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> sovunis AC1200 Dual Band WiFi Repeater User Manual

## sovunis AC1200

# sovunis AC1200 Dual Band WiFi Repeater User Manual

Model: AC1200

## INTRODUCTION

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This user manual provides comprehensive instructions for setting up, operating, and maintaining your sovunis AC1200 Dual Band WiFi Repeater. This device is designed to extend your existing WiFi coverage, eliminate dead zones, and provide a stable, high-speed internet connection for multiple devices.

## WHAT'S IN THE BOX

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- AP/Repeater/Router x1
- 3.3 Feet Ethernet Cable x1
- User Manual x1

## PRODUCT OVERVIEW

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The sovunis AC1200 WiFi Repeater is a versatile device capable of operating in Repeater, AP, and Router modes. It features dual-band technology (2.4GHz and 5GHz) for high-speed data transfer and is equipped with adjustable external antennas for enhanced signal coverage.



Figure 1: sovunis AC1200 WiFi Repeater and included Ethernet cable.

### Key Features:

- **1200Mbps High-Speed Dual Band:** Supports up to 867Mbps on 5GHz and 300Mbps on 2.4GHz, providing a total rate of approximately 1200Mbps for smooth HD video streaming and gaming.
- **Multiple Operating Modes:** Functions as a Repeater, Access Point (AP), or Router to suit various networking

needs.

- **Two Ethernet Ports:** Allows wired connections for devices like smart TVs and desktop computers while extending WiFi coverage.
- **Four Adjustable External Antennas:** Enhances signal strength and coverage throughout your home.
- **Smart Indicator Lights:** Assists in finding the optimal placement for the extender.
- **Compact Wall-Plug Design:** Easy to install and integrate into any environment.

## 4x3DBI OMNI DIRECTIONAL ANTENNAS

Dual band Wifi support 2.4G and 5.8G



Figure 2: The repeater features four 3dBi omni-directional antennas for dual-band WiFi support (2.4G and 5.8G) and a total speed of 1200Mbps.

# EQUIPPED WITH AN ETHERNET PORT

Use ethernet cable to connect with router directly, allows the repeater work as a wireless access point



Figure 3: The repeater is equipped with two Ethernet ports, allowing direct wired connection to a router or other devices, functioning as a wireless access point.



Figure 4: The compact design of the WiFi Repeater, shown in comparison to an iPhone 11 for scale.

## SETUP GUIDE

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Follow these steps to set up your sovunis AC1200 WiFi Repeater. For a visual guide, please refer to the setup video below.

### Setup Video Tutorial:

Your browser does not support the video tag.

Video 1: AC1200M Extended Mode Setup Video. This video demonstrates the step-by-step process for setting up the WiFi Repeater in extended mode using a mobile phone.

### Step-by-Step Setup (Repeater Mode):

1. **Initial Placement:** Plug the extender into a power outlet near your main router. Wait until the 5G and 2.4G LEDs turn solid green.
2. **Connect to Extender's Network:** On your mobile phone or computer, go to WiFi settings. Find and connect to the default SSID (network name) printed on the label of the extender (e.g., "wireless\_A6BP80"). This network will typically be open (no password).
3. **Access Setup Page:** Once connected, your device may automatically prompt you to "Sign in to WLAN network" or open a browser. If not, open a web browser and type [freefawifiextender.com](http://freefawifiextender.com) into the address bar.
4. **Select Repeater Mode:** On the setup page, select "Repeater Mode Settings" and click "NEXT". The extender will scan for available WiFi networks.
5. **Choose Host Network:** From the list of available networks, select your host router's network name (SSID).

6. **Enter Password:** Enter the password for your host network. You can choose to display 2.4G and 5G signals together or separately. You can also change the extended network names (SSID) if desired.
7. **Complete Setup:** Click "NEXT" or "FINISH". The extender will apply the settings and restart. Note down your extended network information (SSID and password).
8. **Verify Connection:** Once the extender restarts, the signal LED should turn steady green, indicating a successful connection to your host network.

### Optimal Placement:

Relocate your extender to optimize WiFi coverage and performance. For best results, insert the repeater about halfway between your router and the WiFi dead zone. Place the repeater in an open, unobstructed area and keep it away from large appliances that may cause interference.

