**Blindsmart BSDJ-ZM25TQ-2/25**

# Blindsmart Tuya 2N Zigbee Smart Blinds Motor User Manual

Model: BSDJ-ZM25TQ-2/25

## 1. Important Safety Information

Please read all instructions carefully before installation and operation. Failure to follow these instructions may result in product damage, property damage, or personal injury.

- This motor is designed for indoor use only.
- Ensure the power supply is disconnected before installation or maintenance.
- Do not allow children to operate the motor or remote control.
- Keep hands and loose clothing clear of the blinds during operation.
- Only use accessories and parts specified by Blindsmart.
- A Tuya Zigbee 3.0 Hub Gateway is required for smart functionality.

## 2. Package Contents

Verify that all components are present in the package:

- Blindsmart Tuya 2N Zigbee Smart Blinds Motor
- Mounting Accessories (brackets, end caps)
- Power Cable
- Remote Control (optional, depending on purchase variant)



Image 1: Blindsmart Tuya 2N Zigbee Smart Blinds Motor with included mounting accessories.

## 3. Product Overview

The Blindsmart Tuya 2N Zigbee Smart Blinds Motor is designed to motorize existing roller blinds with 36mm, 37mm, or 38mm diameter tubes. It integrates with the Tuya/Smart Life app for smart control, including voice commands via Alexa and Google Assistant, and supports timing schedules. The motor is capable of handling shade fabric weighing up to 10kg.

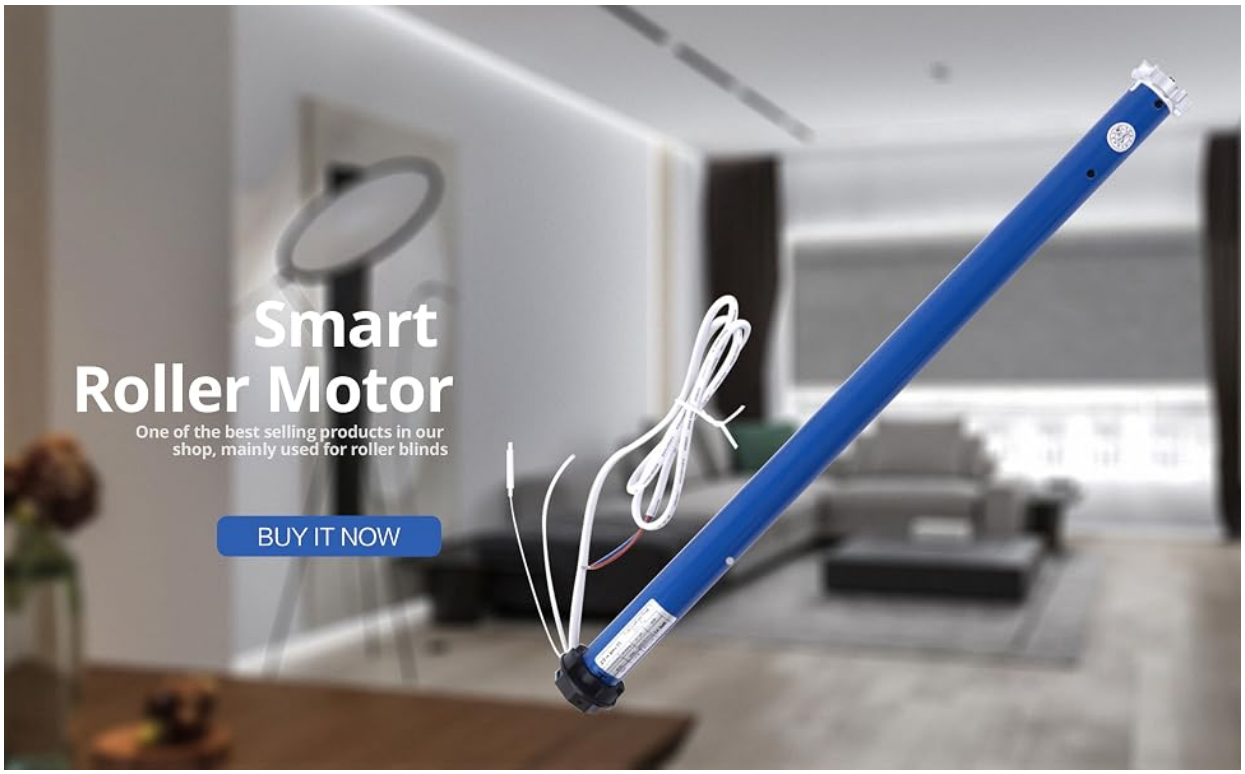



Image 2: Overview of the smart motor's capabilities, including app, voice, and remote control, 10kg load capacity, and timing functions.

