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Blindsmart 15C

Blindsmart Rechargeable Tuya Zigbee Roller Blinds Motor User Manual

Model: 15C

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Blindsmart Rechargeable Tuya Zigbee Roller Blinds Motor. Please read this manual thoroughly before use to ensure proper function and longevity of your product.

Package Contents

Upon unboxing, please verify that all the following components are included:

- 1 x Blinds Motor
- 1 x RF433 Remote
- 1 x Set of Tube Install Brackets
- 1 x Crown
- 1 x Zigbee USB Dongle
- 1 x Zigbee USB Dongle Manual
- 1 x Motor Setting Manual
- *Note: Tuya Zigbee Hub is not included in the package and is required for smart control features.*



Image 1.1: Blindsmart Rechargeable Tuya Zigbee Roller Blinds Motor, RF Remote, and installation brackets.

2. Product Overview and Features

The Blindsmart Rechargeable Tuya Zigbee Roller Blinds Motor is designed to automate your window shades, offering convenience and smart home integration.

Key Features

- Compatible with 36mm, 37mm, and 38mm (inner diameter) shade tubes.
- Capable of carrying up to 5kg of fabric.
- Built-in 3000mAH Li-battery for long-lasting operation (approx. 3 months per charge).
- USB charging port for convenient recharging.
- Integrated Tuya Zigbee receiver for smart control.

Control Methods

The motor supports multiple control options:

- **Tuya APP Control:** Control via Tuya Smart or Smart Life APP (requires Tuya Zigbee Hub).
- **Voice Control:** Compatible with Alexa, Google Home, and Siri for voice commands.
- **Remote Control:** Use the included RF433 remote to operate the blinds. One remote can control up to 10 motors as a group.

