

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Rollerhouse](#) /

› [Rollerhouse ZigBee Smart Motor AM35-6/18-ES-E-Z for 2" Shade Tube - Instruction Manual](#)

Rollerhouse AM35-6/18-ES-E-Z

Rollerhouse ZigBee Smart Motor for 2" Shade Tube

Model: **AM35-6/18-ES-E-Z**

Instruction Manual

1. INTRODUCTION

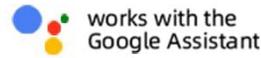
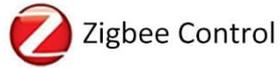
Thank you for choosing the Rollerhouse ZigBee Smart Motor. This motor is designed to automate your 2-inch (50mm) roller shades, integrating seamlessly with popular smart home systems like Amazon Alexa, Google Home, and the Tuya Smart Life App via a ZigBee 3.0 hub (sold separately). This manual provides detailed instructions for installation, setup, operation, and maintenance to ensure optimal performance and longevity of your device.

Please read this manual thoroughly before installation and operation. Keep it for future reference.

2. PRODUCT FEATURES

- **Smart Home Compatibility:** Seamlessly connects with Alexa, Google Home, and Tuya Smart Life App for voice control and scheduling via ZigBee 3.0 protocol (hub required, sold separately).
- **Universal 2" Tube Fit:** Designed for 50mm (2-inch) roller shade tubes, ideal for DIY smart blinds upgrades.
- **Powerful & Quiet Operation:** High torque (6N·m) motor supports shades up to 30 lbs (14 kg) with ultra-smooth and low-noise operation.
- **Easy Installation:** No complex wiring needed; includes 50mm rubber drive fittings. Works with most standard roller blinds (verify tube size before purchase).
- **Group Control & Automation:** Create custom scenes (e.g., "Good Morning" tilt) or group multiple motors for synchronized shade control via the Tuya/ZigBee hub.
- **Long-Lasting Battery:** Powered by a rechargeable battery with a low-power design, lasting 3-5 months depending on usage.

3. SPECIFICATIONS



Tuya Zigbee Battery Motor

Model No:	AM35-6/18-ES-E-Z	Working time:	5min
Charging Voltage:	DC 5V	Receive Frequency:	433.92MHz
Rated Power:	44.4W	IP Class:	IP44
Rated RPM:	18rpm	Insulation level:	CLASS F
Rated Torque:	6Nm		

Image 3.1: Motor dimensions and key specifications.

Motor Specifications Packaging & Accessories



Model No:	AM35-6/18-ES-E-Z	Working time:	5min
Charging Voltage:	DC 5V	Receive Frequency:	433.92MHz
Rated Power:	44.4W	IP Class:	IP44
Rated RPM:	18rpm	Insulation level:	CLASS F
Rated Torque:	6Nm	Packing:	1.Plug-in Wired Motor 2. Remote 3. Crown adapter

Image 3.2: Motor specifications, packaging, and accessories.

Parameter	Value
Model No.	AM35-6/18-ES-E-Z
Charging Voltage	DC 5V
Rated Power	44.4W
Rated RPM	18rpm
Rated Torque	6Nm
Working Time	5min
Receive Frequency	433.92MHz
IP Class	IP44

Parameter	Value
Insulation Level	CLASS F
Material	Metal, Plastic
Product Dimensions	17"L x 4"W (Motor length: 23.7"/602mm, Diameter: 1.4"/35mm)
Item Weight	1.64 Pounds

4. PACKAGE CONTENTS

Verify that all components are present in the package:

- ZigBee Smart Motor (AM35-6/18-ES-E-Z)
- Battery Tube/Wand
- Removable End Caps
- Battery Wand Clips
- Crown Adapter (for 2"/50mm tube)
- Remote Control (may vary by package)
- USB Charging Cable

Motor Specifications Packaging & Accessories



Model No:	AM35-6/18-ES-E-Z	Working time:	5min
Charging Voltage:	DC 5V	Receive Frequency:	433.92MHz
Rated Power:	44.4W	IP Class:	IP44
Rated RPM:	18rpm	Insulation level:	CLASS F
Rated Torque:	6Nm	Packing:	1.Plug-in Wired Motor 2. Remote 3. Crown adapter

Image 4.1: Typical package contents for the motor system.

