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> [Zemismart Smart Curtain Robot User Manual for I-Rail, U-Rail, and Roman Rod Curtains](#)

zemismart Smart Curtain Robot

Zemismart Smart Curtain Robot User Manual

Model: Smart Curtain Robot | Brand: Zemismart

1. PRODUCT OVERVIEW

The Zemismart Smart Curtain Robot is an intelligent device designed to automate the opening and closing of your curtains. It offers multiple control options including the Tuya App, RF remote control, and voice commands via smart assistants like Alexa, Google Assistant, and Siri. This device is compatible with various curtain track types, providing convenience and smart home integration.



Image 1.1: The Zemismart Smart Curtain Robot, including the main unit, remote control, and various adapters for different curtain rails.

Key Features:

- **Easy Installation:** No screws or complex tools required.
- **Multiple Control Options:** Tuya App/Smart Life App, RF 433 remote control, Voice Control (Alexa, Google Assistant, Siri).
- **Integrated Battery:** 3000mAh lithium battery for long standby time.
- **Solar Panel Support:** Optional solar panel for continuous charging (sold separately).
- **Strong Load-Bearing:** Supports curtains up to 10 kg.
- **Wide Compatibility:** Suitable for Roman rods (20-28mm), I-rails (width 12.8-14mm, height ≥ 12 mm), and U-rails (width > 15 mm, height > 12.7 mm, gap width 6.5-8mm).
- **Timer Function:** Schedule curtain opening and closing times.
- **Position Memory:** Remembers preferred open/close positions.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installation and use. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Keep the device away from water and high humidity.
- Do not attempt to disassemble, repair, or modify the device. Contact customer support for

assistance.

- Ensure the curtain track is securely installed and can support the weight of the curtains plus the device.
- Keep children and pets away from moving curtains and the device during operation.
- Use only the specified charging accessories.
- Do not expose the device to extreme temperatures.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- Smart Curtain Robot Main Unit
- RF Remote Control
- USB WiFi Dongle (for App control)
- Adapters for Roman Rods
- Adapters for U-Rails
- Adapters for I-Rails
- User Manual (this document)

4. SETUP AND INSTALLATION

The Zemismart Smart Curtain Robot is designed for quick and easy installation, typically taking around 30 seconds per unit.

Compatibility Check:

Ensure your curtain track or rod is compatible with the device. Refer to the specifications below:

- **Roman Rods:** Diameter 20-28mm
- **I-Rails:** Width 12.8-14mm, Height ≥ 12 mm
- **U-Rails:** Width >15 mm, Height >12.7 mm, Gap Width 6.5-8mm

Note: This motor is not compatible with telescopic rods.