## 4. Specifications

| Feature | Specification |
|---|---|
| Model Number | BSDJ-ZM25TQ-2/25 |
| Product Dimensions | 17.72"L x 1.57"W (450mm L x 40mm W) |
| Tube Compatibility | 36mm, 37mm, 38mm diameter tubes |
| Input Voltage | 100-240VAC |
| Rated Power | 30W |
| Rated Frequency | 50/60Hz |
| Rated Current | 0.13A |
| Torque | 2Nm |
| Rated RPM | 25PRM |
| Load-bearing Capacity | Up to 10kg |
| Control Type | Motorized, App Control (Tuya/Smart Life), Voice Control (Alexa/Google Assistant), Remote Control (optional) |
| Connectivity | Zigbee 3.0 (requires Tuya Zigbee Hub) |

| | |
|---|---|
| Material | Aluminium (motor body) |

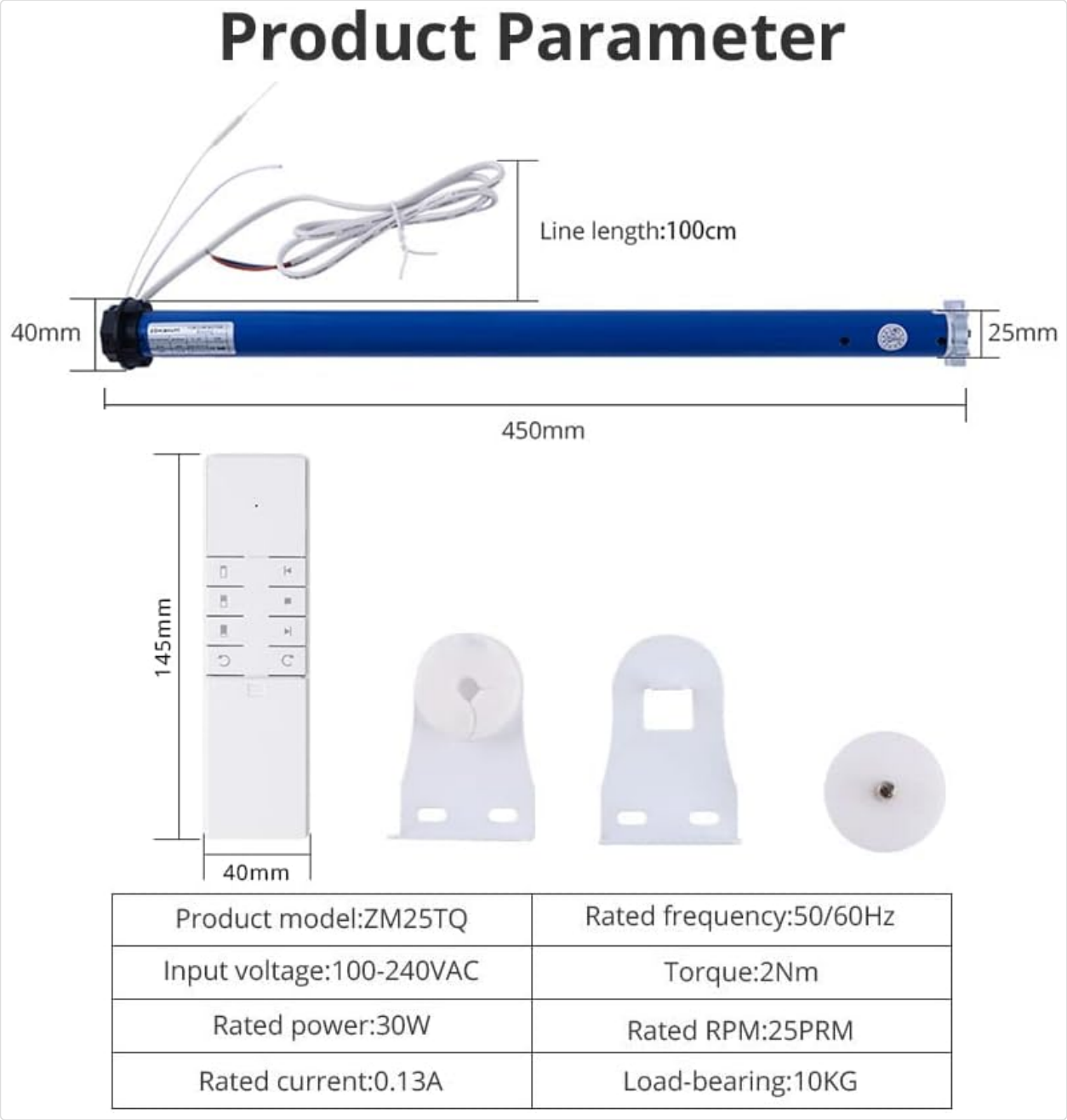



Image 3: Detailed product parameters and dimensions.

## 5. Setup and Installation

### 5.1 Pre-installation Checks

- **Tube Compatibility:** Ensure your roller blind tube has an inner diameter of 36mm, 37mm, or 38mm.
- **Zigbee Hub:** A Tuya Zigbee 3.0 Hub Gateway is essential for the smart features of this motor. Ensure you have one set up and connected to your network.
- **Power Supply:** Confirm a 100-240V AC power outlet is available near the installation area.




Image 4: Guide for measuring your roller blind tube to ensure compatibility with the motor.

### 5.2 Motor Installation

1. Remove your existing roller blind from its brackets.
2. Insert the Blindsmart motor into the roller blind tube. Ensure it fits snugly. The motor is designed to fit 36-38mm tubes.