5. INSTALLATION GUIDE

5.1. Measure Your Shade Tube

Ensure your roller shade tube has an outer diameter (OD) of 2 inches (50mm) for proper fitment of the motor and crown adapter.

Universal 2" Tube Fit

Designed for 50mm (2-inch) roller shade tubes

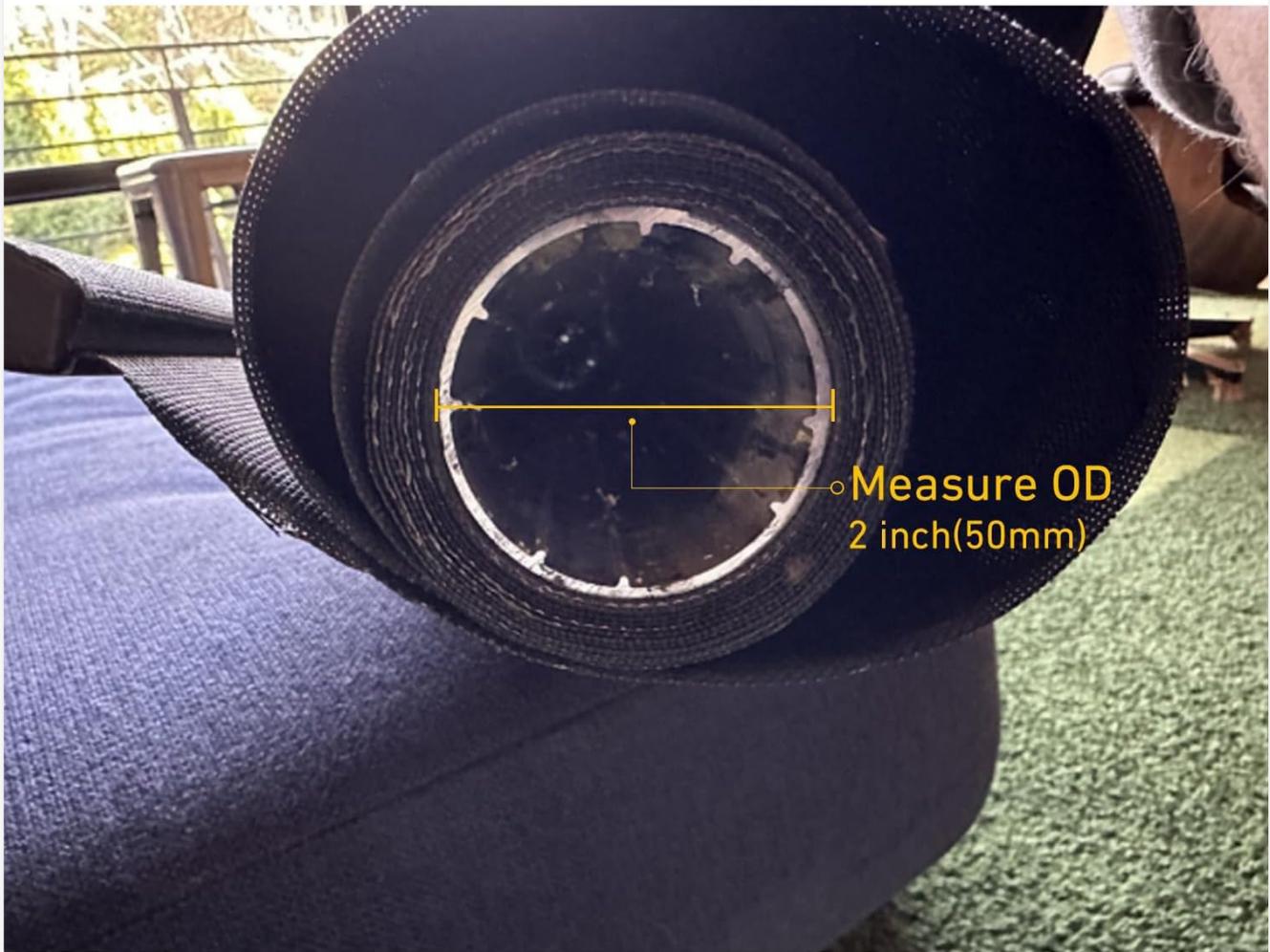


Image 5.1: Measuring the outer diameter of the shade tube.

5.2. Insert Motor into Shade Tube

1. Attach the crown adapter to the motor head.
2. Slide the motor, with the crown adapter, into one end of your 2-inch roller shade tube. Ensure it fits snugly.
3. Secure the other end of the shade tube with the appropriate end cap and mounting bracket.

