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**MOES B09LM644XJ**

# MOES Tuya ZigBee 3.0 Hub/Wired Gateway User Manual

Model: B09LM644XJ

## 1. Introduction

Thank you for choosing the MOES Tuya ZigBee 3.0 Hub/Wired Gateway. This device serves as the central control unit for your ZigBee smart home system, enabling seamless communication between various ZigBee devices and allowing control via the Tuya Smart app, as well as voice assistants like Amazon Alexa and Google Assistant. This manual provides detailed instructions for setup, operation, and troubleshooting to ensure optimal performance of your gateway.



Image: The MOES Tuya ZigBee 3.0 Hub/Wired Gateway alongside its product packaging.

## 2. Safety Information

Please read these safety instructions carefully before using the device to prevent damage or injury.

- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Keep the device away from water and other liquids.
- Do not attempt to disassemble, repair, or modify the device. This will void the warranty.
- Use only the provided power adapter or one with compatible specifications (DC 5V 2A).
- Ensure proper ventilation around the device to prevent overheating.
- This device is for indoor use only.

## 3. Package Contents

Verify that all items are present in your package:

- 1 x Wired Smart Gateway (Hub)
- 1 x Instruction Manual
- 1 x Power Cable (USB)
- 1 x Adapter (optional, depending on region/package)
- 1 x Network Cable (Ethernet)

## 4. Product Overview

Familiarize yourself with the components and indicators of your MOES ZigBee Gateway.




Image: Detailed diagram of the gateway showing the Network Cable Port, Reset Button, Power Socket, Network Connection Indicator, and Status Indicator.

## 4.1. Indicators

The gateway features two indicator lights: Network Connection Indicator and Status Indicator. Their behavior provides information about the device's current state.

### Network Connection Status (Green)

| Indicator State | Description |
|---|---|
| **Steady Off** | Network disconnected |
| **Steady On** | Network connected |
| **Blinks** | Data transmission accessed |

### Configuration Status (Green)

| Indicator State | Description |
|---|---|
| **Steady On** | Ready for connection |
| **Blinks** | Access learning mode |
| **Steady Off** | Successful connection |

# 5. Setup

Follow these steps to set up your MOES ZigBee Gateway:

1. **Power Connection:** Connect the provided power cable to the gateway's Power Socket and plug the adapter into a wall outlet. The Status Indicator should light up.
2. **Network Connection:** Connect one end of the Ethernet cable to the gateway's Network Cable Port and the other end to an available LAN port on your WiFi router. The Network Connection Indicator should light up steadily.
3. **Download App:** Download the "Tuya Smart" or "Smart Life" app from your smartphone's app store (available on iOS and Android).
4. **Register/Login:** Open the app and register for a new account or log in with an existing one.
5. **Add Device:** In the app, tap the "+" icon in the top right corner to add a new device. Select "Gateway" or "Control Hub" from the device list, then choose "Wired Gateway (ZigBee)".
6. **Confirm Indicator:** Follow the in-app instructions. Confirm that the Status Indicator on the gateway is blinking, indicating it's in learning mode. If not, press and hold the Reset Button for 5-10 seconds until it blinks.
7. **Connect:** The app will automatically discover the gateway. Once found, confirm the device and complete the pairing process. The Status Indicator will turn off once successfully connected.



Image: Illustration of the smart home ecosystem with the gateway as the central hub, connecting to a WiFi router, controlled by a smartphone app, and interacting with various ZigBee devices.

## 6. Operating Instructions

### 6.1. Connecting ZigBee Devices

Once your gateway is set up, you can start adding ZigBee devices to your smart home network:

1. Open the Tuya Smart/Smart Life app.
2. Navigate to your MOES ZigBee Gateway in the app.
3. Tap "Add sub device" or a similar option to put the gateway into pairing mode for new ZigBee devices.
4. Follow the instructions for your specific ZigBee device to put it into pairing mode (usually by pressing a reset button or power cycling).
5. The app will detect the new device. Once detected, you can rename it and assign it to a room.




Image: The gateway supports a wide range of ZigBee devices, including sensors, switches, and smart lighting.

The wired gateway supports up to 50 ZigBee devices, while a wireless hub supports up to 30.

