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› Rollerhouse AM22 Zigbee Smart Roller Shade Motor Instruction Manual

Rollerhouse AM22

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Model: AM22C-0.5/25-ES-EZ

1. INTRODUCTION

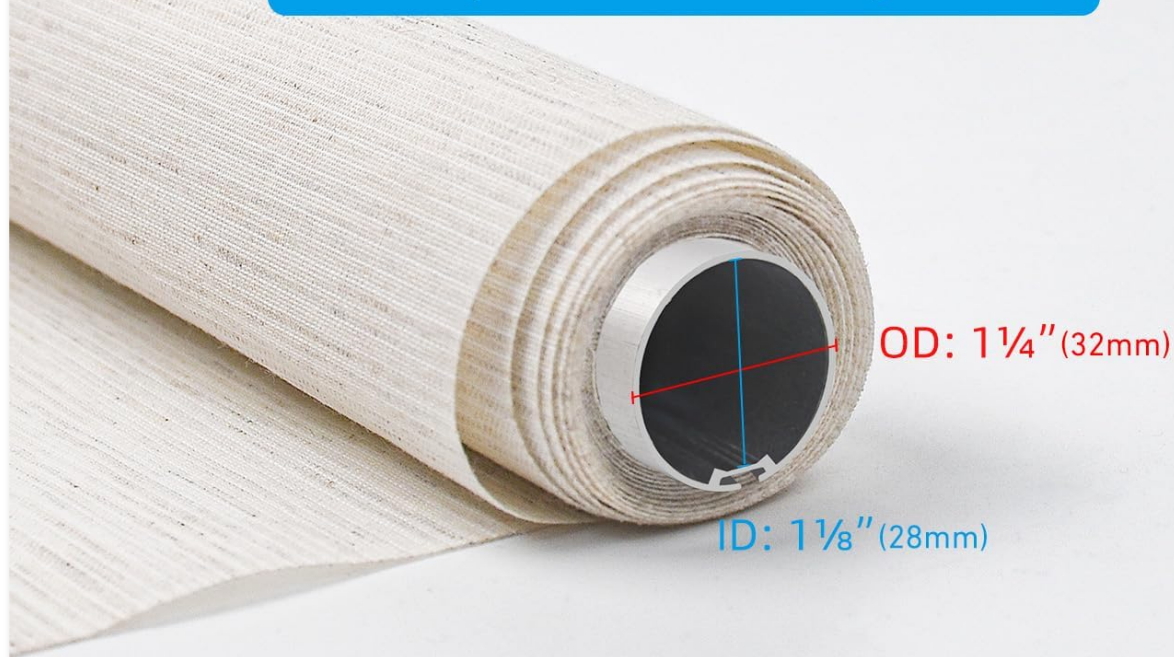
This manual provides detailed instructions for the installation, setup, and operation of your Rollerhouse AM22 Zigbee Smart Roller Shade Motor. This motor is designed to motorize roller shades with 32mm tubes, offering smart control options via a compatible Tuya Zigbee Gateway.

2. COMPATIBILITY REQUIREMENTS

Before proceeding with installation, ensure your roller shade and smart home setup meet the following critical requirements:

- **Tube Size:** This motor is specifically engineered for roller shade tubes with an Outer Diameter (O.D.) of 32mm (approximately 1.22 inches). It is not compatible with 35mm, 30mm, 28mm, or 1-inch tubes. Please measure your tube's O.D. accurately before installation.
- **Zigbee Gateway:** This motor operates using the Zigbee protocol. To connect to Alexa, Google Home, or the Tuya/Smart Life app, a compatible Tuya Zigbee Gateway/Hub is required. This motor cannot connect directly to your Wi-Fi router. The gateway is sold separately.

Designed for 32mm Tubes (Measure First)



❗ Before You Buy: Please Read This Compatibility Guide

1. Tube Size:

- You **MUST** have roller shade tubes with an **Outer Diameter (O.D.)** of exactly 32mm.

2. Hub Requirement:

- This is a **Zigbee device** and requires a **Tuya-compatible Zigbee gateway** (sold separately). It will **NOT** connect directly to your Wi-Fi network. Please ensure you have or are willing to purchase a gateway like the Zigbee Hub or similar.

Figure 2.1: Ensure your roller shade tube has an Outer Diameter (O.D.) of exactly 32mm for compatibility.



Figure 2.2: A Tuya Zigbee Gateway is essential for connecting the motor to smart home platforms like Alexa and Google Home.

3. WHAT'S INCLUDED

The package includes the following components:

- 1x AM22 Zigbee Smart Motor
- 1x USB Charging Cable
- 1x Installation Manual
- 1x Mounting Adapter



What's Included in the Box:

- 1x AM22 Zigbee Smart Motor
- 1x USB Charging Cable
- 1x Installation Manual
- 1x Mounting Adapter

Note:

- A Zigbee Hub is sold separately.
- Please confirm your tube size and hub compatibility before purchasing

**Upgrade your home, simplify your routine, and experience true smart living.
Add to Cart now!**

Figure 3.1: Components included with your AM22 Zigbee Smart Roller Shade Motor.

