Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Blindsmart ZM25EL

Blindsmart Rechargeable Tuya Zigbee Roller Blinds Motor (38mm Tube)

Model: ZM25EL

Product Overview

This manual provides instructions for the Blindsmart Rechargeable Tuya Zigbee Roller Blinds Motor, designed for 38mm tubes. It features automatic control via a 9-channel remote, a mobile application, and voice commands. The motor is powered by a built-in rechargeable battery and can be charged via USB or an optional solar panel. A Zigbee hub is required for smart functionality and app control.
Brand: Blindsmart
Model: ZM25EL

Package Contents

The package includes all necessary components for installation and operation. Please verify all items are present before proceeding.

Your browser does not support the video tag.

Video Description: This video demonstrates the unboxing and shows all parts required for installation of the ZemiSmart Roller Shade Motor. It includes the motor, RF remote control, roller blind end cap, roller blind brackets, screws & wall plugs, USB extension cable, micro USB charging cable, and instruction manuals.
The video shows the following components:

- Roller Blind Motor
- RF Remote Control
- Roller Blind End Cap
- Roller Blind Brackets
- Screws & Wall Plugs
- USB Extension Cable
- Micro USB Charging Cable
- Instruction Manuals

Setup and Installation

1. Measure Your Shade Tube

Before installation, ensure your roller shade tube is compatible with the motor. The motor is designed for 36mm, 37mm, or 38mm inner diameter tubes.



Image Description: An image titled "MEASUREMENT GUIDE" showing a diagram of a roller blind tube with dimensions, indicating to measure the outer diameter (OD) and inner diameter (ID) to ensure compatibility with the motor. Several examples of compatible tubes are shown below the diagram.

2. Charge the Motor Battery

Before installing the roller shades, ensure the motor battery is fully charged using the included USB cable. The motor has a built-in 3000mAH Li-battery.

Your browser does not support the video tag.

Video Description: This video segment (0:09-0:17) demonstrates how to charge the roller blind motor using the provided USB cable and power adapter. It shows connecting the USB cable to the motor and then to a power source.

3. Insert Motor and End Cap into Tube

Insert the motor into one end of the roller blind tube. The motor only fits into your roller shade tube in one specific position, ensuring the motor grips the inside of the tube. Then, insert the end cap into the other end of the roller blind tube.

Your browser does not support the video tag.

Video Description: This video segment (0:18-0:49) shows how to insert the motor into one end of the roller blind tube, ensuring proper alignment. It also demonstrates inserting the end cap into the opposite end of the tube.

4. Install Mounting Brackets

Affix the roller blind brackets to the ceiling or wall. Ensure the bracket with the plastic holder mechanism is facing outward for easy installation of the roller blind from the front. Secure the second bracket, ensuring the distance between the two is equal to the width of the roller shade tube to be installed.

Your browser does not support the video tag.

Video Description: This video segment (0:50-1:12) demonstrates the process of affixing the roller blind brackets to the ceiling. It highlights the correct orientation of the bracket with the plastic holder and the importance of correct spacing between brackets.

5. Mount the Roller Shade

Install the roller shade tube into the mounted brackets. Ensure the end with the motor has the reset button and micro-USB port accessible for later use. The other end of the tube sits in the plastic holder, which is secured by pulling the catch over and down, snapping it into place.

Your browser does not support the video tag.

Video Description: This video segment (1:13-1:24) shows how to mount the assembled roller shade tube into the installed brackets, ensuring the motor end is correctly positioned and secured.

6. Power On the Motor

Turn the power to the motor on by simply toggling the switch on the end of the motor from '0' to '1'.

Your browser does not support the video tag.

Video Description: This video segment (0:26-0:31) demonstrates how to turn on the motor by toggling the power switch located on the motor's end cap.

7. Pair with Tuya Smart App (Zigbee Hub Required)

The Zigbee model requires a Zigbee hub and an account in the 'Tuya Smart' app. For Apple HomeKit integration, you need the ZMHK-01 hub or newer. Open the Tuya Smart app and tap on the 'Add Device' button, or the '+' icon at the top of the screen. Select your gateway/hub on the next screen, then press the pairing button on the motor three (3) times. The roller shade motor will be automatically 'discovered'. Tap on the 'Add' button, then tap 'Done' to complete.

Your browser does not support the video tag.

Video Description: This video segment (1:25-1:53) demonstrates the process of pairing the smart blind motor with the Tuya Smart app using a Zigbee hub. It shows navigating the app, pressing the pairing button on the motor, and confirming device discovery.

8. Pair with Remote Control

You need to pair the remote to the roller blind motor. Press the Pairing button once on the motor, then the 'Up' button on the remote once. The motor will respond with a confirmation sound.

Your browser does not support the video tag.

Video Description: This video segment (1:54-2:01) demonstrates how to pair the remote control with the roller blind motor by pressing the pairing button on the motor and then the 'Up' button on the remote.

Operating Instructions

1. Setting Upper and Lower Limits (Remote Control)

Next, you need to set the upper and lower limits of your blinds to ensure they open and close in the right places. The easiest method is with the included remote:

- **Set Upper Limit:** Press 'up' on the remote to begin setting the upper limit. Press the 'Stop' button when this has been reached. Then press the 'set' button above the battery compartment once, then the 'Up' button. You will hear a 'beep' confirmation sound.
- **Set Lower Limit:** Press 'down' on the remote to set the lower limit. Press the 'Stop' button when this has been reached. Then press the 'set' button above the battery compartment once, then the 'Down' button. You will hear a 'beep' confirmation sound.

