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Orayafid YY-R7

Orayafid Solar Outdoor Wi-Fi Repeater

MODEL: YY-R7

Weatherproof Wi-Fi Range Extender with Solar Power

Introduction

Thank you for choosing the Orayafid Solar Outdoor Wi-Fi Repeater. This device is designed to extend your existing Wi-Fi network coverage to outdoor areas, providing stable internet access for various applications such as security cameras, gate access control, barns, garages, and detached buildings. Featuring a high-efficiency solar panel and a large-capacity battery, it offers a reliable, weatherproof solution for your outdoor connectivity needs.

Package Contents

Please verify that all items are present in your package:

- Solar Outdoor Repeater Unit
- Mounting Bracket
- Screw Kit (for installation)



Image: Package contents showing the solar outdoor repeater, mounting bracket, and screw kit with dimensions.

Product Overview

The Orayafid Solar Outdoor Wi-Fi Repeater is designed for robust outdoor performance. Key features include:

- **Wi-Fi Extension:** Extends 2.4GHz Wi-Fi signal up to 100 meters (328 feet) with speeds up to 300Mbps.
- **Solar Power:** Integrated 15W high-efficiency solar panel with 24% conversion efficiency, protected by tempered glass.
- **Battery Backup:** Built-in 20000mAh rechargeable lithium battery ensures continuous operation, even during cloudy periods. The battery has a lifespan of up to 500 recharge cycles and includes a protection circuit.
- **Weatherproof Design:** IP65 waterproof rating protects against heavy rain, snow, and dust.
- **Easy Installation:** Features a 360-degree adjustable bracket for optimal positioning.



Image: The solar outdoor repeater mounted on a wall, highlighting its solar panel and robust casing.



Image: Internal view of the solar energy power supply system, showing the tempered glass, monocrystalline silicon, and 20000mAh lithium battery.



Image: Illustration of the IP65 waterproof and dustproof capabilities, demonstrating resistance to various weather conditions.

Setup and Installation

Follow these steps to install and set up your Solar Outdoor Wi-Fi Repeater:

1. **Choose a Location:** Select an outdoor location that receives ample direct sunlight throughout the day for optimal solar charging. The location should also be within range of your existing Wi-Fi router to effectively extend the signal.
2. **Mount the Bracket:** Use the provided screw kit to securely mount the bracket to a wall or pole. Ensure the mounting surface is stable.
3. **Attach the Repeater:** Fix the Solar Outdoor Repeater unit to the mounted bracket.
4. **Adjust Angle:** Adjust the angle of the solar panel to face the sun for maximum exposure. The 360-degree adjustable bracket allows for flexible positioning.
5. **Power On:** The device will automatically power on and begin charging when exposed to sunlight.
6. **Connect to Wi-Fi:** Refer to the detailed configuration guide (usually accessible via a web browser interface) to

connect the repeater to your existing Wi-Fi network. This typically involves scanning for available networks and entering your Wi-Fi password.