3. Attach the appropriate mounting brackets to your window frame or wall. The motor supports both inside and outside mount configurations.
4. Secure the roller blind tube with the motor into the installed brackets.
5. Connect the motor's power cable to a suitable power outlet.



Image 5: Motor end designed for 38mm tube and resetting key.

## 6. Operating Instructions

### 6.1 Pairing with Tuya Zigbee Hub

1. Ensure your Tuya Zigbee Hub is powered on and connected to your home network.
2. Open the Tuya Smart or Smart Life app on your smartphone.
3. Follow the app's instructions to add a new device. Select 'Blinds Motor' or a similar category.
4. The app will guide you through the pairing process, which typically involves putting the motor into pairing mode (refer to the motor's specific pairing instructions, usually a button press on the motor or remote).

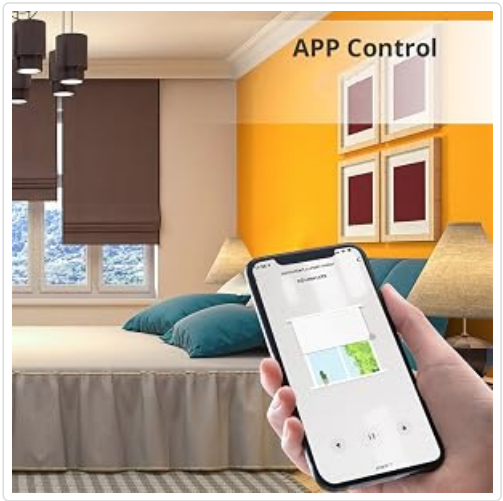



Image 6: Connection diagram for smart control.

### 6.2 App Control

Once paired, you can control your blinds directly from the Tuya Smart or Smart Life app:

- Open/Close: Tap the respective buttons to fully open or close the blinds.
- Percentage Control: Adjust the blinds to a specific open/close percentage.
- Set Schedules: Create automated schedules for opening and closing your blinds at specific times (e.g., 7:00 AM open, 10:00 PM close).

