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Blindsmart B0DNJHBMQS

Blindsmart Matter WiFi Roller Blinds Motor User Manual

Model: B0DNJHBMQS

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Blindsmart Matter WiFi Roller Blinds Motor. This plug-in motorized smart blinds motor is designed for 17mm, 25mm, and 28mm tubes, offering seamless integration with smart home ecosystems such as Apple Home, Alexa, Google Home, and SmartThings. It supports control via app, voice commands, and an optional 1-channel remote control.

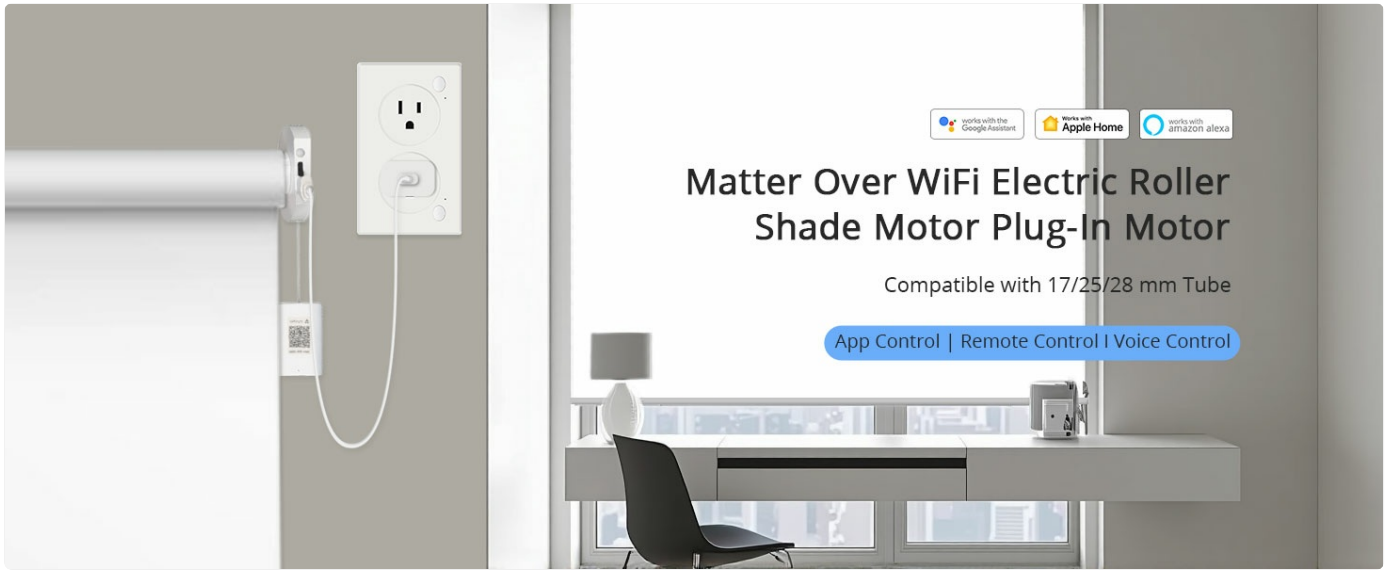


Image: The Blindsmart Matter WiFi Roller Blinds Motor, highlighting its plug-in design and compatibility with app, remote, and voice control.

2. Safety Information

- Read all instructions carefully before installation and use.
- Keep the device away from water and high humidity environments.
- Do not attempt to disassemble or repair the motor yourself. Contact customer support for assistance.
- Ensure the power supply is disconnected before performing any installation or maintenance.
- This device is designed for indoor use only.
- Keep children and pets away from moving blinds.

3. Package Contents

Verify that all components are present in the package:

- Roller Blinds Motor
- End Cap
- Brackets
- User Manual (this document)
- Remote (1-Channel, included with this variant)

4. Setup and Installation

4.1 Compatibility

The Blindsmart Matter WiFi Roller Blinds Motor is compatible with roller shade tubes of 17mm, 25mm, and 28mm diameters. It can handle shades weighing up to 2 kg. This motor is suitable for various curtain types including roller blinds, Roman shades, sheer horizontals, and woven wood shades.



Image: Visual representation of the motor's compatibility with 17mm, 25mm, and 28mm curtain-rolling pipelines.

