## Aigital B08SW49DHX

# Aigital WiFi Extender Instruction Manual

Model: B08SW49DHX

## 1. Introduction

This manual provides detailed instructions for setting up, operating, and maintaining your Aigital WiFi Extender. This device is designed to expand your existing wireless network coverage, eliminate dead zones, and provide a stable internet connection throughout your home or office. It supports 2.4GHz wireless networks with data transfer rates up to 300Mbps and offers multiple operating modes including Repeater, AP, and Router.

## 2. Product Overview

The Aigital WiFi Extender is a compact device designed for ease of use and effective signal boosting. Familiarize yourself with its components before proceeding with setup.

### 2.1. Device Components


**Image: Product Details.** This diagram illustrates the various ports and LED indicators on the Aigital WiFi Extender, including LAN LED, WAN LED, WPS LED, Power LED, WAN/LAN port, Reset button, and US Plug.

- **LAN LED:** Indicates connection status of the LAN port.
- **WAN LED:** Indicates connection status of the WAN port (used in Router/AP mode).
- **WPS LED:** Indicates WPS function status.
- **Power LED:** Indicates power status.

- **WAN/LAN Port:** Ethernet port for wired connections, functions as WAN or LAN depending on the operating mode.
- **Reset Button:** Used to restore factory default settings.
- **WPS Button:** For quick, secure connection to a router.

### 2.2. Key Features

- **Extended Coverage:** Boosts existing WiFi signal to cover larger areas, up to 1200 sq.ft.
- **High Speed:** Supports 2.4GHz wireless networks with speeds up to 300Mbps.
- **Multiple Modes:** Functions as a WiFi Repeater, Access Point (AP), or Router.
- **WPS Function:** Easy one-button setup for secure connections.
- **Wired Connectivity:** Equipped with an Ethernet port for stable wired connections.

## 3. Setup

The Aigital WiFi Extender can be set up using two primary methods: WPS (Wi-Fi Protected Setup) or through a web browser interface.

### 3.1. WPS Setup (Recommended for Quick Setup)

1. Plug the Aigital WiFi Extender 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 Aigital WiFi Extender. The WPS LED on the extender will blink during the connection process.
4. Once the WPS LED on the extender turns solid, the connection is successful. You can now unplug the extender and move it to a desired location within your router's WiFi range.


**Image: WPS One Click Connection.** This image demonstrates the simple process of connecting the extender to a router using the WPS button on both devices.


**Image: WPS Function.** This image highlights the WPS button on the extender and how a smartphone might display the WPS connection process.

### 3.2. Web Browser Setup

1. Plug the Aigital WiFi Extender into an electrical outlet.
2. On your computer or smartphone, connect to the extender's default WiFi network (e.g., "Aigital_Extender" or similar, check the label on the device). No password is required initially.
3. Open a web browser and enter the default IP address (e.g.,192.168.10.1) or the default web address (check the label on the device or manual for exact address).
4. Enter the default login credentials (usuallyadmin for both username and password).
5. Follow the on-screen instructions to select your desired operating mode (Repeater, AP, or Router) and configure the network settings. For Repeater mode, select your existing WiFi network and enter its password.
6. Once configured, the extender will restart. You can then connect your devices to the new extended WiFi network.

## 4. Operating Modes

The Aigital WiFi Extender supports three main operating modes to suit various network requirements.

### 4.1. Repeater Mode

In Repeater Mode, the extender wirelessly connects to your existing router and amplifies its signal, extending WiFi coverage to areas with weak or no signal. This mode is ideal for eliminating WiFi dead zones.


**Image: Repeater Mode.** This diagram shows the extender receiving a wireless signal from a router and rebroadcasting it to devices like laptops and smartphones.

### 4.2. AP Mode (Access Point)

In AP Mode, the extender connects to your router via an Ethernet cable and creates a new wireless network. This is useful for adding wireless capability to a wired network or for creating a separate WiFi network.


**Image: AP Mode.** This diagram depicts the extender connected to a modem/router via an Ethernet cable, acting as an access point for wireless devices.

### 4.3. Router Mode

In Router Mode, the extender acts as a primary router, connecting directly to a modem via an Ethernet cable to create a new private wireless network. This mode is suitable if you do not have an existing router.


**Image: Router Mode.** This diagram shows the extender connected to a modem, providing internet access to multiple wireless client devices.

