

Irfora TM616EGZT

Irfora Tuya ZigBee TM616EGZT Smart Bead Curtain Motor User Manual

Model: TM616EGZT | Brand: Irfora

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Irfora Tuya ZigBee TM616EGZT Smart Bead Curtain Motor. Please read this manual thoroughly before use to ensure proper function and safety. This smart motor is designed to automate bead chain roller blinds, venetian blinds, vertical blinds, honeycomb shades, triple shades, and zebra shades, offering convenient control via mobile application or voice commands.

SAFETY INFORMATION

- Ensure the power supply matches the rated voltage (12V DC) of the motor.
- Disconnect power before performing any installation, maintenance, or troubleshooting.
- Keep the device away from water and high humidity environments.
- Do not attempt to disassemble or repair the motor yourself. Contact qualified personnel for service.
- This motor requires a ZigBee gateway for smart functionality. The gateway is not included and must be purchased separately.
- Keep packaging materials out of reach of children.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package.

- 1 x Irfora Tuya ZigBee Smart Bead Curtain Motor
- 1 x Power Adapter (EU, UK, US, AU type, depending on region)
- 1 x User Manual

SPECIFICATIONS

Feature	Detail
Model	TM616EGZT
Material	ABS
Color	White
Rated Voltage	12V DC
Rated Power	4.5W
Rated Torque	0.45 Nm
Rotation Speed	30 rpm
Operating Temperature	-20 °C to 65 °C
Built-in Reception Frequency	915 MHz, 2.4 GHz
Dimensions (Motor)	180 x 40 x 34 mm
Weight (Motor)	262 g
Compatibility	Tuya App, Amazon Alexa, Google Home
Connectivity	ZigBee (requires gateway)

SETUP INSTRUCTIONS

1. Preparing for Installation

Ensure your bead chain curtain system is in good working order. This motor is compatible with various bead chain types and sizes.