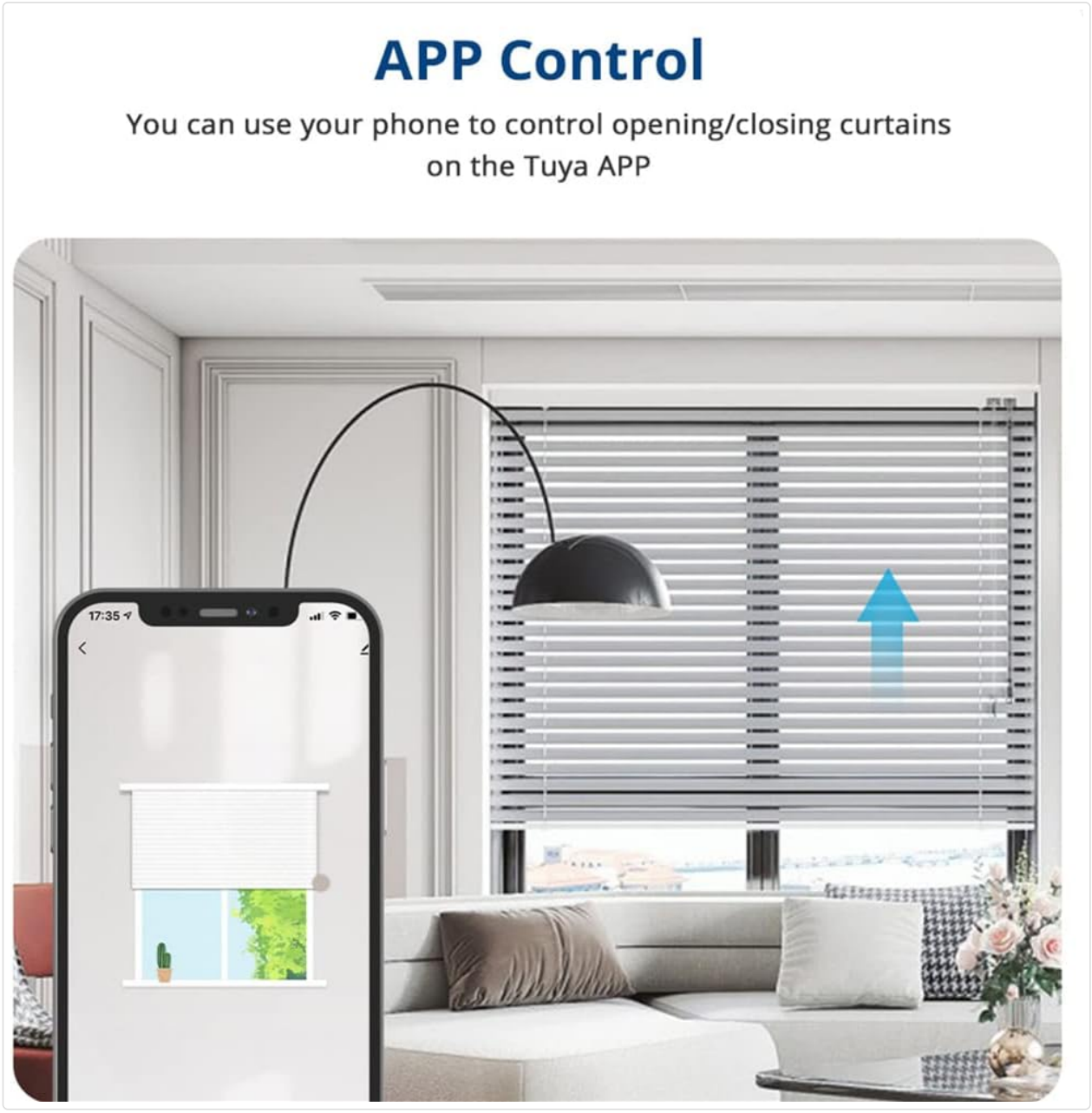



Image 7: App interface for controlling blinds.

### 6.3 Voice Control (Alexa/Google Assistant)

After linking your Tuya/Smart Life account to Alexa or Google Home, you can use voice commands:

- "Alexa, open the blinds."
- "Hey Google, close the bedroom shades."
- "Alexa, set the blinds to 50%."

