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zemismart TYGWZ-01

Zemismart TYGWZ-01 Tuya Zigbee 3.0 Smart Gateway Hub User Manual

Model: TYGWZ-01

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Zemismart TYGWZ-01 Tuya Zigbee 3.0 Smart Gateway Hub. This device serves as a central bridge for connecting various Zigbee 3.0 and Tuya WiFi smart products, enabling comprehensive smart home control.

2. PRODUCT OVERVIEW

The Zemismart TYGWZ-01 is a compact and essential component for any Tuya-based smart home system. It facilitates communication between your smart devices and the Tuya Smart App, allowing for remote control, automation, and integration of Zigbee and WiFi-enabled products. Its robust wireless networking capabilities ensure stable and reliable performance across a wide range.

Wireless Networking Stable

Zigbee3.0 intelligent wireless gateway, covering a wide range, strong ability to penetrate the wall, strong anti-interference ability, providing stable intelligent signal

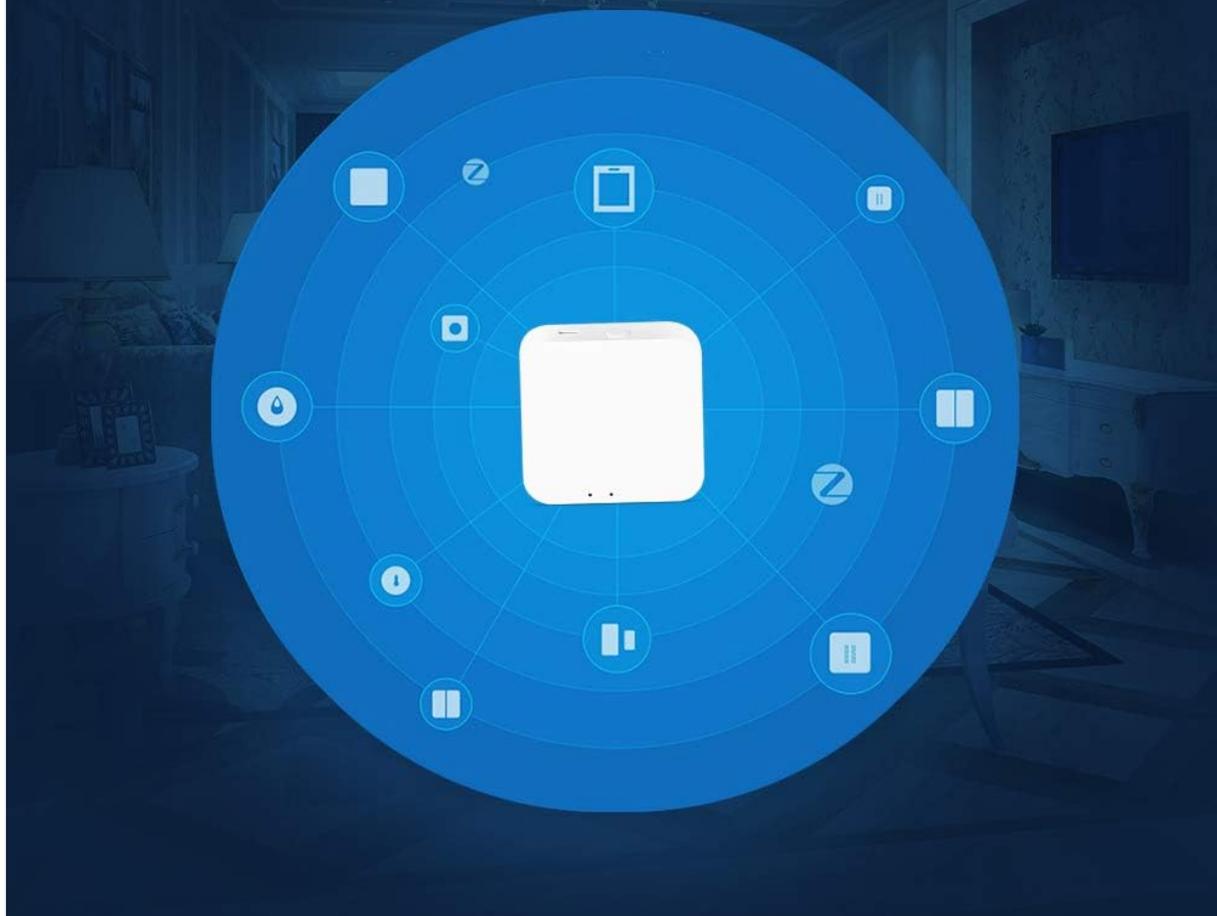


Image 2.1: The Zemismart TYGWZ-01 Smart Gateway Hub demonstrating stable wireless networking capabilities, covering a wide range and offering strong anti-interference ability for a stable intelligent signal.