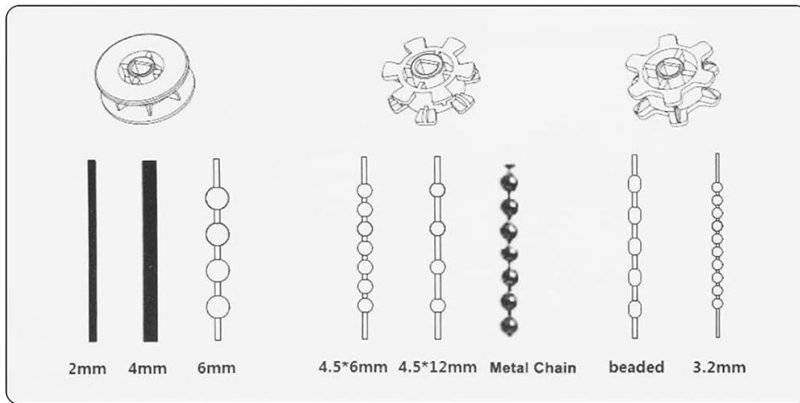
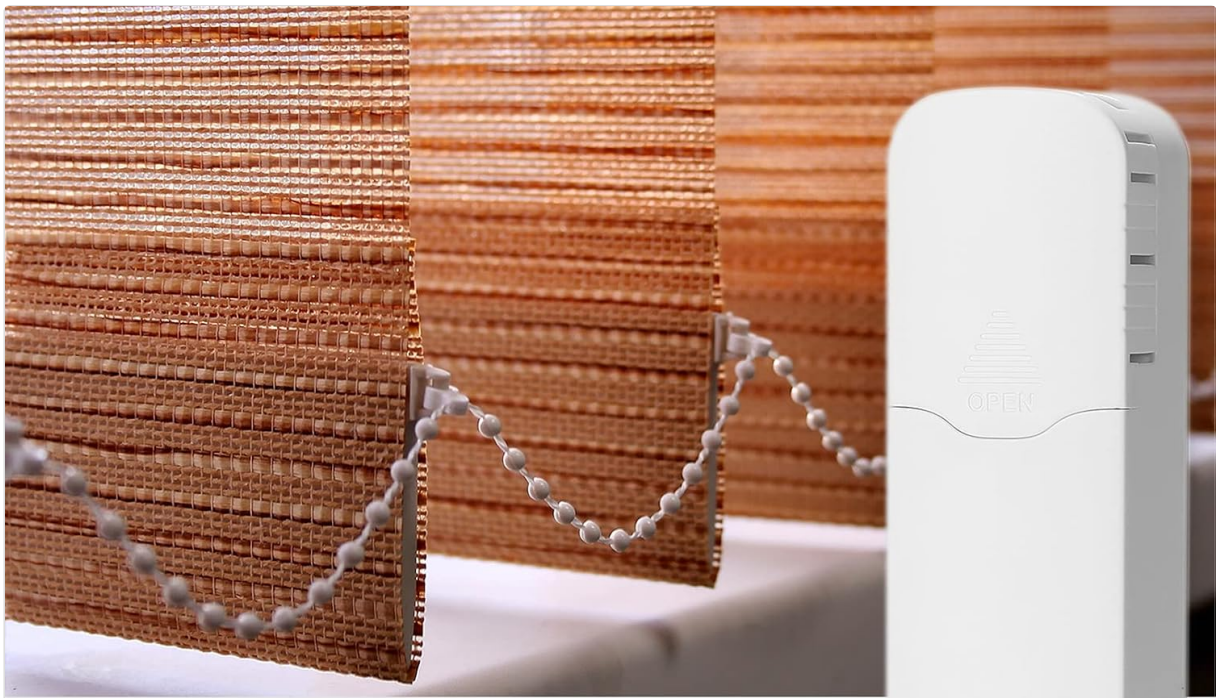
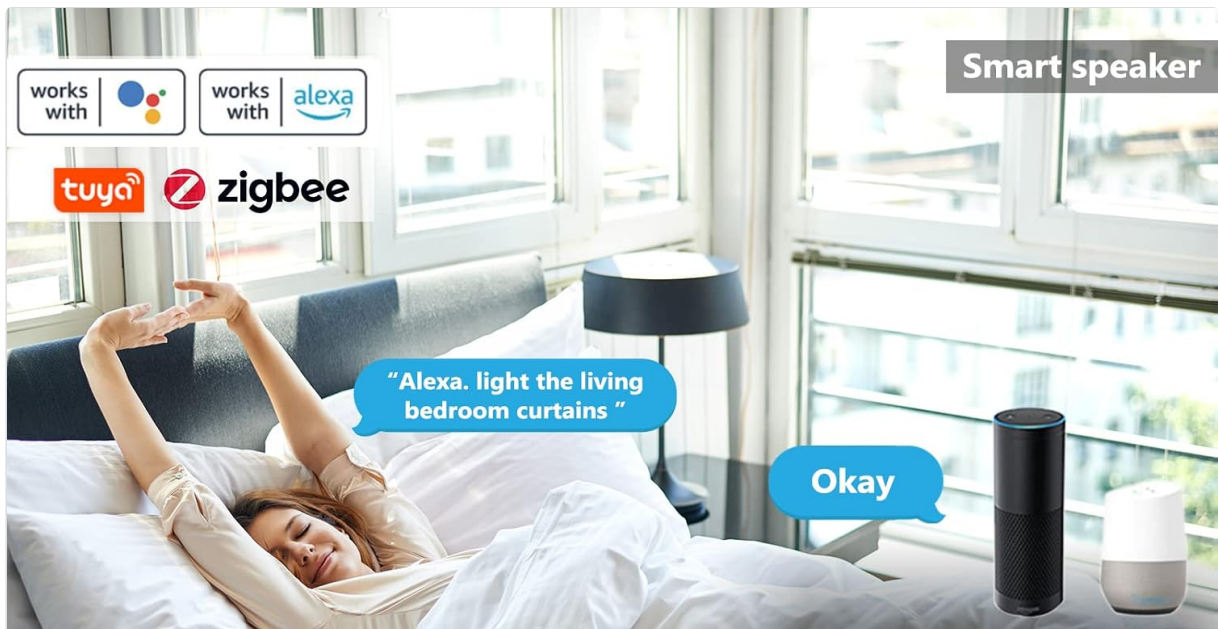


Image: This diagram illustrates the various bead chain types and dimensions that are compatible with the Irfora Smart Bead Curtain Motor. It shows different bead sizes and chain configurations, including standard beaded chains and metal chains, ensuring broad applicability for different curtain systems.