5.3. Mounting the Shade

Mount the roller shade assembly to your wall or ceiling using suitable brackets. Ensure the motor's charging port is accessible if it's battery-powered and requires periodic charging.

6. SETUP AND PAIRING

6.1. Charging the Motor

Before initial use, fully charge the motor using the provided USB charging cable. The charging port is typically located on the motor head.

Long-Lasting Battery - Powered by Rechargeable Battery with low-power design

lasts 3-5 months depending on usage



Image 6.1: Motor with USB-C charging port and control icons.

6.2. Pairing with a ZigBee Hub

This motor requires a ZigBee 3.0 compatible hub (e.g., Tuya ZigBee Hub) to connect to your smart home system. Follow the instructions provided with your ZigBee hub to add a new device.

1. Ensure your ZigBee hub is powered on and in pairing mode.
2. Refer to the motor's specific pairing button location (often a small button on the motor head or a sequence of remote presses). Press and hold the pairing button until the motor indicates pairing mode (e.g., LED flashes).
3. Once detected by the hub, follow the on-screen prompts in your smart home app (e.g., Tuya Smart Life App) to complete the pairing process.

6.3. Integrating with Smart Home Platforms

After pairing with your ZigBee hub, you can link your smart home app (e.g., Tuya Smart Life) to voice assistants like Amazon Alexa or Google Home.

- **For Alexa:** Open the Alexa app, go to 'Skills & Games', search for 'Tuya Smart' or 'Smart Life', enable the skill, and link your account. Then, 'Discover Devices'.

- **For Google Home:** Open the Google Home app, tap '+' > 'Set up device' > 'Works with Google', search for 'Tuya Smart' or 'Smart Life', link your account.