4.2 Installation Steps

Follow these steps to install the motor into your roller blinds:

1. **Remove one end of the roller shutter:** Carefully remove one end of your existing roller blind to expose the internal tube.
2. **Insert the roller motor:** Insert the Blindsmart roller motor into the exposed tube. Ensure it fits snugly.
3. **Reinstall and power:** Reinstall the previously removed part of the roller blind assembly. Plug the motor's USB power cable into a suitable power supply.

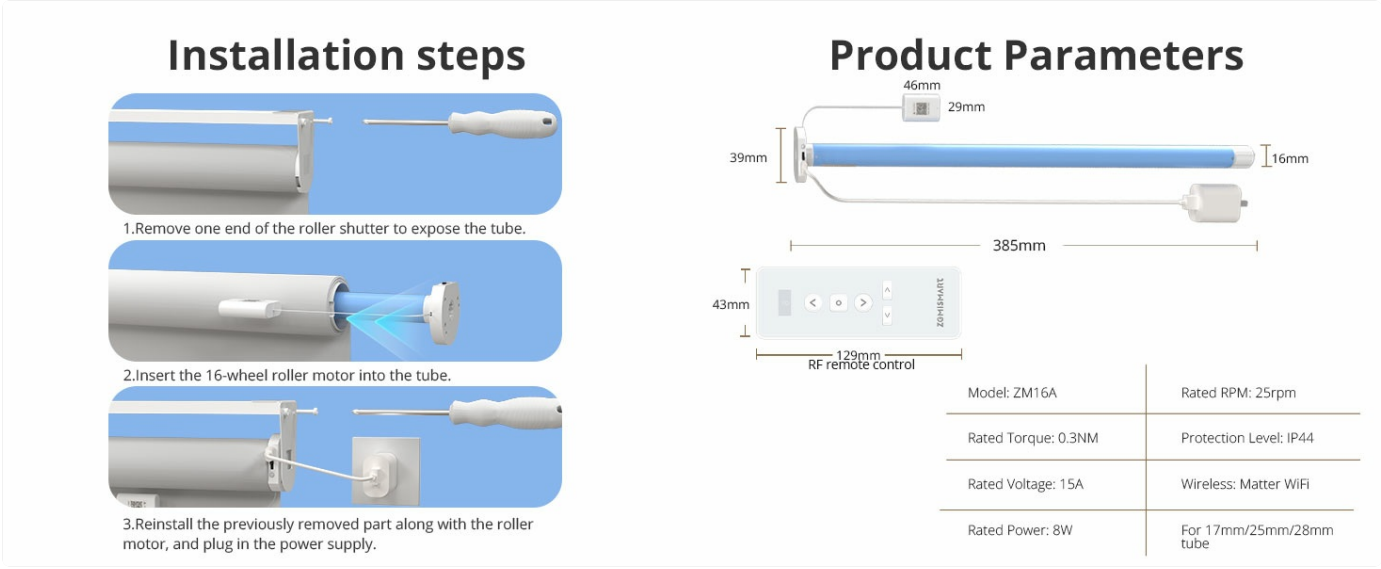


Image: A three-step visual guide demonstrating how to install the motor into a roller blind tube.

4.3 Connecting the Remote Control

The remote control is essential for setting the upper and lower limits of your blinds. At least one remote is required for initial setup.

1. **Select Channel:** On the remote, choose a channel to connect with the motor using the "<" or ">" buttons.
2. **Press Motor's Set Key:** Press the motor's "Set" key once. The motor will emit a "Di" sound.
3. **Confirm Connection:** Press the "Up/Open" key on the remote once within 5 seconds. The motor will emit another "Di" sound, indicating successful connection.

