

Blindsmart ZM25M

Blindsmart ZM25M Matter WiFi Smart Roller Shade Motor User Manual

Model: ZM25M

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Blindsmart ZM25M Matter WiFi Smart Roller Shade Motor. This motor is designed to automate roller blinds with 37-38mm diameter tubes, offering seamless integration with various smart home platforms.

The Blindsmart ZM25M motor is Matter-certified, ensuring compatibility with Apple HomeKit, Google Home, Alexa, and SmartThings. It features a powerful 2N torque motor capable of lifting up to 10kg of shade fabric. Control is available via a 9-channel remote, a smartphone app (Google Home, Alexa, or Apple Home apps), and voice commands.

Strong Load-Bearing

This motor can pull at least 10kg curtain fabric



Image 1.1: Overview of the Blindsma RT ZM25M Smart Roller Shade Motor.

2. SAFETY INFORMATION

- **Electrical Safety:** Installation requires wiring work. Ensure power is disconnected before installation. If you are unsure about electrical wiring, consult a qualified electrician.
- **Child Safety:** Keep remote controls and smart devices out of reach of children. Ensure that the blind operation does not pose a strangulation hazard to children or pets.
- **Operating Environment:** This motor is designed for indoor use only. Avoid exposure to moisture, extreme temperatures, or corrosive environments.
- **Load Capacity:** Do not exceed the motor's maximum load capacity of 10kg. Overloading can damage the motor and void the warranty.
- **Tube Compatibility:** Ensure your roller shade tube has a diameter of 37-38mm for proper fit and function.

3. PACKAGE CONTENTS

Verify that all components are present before proceeding with installation:

- Blindsmart ZM25M Smart Roller Shade Motor
- 9-Channel Remote Control
- Mounting Brackets and Screws
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

4.1 Physical Installation

1. **Prepare the Roller Shade:** Remove your existing manual roller shade from its brackets. Ensure the tube diameter is between 37mm and 38mm.
2. **Insert the Motor:** Carefully insert the Blindsmart ZM25M motor into one end of the roller shade tube. Ensure it fits snugly.
3. **Mount the Brackets:** Attach the provided mounting brackets to your window frame or wall, ensuring they are level and securely fastened.
4. **Mount the Shade:** Place the roller shade assembly with the motor into the mounted brackets.
5. **Wiring:** This motor requires direct wiring to a power supply (110V-240V). **Ensure power is OFF at the circuit breaker before proceeding.** Connect the motor's power wires to your electrical system according to local electrical codes. If you are not comfortable with electrical wiring, please consult a professional electrician.

APP Control

With the mobile app, you can control the opening and closing of curtains, and more



Image 4.1: Illustration of connecting the motor to a stable power supply.

4.2 Remote Control Pairing and Limit Setting

The 9-channel remote control allows for direct operation and setting of upper and lower limits for your shade.

1. **Power On:** Restore power to the motor. The motor may jog slightly to indicate it's powered.
2. **Pairing:** Refer to the specific instructions included with your 9-channel remote for pairing procedures. Typically, this involves a short press of a pairing button on the motor or a sequence of button presses on the remote.
3. **Set Upper Limit:** Use the UP/DOWN buttons on the remote to move the shade to your desired upper position. Press and hold the "SET" button (or equivalent) on the remote until the motor jogs, indicating the upper limit is saved.
4. **Set Lower Limit:** Use the UP/DOWN buttons to move the shade to your desired lower position. Press and hold the "SET" button (or equivalent) until the motor jogs, indicating the lower limit is saved.
5. **Test Limits:** Use the UP and DOWN buttons to ensure the shade stops correctly at the set limits.

Suitable for various curtains

This product is suitable for roller blinds, Shangri La blinds, and flexible yarn blinds with aluminum tube mouth diameter of 24mm. The curtains that require manual control can be immediately upgraded to smart curtains.



Image 4.2: The 9-channel remote control, used for setting limits and basic operation.

4.3 Smart Home Integration (Matter, Wi-Fi, App Control)

The ZM25M motor requires a 2.4GHz Wi-Fi network and a Matter Controller (e.g., Apple HomePod mini, Google Nest Hub, Amazon Echo devices with Matter support) for smart home integration.