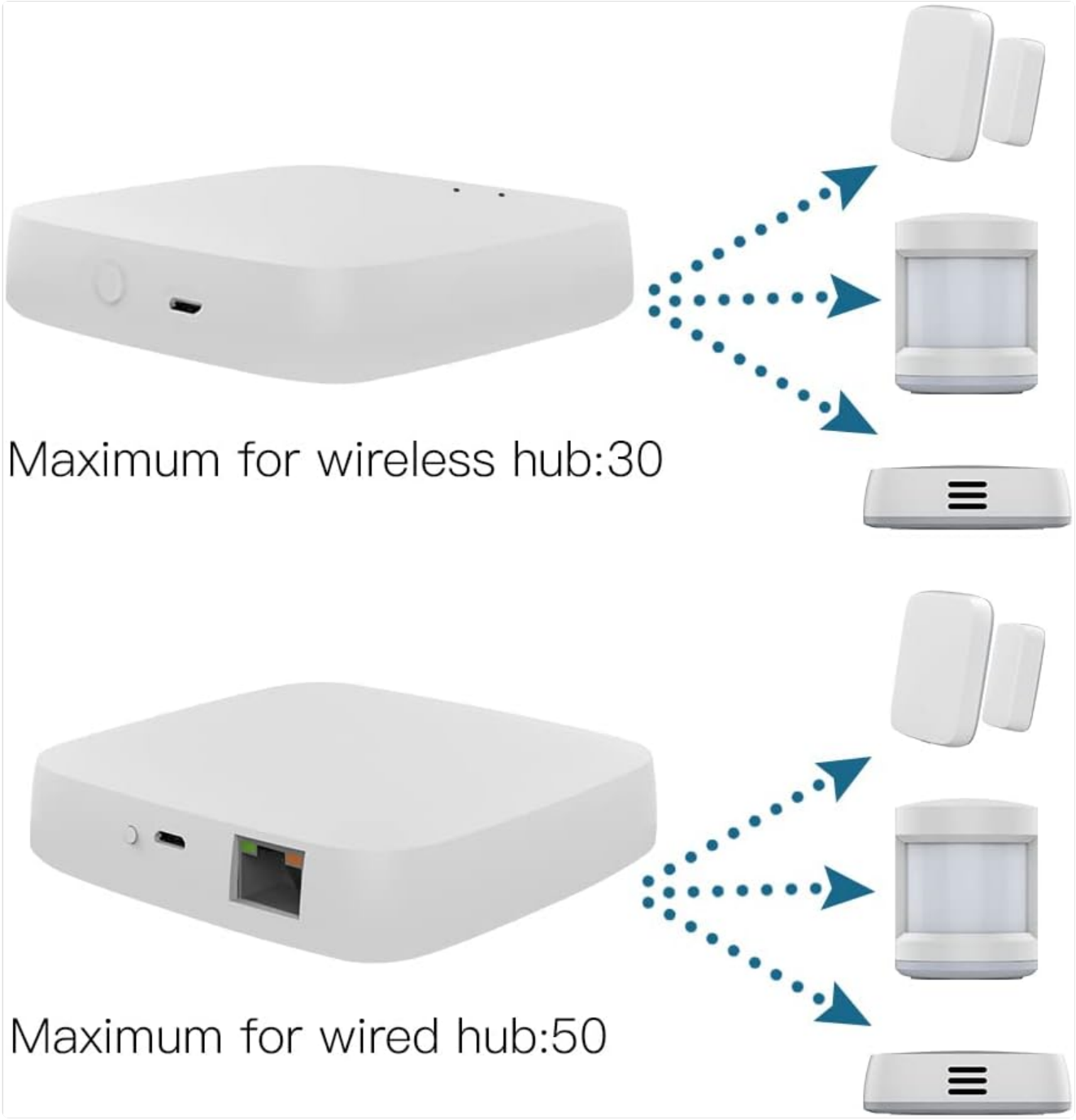



Image: Visual comparison of device capacity for wireless (30 devices) and wired (50 devices) ZigBee hubs.