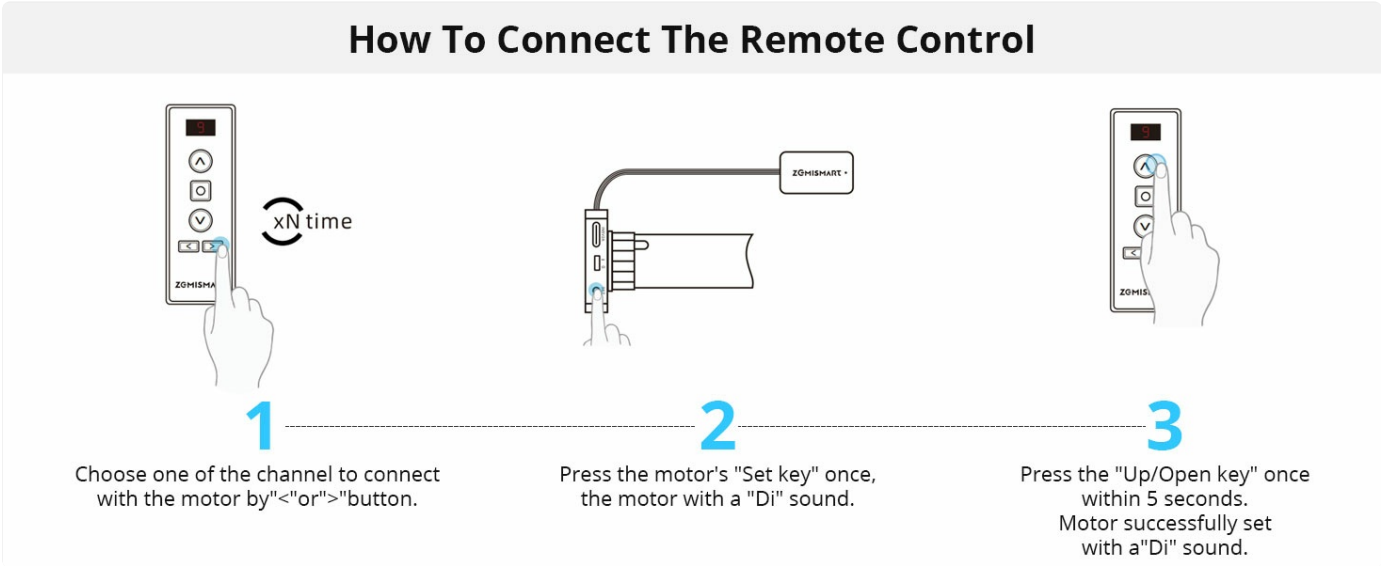


Image: A three-step visual guide for pairing the remote control with the roller blinds motor.

4.4 Connecting to the App (Matter Integration)

The motor features a built-in Wi-Fi module for quick setup. It connects directly to your home's 2.4GHz Wi-Fi network.

1. **Reset Motor:** Press the motor's "SET" button 3 times. The motor will emit a "Di" sound, indicating it has entered network configuration state.
2. **Enable Wi-Fi:** Ensure Wi-Fi is turned on on your smartphone.
3. **Scan QR Code:** Open your preferred Matter-compatible smart home app (e.g., Apple Home, Google Home, SmartThings) and scan the Matter QR code located on the motor.
4. **Follow In-App Instructions:** Complete the pairing process by following the prompts within your smart home app.