3. FEATURES

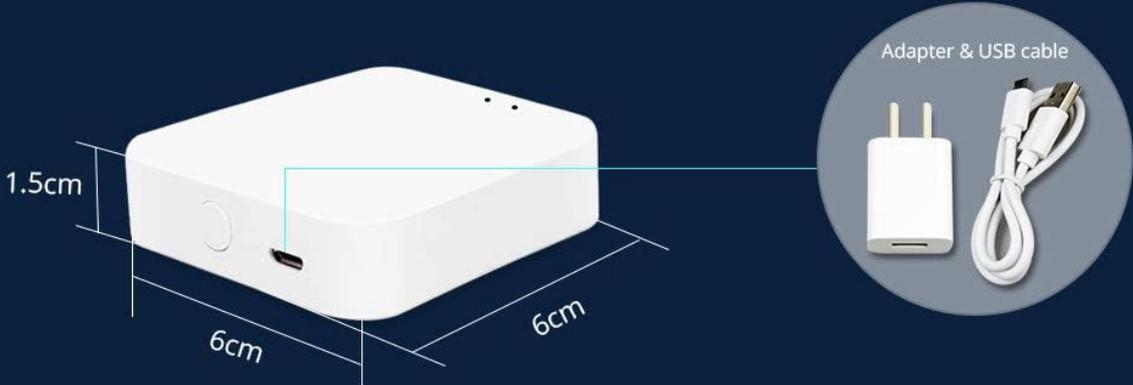
- **Essential for Tuya Zigbee Devices:** Connects a variety of Zigbee smart Tuya WiFi products (e.g., sensors, lights, switches) acting as a central control hub for up to 50 devices.
- **Extensive Compatibility:** Compatible with both Tuya WiFi products and various Zigbee 3.0 intelligent products, allowing for flexible system customization.
- **Tuya Smart App Remote Control:** Supports device addition, resetting, third-party control, and group control via the Tuya Smart App from anywhere.
- **Easy Installation and Configuration:** Designed for wireless setup with quick and simple WiFi configuration, requiring no professional technical skills.
- **Stable and Reliable Wireless Network:** Provides a wide-ranging WiFi signal that is stable and reliable for the normal operation of all connected devices.
- **Voice Control Support:** Integrates with Alexa and Google Home for convenient voice control of connected devices.
- **Security and Privacy Protection:** Ensures relevant data is encrypted during transmission for secure remote control and protection against malicious intrusion.

4. SPECIFICATIONS

Product Name	Smart Gateway
Model Number	TYGWZ-01
Dimensions	60.5 x 60.5 x 16.1 mm (6 x 6 x 1.5 cm)
Net Weight	33g (37g with packaging)
Working Temperature	-10°C to 55°C
Working Humidity	10% to 90% RH (non-condensation)
Wireless Technology	2.4G Wi-Fi, ZigBee 3.0
Adapter Output	5V=1A
Maximum Device Quantity	50

Product Parameters

Intelligence makes life easier



The diagram shows a white, cube-shaped Smart Gateway device with dimensions of 6cm by 6cm by 1.5cm. A callout circle highlights the included accessories: a white power adapter and a white USB cable.

Product name: Smart Gateway	Adapter output:5V=1A
Working temperature:-10°C-55C	
Working humidity: 10%~90% RH(no condensation)	Wireless technology:2.4G Wi-Fi ZigBee
Dimensions: 60.5x60.5x16.1mm	Net weight:33g

Image 4.1: Detailed product parameters including dimensions, working conditions, and power adapter specifications for

5. SETUP INSTRUCTIONS

Follow these steps to set up your Zemismart TYGWZ-01 Smart Gateway Hub:

1. **Power On:** Connect the provided USB cable to the gateway and plug the adapter into a power outlet. The indicator light on the hub will illuminate.
2. **Download Tuya Smart App:** Download and install the "Tuya Smart" or "Smart Life" app from your smartphone's app store (iOS or Android).
3. **Register/Log In:** Open the app and register for a new account or log in with an existing one.
4. **Add Gateway:**
 - In the app, tap the "+" icon in the top right corner to add a device.
 - Select "Gateway" or "Control Hub" from the device categories.
 - Follow the on-screen instructions to connect the gateway to your 2.4GHz Wi-Fi network. Ensure your phone is connected to the same 2.4GHz Wi-Fi network during setup.
 - The app will guide you through the pairing process, which may involve resetting the device (refer to the device's reset button if needed).
5. **Add Sub-devices:** Once the gateway is successfully added, you can add Zigbee sub-devices (e.g., sensors, switches) through the gateway interface in the Tuya Smart App.