Your browser does not support the video tag.

Video Description: This video segment (2:02-2:33) demonstrates how to set the upper and lower limits for the roller blinds using the remote control. It shows the sequence of pressing 'up', 'stop', 'set', and 'up' for the upper limit, and 'down', 'stop', 'set', and 'down' for the lower limit.

2. Setting a Custom Position (Remote Control)

To set a custom intermediate position, press 'up' or 'down' on the remote to move the blind to your desired position. Press the 'Stop' button when this has been reached. Then press the 'set' button above the battery compartment once, then the 'Stop' button. You will hear a 'beep' confirmation sound.

Your browser does not support the video tag.

Video Description: This video segment (2:34-2:46) demonstrates how to set a custom intermediate position for the roller blinds using the remote control. It shows moving the blind to a desired position and then saving it using the 'set' and 'stop' buttons.

3. Resetting Limits (Remote Control)

To reset the limits, press the 'set' button three (3) times, then press the button corresponding to the limit you want to reset (Up for upper limit, Down for lower limit, or Stop for custom position).

Your browser does not support the video tag.

Video Description: This video segment (2:47-2:53) demonstrates how to reset the upper, lower, or custom limits of the roller blinds using the remote control by pressing the 'set' button three times followed by the relevant limit button.

4. Changing Blind Direction (Remote Control)

To change the direction of the blinds in relation to the remote, press the 'set' button four (4) times, then press 'up'.

Your browser does not support the video tag.

Video Description: This video segment (2:54-3:00) demonstrates how to change the operating direction of the roller blinds using the remote control by pressing the 'set' button four times followed by the 'up' button.

5. App and Voice Control

Once paired with the Tuya Smart app and a compatible Zigbee hub, you can control your blinds using the app or voice commands through integrated platforms like Alexa, Google Home, and Siri. The app allows for precise control, scheduling, and monitoring of battery levels.



Image Description: An image showing a living room with smart speakers (Amazon Echo and Google Home) and a roller blind, illustrating voice control functionality. Text overlay says "Voice control" and "Alexa, Close the curtains".



Image Description: An image showing a hand holding a smartphone displaying the Tuya Smart app interface for controlling roller blinds. The app shows open/stop/close buttons and a percentage slider for blind position. Text overlay says "App control" and "You can use APP to control the on/off of curtains".



Image Description: A split image showing the Tuya Smart app interface for motor direction setting and click control. The app allows setting motor direction (forward/reverse) and defining upper/lower limits. It also shows open/stop/close buttons and a percentage slider for blind position.

Maintenance

Battery Charging

The motor is equipped with a built-in 3000mAH Li-battery. To charge the motor, use the provided USB cable. The battery level can be checked within the Tuya Smart app. If you have the version with a solar panel, it will continuously charge the battery when exposed to sufficient sunlight.



Image Description: A split image showing a smartphone screen displaying the battery percentage of the motor in the app, alongside a visual representation of the motor's internal battery. Text overlay says "Battery Show" and "Show battery level in the app, so that can check the battery all time with 3000mAh battery, working for longer time".

Troubleshooting

- **Motor Not Responding:**
  - Ensure the motor battery is charged. Connect the USB cable to charge.
  - Verify the power switch on the motor is in the '1' (on) position.
  - Check if the remote control batteries are functional.
  - Re-pair the remote control with the motor (refer to "Pair with Remote Control" section).
- **App Control Not Working:**
  - Confirm you have a compatible Zigbee hub and it is powered on and connected to your network.
  - Ensure the Zigbee hub is within range of the motor. Proximity is important for reliable connection.
  - Check your Wi-Fi connection and ensure the Tuya Smart app is updated to the latest version.
  - Attempt to re-pair the motor with the Tuya Smart app (refer to "Pair with Tuya Smart App" section).
- **Blinds Not Stopping at Correct Limits:**
  - Re-set the upper and lower limits using the remote control (refer to "Setting Upper and Lower Limits" section).
  - If limits are incorrect after setting, try resetting them completely before re-setting (refer to "Resetting Limits" section).
- **Remote Control Lag:**
  - Ensure the remote control batteries are fresh.
  - Minimize obstructions between the remote and the motor.

Specifications

Feature	Detail
Product Model	ZM25EL
Compatible Tube Diameter	36mm, 37mm, 38mm (inner diameter)
Max Fabric Weight	Up to 5kg

Battery Capacity	3000mAH Li-battery
Charging Method	USB Cable (Solar Panel optional)
Control Methods	Tuya Smart App (Zigbee), RF Remote, Voice Control (Alexa, Google Home, Siri)
Zigbee Hub Required	Yes (not included, except for specific bundles)
Input Voltage	DC7.4V
Rated Power	8W
Max Current	1A
Torque	0.8Nm
Rated RPM	25PRM
Running Noise	35-40dB
Color	Black
Mounting Type	Outside Mount (brackets included)



Image Description: A diagram illustrating the product parameters and dimensions of the Blindsmart roller blind motor, including its length, diameter, and the dimensions of the optional solar panel and remote control. Key specifications like input voltage, rated power, torque, and noise level are also listed.

Warranty and Support

This product comes with a manufacturer's warranty. For specific warranty details, please refer to the documentation included with your purchase or contact Blindsmart customer support. For technical assistance, troubleshooting, or further inquiries, please visit the official Blindsmart website or contact their customer service team.
Manufacturer: Blindsmart
Website: Blindsmart Store on Amazon

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

Open the live page

https://manuals.plus/asin/B09VSZTBYR

More documents and user manuals: **https://manuals.plus/**