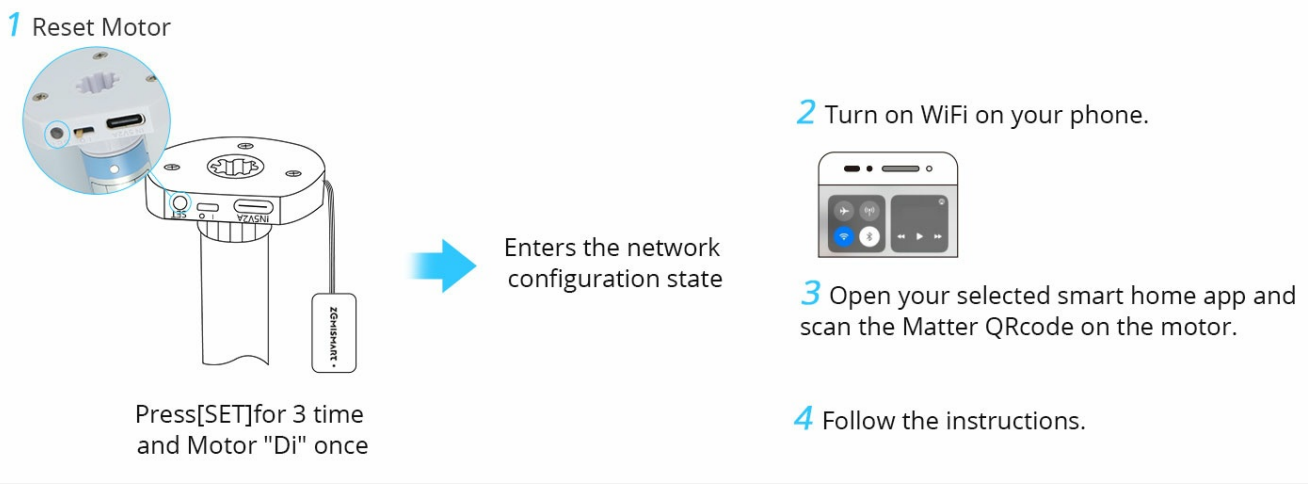


Image: A four-step visual guide for connecting the motor to a smart home application using the Matter QR code.

5. Operating Instructions

5.1 Smart Home Integration (Matter)

The Blindsmart motor is Matter-enabled, allowing for seamless integration and control across various smart home platforms. It is compatible with Apple Home, Alexa, Google Home, and SmartThings. For advanced integration and optimal connectivity, a Matter-certified controller such as Apple HomePod (2nd Gen), Google Nest Hub (2nd Gen), or SmartThings Hub v3 is required.



Image: The Matter protocol logo demonstrating compatibility with Google Home, Apple Home, and Alexa smart home ecosystems.

5.2 App Control

Control your roller blinds directly from your smartphone using the compatible smart home app. You can open, close, or adjust the position of your blinds remotely.