Group Control & App Push

Control the gateway and its connected sub-devices anytime, anywhere with the Tuya App. Automated scenarios can be set through the app.

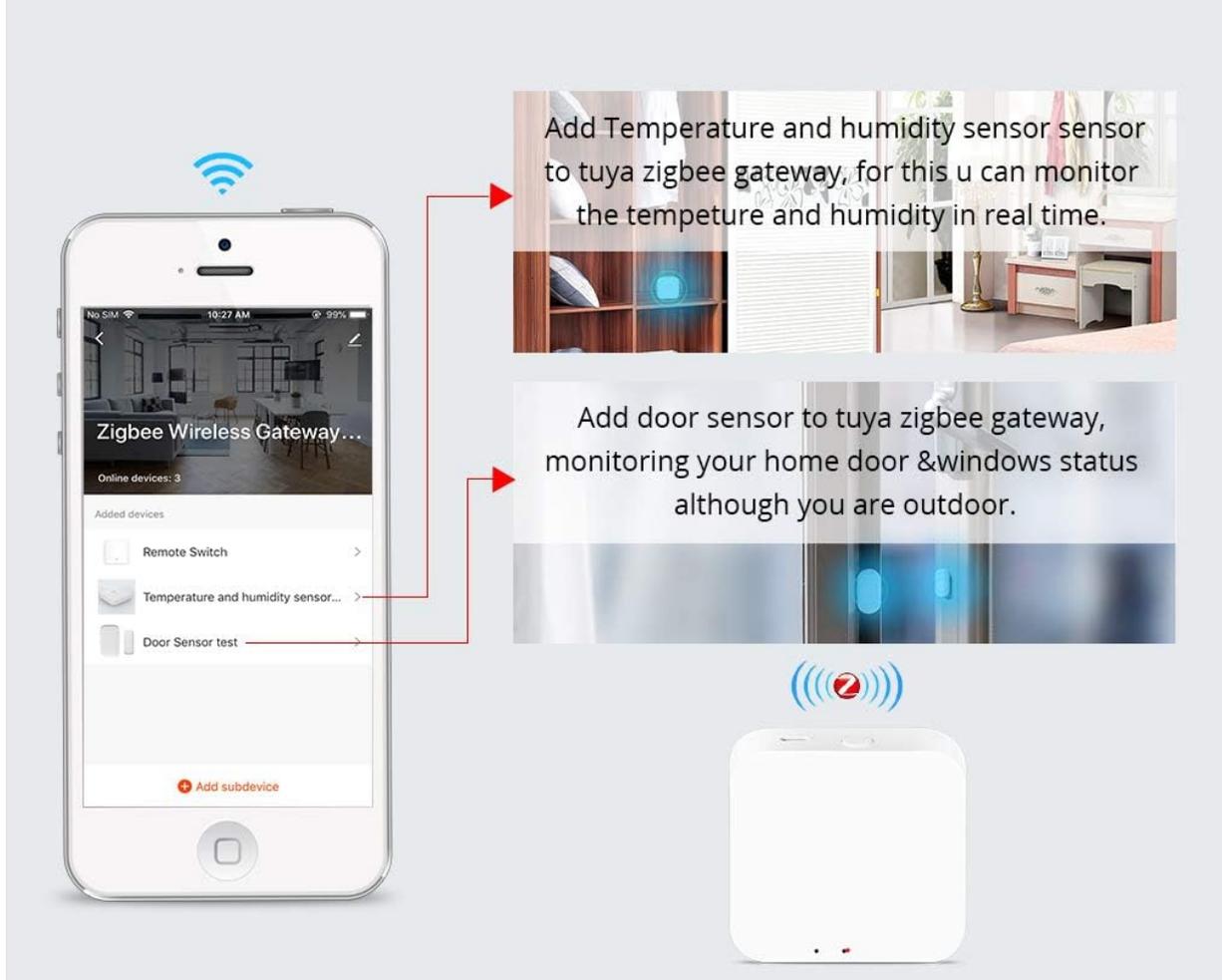


Image 5.1: The Tuya Smart App interface showing how to add sub-devices like temperature/humidity sensors and door sensors to the Zigbee Wireless Gateway.

6. OPERATING INSTRUCTIONS

After successful setup, you can operate your smart home devices through the Zemismart TYGWZ-01 hub using the Tuya Smart App and voice assistants.

6.1. App Control

- **Remote Control:** Control all connected Zigbee and WiFi devices from anywhere using the Tuya Smart App on your smartphone.
- **Group Control:** Create groups of devices to control multiple devices simultaneously with a single command.
- **Automated Scenarios:** Set up smart scenes and automation rules based on time, device status, or environmental conditions (e.g., turn on lights when a door sensor is triggered).
- **Device Management:** Add, remove, or rename devices connected to the gateway within the app.