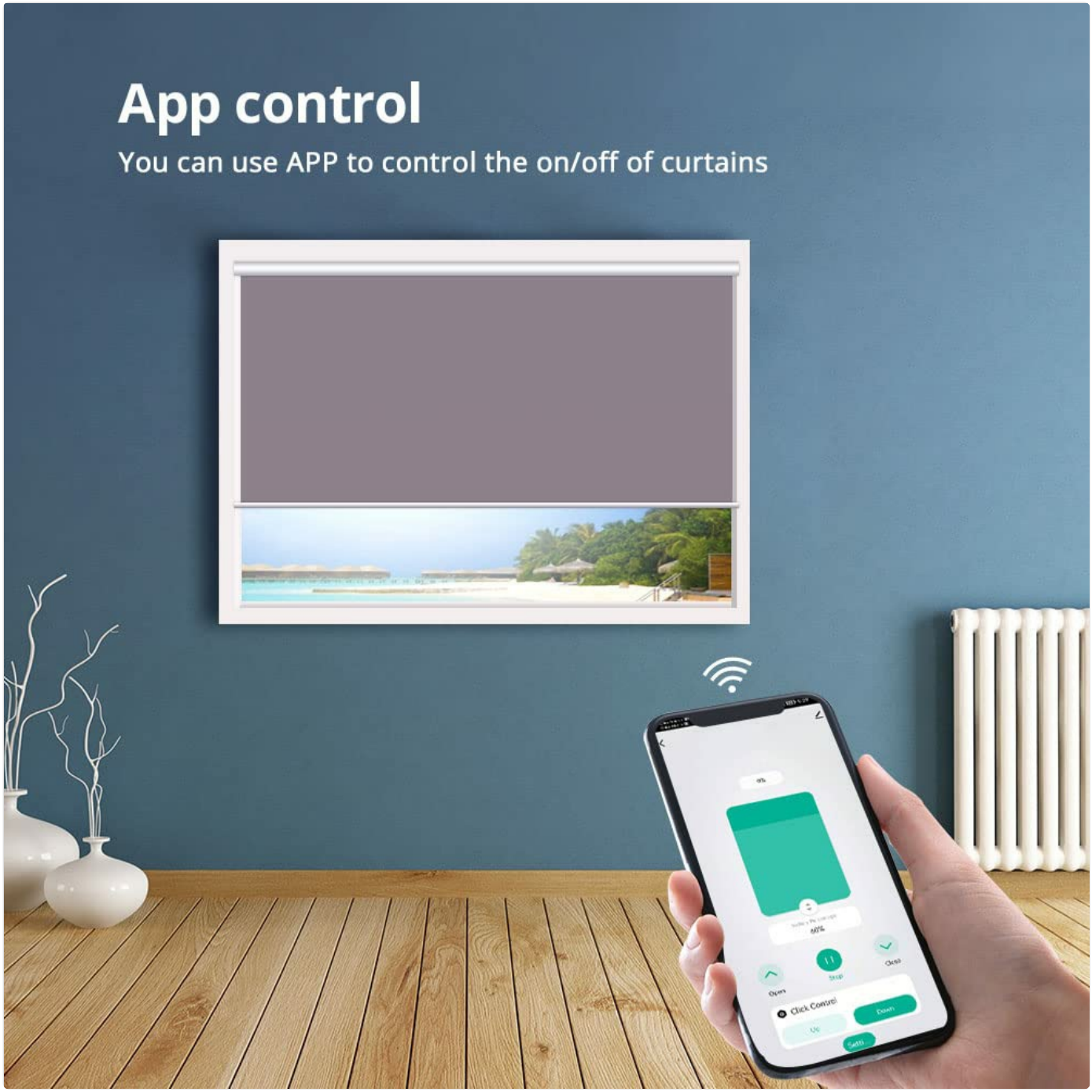


Image 2.1: App control interface for managing blinds.



Image 2.2: RF remote control for direct operation.

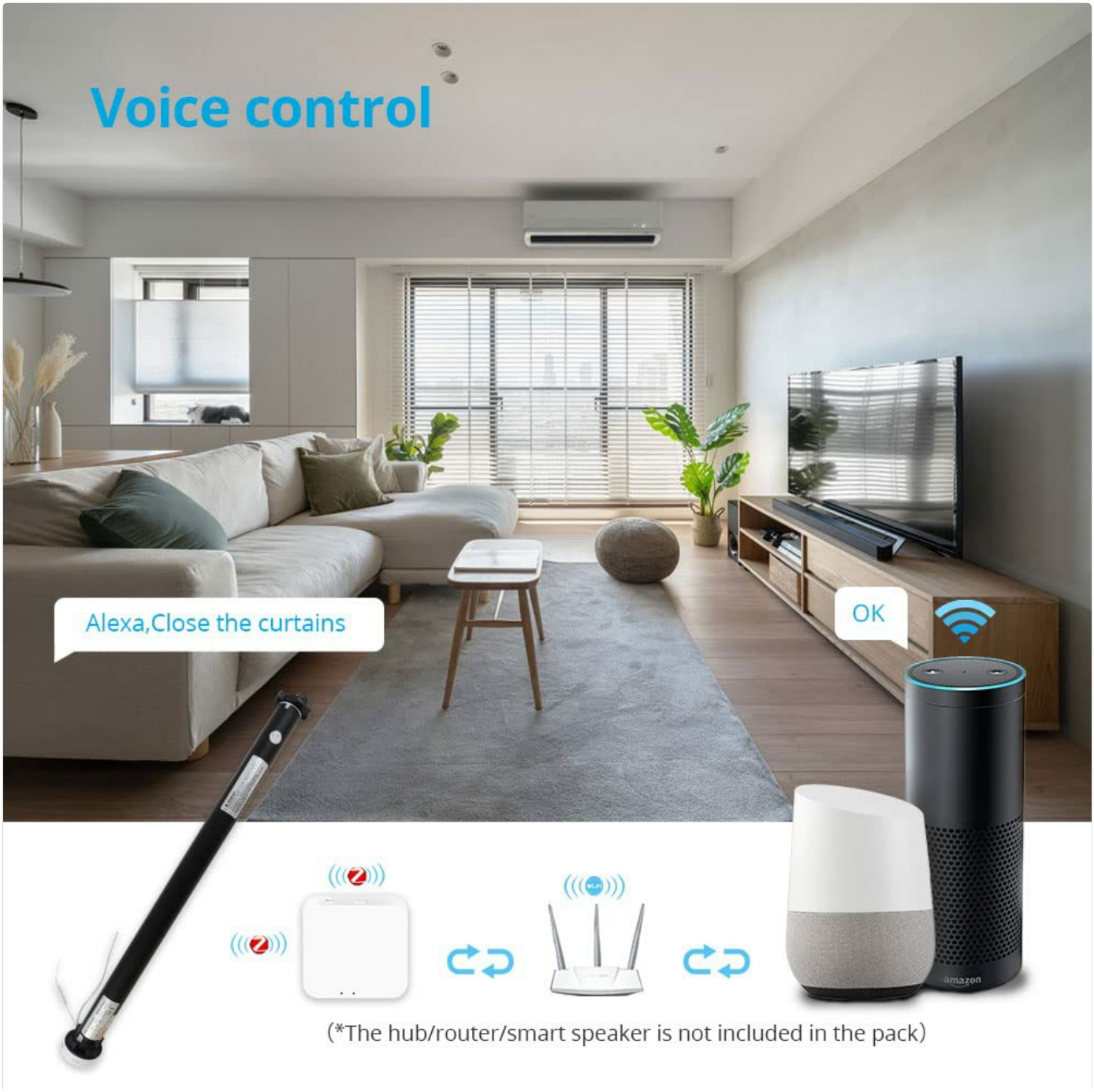


Image 2.3: Voice control integration with smart speakers like Alexa and Google Home.