## 6.2. App Remote Control

Control all connected ZigBee devices, including ZigBee 3.0 ones, directly from the Tuya Smart/Smart Life app. The app allows you to manage devices, set schedules, and create automation scenes from anywhere with an internet connection.




Image: The Tuya Smart app interface on a smartphone, demonstrating remote control capabilities for connected devices.

## 6.3. Voice Control Integration

The MOES ZigBee Gateway is compatible with Amazon Alexa and Google Assistant, allowing for convenient voice control of your connected devices. Link your Tuya Smart/Smart Life account to your voice assistant app (Alexa or Google Home) and discover devices.

- **Example Commands:**
- "Alexa, turn on the living room light."
- "Hey Google, set the thermostat to 72 degrees."
- "Alexa, turn on the flood sensor!"




Image: The gateway supports voice control through Amazon Alexa and Google Home devices.

## 6.4. Scenario Automation

Create custom automation scenarios within the Tuya Smart/Smart Life app to make your smart home truly intelligent. For example:

- **Door/Window Sensor Automation:** When you open/close the door, the light will automatically turn on/off.




Image: An example of a smart scenario where opening a door (detected by a sensor) automatically triggers a light to turn on via the hub.

- **PIR Motion Sensor Automation:** When you get up at night, the light will turn on once the PIR sensor detects your movement.