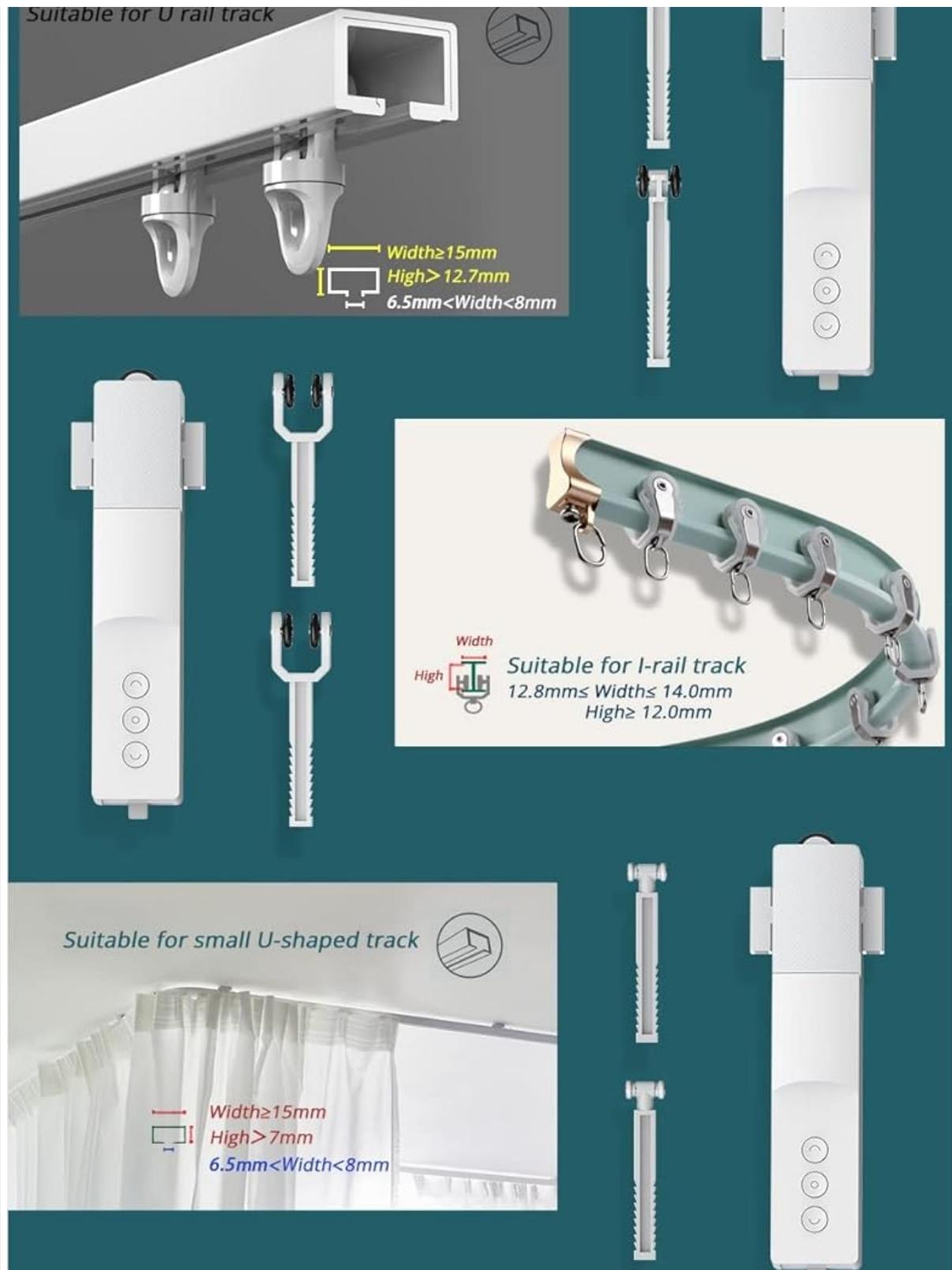


Image 4.1: Visual guide for compatible curtain rod and rail dimensions.

Installation Steps:

1. **Select Appropriate Adapters:** Based on your curtain type (Roman rod, U-rail, or I-rail), choose the correct set of adapters from the package.
2. **Attach Adapters to Robot:** Securely attach the chosen adapters to the main unit of the Smart Curtain Robot.
3. **Mount the Robot:** Gently clip or slide the robot with its adapters onto your curtain rod or rail. Ensure it is firmly in place and can move freely along the track.
4. **Initial Power On:** Press the power button on the robot to turn it on.

5. **Pairing (Optional):** If using the Tuya App, plug in the WiFi dongle and follow the app's instructions to pair the device.

Easy Installation



Thought it would take you over an hour to complete the installment? No ! It takes you only 30 seconds to install, no matter it's U rail, Rod or I rail.

Image 4.2: The installation process is quick and straightforward for various rail types.

5. OPERATION

Charging the Device:

The Smart Curtain Robot has a built-in 3000mAh lithium battery. Charge the device using the provided USB cable. For continuous power, an optional solar panel can be connected (sold separately).