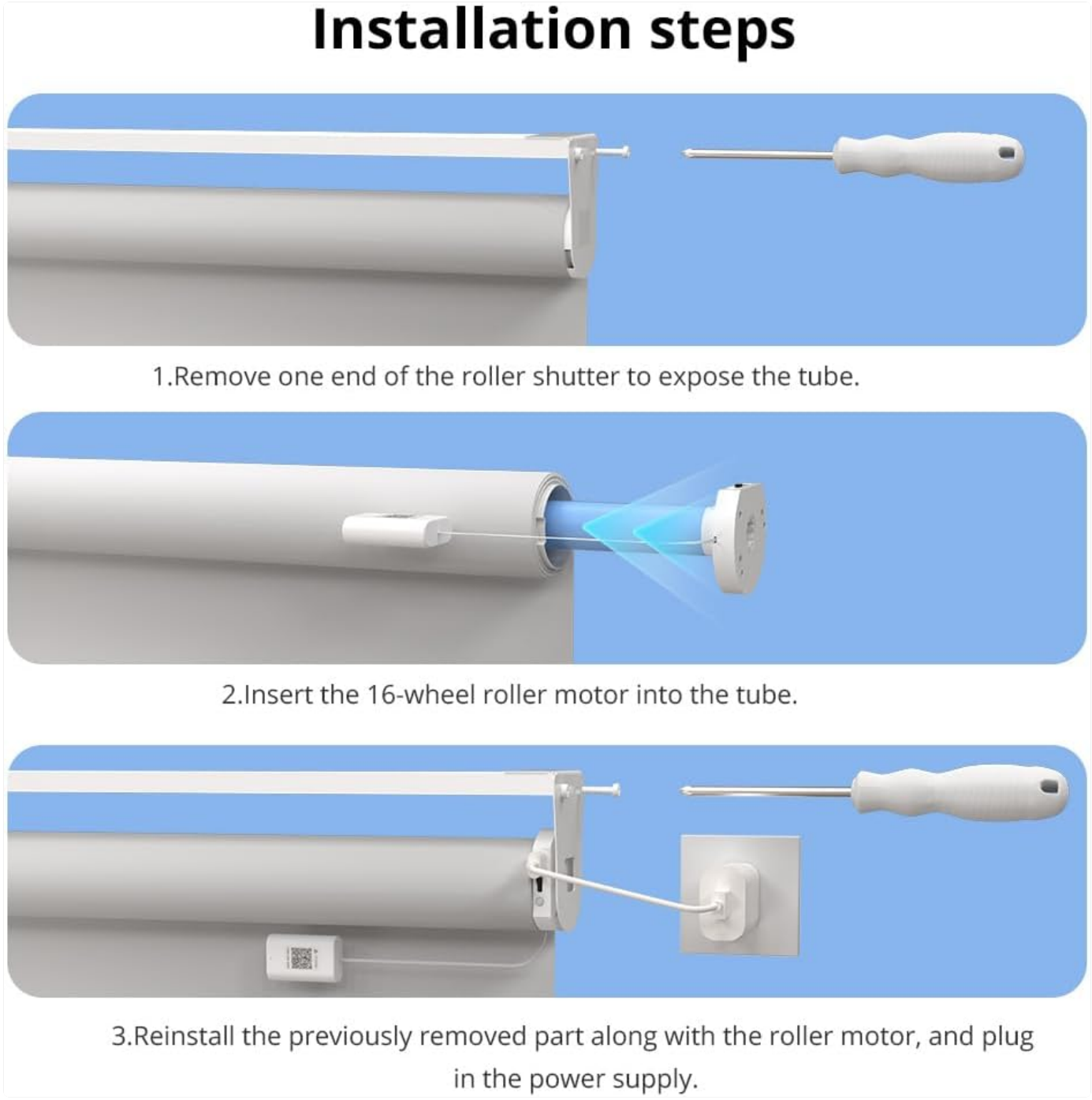


Image: A smartphone displaying an application interface used to control the opening and closing of curtains.

5.3 Voice Control

Integrate your motor with voice assistants like Google Assistant, Siri, and Alexa for hands-free control. Simply use voice commands to operate your blinds.
Example: "Hey Google, close the curtains."