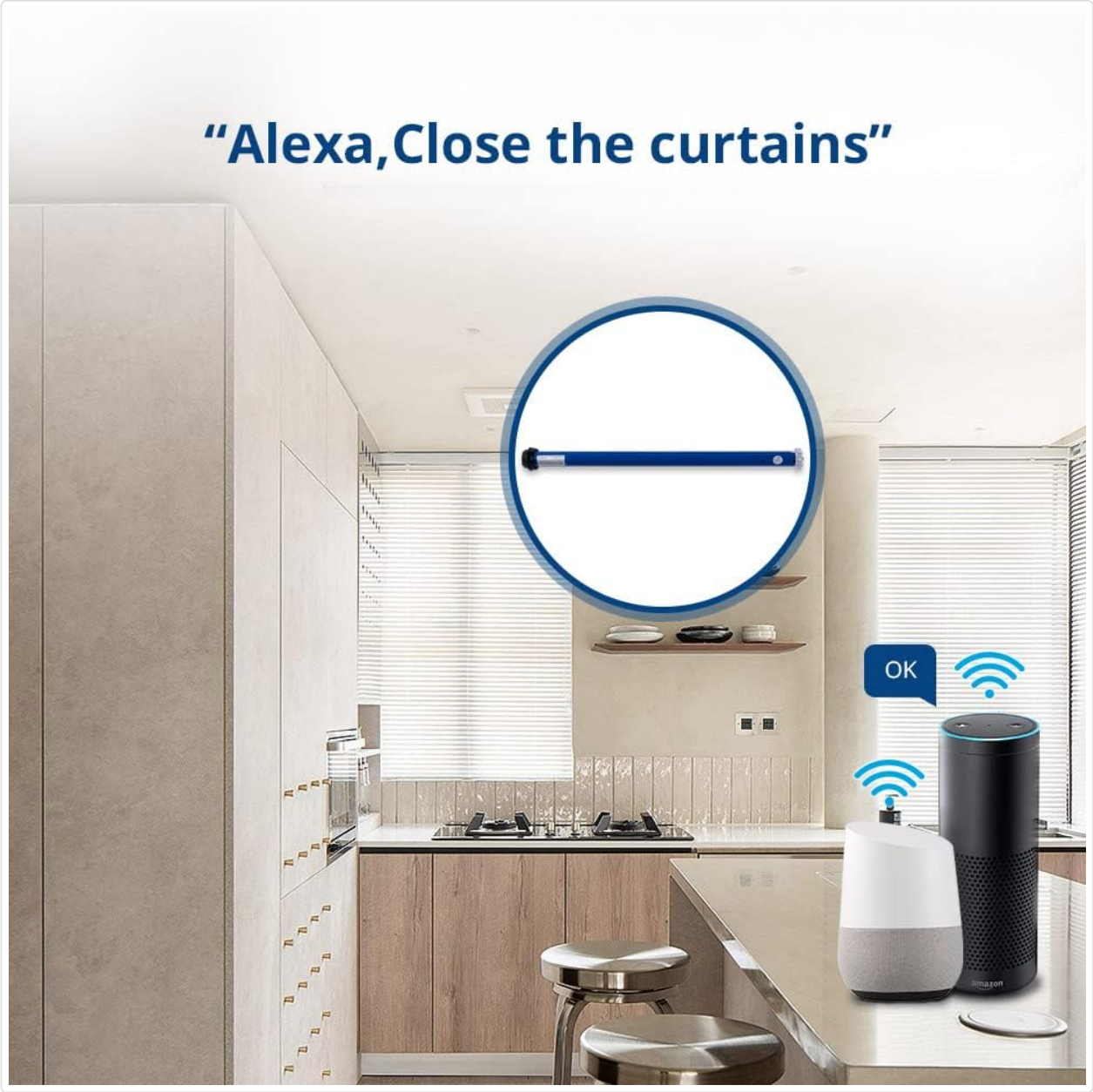



Image 8: Voice control integration with smart assistants.

### 6.4 Remote Control (Optional)

If your purchase included a remote control, you can use it for direct operation:

- Up/Open Button: Moves the blinds upwards.
- Down/Close Button: Moves the blinds downwards.
- Stop Button: Halts the blinds at their current position.
- Position Buttons (20%, 50%, 70%): Moves the blinds to preset positions.
- Setting Button: Used for pairing and setting limits (refer to remote's specific instructions).