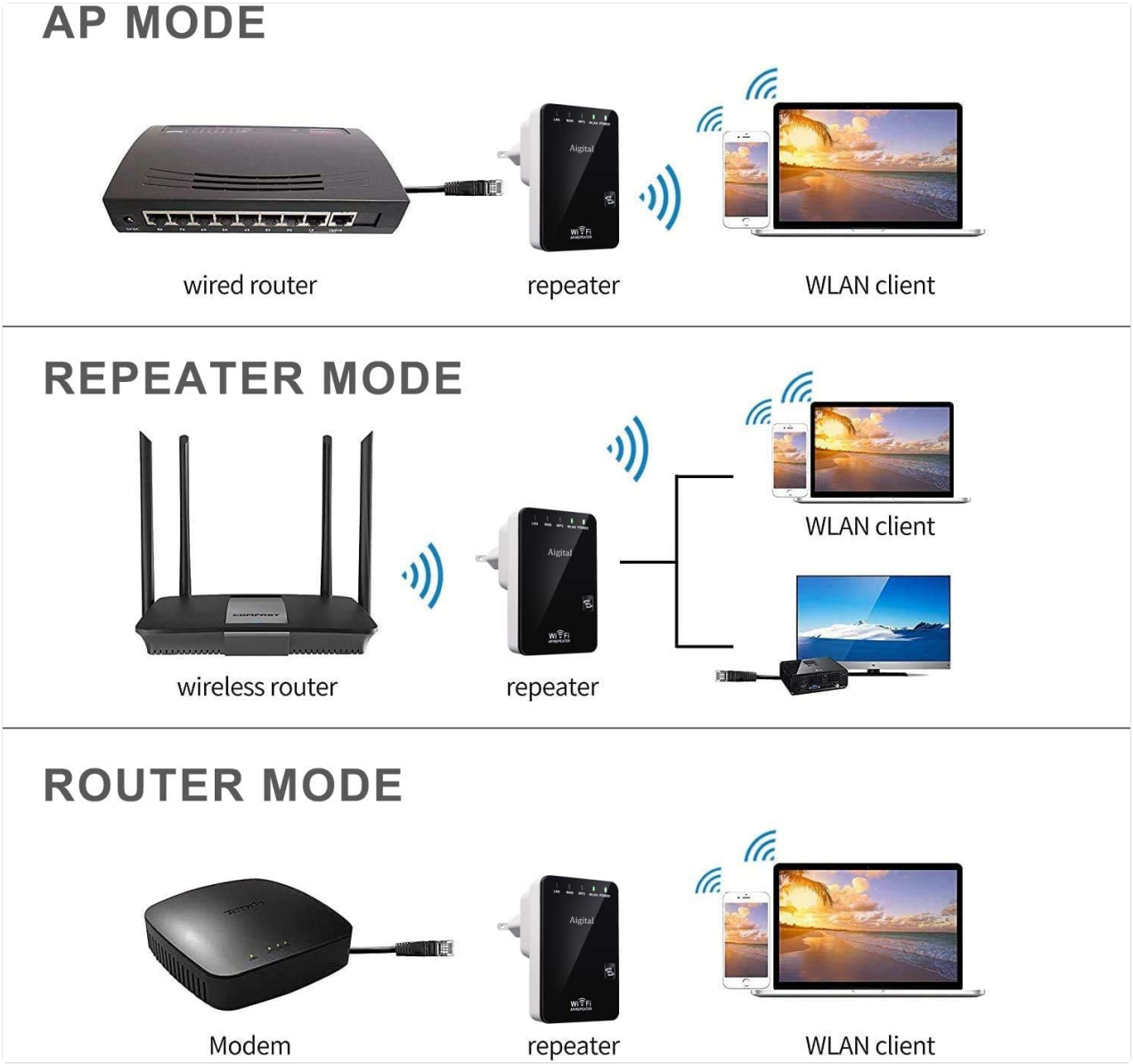


**Image: Operating Modes Overview.** This image provides a visual summary of the three operating modes: AP Mode (wired router to repeater), Repeater Mode (wireless router to repeater), and Router Mode (modem to repeater).

## 5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Aigital WiFi Extender.

### 5.1. Optimal Placement

For best performance, place the extender in a central location between your router and the area where you need improved WiFi coverage. Avoid placing it near large metal objects, concrete walls, or appliances that emit electromagnetic interference (e.g., microwaves, cordless phones).


**Image: Boost Your WiFi Range Coverage.** This image illustrates how placing the extender strategically can expand WiFi coverage throughout a multi-room environment.


**Image: WiFi Range Extender Of Penetrability.** This image demonstrates the extender's ability to provide a strong signal even through walls.

### 5.2. Cleaning

Gently wipe the device with a soft, dry cloth. Do not use liquid cleaners or aerosols, as they may damage the device.

### 5.3. Firmware Updates

Periodically check the Aigital official website for firmware updates. Updating the firmware can improve performance, add new features, and enhance security. Follow the instructions provided with the firmware update carefully.

## 6. Troubleshooting

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

### 6.1. No Internet Access After Setup

- **Check Router Connection:** Ensure your main router has an active internet connection.

- **Extender Placement:** Move the extender closer to your main router to ensure it receives a strong signal.
- **Reconfigure:** Try reconfiguring the extender using the web browser setup method, ensuring you enter the correct WiFi password for your main network.
- **IP Address Conflict:** If using AP or Router mode, ensure the extender's IP address does not conflict with other devices on your network.

### 6.2. Slow Connection Speed

- **Signal Strength:** Check the signal strength indicators on the extender (if available) or through the web interface. A weak signal from the main router will result in slower extended speeds.
- **Interference:** Move the extender away from potential sources of interference (e.g., microwaves, Bluetooth devices).
- **Network Congestion:** Too many devices connected to the extended network can reduce speed.

### 6.3. Cannot Access Web Management Page

- **Correct IP/URL:** Ensure you are entering the correct IP address or web URL for the extender.
- **Connected to Extender:** Verify that your device is connected to the extender's WiFi network (or via Ethernet if in AP/Router mode).
- **Reset:** If all else fails, perform a factory reset by pressing and holding the Reset button for 5-10 seconds. This will revert all settings to default, and you will need to reconfigure the device.

## 7. Specifications

| Feature | Specification |
|---|---|
| Brand | Aigital |
| Model | B08SW49DHX |
| Wireless Standard | 802.11n |
| Data Transfer Rate | Up to 300 Mbps |
| Frequency Band | 2.4 GHz |
| Operating Modes | Repeater, AP, Router |
| Ethernet Port | 1 x WAN/LAN Port |
| Security | WPS, WPA/WPA2 |
| Color | Black |
| Item Weight | 5.3 ounces |
| Package Dimensions | 4.69 x 4.57 x 2.72 inches |

## 8. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product or visit the official Aigital website. You can also contact Aigital customer service directly for assistance with setup, troubleshooting, or product inquiries.