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AMOROM RBX-S87

AMOROM RBX-S87 4G LTE Solar Cellular Camera User Manual

Model: RBX-S87 | Brand: AMOROM

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your AMOROM RBX-S87 4G LTE Solar Cellular Camera. This outdoor wireless camera is designed for continuous security monitoring in remote locations without Wi-Fi access, utilizing 4G LTE connectivity and solar power. It features 2K clarity, color night vision, AI human detection, and 360-degree pan/tilt control.



The AMOROM 4G LTE Solar Cellular Camera is suitable for diverse outdoor environments such as farms, ranches, construction sites, and warehouses, providing security where traditional Wi-Fi is unavailable.

2. Package Contents

Verify that all items are present in your package:

- AMOROM RBX-S87 4G LTE Solar Cellular Camera
- Instruction Manual
- Mounting Screws
- Charging Cable
- Pre-installed EIOTCLUB SIM card (with 300MB trial data)

3. Product Overview

The AMOROM RBX-S87 camera integrates a solar panel for continuous power and a 4G LTE module for network connectivity. Key components include the camera lens, infrared LEDs, floodlights, microphone, speaker, and a PTZ (Pan-Tilt-Zoom) mechanism for wide area coverage. The SIM card slot and Micro SD card slot are typically located under a protective cover on the camera body.



An overview of the AMOROM RBX-S87 camera, showing its solar panel, antennas, and main camera unit with integrated lights and lens.



The SIM card and Micro SD card slots are located on the camera body, typically under a weather-sealed cover for protection.

4. Setup Guide

4.1 SIM Card and Micro SD Card Installation

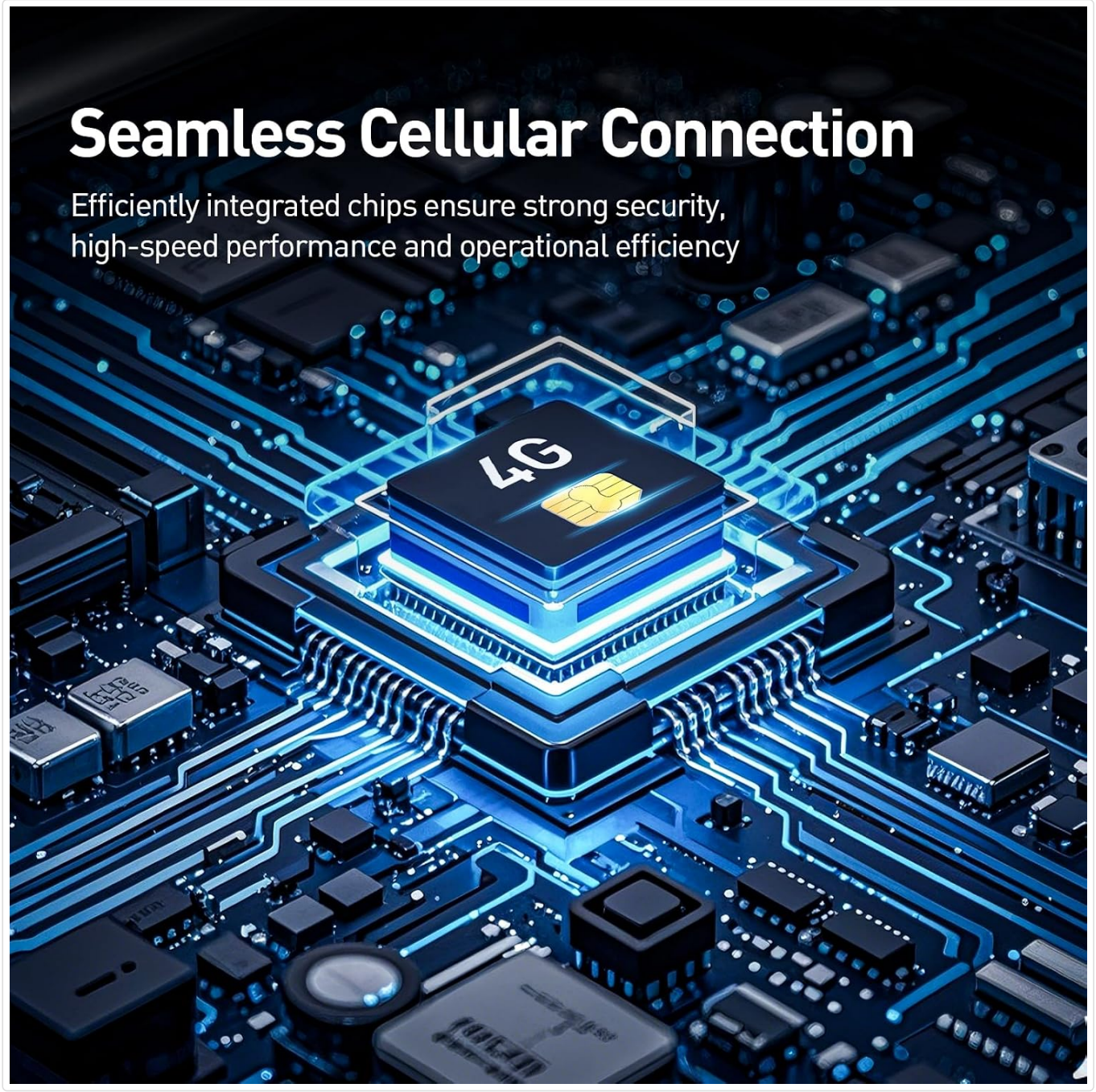
1. Locate the SIM card and Micro SD card slot cover on the camera body.
2. Carefully open the cover.
3. Ensure the pre-installed EIOTCLUB SIM card is correctly seated. Do not replace this original SIM card for service activation.
4. If using local storage, insert a Micro SD card (up to 128GB, not included) into its designated slot.
5. Securely close the cover to maintain IP65 waterproof rating.