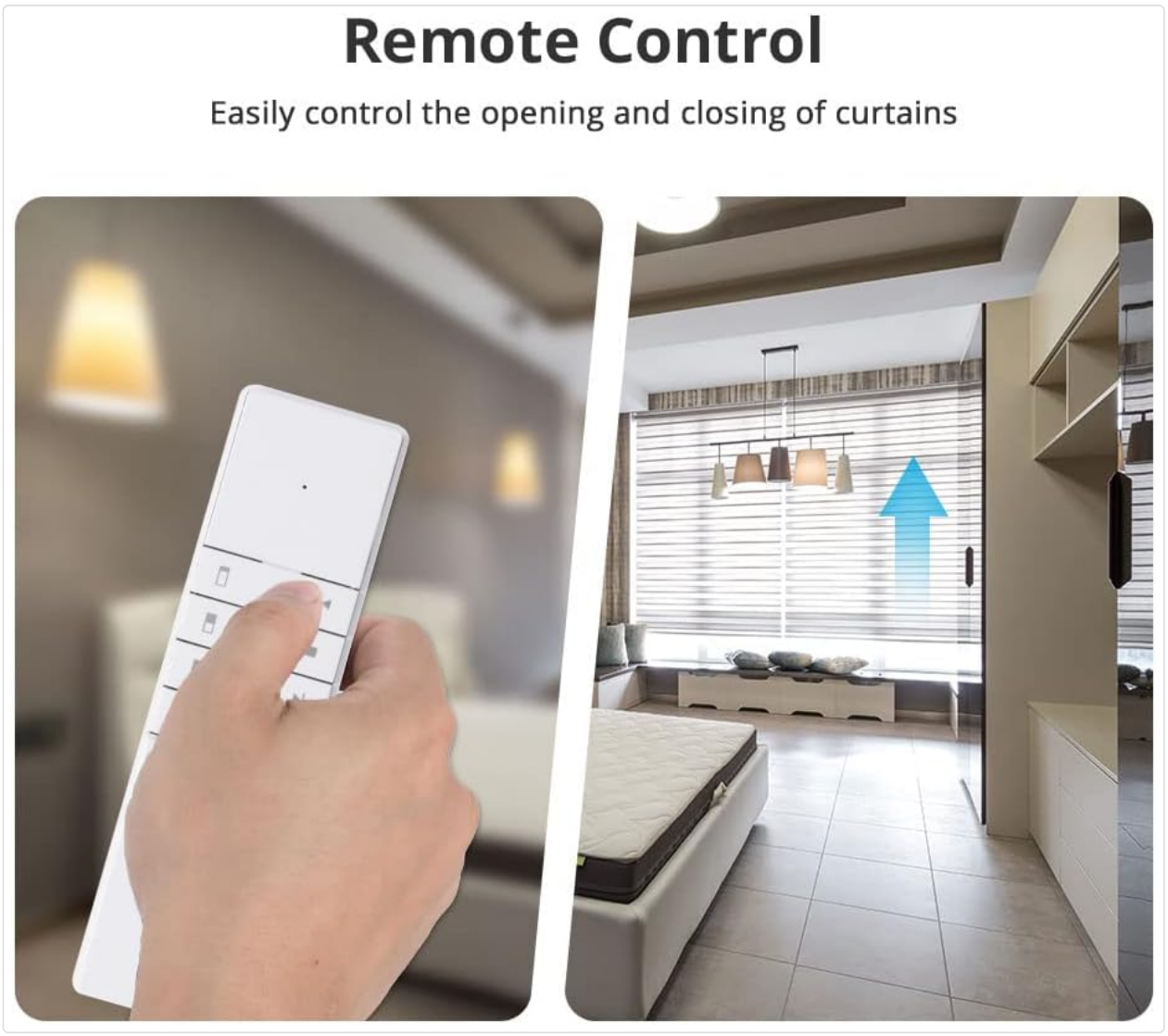



Image 9: Remote control for manual operation.




Image 10: Remote control button instructions.

### 6.5 Setting Limits

The motor allows you to set upper and lower limits for the blinds' travel. This is typically done via the remote control or the Tuya/Smart Life app. Refer to the specific instructions provided with your remote or within the app for detailed steps on setting these limits.

### 6.6 Timing Control

Utilize the Tuya Smart or Smart Life app to set up automated schedules for your blinds. This feature allows you to program specific times for the blinds to open or close, enhancing convenience and energy efficiency.