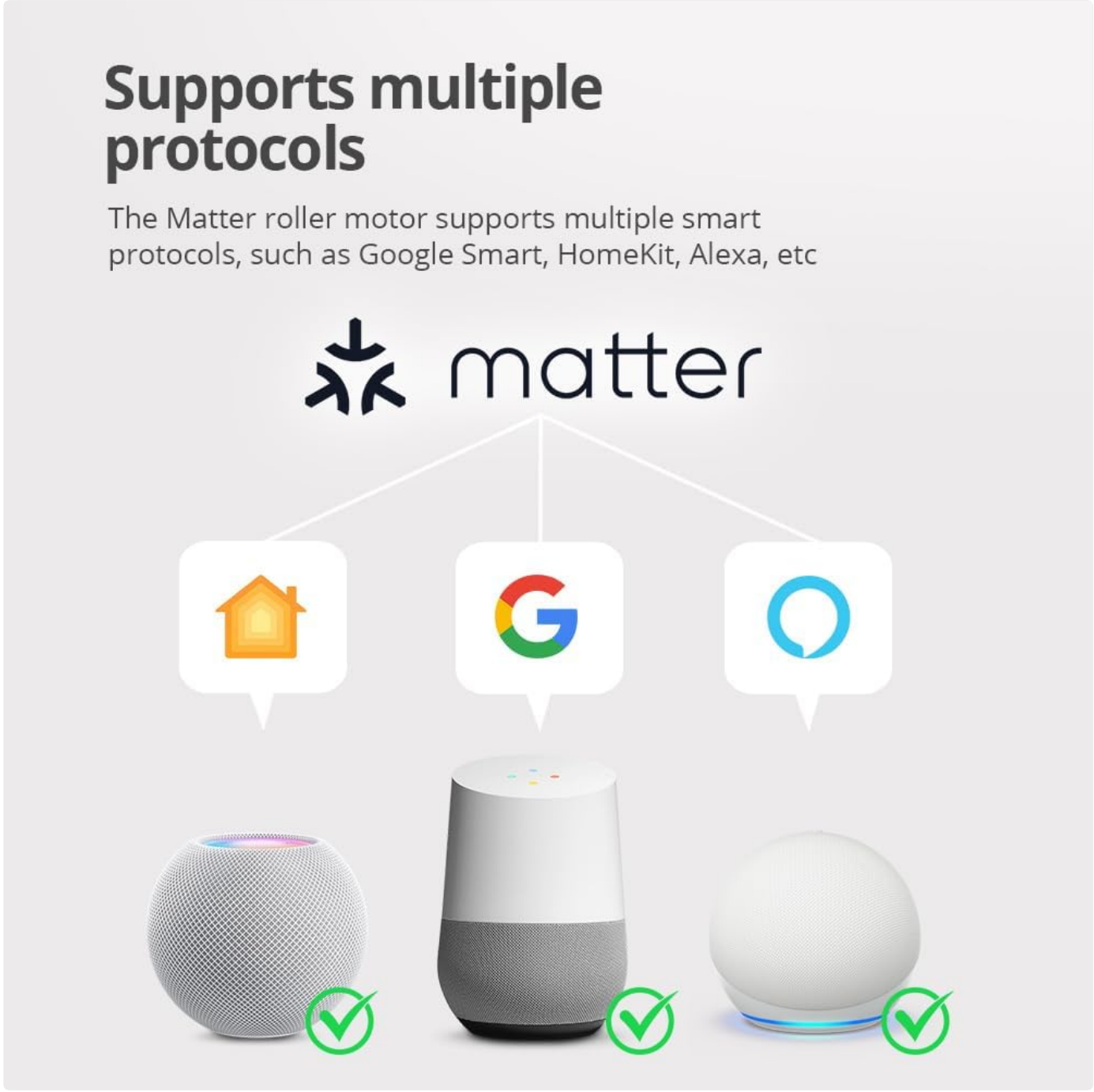


Image: A Google Home speaker on a table, illustrating voice control functionality for smart curtains.

5.4 Remote Control

Use the included 1-channel remote control to manually operate your blinds. The remote allows you to open, close, stop, and fine-tune the position of the blinds. Remember that the remote is necessary for setting the upper and lower limits.



Image: A remote control device used to operate roller blinds, showing buttons for up, down, stop, and limit adjustments.

5.5 Timing Control

Set schedules within your smart home app to automatically open or close your blinds at specific times, enhancing convenience and energy efficiency.

- **7:30 AM:** Automatically open blinds halfway to allow natural light.
- **8:30 AM:** Close blinds partially to prevent direct sunlight.
- **6:30 PM:** Open blinds for air circulation.
- **10:30 PM:** Close blinds for privacy.