6.2. Voice Control (Alexa/Google Home)

The Zemismart TYGWZ-01 supports voice control via Amazon Alexa and Google Home. To enable this

feature:

1. Ensure your Alexa or Google Home device is set up and connected to the internet.
2. In the Alexa or Google Home app, enable the "Tuya Smart" or "Smart Life" skill/service.
3. Link your Tuya Smart account with your Alexa or Google Home account.
4. Discover devices. Once linked, you can use voice commands like "Alexa, open the curtain" or "Hey Google, turn on the living room light" to control your connected devices.



Image 6.1: Illustration of how the Tuya Zigbee hub integrates with a WiFi router and an Amazon Echo device to enable voice control for smart devices like curtains.

6.3. Apple HomeKit (Siri) Integration

The ZMHK-01 hub, which is compatible with the TYGWZ-01, allows control of most Tuya Zigbee smart devices on the HomeKit APP. This enables voice control via Siri for your home lights, switches, curtains, and other devices. Alternatively, you can use Alexa/Google Home voice control via the Tuya APP.

Hey, Siri

ZMHK-01 hub allow you to control most Tuya Zigbee smart devices on the Homekit APP, So that can voicecontrol your home lights, swithes, curtains and etc, by Siri via homekit. Or Alexa/Google Home voice cotrolvia Tuya APP.



Image 6.2: The ZMHK-01 hub, compatible with the TYGWZ-01, demonstrating integration with Apple HomeKit for Siri voice control of smart devices.

7. MAINTENANCE

To ensure optimal performance and longevity of your Zemismart TYGWZ-01 Smart Gateway Hub, consider the following maintenance tips:

- **Keep Clean:** Regularly wipe the device with a soft, dry cloth to remove dust. Avoid using liquid cleaners or abrasive materials.
- **Optimal Placement:** Place the hub in a central location within your home to maximize wireless signal coverage and minimize interference. Avoid placing it near large metal objects or other wireless devices that may cause signal disruption.
- **Environmental Conditions:** Operate the device within the specified working temperature and humidity ranges (-10°C to 55°C, 10% to 90% RH non-condensation). Avoid extreme temperatures or high humidity environments.
- **Firmware Updates:** Periodically check the Tuya Smart App for any available firmware updates for the gateway. Updates can improve performance, add new features, and enhance security.
- **Power Cycle:** If the device becomes unresponsive, try power cycling it by unplugging it from the power source for a few seconds and then plugging it back in.

Security Privacy Protection

In wifi and Zigbee terminals, when the accessory is remotely controlled, the relevant data is encrypted during transmission. Make sure the equipment is safe to use and prevent malicious intrusion.



Image 7.1: The security and privacy protection mechanism of the Zigbee Wireless Gateway, ensuring encrypted data transmission when accessories are remotely controlled.

8. TROUBLESHOOTING

If you encounter issues with your Zemismart TYGWZ-01 Smart Gateway Hub, refer to the following common troubleshooting steps:

- **Gateway Not Connecting to Wi-Fi:**
 - Ensure your Wi-Fi network is 2.4GHz. The gateway does not support 5GHz Wi-Fi.
 - Check that your Wi-Fi password is correct.
 - Move the gateway closer to your Wi-Fi router.
 - Restart your Wi-Fi router and the gateway.
 - Perform a factory reset on the gateway (refer to device instructions for reset method) and try pairing again.
- **Sub-devices Not Pairing:**
 - Ensure the sub-device is in pairing mode (refer to the sub-device's manual).
 - Make sure the sub-device is within range of the gateway.
 - Check the battery level of the sub-device if it's battery-powered.

- Reset the sub-device and attempt to pair again.
- **Voice Control Not Working:**
 - Verify that the "Tuya Smart" or "Smart Life" skill/service is enabled and linked correctly in your Alexa or Google Home app.
 - Ensure your voice assistant device is online and functioning correctly.
 - Try rediscovering devices in your Alexa or Google Home app.
 - Check that the device names in the Tuya Smart App match the names you are using for voice commands.
- **App Not Responding:**
 - Check your internet connection.
 - Close and reopen the Tuya Smart App.
 - Clear the app's cache or reinstall the app.
 - Ensure the gateway has a stable power supply.

9. WARRANTY AND SUPPORT

Zemismart products typically come with a standard manufacturer's warranty. For specific warranty details, please refer to the documentation included with your purchase or visit the official Zemismart website. For technical support, troubleshooting assistance, or warranty claims, please contact Zemismart customer service through their official support channels. Keep your purchase receipt or order number handy when contacting support.