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› TODAAIR AC1200 Outdoor Dual-Band WiFi Extender User Manual

## TODAAIR Sprint AC1200

# TODAAIR AC1200 Outdoor Dual-Band WiFi Extender User Manual

Brand: TODAAIR | Model: Sprint AC1200

## 1. INTRODUCTION AND OVERVIEW

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The TODAAIR AC1200 Outdoor Dual-Band WiFi Extender is designed to expand your existing wireless network coverage to outdoor areas, providing high-speed internet access where it's needed most. This device supports dual-band operation (2.4 GHz and 5 GHz) for optimal performance and is suitable for various outdoor environments.



Image 1.1: The TODAAIR AC1200 Outdoor WiFi Extender, illustrating its dual-band capabilities with 2.4GHz (300Mbps) and 5.8GHz (867Mbps) speeds.

## 2. PRODUCT FEATURES

- **High-Speed & Long-Range Coverage:** Extends WiFi signal with a transmission rate of up to 1200 Mbps (300 Mbps on 2.4 GHz and 867 Mbps on 5 GHz), covering large outdoor areas.
- **Dual-Band Technology:** Operates on both 2.4 GHz and 5 GHz frequencies, offering flexibility for different devices and usage scenarios. The 5.8GHz band provides high-speed transmission for short distances, while the 2.4GHz band offers medium to long-distance transmission.
- **Wide Compatibility:** Compatible with wireless network devices using 802.11 A/B/G/N/AC protocols, including routers, modems, smartphones, tablets, laptops, and Smart TVs.
- **Multiple Operating Modes:** Supports Repeater Mode (Wireless to Wireless) to extend existing WiFi and AP/Route Mode (Wired to Wireless) to convert a wired internet connection into a wireless access point.
- **Secure Network Access:** Features advanced wireless security encryption (WPA/WPA2 PSK) to protect your network and data from unauthorized access.
- **Easy Setup:** Configuration and management can be done quickly through a web interface using a PC or mobile device.
- **Outdoor Durability:** IP65-rated waterproof and dustproof design, capable of withstanding various harsh

outdoor environmental conditions such as snow, rain, lightning, and sun.

