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> TODAAIR 2025 Outdoor WiFi Extender User Manual (Model: TD-MRT20 V20.01)

## TODAAIR TD-MRT20 V20.01

# TODAAIR 2025 Outdoor WiFi Extender User Manual

Model: TD-MRT20 V20.01 | Brand: TODAAIR

## 1. INTRODUCTION

The TODAAIR 2025 Outdoor WiFi Extender is designed to expand your wireless network coverage, providing stable and high-speed internet access in outdoor environments. Featuring dual-band transmission, intelligent self-recovery, and robust weatherproofing, this device ensures reliable connectivity for up to 3440 sq. ft and 30 devices.

This manual provides detailed instructions for setting up, operating, and maintaining your outdoor WiFi extender to ensure optimal performance.

## 2. WHAT'S IN THE BOX

- Outdoor WiFi Extender \*1
- Quick Installation Guide \*1
- Power Adapter 12V/1A \*1
- Plastic Cable Tie \*1
- Stainless Steel Tie \*1

## 3. PRODUCT OVERVIEW

The TODAAIR Outdoor WiFi Extender is engineered with advanced features to deliver superior wireless performance and durability.

### 3.1 Dual-Frequency High-Speed Transmission

Supports dual bands of 2.4GHz (up to 300Mbps) and 5GHz (up to 867Mbps), ensuring a stable and fast network connection even in complex environments. The combined speed reaches up to 1200Mbps.

# Signal extends coverage to a maximum of 300 feet

Get ready to get rid of those dead spots



Image: The extender highlights its 1200Mbps dual-band capabilities, with 5.8GHz offering 867Mbps and 2.4GHz offering 300Mbps.

### 3.2 Intelligent Reset (AI Watchdog)

The integrated AI Watchdog function automatically detects faults or abnormalities during operation. If an issue occurs, the intelligent reset mechanism triggers an automatic restart, restoring normal working conditions without manual intervention. This ensures continuous network connectivity and data transmission.

### 3.3 Multiple Working Modes

The device supports two primary working modes: Repeater Mode and Access Point (AP) Mode. It features an Ethernet port that can easily convert your wired internet connection into a wireless access point, offering flexible operation to meet diverse network needs.

# 1200Mbps Outdoor Dual Band WiFi Repeater

Dual-band high-speed transmission ensures stable network connectivity in complex environments



Image: A close-up view of the Ethernet port on the extender, illustrating its connection capability.

### 3.4 Wide Compatibility

Compatible with various mainstream WiFi devices and routers, allowing easy connection and expanded network coverage regardless of the brand of your existing equipment.

### 3.5 Enhanced Security

Supports WPA-PSK/WPA2-PSK and WPA/WPA2 wireless security protocols to maximize network security. This protects your important personal data from unauthorized access.

### 3.6 Outdoor Weatherproof Design

The extender features an IP65 waterproof shell, providing protection against lightning, water, dust, freezing temperatures, high temperatures, and corrosion. This robust design ensures normal operation under various harsh weather and environmental conditions.

# Ethernet Port

Ethernet port for computers, routers, smart TVs and other devices



Image: The extender is shown in an outdoor setting with icons representing protection against sun, rain, snow, thunder, wind, and frost, highlighting its IP65 weatherproof rating.

## 3.7 Built-in High Gain Antennas

Equipped with four integrated high-gain antennas (5dBi x 4) to simplify installation and avoid complicated external wiring, enhancing signal strength and coverage.

# Outdoor Weatherproof WiFi Repeater



**IP65**

Image: An internal view of the extender highlighting its four built-in high-gain antennas (5dBi x 4).

## 4. SETUP

### 4.1 Physical Installation

The extender can be mounted on a wall using screws or attached to a pole using the provided cable ties. Ensure the device is placed in a location that provides optimal signal reception from your main router and clear line of sight to the desired coverage area.

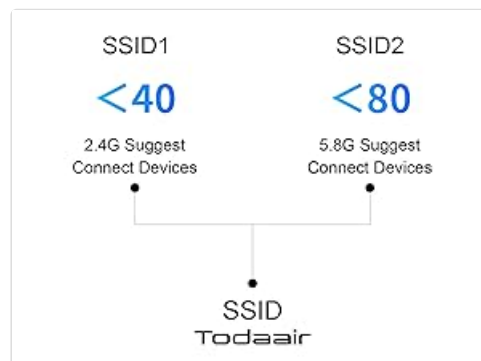


Image: Illustrates two mounting options: screwing the extender onto a wall or tying it to a pole.