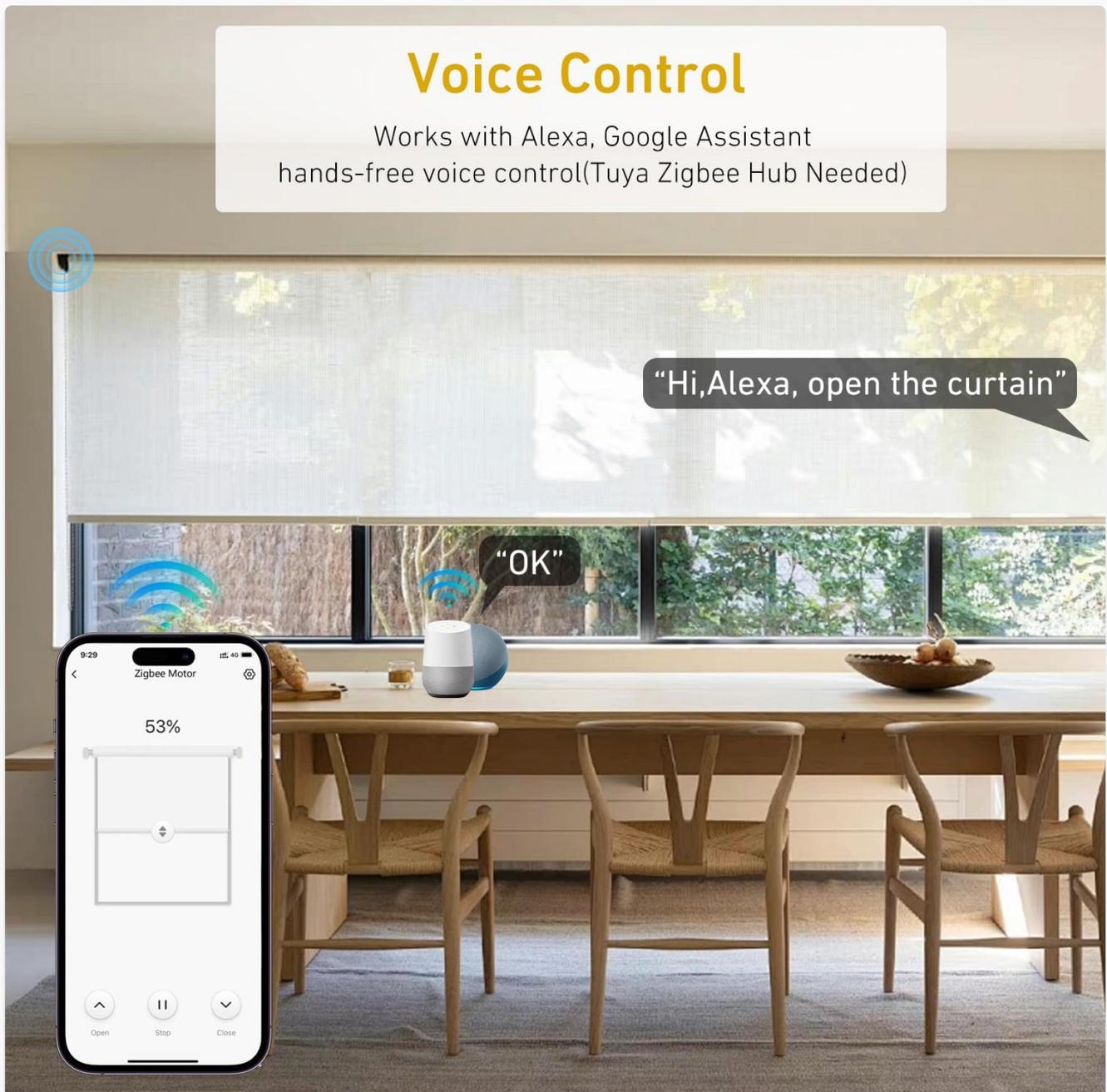


Image 6.2: Voice control integration with smart assistants.

7. OPERATING INSTRUCTIONS

7.1. Remote Control Operation

If your package includes a remote control, use it for direct operation:

- **Up Button:** Raises the shade.
- **Down Button:** Lowers the shade.
- **Stop/Pause Button:** Stops the shade at its current position.
- **Setting Buttons:** Used for setting upper/lower limits or pairing (refer to remote's specific manual).

7.2. App Control

Use the Tuya Smart Life App (or your preferred smart home app) for comprehensive control:

- **Open/Close:** Full control over shade position.
- **Percentage Control:** Adjust the shade to a specific percentage open/closed.
- **Motor Direction Setting:** If the motor operates in the reverse direction, you can usually adjust this setting within the app.
- **Battery Status:** Monitor the motor's battery level directly from the app.



Image 7.1: App control interface for smart shades.

7.3. Voice Control

Once integrated with Alexa or Google Home, use voice commands:

- "Alexa, open the living room blinds."
- "Hey Google, close the kitchen shade."
- "Alexa, set bedroom shade to 50%."

7.4. Timer & Scheduling

Utilize the scheduling features in your smart home app to automate shade movements:

- Set daily routines, e.g., open shades at sunrise, close at sunset.
- Create custom schedules for specific days or times.
- Integrate with other smart home devices for scene automation (e.g., "Good Morning" scene opens shades and turns on lights).

Timer & Scheduling

Works with smart home systems for automation, like sunset and sunrise activation and schedules