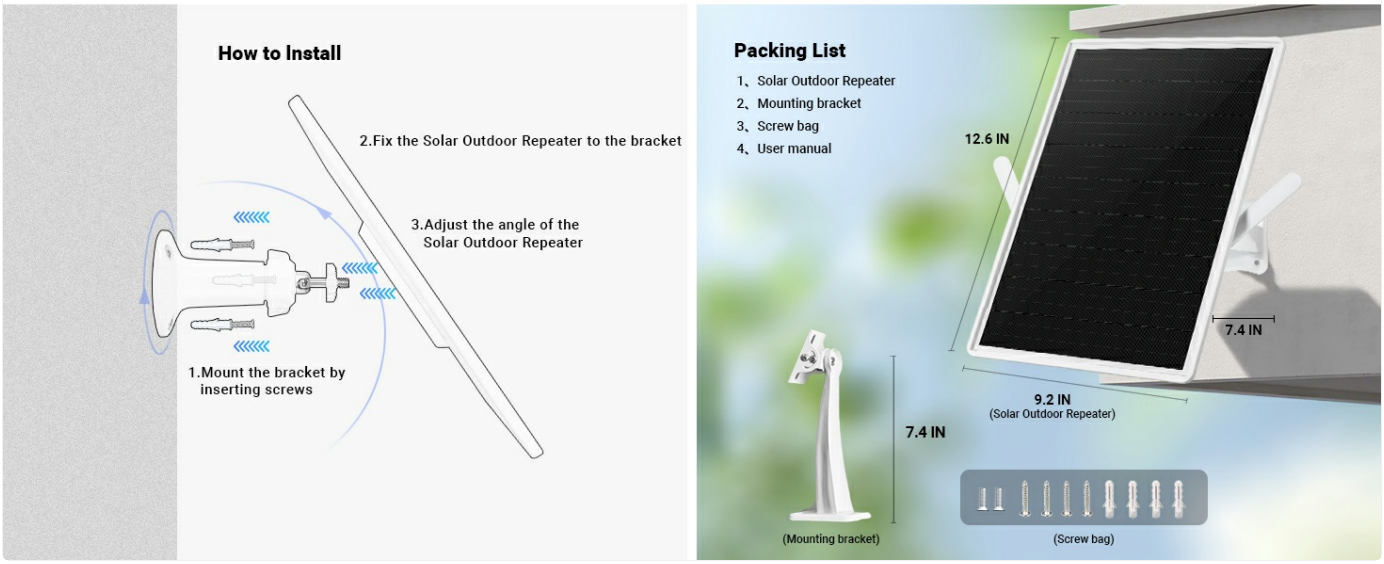


Image: Installation guide illustrating how to mount the bracket and adjust the solar outdoor repeater.

Operating Instructions

Once installed and configured, the repeater will automatically extend your Wi-Fi signal. Here are some operational considerations:

- **Signal Coverage:** The repeater is designed to provide stable internet across large outdoor areas, extending your wireless signal up to 100 meters (328 feet).
- **Device Connectivity:** The repeater can support multiple devices simultaneously, making it ideal for connecting security cameras, mobile phones, tablets, laptops, and other smart devices in your outdoor space.
- **Automatic Power Management:** The solar panel continuously charges the internal battery during daylight hours. The battery provides power during the night or on cloudy days, ensuring uninterrupted service.



Image: Illustration of the outdoor Wi-Fi repeater extending network coverage from a router to a wider area.



Image: Demonstrates the repeater's ability to connect up to 8 devices, including security cameras, mobile phones, and laptops, for various uses.

Maintenance

To ensure optimal performance and longevity of your Orayafid Solar Outdoor Wi-Fi Repeater, follow these maintenance guidelines:

- **Clean Solar Panel:** Regularly clean the surface of the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and charging efficiency. Avoid abrasive cleaners or harsh chemicals.
- **Inspect Mounting:** Periodically check the mounting bracket and screws to ensure they remain secure, especially after strong winds or storms.
- **Battery Care:** The internal lithium battery is designed for long life. Avoid completely draining the battery frequently if possible, though the built-in protection circuit helps manage this. Ensure the device is placed in an area with sufficient sunlight for regular charging.

- **Environmental Checks:** While the device is IP65 rated, ensure no physical damage occurs from falling debris or extreme impacts.

Troubleshooting

If you encounter issues with your Solar Outdoor Wi-Fi Repeater, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power/Device not turning on	Insufficient solar charging; completely drained battery; physical damage.	Ensure the solar panel is clean and receives direct sunlight. Allow several hours for initial charging. If the issue persists, contact support.
Weak or no extended Wi-Fi signal	Repeater too far from main router; obstructions; incorrect configuration.	Relocate the repeater closer to your main router. Ensure line of sight if possible. Reconfigure the repeater to ensure it's properly connected to your main Wi-Fi network.
Slow internet speeds	Network congestion; interference; repeater placed in a suboptimal location.	Try to minimize interference from other 2.4GHz devices. Ensure the repeater is positioned optimally between your router and the desired coverage area. Check your main internet connection speed.
Cannot connect devices to repeater Wi-Fi	Incorrect Wi-Fi password; repeater not broadcasting signal; device compatibility.	Verify the Wi-Fi password. Check the repeater's status indicators (if any) to ensure it's broadcasting. Restart the repeater and your connecting device.

Specifications

- **Model Number:** YY-R7
- **Wi-Fi Frequency:** 2.4GHz
- **Max Wi-Fi Speed:** Up to 300Mbps
- **Wi-Fi Coverage:** Up to 100 meters (328 feet)
- **Solar Panel Power:** 15W
- **Solar Panel Efficiency:** 24%
- **Battery Capacity:** 20000mAh Lithium Ion (included)
- **Battery Life Cycles:** Up to 500 recharge cycles
- **Waterproof Rating:** IP65
- **Product Dimensions:** 12.6 x 9.1 x 7 inches
- **Item Weight:** 3.83 pounds
- **Manufacturer:** AI MATCH INTELLIGENT TECHNOLOGY CO., LTD

Warranty and Support

Orayafid products are designed for reliability and performance. For warranty information, technical support, or any questions regarding your Solar Outdoor Wi-Fi Repeater, please refer to the official Orayafid website or contact their customer service directly. Please retain your proof of purchase for warranty claims.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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