LONG STANDBY

Can work on a single charge

5 
MONTHS

3000 
MA

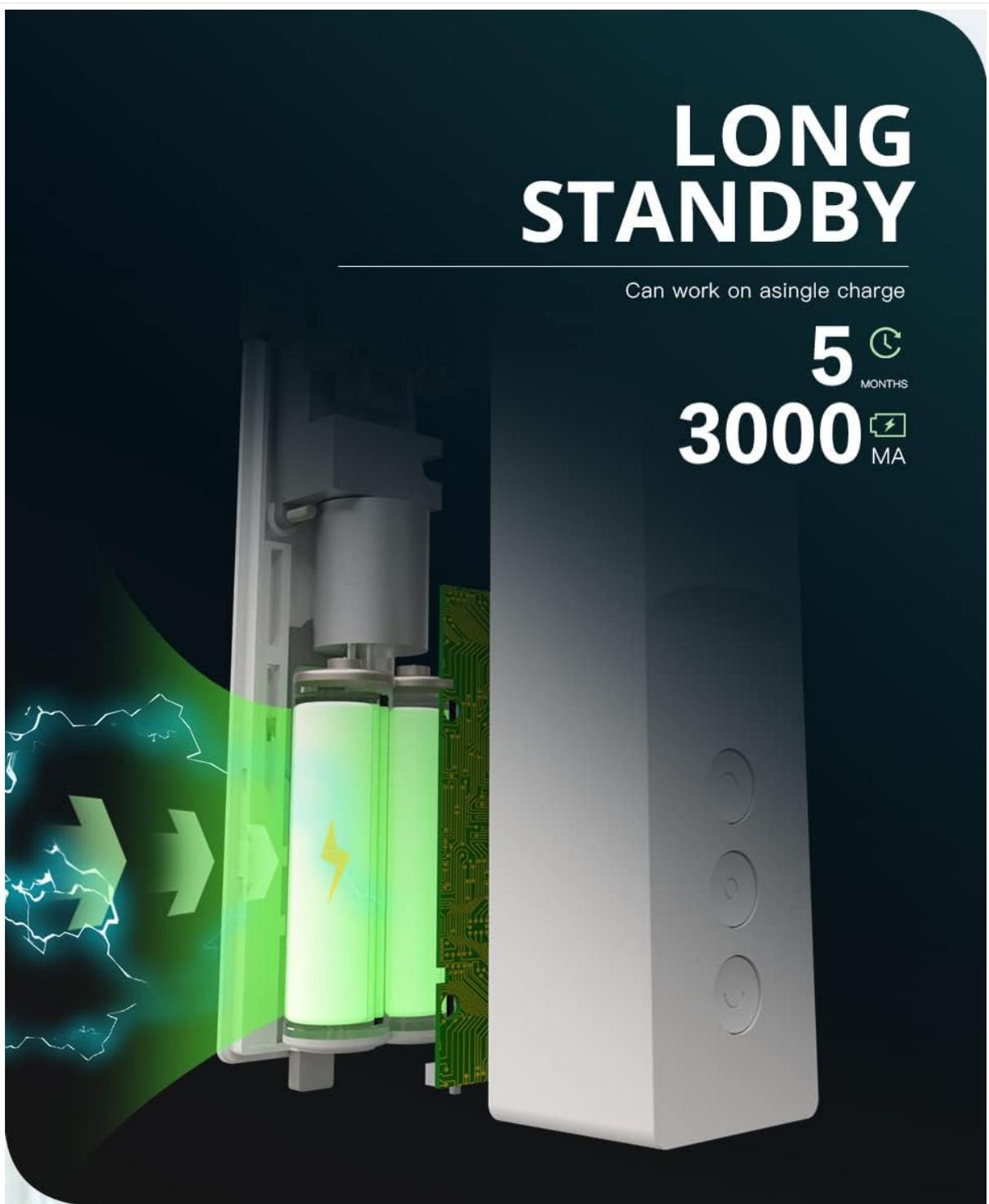


Image 5.1: The device features a 3000mAh battery, offering extended standby time on a single charge.