Motor Variants

The Blindsmart motor is available in different configurations:



Image 2.4: Overview of Zigbee Rechargeable, Zigbee Solar Panel Charge, and Zigbee Homkit Rechargeable motor variants.

3. Setup and Installation

Pre-installation Check

Before installation, measure the outside diameter of your shade tube to ensure compatibility. This motor works with 36mm, 37mm, and 38mm roller shade tubes.



Image 3.1: Guide for measuring the outer diameter of your roller blind tube.

Installation Steps

Follow these steps to install your Blindsmart motor:

1. **Prepare the Motor:** Insert the motor into the appropriate driving tube of your roller blind.
2. **Install End Plug and Mounting Bracket:** Attach the end plug and mounting bracket. Place them into the tube to test the overall length and mark the desired position on the wall or ceiling.
3. **Mount Brackets:** Securely install the mounting brackets on the wall or ceiling at the marked positions.
4. **Attach Curtain:** Clip the entire roller blind assembly onto the mounting brackets. Ensure it is securely fastened.

Note: The motor can be installed for both outside mount and inside mount configurations.

4. Operating Instructions

Charging the Motor

The motor features a built-in 3000mAh Li-battery. To charge, connect a USB charging cable to the motor's USB charging port. The battery level can be monitored via the Tuya Smart or Smart Life app.



Image 4.1: Battery level shown in the app and the motor's internal battery.

Remote Control Operation

Use the provided RF433 remote to control your blinds. The remote typically includes buttons for Up, Down, Stop, and potentially group control functions. Refer to the included RF433 Remote manual for specific pairing and operation instructions.

App Control (Tuya Smart / Smart Life)

To use app control, you must have a Tuya Zigbee Hub (not included) and the Tuya Smart or Smart Life app installed on your smartphone. Follow the Zigbee USB Dongle Manual for instructions on connecting the motor to your Zigbee hub and the app. Once connected, you can control the blinds, set limits, and view battery status through the app interface.