2. Mounting the Motor

The motor is designed for easy attachment to your existing bead chain. Open the motor casing as indicated by the "OPEN" marking. Insert the appropriate gear for your bead chain type. Securely close the casing around the bead chain, ensuring the chain is properly seated in the gear.



How to control the roller blind

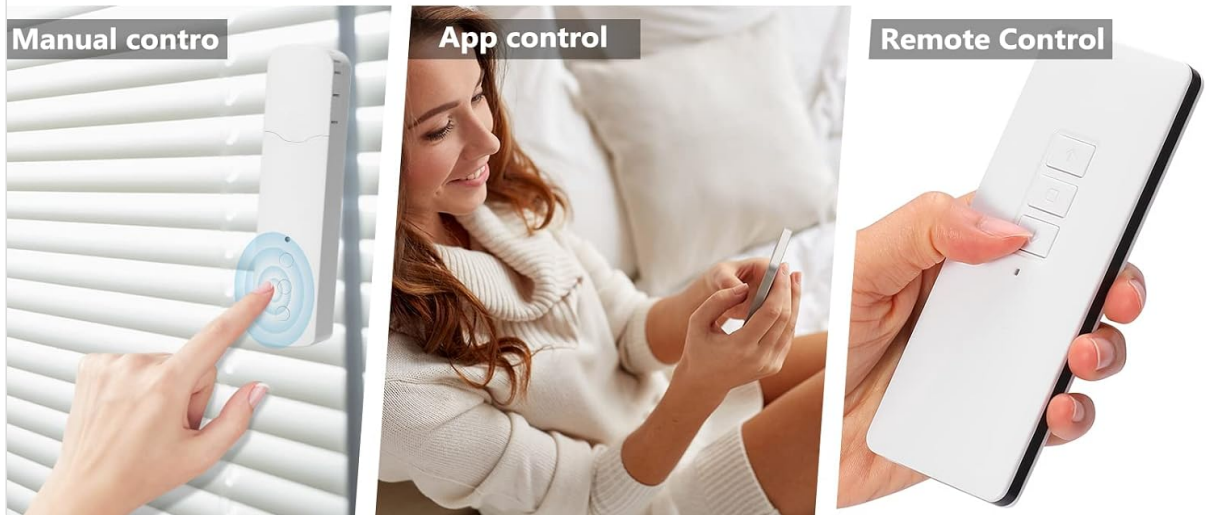


Image: This image demonstrates how to open the motor unit and insert the correct gear for your specific bead chain. It highlights the "OPEN" indicator and the interchangeable gear system, which allows the motor to adapt to various bead chain designs.

Mount the motor securely to the wall or window frame next to your curtain, ensuring the bead chain runs smoothly through the motor without obstruction.



Image: This collage displays the wide range of curtain types compatible with the Irfora Smart Bead Curtain Motor, including Venetian blinds, vertical blinds, honeycomb shades, triple shades, roller shades, and zebra shades. It illustrates the motor's versatility across various window covering styles.

3. Power Connection

Connect the provided power adapter to the motor and plug it into a suitable power outlet (110V-220V, European regulated).

4. ZigBee Gateway Connection (Required)

This smart motor operates on the ZigBee protocol and requires a ZigBee gateway (hub) to connect to your home network and enable smart features. The gateway is not included.