## 4.2 Connection and Configuration

Follow these steps to connect and configure your TODAAIR Outdoor WiFi Extender:

1. **Connect to the Extender:** Connect your device (phone, computer) to the extender's default Wi-Fi network (SSID: TDair).
2. **Access Setup Page:** Open a web browser and enter the IP address provided in the Quick Installation Guide (e.g., 192.168.34.1). Enter the default password (admin).
3. **Select Operating Mode:** Choose either Repeater Mode or AP Mode based on your network requirements.
4. **Configure Network Settings:** Follow the on-screen prompts to select your main router's Wi-Fi network and enter its password. Set a new SSID and password for your extended network.
5. **Confirm Settings:** Click Confirm to apply the settings. The extender will restart and your extended Wi-Fi network will be ready for use.



Image: A visual guide showing three steps for smartphone-based setup: connecting to the extender's network, finding and entering router password, and setting the extended SSID and password.

## 4.3 Setup Video Tutorial

For a visual walkthrough of the setup process, please refer to the official tutorial video:

Your browser does not support the video tag.

Video: Official TODAAIR WiFi Extender Pairing Tutorial, demonstrating the step-by-step configuration.

## 5. OPERATING MODES

The TODAAIR Outdoor WiFi Extender offers two versatile operating modes:

- **Repeater Mode:** Extends the coverage of your existing wireless network by receiving the signal from your main router and re-transmitting it. This is ideal for eliminating Wi-Fi dead zones.
- **Access Point (AP) Mode:** Converts a wired internet connection into a wireless access point, allowing wireless devices to connect to the network. This is useful for creating a new Wi-Fi hotspot in an area with wired internet access.

### 5.1 Operating Mode Demonstration

Watch this video to see the TODAAIR outdoor repeater mode in action:

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Video: A demonstration of the TODAAIR outdoor repeater's operating modes.

## 6. MAINTENANCE

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

- **Regular Cleaning:** Periodically wipe down the exterior of the device with a soft, dry cloth to remove dust and debris.
- **Weather Protection:** While the device is IP65 weatherproof, ensure all cable connections are securely tightened to prevent water ingress.
- **Firmware Updates:** Check the manufacturer's website regularly for firmware updates to ensure your device has the latest features and security enhancements.
- **Environmental Considerations:** Avoid placing the device in areas with extreme temperatures or direct, prolonged exposure to harsh elements beyond its rated capabilities.

## 7. TROUBLESHOOTING

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If you encounter issues with your TODAAIR Outdoor WiFi Extender, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the device and a working power outlet. Check the power LED indicator.
- **No Internet Connection:** Verify that your main router has an active internet connection. Check the Ethernet cable connection between the PoE adapter and the extender.
- **Weak Signal:** Relocate the extender closer to your main router or adjust the antenna orientation for better signal reception. Ensure there are no major obstructions.
- **AI Watchdog Activation:** If the device experiences a temporary fault, the AI Watchdog function will automatically restart it. Wait a few minutes for the device to re-establish connection.
- **Reset to Factory Defaults:** If issues persist, you may need to reset the device to its factory default settings. Refer to the Quick Installation Guide for instructions on how to perform a factory reset.

## 8. SPECIFICATIONS

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Feature	Description
Product Dimensions	9 x 3 x 4 inches
Item Weight	15.5 ounces
Item Model Number	TD-MRT20 V20.01
Brand	TODAAIR
Wireless Communication Standard	802.11a/b/g/n/ac
Data Transfer Rate	1200 Megabytes Per Second
Frequency Band Class	Dual-Band
Special Feature	Outdoor IP65 Waterproof, Repeater & AP Mode

## 9. WARRANTY AND SUPPORT

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TODAAIR is committed to providing high-quality products and excellent customer service. If you encounter any problems during the installation or use of your WiFi Extender, please contact our professional technical support team. They are available to assist you with troubleshooting and resolving any issues promptly.

For further assistance, refer to the contact information provided in your Quick Installation Guide or on the official TODAAIR website.