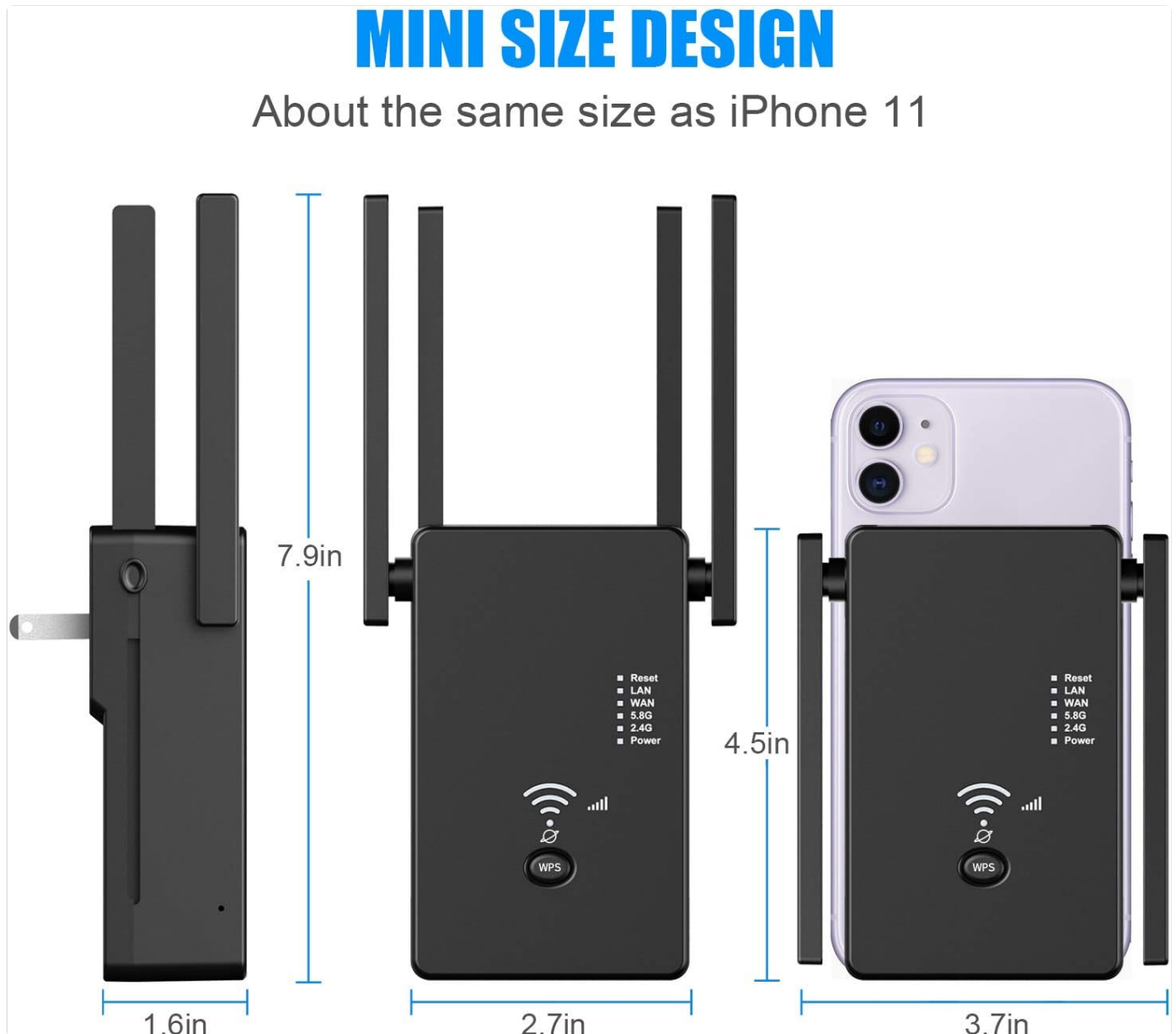


Figure 5: Illustration of optimal repeater placement. Placing the repeater too close to the router (left) or too far (right) results in suboptimal signal. The best placement is halfway between the router and the desired extended area, where the signal LED indicates a good connection.

# BOOST WiFi SIGNAL ALL OVER YOUR HOUSE

Works with 99% router, extends  
Wifi to previously no signal zones in your home



Figure 6: The repeater boosts WiFi signal to previously unreachable areas, extending coverage throughout your home.

## OPERATING MODES

The sovunis AC1200 WiFi Repeater supports three main operating modes:

- **Repeater Mode:** Extends the WiFi coverage of an existing wireless network. This is the most common use case for eliminating WiFi dead zones.
- **AP (Access Point) Mode:** Converts a wired network connection into a wireless network. Ideal for areas with only wired internet access, allowing wireless devices to connect.
- **Router Mode:** Functions as a primary router, creating a new wireless network from a modem connection.