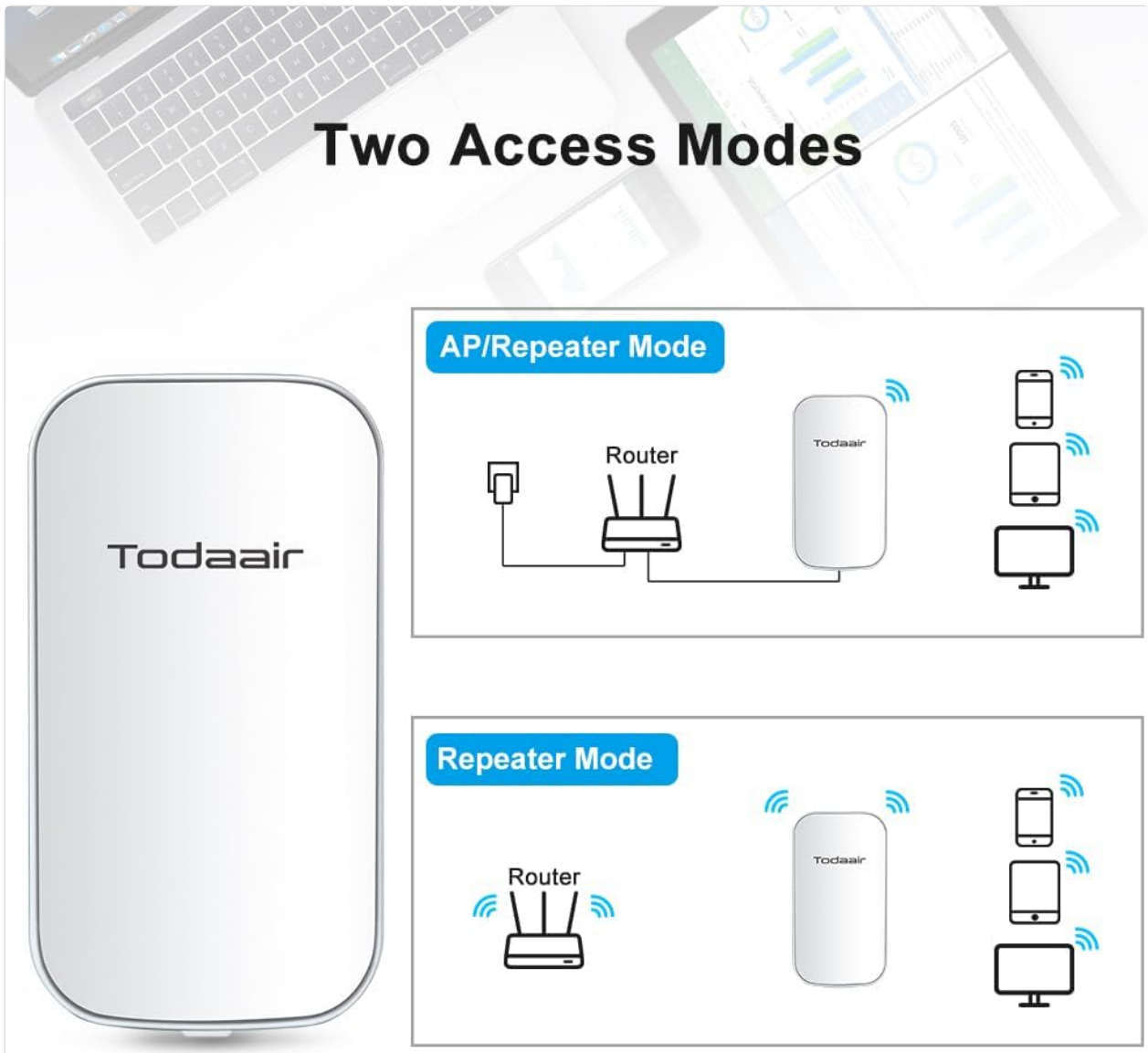


Image 2.1: Explanation of 5.8GHz for short-distance high-speed transmission and 2.4GHz for medium-to-long distance transmission.



**5.8GHz (867Mbps)**

Short Distance  
High Speed Transmission



**2.4GHz (300Mbps)**

Medium And  
Long Distance Transmission



Note: 1200Mbps is The Official Data,  
And The Actual Rate is 2.4GHz300Mbps+5.8GHz 867Mbps

Image 2.2: The extender's IP65 waterproof rating, indicating its resilience against various outdoor elements like snow, rain, lightning, sun, and dust.

### 3. SETUP

Follow these general steps to set up your TODAAIR AC1200 Outdoor WiFi Extender:

1. **Power On:** Connect the extender to a power source using the DC Power Port.
2. **Initial Connection:** Use a computer or mobile device to connect to the extender's default WiFi network (SSID and password usually found on a label on the device or in a quick start guide).
3. **Access Web Interface:** Open a web browser and enter the default IP address (e.g., 192.168.10.1) or domain name provided in the quick start guide to access the management interface.
4. **Configuration Wizard:** Follow the on-screen instructions of the setup wizard. You will typically be prompted to select an operating mode (Repeater or AP) and configure network settings.
5. **Secure Your Network:** Set a strong password for your extended WiFi network.
6. **Placement:** Position the extender in an optimal location for maximum coverage, ensuring it is within range of your main router's signal if using Repeater Mode.