1. **Ensure Matter Controller is Active:** Verify your Matter-compatible smart home hub is powered on and connected to your 2.4GHz Wi-Fi network.
2. **Add Device to App:** Open your preferred smart home app (Apple Home, Google Home, or Alexa app). Follow the app's instructions to add a new Matter device. You will typically scan a QR code or enter a pairing code found on the motor or its packaging.
3. **Configure Device:** Once added, you can name your shade, assign it to a room, and configure schedules or routines within the app.

Remote Control

It can be glued to the wall, and it can be controlled by taking it off

*Limits can only be set using the remote control



Image 4.3: Example of app control interface for smart curtains.

5. OPERATING INSTRUCTIONS

5.1 Remote Control Operation

- **UP Button:** Raises the roller shade to the upper limit.
- **DOWN Button:** Lowers the roller shade to the lower limit.
- **STOP Button:** Stops the roller shade at its current position.
- **Channel Selection:** Use the channel buttons (if applicable) to select which shade to control if you have multiple motors paired to one remote.

5.2 App Control Operation

Once the motor is integrated with your smart home app (Apple Home, Google Home, or Alexa), you can:

- Open or close the shades completely.
- Adjust the shade to a specific percentage (e.g., 50% open).

- Create schedules for automatic opening and closing at specific times.
- Include the shades in smart home routines or scenes.

5.3 Voice Control Operation

With your Matter controller and smart home app configured, you can use voice commands:

- "Hey Google, open the living room blinds."
- "Alexa, close the bedroom shade."
- "Siri, set the kitchen blinds to 75%."
- "Hey Google, stop the blinds."