4.2 Mounting the Camera

The camera is designed for wall mounting. Choose a location with optimal sunlight exposure for the solar panel and a clear view of the monitoring area.

1. Mark the drilling points on the wall using the mounting bracket as a template.

2. Drill holes and insert wall anchors if necessary.
3. Attach the mounting bracket to the wall using the provided screws.
4. Secure the camera to the mounting bracket.
5. Adjust the angle of the solar panel to maximize sun exposure.



The camera and solar panel mounted on an exterior wall, illustrating proper installation for optimal solar charging and surveillance.

4.3 App Installation and Initial Connection

1. Download the dedicated AMOROM app from your smartphone's app store (iOS or Android).
2. Register for an account and log in.
3. Power on the camera. The camera will initiate a self-test and indicate its status (e.g., flashing blue light).
4. Follow the in-app instructions to add your camera. This typically involves scanning a QR code on the camera or manually entering its ID.
5. Once connected, you can view the live feed and configure settings.

5. Operating Instructions

5.1 Live View and PTZ Control

Access the live video feed through the AMOROM app. Use the on-screen controls to pan (355° horizontally) and tilt (100° vertically) the camera lens to adjust the viewing angle. This allows for comprehensive coverage and reduces blind spots.



Control the camera's pan and tilt functions directly from your smartphone app to monitor different areas.

5.2 Motion Detection and Alerts

The camera features advanced AI human detection to distinguish people from other objects, minimizing false alarms. When motion is detected, the camera can:

- Send real-time alerts to your smartphone.
- Initiate HD video recording.
- Trigger two-way audio communication.

Customize detection sensitivity and alert preferences within the app.



The camera's AI detection system identifies human movement and sends instant alerts to your mobile device.

5.3 Two-Way Audio

Utilize the built-in microphone and speaker for two-way communication through the app. This allows you to speak to visitors or deter intruders remotely.

5.4 Video Storage

Recorded footage can be stored using two methods:

- **Micro SD Card:** Supports up to 128GB (not included) for local storage.
- **Cloud Storage:** Optional cloud storage plans are available, often with a free trial period.



Choose between local Micro SD card storage or optional cloud storage for your recorded video footage.

5.5 Multi-User Sharing

The AMOROM app allows multiple users to share access to the same camera, enabling family members or colleagues to monitor the property simultaneously.



The camera supports multi-user sharing, allowing several individuals to access the live feed and controls simultaneously.