4. INSTALLATION

Transform your standard blinds into smart shades in just 3 simple steps:

1. Slide the motor into the 32mm tube.
2. Secure the end cap.
3. Connect to your Zigbee gateway via the app (refer to Section 5 for setup).

Installation Video Guides

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Video 4.1: Detailed guide on how to install the Smart Blinds Motor to the Roller shade. This video demonstrates the process of integrating the motor into an existing roller shade system.

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Video 4.2: A quick overview of the roller shade motor installation process.

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Video 4.3: General instructions on how to motorize existing blinds, shades, and draperies.

5. SETUP & PAIRING

Once the motor is physically installed and your Tuya Zigbee Gateway is set up, follow these steps to connect and pair your motor:

1. Ensure your Tuya Zigbee Gateway is powered on and connected to your home network.
2. Open the Tuya/Smart Life app on your smartphone.
3. Follow the app's instructions to add a new device and search for your Zigbee motor.
4. Once discovered, complete the pairing process within the app.

Remote Control Pairing & Programming

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Video 5.1: Instructions on how to program the remote to operate motorized blinds, including setting limits and reversing direction.

6. OPERATING INSTRUCTIONS

After successful setup, you can control your smart roller shade using various methods:

- **Voice Control:** Use Amazon Alexa or Google Assistant with commands like, "Alexa, open the living room blinds," or "Hey Google, close the bedroom shades."
- **App Remote Control:** Use the user-friendly Tuya/Smart Life app to operate your shades from anywhere.
- **Scheduling:** Set custom schedules (e.g., "open at 8 AM daily") to automate your shades.
- **Scene Integration:** Create scenes (e.g., "Good Morning" scene opens all shades) and group motors for room-wide control.

Versatile Smart Control Options

Once connected to your ecosystem, the possibilities are endless:

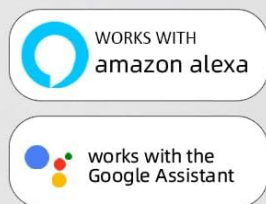
- **Voice Control:** "Alexa, open the living room shades to 50%."
- **Schedule & Timer:** Automate your shades to open at sunrise and close at sunset.
- **Scene Integration:** Create scenes like "Movie Night" that closes the shades and dims your lights simultaneously.
- **Group Control:** Control all shades in a room with a single command.



Figure 6.1: Versatile smart control options for your AM22 motor.

Smart Control

- Voice Control
- App Remote Control
- Scheduling
- Group Control by Remote
- Works with Tuya Zigbee Gateway



❗ Before You Buy: Essential Compatibility Guide

1. You MUST Have a Zigbee Hub:

This motor uses the Zigbee protocol for a stable, low-power connection. It is **not a Wi-Fi device**. To use it, you need one of the following:

- **A Tuya or Smart Life Zigbee Gateway** (Most Common)

Figure 6.2: Seamlessly control your blinds with voice commands or through the app.

Technical Specifications

32mm roller shade motor zigbee



Technical Specifications:

- **Model:** 0.5N 25rpm
- **Protocol:** Tuya Zigbee
- **Compatible Tube Size:** 32mm Inner Diameter (OD)
- **Battery:** Built-in rechargeable lithium battery
- **Battery Life:** Up to 1-3 months (standard use)
- **Charging:** Via included Micro-USB/USB-C cable (Wall adapter not included)
- **Hub Required:** Yes (Tuya Zigbee Gateway, SmartThings, etc.)
- **Voice Assistant Compatibility:** Amazon Alexa, Google Assistant
- **App:** Tuya / Smart Life
- **Max Load:** 2.2kg

Figure 6.3: Automate your shades with time-based schedules using the Tuya App.

7. CHARGING

The AM22 motor is powered by a built-in high-capacity lithium battery for cord-free convenience. One full charge provides months of normal use. It includes a USB-C charging cable for easy recharging. No complex wiring or electrician is needed.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	AM22C-0.5/25-ES-EZ
Protocol	Tuya Zigbee

Compatible Tube Size	32mm Outer Diameter (OD)
Battery	Built-in rechargeable lithium battery
Battery Life	Up to 1-3 months (standard use)
Charging	Via included USB-C cable (Wall adapter not included)
Hub Required	Yes (Tuya Zigbee Gateway, SmartThings, etc.)
Voice Assistant Compatibility	Amazon Alexa, Google Assistant
App	Tuya / Smart Life
Max Load	2.2kg

9. TROUBLESHOOTING

If you encounter issues with your AM22 motor, consider the following:

- **Motor not responding:** Check if the motor battery is charged. Ensure the Zigbee Gateway is online and the motor is properly paired in the app.
- **Incorrect direction:** Refer to the remote programming video (Video 5.1) for instructions on reversing motor direction.
- **Limits not set:** Follow the remote programming video (Video 5.1) to set the upper and lower travel limits for your shade.
- **Connectivity issues:** Verify your Zigbee Gateway's internet connection and proximity to the motor.

Troubleshooting Video Guides

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Video 9.1: Instructions on how to remove the C-clip to replace the crown and adapters, which may be necessary for certain troubleshooting or maintenance tasks.

10. WARRANTY & SUPPORT

For warranty information or further technical assistance, please refer to the product packaging or contact Rollerhouse customer support directly. Keep your purchase receipt for warranty claims.

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