WORK WITH SOLAR PANEL

Solar Panel Optional, no need pull it off to charging

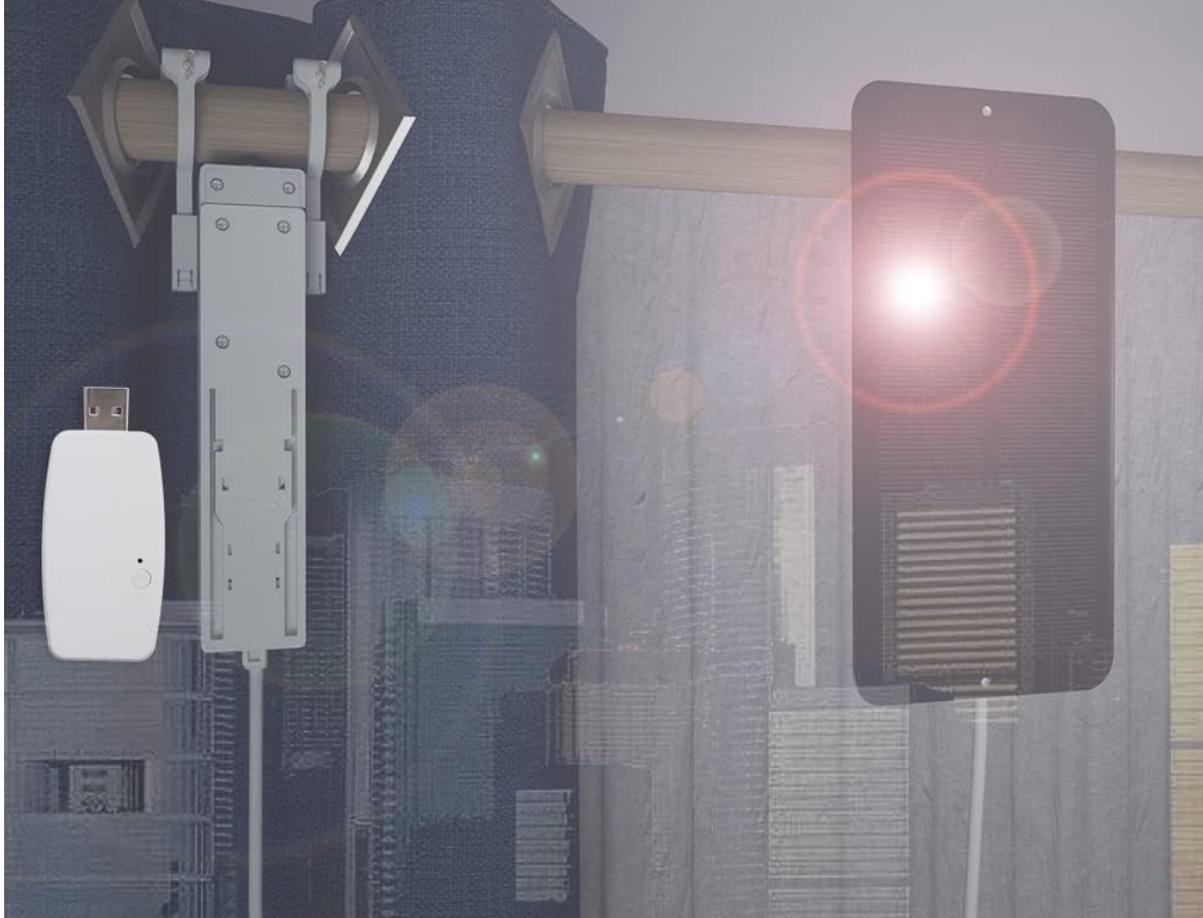


Image 5.2: The Smart Curtain Robot can be powered by an optional solar panel, eliminating the need for frequent charging.

Control Methods:

The Smart Curtain Robot offers versatile control options:

- **Tuya App / Smart Life App:** Download the Tuya or Smart Life app from your smartphone's app store. Follow the in-app instructions to add and control your device. The app allows remote control, timer settings, and percentage-based opening/closing.
- **RF Remote Control:** Use the included RF remote to open, close, or stop the curtains. The remote supports continuous movement or inching mode, and can control multiple robots simultaneously or individually.
- **Voice Control:** Integrate the device with Alexa, Google Assistant, or Siri for hands-free operation. Once connected, you can use voice commands like "Alexa, open the living room curtains."

Voice Control

Use your voice command to control your curtains with Google, Alexa, Siri and other integrations

Turn on the living room's curtain

OK



Image 5.3: Voice control integration with smart assistants like Google, Alexa, and Siri for convenient operation.

Multiple position control

Allow to set several limit by remote,
so can control it to a exactly postion by remote



Image 5.4: The RF remote allows for precise control, including setting multiple intermediate open positions.

Curtain Opening Modes:

- **Single Open:** For curtains that open from one side (e.g., left to right). One robot unit is sufficient.
- **Double Open (Center Open):** For curtains that open from the middle. This requires two robot units. Install them oppositely so they move away from each other.



Single open

Single left to right

Double open

You can get Curtain Starter Pack (two units) so to open and close your double-sided curtains from the middle

If you would like make the curtains open from middle, should install the driver oppositely, or they will run to the same side



Image 5.5: The robot supports both single-sided and double-sided curtain opening configurations.