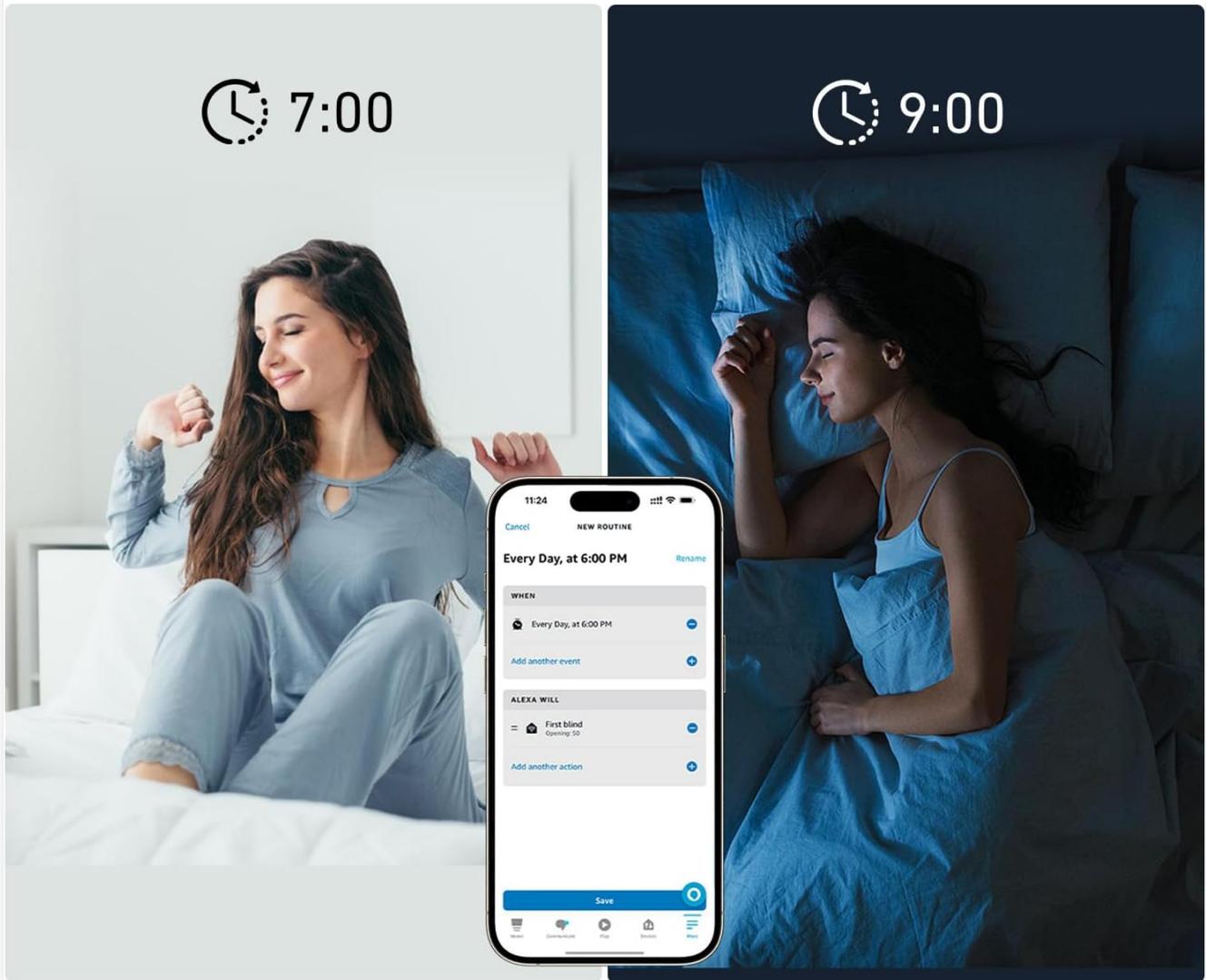


Image 7.2: Timer and scheduling for automated shade control.



Image 7.3: Detailed app interface for setting schedules.

8. MAINTENANCE

8.1. Battery Charging

The motor is battery-powered and requires periodic charging. When the battery level is low (indicated by the app or a motor LED), connect the motor to a DC 5V power source using the provided USB charging cable. A full charge typically lasts 3-5 months, depending on usage frequency.

8.2. Cleaning

Clean the motor and exposed parts with a soft, dry cloth. Do not use abrasive cleaners or immerse the motor in water. Spot clean only.

9. TROUBLESHOOTING

- **Motor not responding:**
 - Check battery level and recharge if necessary.
 - Ensure the motor is properly paired with the remote or ZigBee hub.
 - Verify the ZigBee hub is powered on and connected to the internet.
- **Shade moves in the wrong direction:**
 - Adjust the motor direction setting within your smart home app.
- **Voice control not working:**
 - Ensure your smart home app is correctly linked to Alexa or Google Home.
 - Check your internet connection and the status of your voice assistant device.
 - Verify the device name in the smart home app matches the name you are using in voice commands.
- **Motor makes unusual noise:**
 - Ensure the motor is securely installed within the shade tube and that the tube is properly mounted.
 - Check for any obstructions preventing smooth shade movement.

10. SAFETY INFORMATION

- Do not attempt to disassemble or repair the motor yourself. Contact customer support for assistance.
- Keep the motor and accessories out of reach of children and pets.
- Use only the specified charging voltage (DC 5V) and cable.
- Ensure the shade tube is securely mounted before operating the motor.
- Avoid exposing the motor to extreme temperatures or moisture.

11. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty details, please refer to the product packaging or contact Rollerhouse customer support. If you encounter any issues or have questions not covered in this manual, please reach out to our support team for assistance.

Contact Information: Please refer to the seller's information on the purchase platform or the official Rollerhouse website for the most up-to-date support contact details.