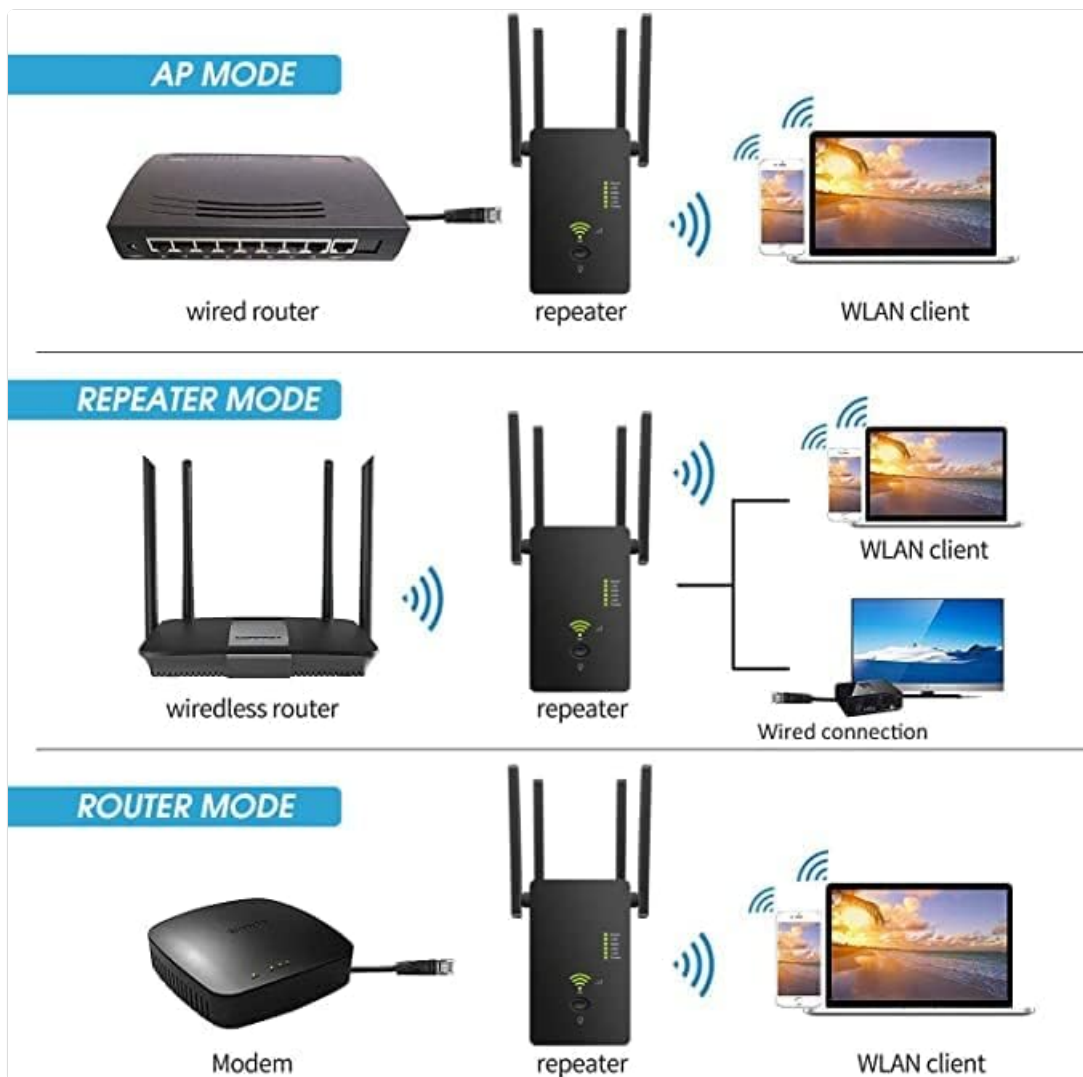


Figure 7: Visual representation of the three operating modes: AP Mode (wired router to repeater to WLAN client), Repeater Mode (wireless router to repeater to WLAN client/wired connection), and Router Mode (modem to repeater to WLAN client).

## MAINTENANCE

- Keep the device in a dry, well-ventilated area.
- Avoid exposing the device to extreme temperatures or direct sunlight.
- Clean the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Ensure the device is unplugged before cleaning.

## TROUBLESHOOTING

Problem	Solution
Cannot access the setup page (freefawifiextender.com).	Ensure your device is connected to the extender's default WiFi network (e.g., "wireless_A6BP80"). Try clearing your browser's cache or using a different browser. If issues persist, try resetting the extender to factory settings.
Extender is connected but no internet access.	Verify that your main router has internet access. Re-check the password entered for your host network during setup. Ensure the extender is placed within a reasonable range of your main router where it receives a good signal (check signal LEDs).

Problem	Solution
Extended WiFi signal is weak or unstable.	Relocate the extender to an optimal position, ideally halfway between your router and the dead zone. Avoid placing it near large metal objects, microwaves, or other sources of interference. Adjust the external antennas for better reception.
Forgot extended network password or need to reconfigure.	Use a paperclip or pin to press and hold the "Reset" button on the extender for about 8-10 seconds until the lights flash. This will restore factory settings, and you can then re-perform the setup process.

## SPECIFICATIONS

Feature	Detail
Brand	sovunis
Wireless Communication Standard	802.11ac
Data Transfer Rate	1200 Megabits Per Second (Mbps)
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
Special Feature	Dual-band technology, Repeater/AP/Router modes, 2 Ethernet Ports, Adjustable External Antennas
Package Dimensions	5.39 x 4.49 x 2.56 inches
Item Weight	7.8 ounces
Manufacturer	sovunis
Country of Origin	China

## WARRANTY AND SUPPORT

Every genuine sovunis WiFi extender comes with a **1-year manufacturer warranty**. Additionally, lifetime friendly customer service is provided by sovunis. If you encounter any issues during or after setup, please do not hesitate to contact sovunis customer support for assistance.

