Orayafid EU-YY-R7-A4

Orayafid Outdoor Solar Weatherproof WiFi Repeater User Manual

Model: EU-YY-R7-A4 (YY-R7)

Brand: Orayafid

Introduction

Welcome to the user manual for your Orayafid Outdoor Solar Weatherproof WiFi Repeater. This device is engineered to extend your existing Wi-Fi network coverage, providing a robust and reliable signal in outdoor environments. Powered by efficient solar energy and equipped with a high-capacity battery, it ensures continuous connectivity and eliminates Wi-Fi dead zones.



Image: The Orayafid Outdoor Solar Weatherproof WiFi Repeater, designed for extending wireless internet signals.

Key Features

- **Global Relay Function:** Extends Wi-Fi range with robust signal, offering speeds up to 300 Mbps at 2.4 GHz. Ideal for wireless security cameras, streaming, browsing, and other high-bandwidth activities.
- **High Conversion Efficiency Solar Panel:** Powered by a highly efficient 15W solar panel with a 24% conversion rate. The solar panel is protected by durable tempered glass, ensuring longevity and resistance to outdoor elements.
- **High-Quality Lithium Battery:** Equipped with a 20,000 mAh rechargeable lithium battery, guaranteeing prolonged operation even during continuous cloudy days. This battery has a lifespan of up to 500 recharge cycles and features an integrated protection circuit for enhanced safety.
- **Waterproof Design (IP65):** Certified with an IP65 rating, this outdoor Wi-Fi adapter can withstand extreme weather conditions, including heavy rain and snow. This ensures uninterrupted service and durability in any environment.

- **Easy Installation:** Features a 360-degree adjustable bracket, making installation quick and simple. This allows for optimal positioning of the outdoor Wi-Fi amplifier for best signal reception and transmission.
- **Important Compatibility Note:** This product is not compatible with Starlink.



Image: Overview of the Orayafid Solar WiFi Repeater highlighting its wireless capability, IP65 waterproof rating, security protection, 20,000 mAh battery, 150-meter range, and support for 8 devices.



Image: Detailed view of the solar power system, showing the tempered glass, monocrystalline silicon, and the 20,000 mAh lithium rechargeable battery, emphasizing quick charge, durability, and good light transmission.

Package Contents

Please verify that all items are present in your package:

- 1 x Orayafid Outdoor Solar Repeater
- 1 x Mounting Bracket
- 1 x Screw Bag (containing screws and wall plugs)
- 1 x User Manual (This document)



Image: The package includes the solar repeater unit (approx. 12.6 inches x 9.2 inches), a mounting bracket (approx. 7.4 inches tall), and a bag containing screws and wall plugs for installation.

Setup and Installation

Follow these steps to install your Orayafid Outdoor Solar WiFi Repeater:

1. **Choose an Optimal Location:** Select a location for installation that ensures the solar panel receives maximum direct sunlight exposure throughout the day. The device's IP65 rating makes it suitable for various outdoor conditions.
2. **Mount the Bracket:** Securely attach the mounting bracket to a wall or pole using the provided screws and wall plugs. Ensure the bracket is firmly fixed to support the repeater.
3. **Attach the Repeater:** Carefully fix the solar repeater unit onto the mounting bracket.
4. **Adjust Angle:** Utilize the 360-degree adjustable bracket to fine-tune the angle of the solar repeater. This adjustment is crucial for optimizing both solar charging efficiency and Wi-Fi signal reception/transmission.



Image: This diagram shows how to mount the bracket to a surface, attach the solar repeater to the bracket, and then adjust its angle for optimal performance.

Operating Instructions

Once properly installed and powered, the Orayafid WiFi Repeater will automatically begin extending your Wi-Fi signal.

Connecting to the Repeater

The repeater will broadcast an extended Wi-Fi network. Connect your devices (e.g., security cameras, tablets, smartphones, laptops) to this network just as you would to any standard Wi-Fi network. The repeater is designed to provide a stable 2.4GHz signal.

Signal Optimization

For best performance, ensure the solar panel remains clean and free from any obstructions. Periodically check the signal strength in the extended area to confirm optimal coverage. The device is designed to extend coverage up to 150 meters

from your main router, effectively eliminating Wi-Fi dead zones.



Image: This diagram illustrates how the solar repeater bridges the gap in Wi-Fi coverage, extending the signal range up to 150 meters from your main router, providing connectivity to remote outdoor areas.



Image: The repeater supports connection for up to 8 devices, including IP cameras, mobile phones, tablets, and laptops, providing a 2.4GHz Wi-Fi signal at speeds up to 300 Mbps.

Maintenance

To ensure the longevity and optimal performance of your Orayafid Outdoor Solar WiFi Repeater, follow these maintenance guidelines:

- **Keep the Solar Panel Clean:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. This ensures maximum sunlight absorption and charging efficiency.
- **Check Mounting:** Periodically inspect the mounting bracket and screws to ensure the device remains securely attached, especially after strong winds or storms. Tighten any loose fasteners if necessary.
- **Battery Care:** The integrated lithium battery is designed for durability. Avoid exposing the device to extreme temperatures (both hot and cold) that could negatively affect battery performance and lifespan.



Image: The device is IP65 rated, meaning it is waterproof and dustproof, capable of withstanding rain, lightning, snow, and heat, making it suitable for all outdoor conditions.

Troubleshooting

If you encounter any issues with your Orayafid Outdoor Solar WiFi Repeater, please refer to the table below for common problems and their solutions:

Issue	Possible Cause	Solution
No Wi-Fi signal from repeater	Insufficient power / Not connected to main router	Ensure solar panel receives adequate sunlight for charging. Verify the repeater is properly connected and configured with your main router.

Issue	Possible Cause	Solution
Weak signal or intermittent connection	Improper placement / Physical obstructions	Adjust the repeater's angle and position for optimal signal reception and transmission. Remove any physical obstructions (e.g., thick walls, large trees) between the repeater and your devices.
Slow internet speed	Network congestion / Distance from main router	Reduce the number of devices connected to the repeater. Ensure the repeater is within optimal range of your main router to receive a strong input signal.
Repeater not charging	Dirty solar panel / Insufficient sunlight exposure	Clean the solar panel surface. Relocate the repeater to an area with more direct and prolonged sunlight exposure.
Not compatible with Starlink	Inherent design limitation	This product is not designed to work with Starlink. No solution is available for this specific incompatibility.

For further assistance or issues not listed here, please contact Orayafid customer support.

Specifications

Detailed technical specifications for the Orayafid Outdoor Solar Weatherproof WiFi Repeater:

Feature	Detail
Brand	Orayafid
Model Number	YY-R7 (EU-YY-R7-A4)
Color	White
Compatible Devices	IP Camera, Tablet, Smartphone, Laptop
Battery Composition	Lithium-ion
Rechargeable Battery	Yes
Battery Capacity	20,000 mAh
Solar Panel Power	15W
Wi-Fi Frequency	2.4 GHz
Wi-Fi Speed	Up to 300 Mbps
Weather Resistance	IP65 (Waterproof, Dustproof)
Mounting	360-degree adjustable bracket

Feature	Detail
Manufacturer	AI MATCH INTELLIGENT TECHNOLOGY CO., LTD
ASIN	B0FB93FG7L

Warranty and Support

Warranty information for this product is not explicitly detailed within this user manual. For specific warranty terms, conditions, and duration, please refer to the product packaging or contact Orayafid customer service directly.

For technical support, product inquiries, or any other assistance, please visit the official Orayafid website or reach out to their dedicated customer service department. Contact details are typically available on the product packaging or the brand's official online presence.

Ask a question about this manual

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question