Timer and Position Settings:

Utilize the Tuya/Smart Life app to set schedules for your curtains. You can program them to open at sunrise and close at sunset, or any specific time. The device also features position memory, allowing you to set and recall specific open percentages (e.g., 20%, 50%, 70% open).

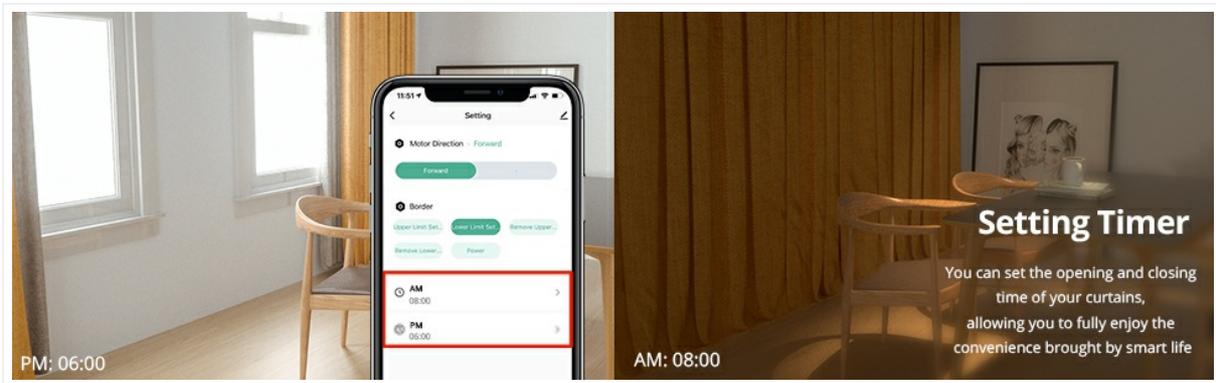


Image 5.6: Set custom timers via the app for automated curtain operation.

6. MAINTENANCE

To ensure optimal performance and longevity of your Zemismart Smart Curtain Robot, follow these maintenance guidelines:

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Care:** Recharge the battery when indicated by the device or app. If using the solar panel, ensure it is clean and exposed to sufficient sunlight.
- **Track Inspection:** Periodically check your curtain track or rod for any obstructions or damage that might impede the robot's movement.
- **Firmware Updates:** Check the Tuya/Smart Life app for any available firmware updates to ensure your device has the latest features and bug fixes.

7. TROUBLESHOOTING

If you encounter issues with your Smart Curtain Robot, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Robot does not move.	Low battery, obstruction, incorrect installation.	Charge the battery. Check for any physical obstructions on the track. Re-install the robot ensuring it's securely attached.
Remote control not working.	Remote battery low, not paired, out of range.	Replace remote battery. Re-pair the remote with the robot (refer to pairing instructions). Ensure you are within range.
App control not working.	WiFi dongle not connected, poor WiFi signal, device offline in app.	Ensure the WiFi dongle is plugged in and powered. Check your home WiFi connection. Verify the device status in the Tuya/Smart Life app. Re-pair if necessary.
Curtains do not open/close fully.	Limits not set correctly, track obstruction.	Reset and re-calibrate the open/close limits via the app or remote. Check the curtain track for any resistance.

If the problem persists, please contact Zemismart customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Brand	zemismart
Model	Smart Curtain Robot
ASIN	B09CKY2WL8
Weight	233 grams
Material	Acrylonitrile Butadiene Styrene (ABS)
Color	White
Battery Type	Lithium-ion
Battery Capacity	3000 mAh
Max Load Capacity	10 kg
Roman Rod Compatibility	Diameter 20-28mm
I-Rail Compatibility	Width 12.8-14mm, Height \geq 12mm
U-Rail Compatibility	Width >15mm, Height >12.7mm, Gap Width 6.5-8mm

9. WARRANTY AND SUPPORT

Zemismart is committed to providing quality products and customer satisfaction. If you require assistance with installation, operation, or encounter any issues with your product, please contact our customer support team.

- All inquiries will receive a response within 12 hours, accounting for time differences.
- We offer a 100% refund if the product has a verifiable problem.

For support, please refer to the contact information provided with your purchase or visit the official Zemismart website.