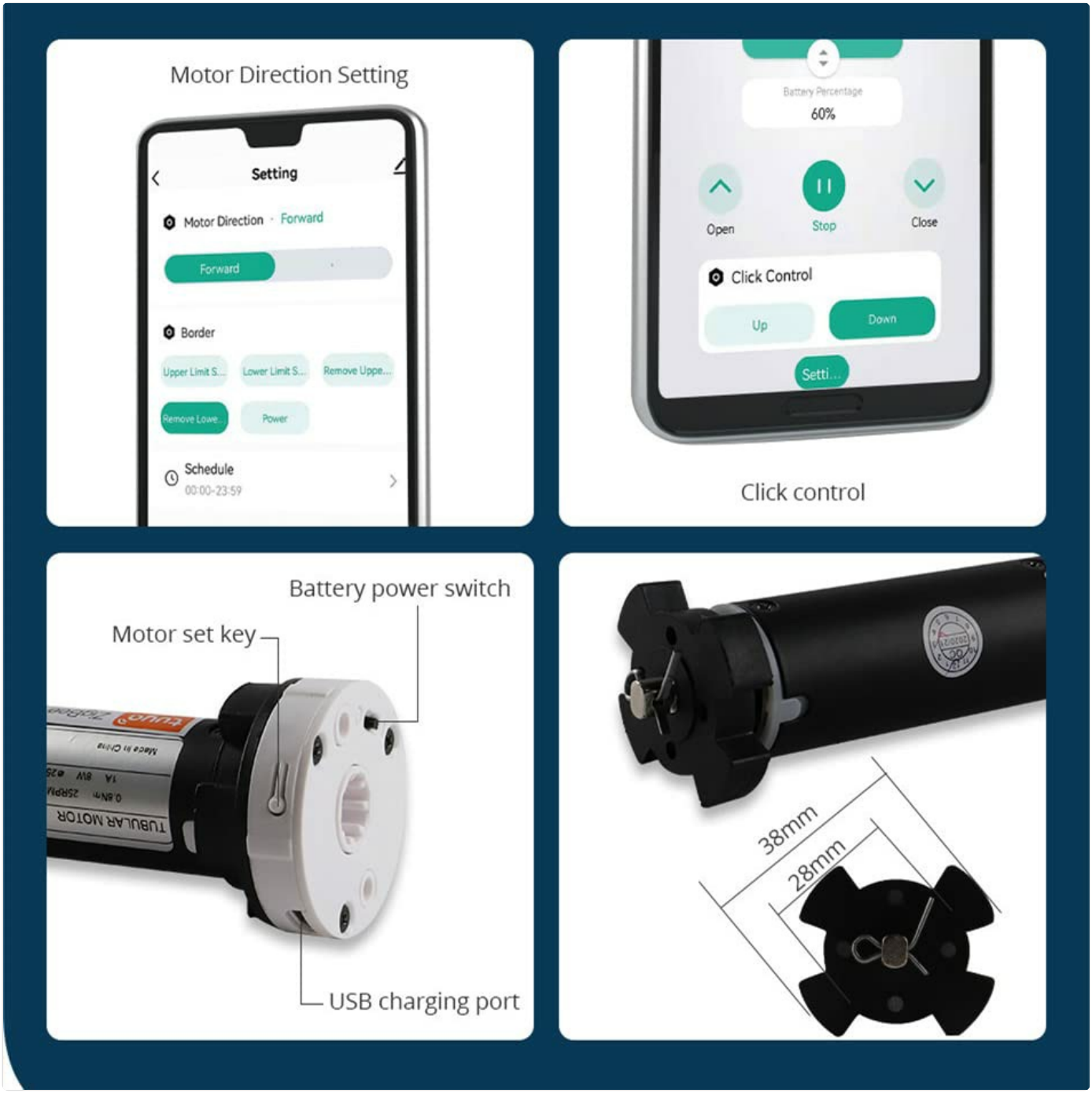


Image 4.2: App interface for motor direction setting and click control, alongside physical motor components like the USB charging port and motor set key.

Voice Control (Alexa / Google Home / Siri)

After successfully connecting your motor to the Tuya Smart or Smart Life app and linking it with your smart home assistant (Alexa, Google Home, or Siri), you can use voice commands to operate your blinds. For example, "Alexa, close the curtains."

5. Maintenance

Battery Care

To maximize battery life, charge the motor when the battery level is low. Avoid completely draining the battery frequently. The built-in 3000mAh Li-battery is designed to last approximately 3 months on a single charge under normal usage.

Cleaning

Clean the exterior of the motor and remote with a soft, dry cloth. Do not use abrasive cleaners or immerse the devices in

water. Ensure the USB charging port is free from dust and debris.

6. Troubleshooting

Common Issues and Solutions

Issue	Possible Cause	Solution
Motor not responding to remote.	Remote battery low; remote not paired; motor not powered.	Replace remote battery; re-pair remote with motor (refer to Motor Setting Manual); ensure motor is charged.
Motor not responding to app/voice control.	Tuya Zigbee Hub not connected; motor not paired with hub; Wi-Fi/internet issue; hub too far from motor.	Ensure Zigbee Hub is powered and connected; re-pair motor with hub via Tuya app; check Wi-Fi connection; move hub closer to motor.
Blinds stop mid-way or do not reach limits.	Limits not set correctly; motor battery low; obstruction.	Reset and re-set upper/lower limits via app or remote; charge motor battery; check for any physical obstructions.
Motor makes unusual noise.	Misalignment; internal issue.	Check motor and tube alignment; if noise persists, contact customer support.

If you encounter issues not listed here or require further assistance, please contact Blindsmart customer support.

7. Specifications

Technical Specifications

Parameter	Value
Product Model	15C
Rated Torque	0.8 N.m (also listed as 1 N.m in description, using 0.8 N.m from specifications table)
Rated Voltage	DC 7.4V
Rated Current	0.5A (also listed as Max current: 1A in image) - Using 0.5A from description.
Running Noise Value	35-40dB
Battery Capacity	3000mAh
Material	Plastic
Product Dimensions	41.5L x 4W Centimeters
Item Weight	0.71 Kilograms (712 g)
Compatible Tube Diameter	36mm, 37mm, 38mm (inner diameter)



Product model:ZM25EL	Input voltage:DC7.4V	Rated Power:8W	Max current:1A
Battey capacity:3000mAh	Torque:0.8Nm	Rated RPM:25PRM	Running noise:35-40dB

Image 7.1: Detailed product dimensions and technical parameters.

8. Warranty and Support

Warranty Information

Specific warranty details are typically provided with your purchase documentation or on the manufacturer's official website. Please retain your proof of purchase for warranty claims.

Customer Support

For any questions, technical assistance, or troubleshooting not covered in this manual, please contact Blindsmart customer support. You can typically find contact information on the product packaging or the official Blindsmart website.

Note: As per product description, "Please message us anytime if you have any questions."

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.

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

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