



Figure 9: Signal strength indicators (WLAN LED) on the repeater.

2. Access Point (AP) Mode

In AP Mode, the device transforms a wired network connection into a wireless one. Connect the repeater to your router or modem using an Ethernet cable, and it will broadcast a new Wi-Fi network.



Figure 10: Wired LAN cable connection for Access Point mode.

This mode is useful for adding Wi-Fi capability to a wired-only network or for creating a separate Wi-Fi network in a specific area.

3. Router Mode

In Router Mode, the device acts as a primary router, creating a new private wireless network from a modem connection. This is suitable for small homes or offices that need a basic router function.

Connect the modem's Ethernet cable to the WAN/LAN port of the Aigital N300, and it will establish a new Wi-Fi network for your devices.

CONNECTING WIRED DEVICES

The Aigital N300 WiFi Repeater is equipped with two Ethernet ports (LAN/WAN) that allow you to connect wired devices directly to your network. This provides a stable and high-speed connection for devices that benefit from a wired link, such as desktop computers, gaming consoles, smart TVs, and network printers.

High Performance Speed

With ethernet port, allows you to connect devices such as a game console or a connected TV via a wired connection.



Figure 11: Connecting various devices via Ethernet ports.



Figure 12: Detailed view of LAN/WAN ports and compatible devices.

MAINTENANCE

To ensure optimal performance and longevity of your Aigital N300 WiFi Repeater, follow these maintenance guidelines:

- **Placement:** Place the repeater in an open area, away from large metal objects, concrete walls, and other electronic devices that may cause interference.
- **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 firmware updates to ensure the best performance and security.

TROUBLESHOOTING

If you encounter issues with your Aigital N300 WiFi Repeater, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power LED	Device not plugged in or power outlet issue.	Ensure the repeater is securely plugged into a working electrical outlet. Try a different outlet.
Cannot connect to the repeater's Wi-Fi	Incorrect Wi-Fi password or repeater not broadcasting.	Verify the Wi-Fi password. If newly set up, ensure the repeater has restarted. Try resetting the repeater and reconfiguring.
Weak or unstable extended signal	Repeater placed too far from the main router or too close to interference sources.	Relocate the repeater closer to your main router, ideally halfway between the router and the desired coverage area. Avoid placing near large metal objects or appliances.
Cannot access the web management page	Incorrect IP address, device not connected to repeater's Wi-Fi, or IP conflict.	Ensure your device is connected to the repeater's Wi-Fi. Double-check the IP address (http://192.168.10.1) or domain name (http://aigitalwifi.com). Try clearing your browser's cache.
Internet connection drops frequently	Interference, channel overlap, or outdated firmware.	Try changing the Wi-Fi channel on your main router. Ensure the repeater has the latest firmware. Check for physical obstructions.

If these solutions do not resolve your issue, please contact customer support.

SPECIFICATIONS

Brand	Aigital
Model Number	ZQ-JPWN532b01
Color	Black
Special Features	WiFi Amplifier, 2 Ethernet Ports, Access Point Mode, 360° Coverage, Universal Compatibility

Compatible Devices	Any device capable of connecting to a WiFi network
Connectivity	RJ45 (Ethernet)
Wireless Standard	802.11n (N300)
Frequency Band	2.4 GHz
Max. Data Rate	300 Mbps
Antennas	2 x 3dBi High Gain External Antennas

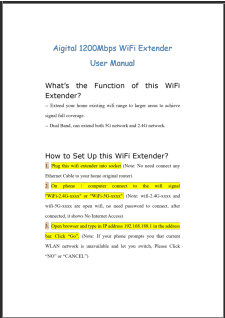

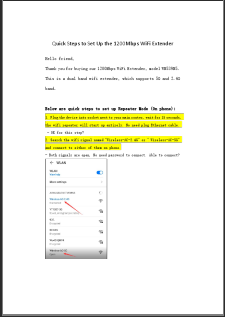
WARRANTY AND SUPPORT

Aigital provides technical support for its products. According to product features, 24/7 technical support is available.

For warranty information, please refer to the documentation included with your purchase or visit the official Aigital website. Information regarding spare parts availability and software updates is not explicitly provided in the product details.

For further assistance, please contact Aigital customer support through their official channels.

Related Documents

	<p>Aigital 1200Mbps WiFi Extender User Manual - Setup and Guide</p> <p>Comprehensive user manual for the Aigital 1200Mbps WiFi Extender. Learn how to set up, connect, and troubleshoot your WiFi range extender for extended coverage.</p>
	<p>AIGITAL Mini Router User Manual: Setup & Troubleshooting Guide</p> <p>Comprehensive user manual for AIGITAL Mini Router, detailing setup instructions for Repeater, AP, and Router modes, including troubleshooting tips and frequently asked questions for optimal wireless network configuration.</p>
	<p>Quick Steps to Set Up the 1200Mbps WiFi Extender</p> <p>A guide to setting up the Aigital 1200Mbps WiFi Extender in Repeater Mode. This dual-band extender supports 5G and 2.4G bands and provides instructions for phone and computer setup, including network selection, password entry, and optional name/password changes.</p>



[N300 WiFi Range Extender Quick Installation Guide](#)

A quick installation guide for the N300 WiFi Range Extender, covering Repeater Mode and AP Mode setup, troubleshooting, and warranty information.