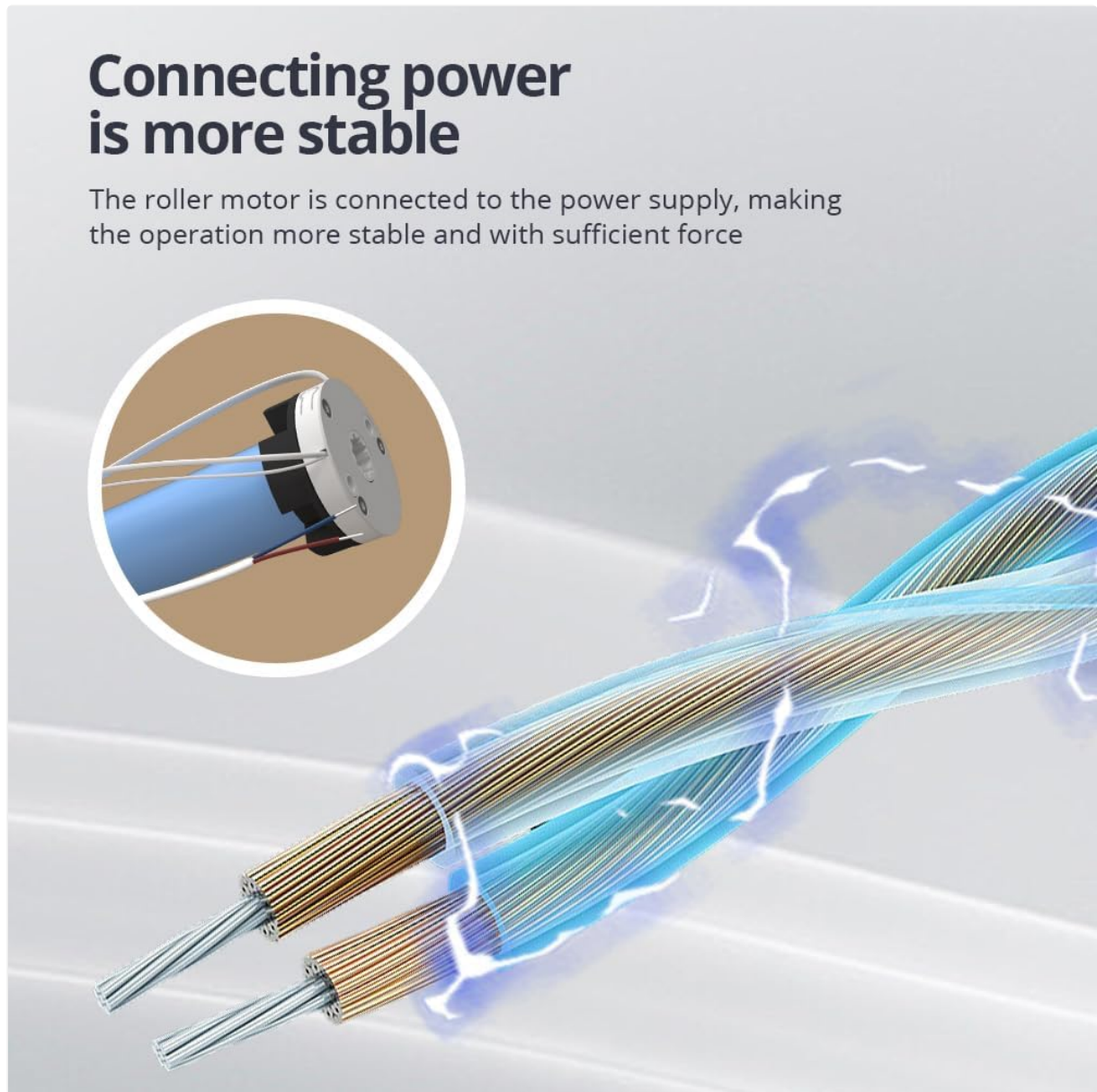


Image 5.1: Example of voice control for smart blinds using a smart speaker.

6. MAINTENANCE

- **Cleaning:** Wipe the motor and remote control with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Battery Replacement (Remote):** If the remote control's performance degrades, replace its batteries according to the remote's specific instructions.

- **Firmware Updates:** Periodically check your smart home app for available firmware updates for the motor to ensure optimal performance and security.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Motor does not respond to remote.	Remote batteries are low or dead. Motor not paired. Power supply issue.	Replace remote batteries. Re-pair remote with motor. Check power connection to motor.
Motor does not respond to app/voice control.	Wi-Fi disconnected. Matter controller offline. Motor not added to app.	Check Wi-Fi connection. Ensure Matter controller is online. Re-add motor to smart home app.
Shade stops at incorrect positions.	Upper/lower limits are incorrectly set.	Reset and re-program the upper and lower limits using the remote control (refer to Section 4.2).
Motor makes unusual noise or struggles.	Obstruction in shade path. Overload. Motor malfunction.	Check for obstructions. Ensure shade weight is within 10kg limit. Contact support if issue persists.

8. SPECIFICATIONS

Model Number	ZM25M
Brand	Blindsmart
Material	Plastic
Product Dimensions (L x W)	14.05" x 1.44"
Compatible Tube Diameter	37-38mm (1.45 inch)
Torque	2N
Max Load Capacity	10kg
Operation Mode	Automatic
Control Type	Motorized (App & Voice Control), Remote Control
Connectivity	2.4GHz Wi-Fi, Matter-certified
Compatible Smart Home Platforms	Apple HomeKit, Google Home, Amazon Alexa, SmartThings
Power Requirement	110V-240V (Requires Wiring Work)
Recommended Uses	Indoor, Window

Voice Control

Smart settings, say goodbye to manual troubles
supporting Google, Siri, Alexa

"Google, close the curtains"

"OK"



Image 8.1: The motor's robust design for handling up to 10kg of curtain fabric.

Quiet and Low Noise, No Disturbance

With high-quality DC motor technology, it operates at just 27 dB, ensuring a peaceful and undisturbed environment.



Image 8.2: The motor is suitable for various roller blind types, including flexible yarn blinds.

9. WARRANTY AND SUPPORT

Blindsmart products typically come with a limited manufacturer's warranty. Please refer to the warranty card included with your product or visit the official Blindsmart website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact Blindsmart customer service through the retailer where you purchased the product or visit the Blindsmart support page online.

Online Support: [Blindsmart Store on Amazon](#)