1. Ensure your ZigBee gateway is powered on and connected to your home Wi-Fi network.
2. Open the Tuya Smart or Smart Life app on your mobile device.
3. Follow the app's instructions to add a new ZigBee device. The motor should enter pairing mode automatically when first powered on, or by pressing and holding the pairing button (usually the small LED indicator button) for a few seconds until the LED blinks.
4. Once detected, follow the prompts in the app to complete the pairing process.



Image: This image shows a smartphone displaying the Tuya app interface, controlling a curtain. It also highlights the motor's compatibility with Alexa, Google Home, and Tuya Zigbee, indicating its integration into smart home ecosystems.

5. Setting Travel Limits

After successful pairing, use the Tuya app to set the upper and lower travel limits for your curtain. This defines the fully open and fully closed positions. The motor supports unlimited travel range, allowing customization to your specific curtain length.

1. In the Tuya app, navigate to the motor's control interface.
2. Use the up/down controls to move the curtain to its desired fully open position.
3. Save this as the upper limit within the app settings.
4. Move the curtain to its desired fully closed position.
5. Save this as the lower limit within the app settings.

OPERATING INSTRUCTIONS

1. Manual Control

The motor features physical buttons for basic operation.

- Press the **Up** button to open the curtain.

- Press the **Down** button to close the curtain.
- Press the **Stop/Pause** button (usually the middle button) to stop the curtain at any desired position.



Image: This image illustrates the three primary methods of controlling the smart curtain motor: direct manual control using the buttons on the motor unit, remote control via a smartphone application, and an optional dedicated remote control.

2. Mobile App Control (Tuya Smart / Smart Life)

Once connected to the Tuya app via your ZigBee gateway, you can control your curtains from anywhere.

- Open the Tuya Smart or Smart Life app.
- Select your Irfora curtain motor device.
- Use the virtual buttons to open, close, or stop the curtain.
- Set schedules and timers for automatic opening and closing at specific times.
- Create scenes to integrate curtain control with other smart home devices.

3. Voice Control (Alexa / Google Home)

Integrate your motor with Amazon Alexa or Google Home for convenient voice commands.

1. Ensure your Irfora motor is successfully paired with the Tuya app.
2. Open the Alexa or Google Home app.

3. Enable the "Tuya Smart" skill/service.
4. Link your Tuya account with Alexa/Google Home.
5. Discover new devices. Your curtain motor should appear.

Example voice commands:

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

MAINTENANCE

- **Cleaning:** Wipe the motor's exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Chain Inspection:** Periodically check the bead chain for any wear, damage, or obstructions that might hinder smooth operation.
- **Firmware Updates:** Check the Tuya app regularly for any available firmware updates for your motor to ensure optimal performance and security.

TROUBLESHOOTING

Motor Not Responding

- **Check Power:** Ensure the motor is properly plugged in and receiving power.
- **ZigBee Gateway:** Verify that your ZigBee gateway is online and functioning correctly.
- **App Connection:** Check the Tuya app to see if the motor is listed as online. If not, try re-pairing the device.
- **Reset:** Disconnect power for 10 seconds, then reconnect. If issues persist, perform a factory reset (refer to app instructions for specific reset procedures).

Curtain Not Moving Smoothly

- **Obstructions:** Check for any physical obstructions preventing the curtain from moving freely.
- **Bead Chain:** Ensure the bead chain is correctly seated in the motor's gear and is not tangled or damaged.
- **Travel Limits:** Re-calibrate the upper and lower travel limits in the Tuya app.

Voice Control Not Working

- **App Linkage:** Confirm that your Tuya account is correctly linked to your Alexa or Google Home app.
- **Device Discovery:** Try rediscovering devices in your Alexa or Google Home app.
- **Internet Connection:** Ensure your smart speaker and ZigBee gateway have a stable internet connection.

WARRANTY AND SUPPORT

The Irfora Tuya ZigBee Smart Bead Curtain Motor comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or contact Irfora customer support for detailed warranty terms and conditions.

For technical assistance, troubleshooting, or further inquiries, please contact your retailer or visit the official

Irfora website for support resources.