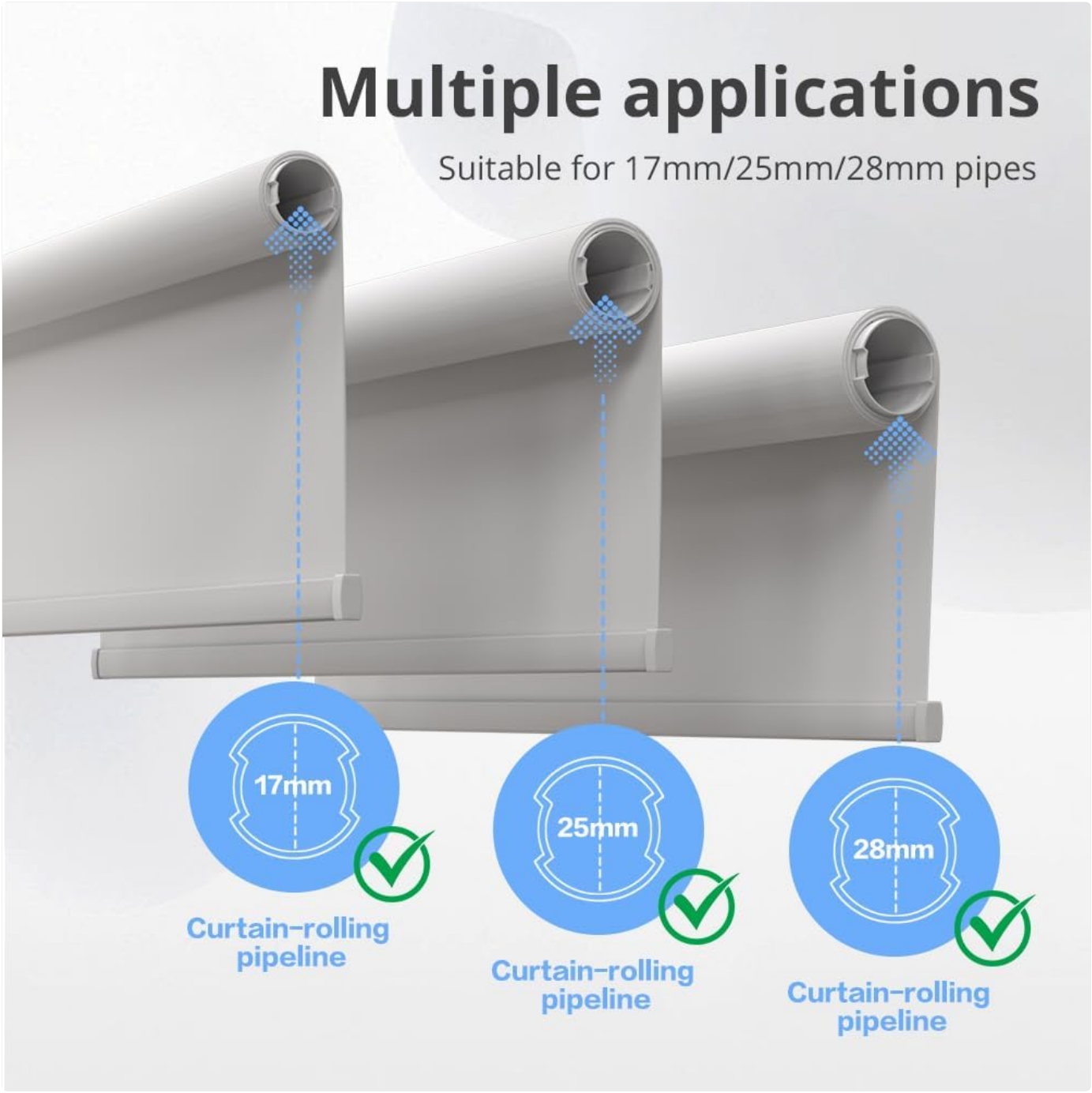


Image: A visual display of various timing control scenarios for automated curtain operation throughout the day.

6. Maintenance

- Keep the motor and remote control clean and free from dust. Use a soft, dry cloth for cleaning.
- Do not use liquid cleaners or abrasive materials.
- Regularly check the power cable for any signs of damage.
- Ensure the blinds operate smoothly without obstruction to prevent strain on the motor.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Motor does not respond to remote/app.	No power; Remote not paired; Wi-Fi disconnected; Motor reset needed.	Check power connection; Re-pair remote (Section 4.3); Check 2.4GHz Wi-Fi connection; Perform motor reset (Section 4.4).
Blinds do not move to desired limits.	Limits not set; Obstruction.	Use the remote to set upper and lower limits; Check for any physical obstructions.
Difficulty connecting to smart home app.	Incorrect Wi-Fi band; Matter controller not present/compatible.	Ensure your router is broadcasting a 2.4GHz Wi-Fi signal; Verify you have a Matter-certified controller (e.g., HomePod 2nd Gen, Nest Hub 2nd Gen, SmartThings Hub v3).
Motor is noisy during operation.	Obstruction; Incorrect installation.	Check for obstructions in the blind mechanism; Re-verify installation steps to ensure proper fit.

8. Specifications

Feature	Detail
Model	ZM16A
Rated RPM	25 rpm
Rated Torque	0.3 NM
Protection Level	IP44
Rated Voltage	1.5 A
Rated Power	8 W
Wireless Connectivity	Matter WiFi (2.4GHz)
Tube Compatibility	17mm / 25mm / 28mm
Maximum Shade Weight	2 kg
Included Components	Motor, End Cap, Brackets, User Manual, Remote (Optional)



Image: The Blindsmart Matter WiFi Roller Blinds Motor installed in a tube, emphasizing its quiet operation at just 27 dB.

9. Warranty Information

Blindsmart products are covered by a limited warranty against manufacturing defects. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Blindsmart website. Keep your purchase receipt as proof of purchase for warranty claims.

10. Customer Support

If you encounter any issues or have questions regarding your Blindsmart Matter WiFi Roller Blinds Motor, please contact our customer support team. Contact information can be found on the Blindsmart official website or on your product packaging.
For additional resources and FAQs, please visit the 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.

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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.

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