# Strong Compatibility

Compatible With All Major Routers

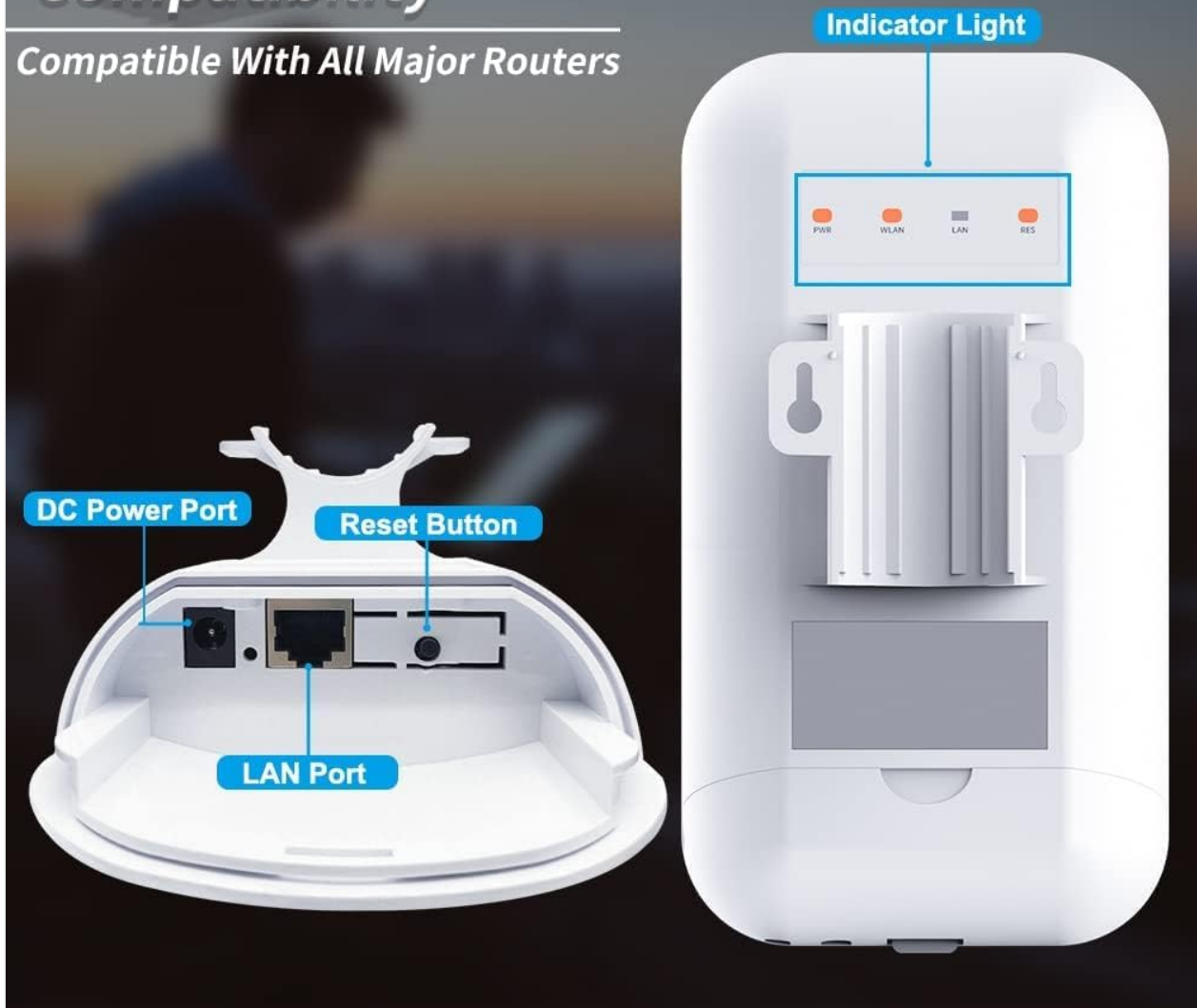


Image 3.1: Detailed view of the extender's back panel, highlighting the Indicator Lights (PWR, WLAN, LAN, RES), DC Power Port, Reset Button, and LAN Port.

## 4. OPERATING MODES

The TODAAIR AC1200 Extender supports two primary operating modes:

### 4.1. Repeater Mode (Wireless to Wireless)

In Repeater Mode, the extender wirelessly connects to your existing router's WiFi network and re-broadcasts the signal, effectively extending its coverage. This mode is ideal for eliminating Wi-Fi dead zones in remote areas.

### 4.2. AP/Route Mode (Wired to Wireless)

In AP (Access Point) Mode, the extender connects to your router via an Ethernet cable. It then creates a new wireless network, transforming your wired internet connection into a wireless access point. This is useful for providing WiFi in areas where only a wired connection is available.