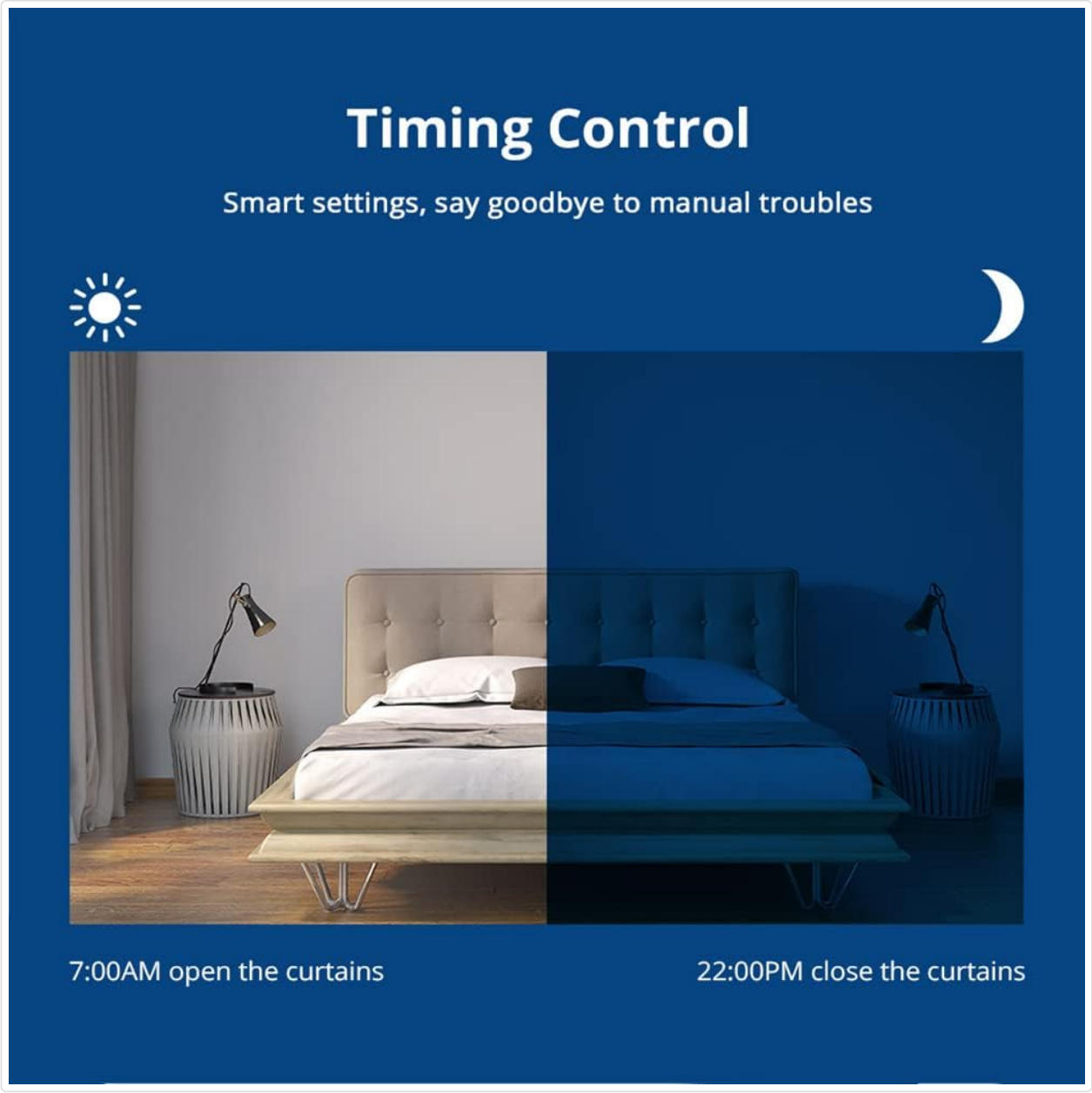



Image 11: Example of timing control for blinds.

## 7. Maintenance

The Blindsmart motor requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to wipe the motor and exposed parts. Do not use abrasive cleaners or immerse the motor in water.
- **Inspection:** Periodically check the power cable for any signs of damage. Ensure the blinds operate smoothly without obstruction.
- **Product Care:** Spot clean only.

## 8. Troubleshooting

| Problem | Possible Cause | Solution |
| --- | --- | --- |

| | | |
|---|---|---|
| Motor not responding | No power; Remote battery low; Not paired; Zigbee hub offline | Check power connection; Replace remote battery; Re-pair motor with app/remote; Check Zigbee hub status. |
| Blinds not moving smoothly | Obstruction; Incorrect limits set; Tube not properly seated | Check for obstructions; Re-set upper/lower limits; Ensure motor and tube are correctly installed in brackets. |
| Voice control not working | Tuya/Smart Life account not linked to Alexa/Google Home; Zigbee hub offline; Incorrect device name | Link accounts in the respective smart assistant app; Check Zigbee hub status; Verify device name in Tuya app and smart assistant app. |
| Motor makes unusual noise | Internal issue; Obstruction | Disconnect power and check for obstructions. If noise persists, contact customer support. |

## 9. Warranty and Support

Blindsmart products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official Blindsmart website. If you encounter any issues or require technical assistance, please contact Blindsmart customer support through the retailer where the product was purchased or via the contact information provided on the Blindsmart official website.

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