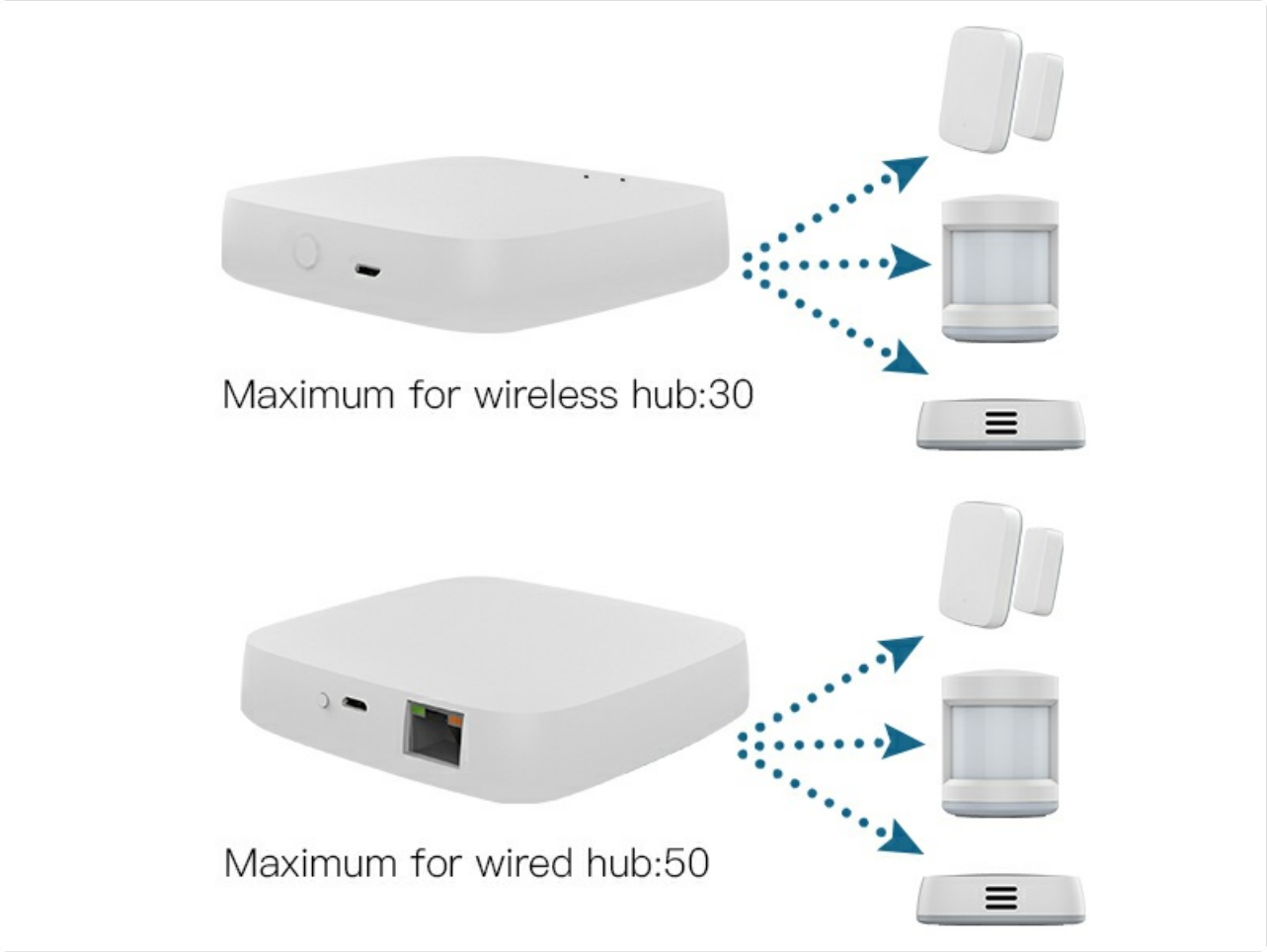



Image: An example of a smart scenario where motion detection by a PIR sensor automatically triggers a light to turn on via the hub.

## 7. Maintenance

### 7.1. Care and Cleaning

- Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure the device is unplugged before cleaning.
- Keep the ventilation openings clear of dust and debris.

## 8. Troubleshooting

If you encounter issues with your MOES ZigBee Gateway, refer to the following common problems and solutions:

| Problem | Solution |
| --- | --- |
| Gateway not powering on | Check if the power cable is securely connected to both the gateway and the power outlet. Ensure the power outlet is functional. |
| Network Connection Indicator is off | Verify the Ethernet cable is properly connected to both the gateway and your router. Check your router's internet connection. Try a different Ethernet cable or router port. |

| Problem | Solution |
| --- | --- |
| Cannot add gateway in Tuya Smart app | Ensure your smartphone is connected to a 2.4GHz WiFi network. Confirm the gateway's Status Indicator is blinking (learning mode). If not, press and hold the Reset Button until it blinks. Ensure your router has DHCP enabled. |
| ZigBee devices not pairing | Ensure the ZigBee device is in pairing mode (refer to its specific manual). Make sure the device is within range of the gateway. Try resetting the ZigBee device and the gateway. |
| Voice control not working | Ensure your Tuya Smart/Smart Life account is correctly linked to your Alexa or Google Home app. Check that devices are discovered in the voice assistant app. Verify your voice commands are correct. |
| Intermittent connection issues | Ensure the gateway is placed in a central location, away from large metal objects or other sources of interference. Check for firmware updates for the gateway in the app. |

## 9. Specifications

Detailed technical specifications for the MOES Tuya ZigBee 3.0 Hub/Wired Gateway:

| Feature | Detail |
| --- | --- |
| Product Name | Wired Smart Gateway |
| Electrical Parameters | DC 5V 2A |
| Operating Temperature | -10°C ~ 55°C (14°F ~ 131°F) |
| Operating Humidity | 10% ~ 90% RH (no condensation) |
| Wireless Protocol | ZigBee 3.0 |
| Product Dimensions | 90 x 90 x 23 mm (3.54 x 3.55 x 0.91 inches) |
| Product Weight | 182g (6.42 ounces) |
| Material | Plastic |
| Hardware Interface | Ethernet |
| Compatible Devices | Smartphones (via Tuya Smart/Smart Life App) |
| Manufacturer | Wenzhou Morning Electronics Co.,LTD |




Image: Physical dimensions of the MOES ZigBee Gateway.

## 10. Warranty and Support

### 10.1. Warranty Information

MOES products typically come with a limited warranty covering defects in materials and workmanship. Please refer to the warranty card included with your product or visit the official MOES website for specific warranty terms and conditions, as these may vary by region and product.

### 10.2. Customer Support

For technical assistance, troubleshooting, or any questions regarding your MOES Tuya ZigBee 3.0 Hub/Wired Gateway, please contact MOES customer support through their official website or the contact information provided in your product packaging. You can also visit the MOES store on Amazon for FAQs and additional resources.

**MOES Store Link:** https://www.amazon.com/stores/MOES/page/ABB11BE1-9AE8-4810-A06F-61502E3076BF

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