# Waterproof Outdoor

Can cope with all kinds  
Of harsh environment.



# IP65



Image 4.1: Visual representation of Repeater Mode (Wireless to Wireless) and AP/Route Mode (Wired to Wireless) functionality.

# Multi Mode and Suitable for Different Scenario

III

## Mode 01 Repeat Mode ( Wireless to Wireless )

To expand the signal of main router and eliminate the Wi-Fi blind spots

## Mode 02 AP/Route Mode (Wired to Wireless)

Plug the network cable into the repeater to transmit WiFi signals

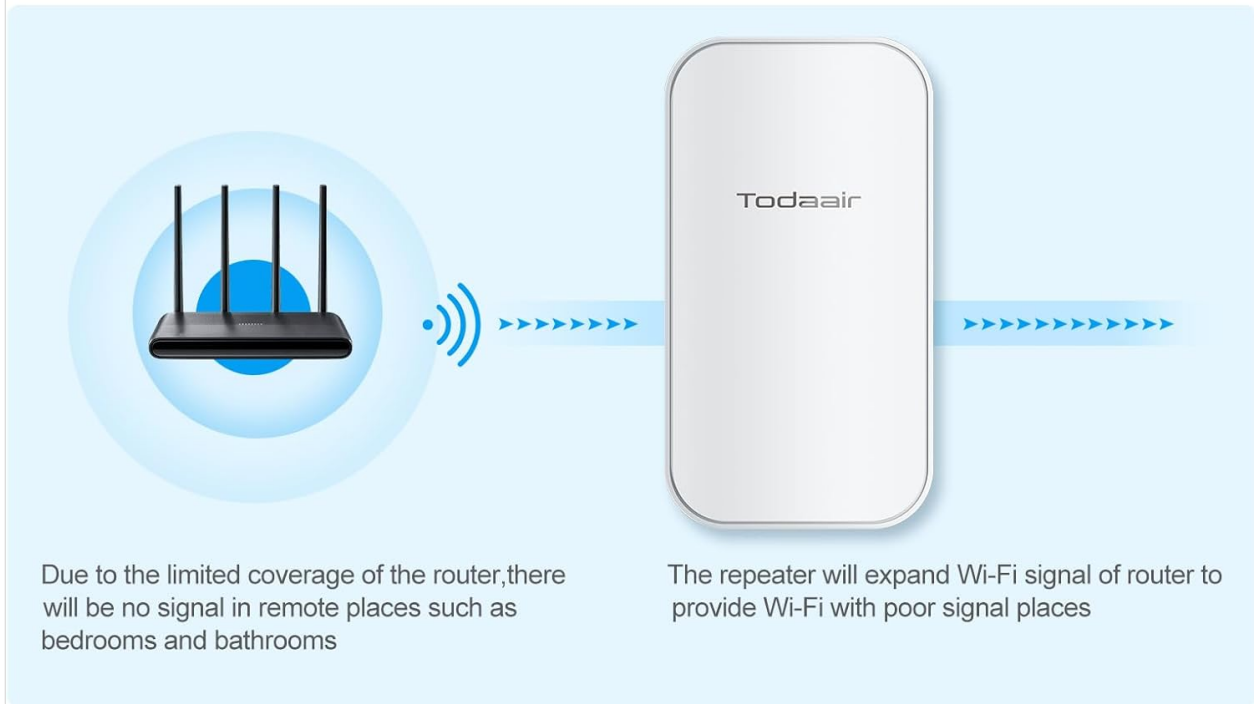


Image 4.2: Detailed diagrams illustrating the connection setups for AP/Repeater Mode and Repeater Mode, showing how devices connect.

## 5. INSTALLATION AND PLACEMENT

Proper installation and placement are crucial for optimal performance of your outdoor WiFi extender.