6. Features Overview

- **Wi-Fi-Free Operation & Solar-Powered Design:** Operates independently of Wi-Fi networks using 4G LTE connectivity and is powered by an integrated solar panel, making it suitable for remote installations.
- **Pre-Installed 4G Connectivity:** Comes with an embedded EIOTCLUB SIM card for immediate activation on AT&T, T-Mobile, and Verizon networks in the US. Data plans are required after the trial period.
- **24/7 Color Vision with 2K Clarity:** Captures clear 2K (1440p) footage day and night. A 1/2.7" light-optimized sensor provides enhanced visibility and accurate color in low-light conditions up to 66 feet.
- **360° Smart Tracking & Auto-Zoom:** Motorized Pan-Tilt-Zoom (PTZ) technology allows 355° horizontal and 100° vertical movement. AI automatically tracks detected movement, reducing blind spots.
- **Smart AI Detection & Instant Alerts:** Advanced algorithms differentiate humans from animals or objects, triggering real-time app alerts, HD recording, and two-way talk with noise reduction. Sensitivity is customizable.
- **IP65 Waterproof:** Designed to withstand outdoor weather conditions, ensuring reliable operation in rain, snow, and dust.



The AMOROM RBX-S87 camera is built for outdoor use, combining solar power and 4G LTE for robust surveillance.



The IP65 rating ensures the camera's durability and functionality in various weather conditions, including rain.

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Official product video demonstrating the AMOROM 4G LTE Solar Cellular Camera's features and outdoor application.

7. Maintenance

Regular maintenance ensures optimal performance and longevity of your camera.

- **Solar Panel Cleaning:** Periodically clean the solar panel surface with a soft, damp cloth to remove dust, dirt, or debris that may obstruct sunlight and reduce charging efficiency.
- **Lens Cleaning:** Gently wipe the camera lens with a microfiber cloth to ensure clear image quality. Avoid abrasive materials.
- **Connection Check:** Regularly inspect all cable connections (e.g., solar panel to camera) to ensure they are secure and free from damage.
- **Battery Monitoring:** While solar-powered, the camera contains internal batteries. Monitor battery status via the app, especially during prolonged periods of low sunlight.

8. Troubleshooting

If you encounter issues with your AMOROM RBX-S87 camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Camera not connecting to app	Incorrect SIM card activation, poor 4G signal, app pairing issue.	Ensure SIM card is active and has data. Check 4G signal strength at installation location. Re-attempt app pairing process. Restart camera.
Poor image quality at night	Obstruction of IR/floodlights, insufficient ambient light, dirty lens.	Clean the camera lens. Ensure no objects are blocking the lights. Verify night vision settings in the app.
Frequent false alarms	High motion sensitivity, environmental factors (e.g., moving branches, animals).	Adjust motion detection sensitivity in the app. Configure detection zones to exclude irrelevant areas.
Camera not charging	Insufficient sunlight, dirty solar panel, faulty connection.	Ensure solar panel is in direct sunlight for several hours daily. Clean the solar panel. Check the charging cable connection.
PTZ control unresponsive	Network latency, motor obstruction, software glitch.	Check 4G signal strength. Restart the camera and app. Ensure no physical obstructions are impeding camera movement.

9. Specifications

Feature	Detail
Model Name	S4B-4G-3M-US-BK
Item Model Number	RBX-S87
Indoor/Outdoor Usage	Outdoor
Power Source	Solar Powered, Battery Powered (4 A batteries included)
Connectivity Protocol	Cellular 4G LTE
Wireless Communication Technology	Cellular 4G LTE
Video Capture Resolution	1440p (2K)
Night Vision Range	66 Feet
Viewing Angle	95 Degrees (Fixed Lens)
Pan/Tilt Control	355° Pan, 100° Tilt
Water Resistance Level	IP65 Waterproof
Flash Memory Type	Micro SD (Max. 128 GB)
Video Encoding	H.265

Feature	Detail
Low Light Technology	Night Color
Control Method	App, Remote
Compatible Devices	Smartphone (iOS, Android)
Product Dimensions	6 x 5.5 x 5 inches
Item Weight	2.1 pounds

10. Warranty and Support

Your AMOROM RBX-S87 camera comes with a standard manufacturer's warranty. For specific warranty terms, please refer to the documentation included with your purchase or contact AMOROM customer support.
For technical assistance, troubleshooting, or any product-related inquiries, please visit the AMOROM official website or contact their customer service team. Contact information can typically be found on the product packaging or the AMOROM brand store page.

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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.

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