Woox R4219

WOOX R4219 Solar Panel for Outdoor Camera

User Manual

Product Overview

The WOOX R4219 Solar Panel is designed to provide continuous power to your WOOX R9045 Outdoor Security Camera, eliminating the need for frequent battery recharges via AC power. This eco-friendly solution harnesses solar energy to keep your camera operational with just a few hours of direct sunlight daily. It includes a 2-meter Micro USB charging cable and a protective case for the R9045 camera, ensuring effective positioning and protection.



Image: The WOOX R4219 Solar Panel shown alongside the protective housing for the R9045 camera. This panel is designed to provide continuous power to compatible outdoor security cameras.

What's Included

Please check the package contents to ensure all items are present:

- WOOX R4219 Solar Panel with 2-meter Micro USB charging cable
- Mounting Brackets
- Screws for installation
- Waterproof Protective Case for WOOX R9045 Camera
- User Manual (this document)



Image: The product packaging for the WOOX R4219 Solar Charge Panel, highlighting its features such as waterproof design, 2-meter power cord, Micro USB connector, and included protection cover for the R9045 camera.

Setup and Installation

Proper installation is crucial for optimal performance of your solar panel. Follow these steps to set up your WOOX R4219 Solar Panel:

1. **Choose an Optimal Location:** Select a location near your WOOX R9045 camera that receives direct sunlight for several hours each day. Avoid areas with significant shade from trees, buildings, or other obstructions. The panel should be positioned to maximize sun exposure throughout the day.
2. **Mount the Bracket:** Use the provided mounting brackets and screws to securely attach the solar panel to a wall or other stable surface. Ensure the bracket is firmly fixed before attaching the panel.
3. **Attach the Solar Panel:** Secure the solar panel to the mounted bracket. The adjustable design allows you to angle the panel for maximum sun exposure.
4. **Connect to Camera:** Insert the Micro USB connector from the solar panel's 2-meter cable into the charging port of your WOOX R9045 camera. Ensure the connection is secure.
5. **Install Protective Case (Optional but Recommended):** If not already done, place your R9045 camera into the provided waterproof protective case. This case offers additional protection and is designed to integrate with the solar panel setup.



Image: An example of the WOOX R4219 Solar Panel installed outdoors, connected to a security camera. The panel is positioned to capture sunlight effectively.



Image: The WOOX R4219 Solar Panel and a compatible camera mounted on an exterior wall, demonstrating a typical installation scenario for continuous power supply.

Operating Instructions

Once installed, the WOOX R4219 Solar Panel will automatically begin charging your connected WOOX R9045 camera's battery whenever it receives sufficient sunlight. The panel is designed to provide a continuous trickle charge, ensuring your camera remains powered without manual intervention.

- The solar panel converts sunlight into electrical energy, which is then supplied to the camera via the Micro USB cable.
- The camera's internal battery will be charged by the solar panel, reducing or eliminating the need for traditional AC charging.
- Performance may vary based on sunlight intensity, duration, and environmental factors such as temperature and cloud cover.

Maintenance

To ensure the longevity and optimal performance of your solar panel, consider the following maintenance tips:

- **Keep Clean:** Periodically inspect the surface of the solar panel for dirt, dust, leaves, or other debris. Clean the panel gently with a soft, damp cloth to ensure maximum light absorption. Avoid abrasive cleaners or harsh chemicals.
- **Check Connections:** Occasionally check the Micro USB connection to the camera to ensure it remains secure and free from corrosion.
- **Inspect for Damage:** After severe weather conditions, inspect the panel, cable, and mounting hardware for any signs of damage.

Troubleshooting

If your WOOX R9045 camera is not charging or maintaining power as expected, consider the following:

- **Insufficient Sunlight:**

- Ensure the solar panel is receiving direct sunlight for several hours a day.
- Check for new obstructions (e.g., growing trees, new constructions) that might be casting shadows on the panel.
- Adjust the angle of the panel to optimize sun exposure, especially during different seasons.

- **Dirty Panel Surface:**
  - Clean the solar panel surface as described in the Maintenance section. Accumulated dirt can significantly reduce charging efficiency.
- **Loose or Damaged Cable/Connector:**
  - Verify that the Micro USB cable is securely connected to both the solar panel and the camera.
  - Inspect the cable for any visible damage (cuts, kinks) and the connector for bent pins or corrosion.
- **Extreme Temperatures:**
  - While the panel is designed for outdoor use, extreme temperatures outside the specified operating range (-10 °C to 50 °C) can affect performance.
- **Camera Battery Issue:**
  - If the issue persists, the problem might be with the camera's battery itself. Refer to the WOOX R9045 camera's user manual for battery troubleshooting.

Specifications

Detailed technical specifications for the WOOX R4219 Solar Panel:

Feature	Value
Model Number	R4219
Brand	Woox
Output Power	DC 5V, 3W
Power Cable Length	2 meters
Waterproof Rating	IP65
Dimensions (L x W x H)	120 x 175 x 50 mm (4.72 x 6.89 x 1.97 inches)
Connector Type	Micro USB
Working Temperature	-10 °C to 50 °C (14 °F to 122 °F)
Working Humidity	≤95% RH
Product Weight	390 g (0.86 lbs)
Compatible Devices	WOOX R9045 Outdoor Camera (and other compatible Micro USB powered cameras)

Warranty and Support

For information regarding product warranty, technical support, or service, please refer to the warranty card included with your purchase or visit the official WOOX website. Contact details for customer support are typically available on the manufacturer's website or in the product packaging.
WOOX Official Website: www.wooxhome.com

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Model: R4219

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