- **Optimal Coverage:** For Repeater Mode, place the extender within a 32-foot radius of your main router for the best receiving distance. The optimal signal distance for transmission is within 300 feet in an unobstructed location.
- **Line of Sight:** Ensure a clear line of sight between the extender and the areas you wish to cover, minimizing obstructions like walls or large trees.
- **Mounting:** The extender is designed for outdoor mounting, typically on a pole or wall. Use the provided mounting hardware securely.
- **Environmental Considerations:** Thanks to its IP65 rating, the device is protected against dust and water jets, making it suitable for various weather conditions.

## Performance Upgrade and Strong Signal from a Distance



**300ft** ≈ The length of 600 bottles of coke ⚠

### **MRT20** Outdoor Repeater Coverage

The best receiving distance from the router is within a **32-foot radius** 60° front-facing transmitter angle, with optimal signal distance within **300ft** of an unobstructed location

\* The reception distance is based on the actual distance of the receiving device

Image 5.1: Diagram illustrating the outdoor repeater coverage, showing a 60-degree front-facing transmitter angle and an optimal signal distance of 300 feet in an unobstructed location.

## All these places need it:



Image 5.2: Examples of outdoor locations benefiting from the extender's coverage, including stadiums, beaches, churches, lakeside areas, outdoor gardens, and parks.

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your TODAAIR AC1200 Outdoor WiFi Extender, consider the following maintenance tips:

- **Regular Cleaning:** Periodically wipe the exterior of the device with a soft, dry cloth to remove dust and dirt. Do not use liquid cleaners or aerosols.
- **Inspect Connections:** Occasionally check all cable connections (power, Ethernet) to ensure they are secure and free from damage.
- **Firmware Updates:** Check the manufacturer's website for any available firmware updates. Keeping the firmware updated can improve performance, security, and add new features.
- **Environmental Check:** Ensure the mounting remains secure and the device is not obstructed by new growth or structures.

## 7. TROUBLESHOOTING

If you encounter issues with your TODAAIR AC1200 Outdoor WiFi Extender, try the following troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to the device and a working power outlet. Check the power indicator light on the device.
- **No Internet Connection:**
  - In Repeater Mode, verify that your main router has an active internet connection.
  - In AP Mode, ensure the Ethernet cable from your router is securely connected to the extender's LAN port and the router is providing internet.
  - Check the WLAN/LAN indicator lights on the extender for activity.
- **Weak Signal/Poor Performance:**
  - Relocate the extender to a position closer to your main router (for Repeater Mode) or closer to the desired coverage area.
  - Minimize physical obstructions between the extender and your devices.
  - Ensure there are no sources of interference (e.g., microwaves, cordless phones) nearby.
- **Cannot Access Web Management Interface:**
  - Ensure your device is connected to the extender's WiFi network.
  - Verify you are using the correct IP address or domain name.
  - Try clearing your browser's cache or using a different browser.
- **Resetting the Device:** If issues persist, you can perform a factory reset. Locate the Reset Button (refer to Image 3.1) and press and hold it for approximately 5-10 seconds until the indicator lights flash. This will restore the device to its default factory settings, requiring re-configuration.

## 8. SPECIFICATIONS

Feature	Specification
Brand	TODAAIR
Model Number	Sprint AC1200
Data Transfer Rate	1200 Megabytes per second (AC1200)
Frequency Bands	2.4 GHz, 5 GHz
Number of Ports	2 (likely 1 LAN, 1 WAN/LAN configurable)
Interface Type	RJ45
Connections	Wi-Fi Built-In
Compatible Devices	Router
Housing Material Type	Plastic
Color	White
Included Components	Wireless Repeater
UPC	716035411390

ASIN	B0CH2H873C
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## 9. SAFETY INFORMATION

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Please read and follow these safety guidelines to prevent damage to the device or injury to yourself:

- Do not open or attempt to repair the device yourself. Refer all servicing to qualified personnel.
- Use only the power adapter supplied with the device.
- Ensure the device is securely mounted to prevent it from falling.
- Avoid placing the device near heat sources or in direct sunlight for prolonged periods, despite its outdoor rating.
- Keep the device away from children.

## 10. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation included with your product or visit the official TODAAIR website. If you encounter issues that cannot be resolved using the troubleshooting guide, please contact TODAAIR customer support for assistance.