

# Teralux Zigbee Gateway WG-Z User Manual

CE RoHS FC  RED  LVD



**Teralux Office**

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# Teralux Zigbee Gateway WG-Z

## Wireless Gateway Zigbee Protocol

Wireless Zigbee gateway has a built-in highly integrated Wi-Fi module and a low-power wireless Zigbee module. On TUYA Smart Life App, users can realize functions such as device adding, reset, third-party controand Zigbee group control, and matchwith a variety of Zigbee 1-5 color constant voltage LED controller, Zigbee triac dimmer, Zigbee 0/1-10V dimmer and Zigbee dimming LED driver to meet smart home applicationsck glass finishes, and supports optional 2.4GHz RF remote control for convenient wireless operation.

### Features

Plug and play, easy to use.

Integrated with WiFi and Zigbee communication mode, achieve remote WiFi control and local Zigbee control.

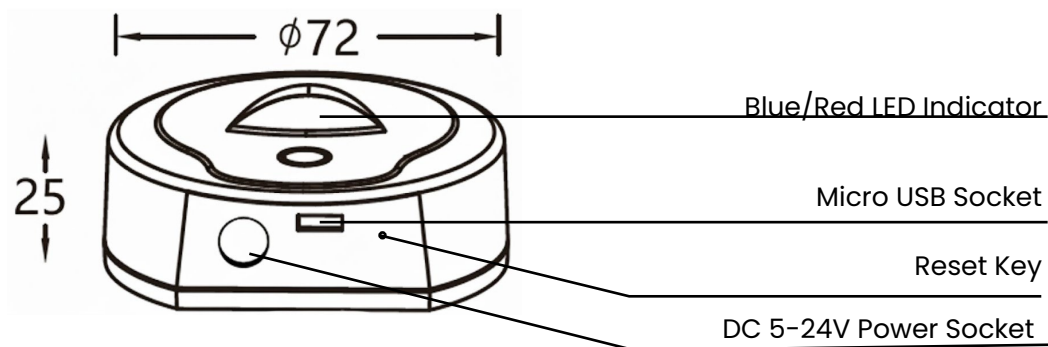
WiFi signal and Zigbee signal are stable and reliable, can cover a wide area, preventing interference, and feature lower power consumption.

To strengthen security, the device adopts industry-advanced encryption to transmit information on both WiFi and Zigbee terminal.

The same local area network can connect multiple Zigbee gateway via Smart Life App.

long press reset key for 5s to clear previous connection, enter configure mode rapidly.

### Mechanical Structure



## Technical Parameter

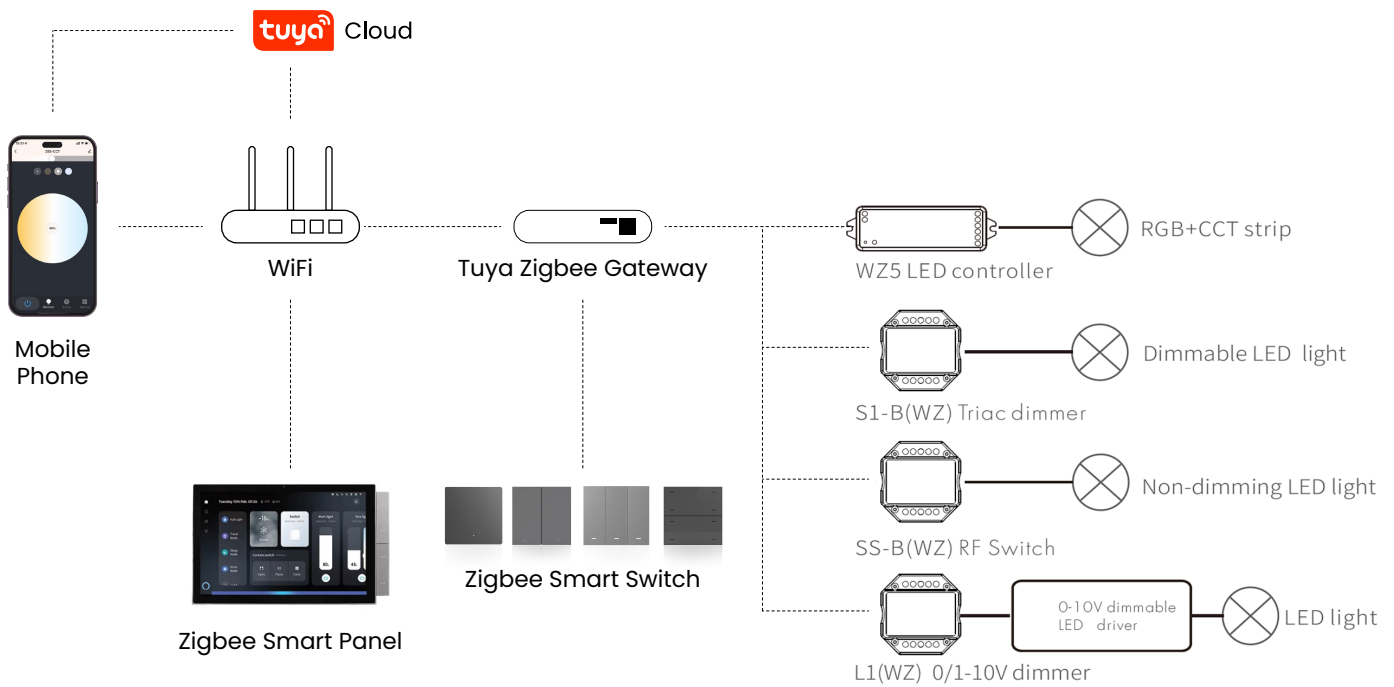
### Wireless Gateway Zigbee Protocol

Engineered for modern smart lighting, this converter delivers smooth, accurate brightness adjustment with dependable efficiency and compatibility.

Category	Item	Specification	
Physical characteristics	State indicator	Two LED (WiFi + Zigbee)	
	Operation key	One key (for resetting)	
	Input voltage	MicroUSB DC5V	
	Input current	<1A	
	Operation temperature	-10~55°C	
	Operation humidity	10%~90%RH (non-condensable)	
	Storage temperature	-20~60°C	
	Storage humidity	5%~90%RH (non-condensable)	
	Hardware port	One Micro-USB	
	Wireless technology		WiFi 802.11 b/g/n
			Zigbee 802.15.4
	Type of antenna	Built-in on-board antenna	
Network performance	Wireless encryption	AES 128bit Encryption	
		WPA-PSK / WPA2-PSK, WPA/WPA2 Security mechanism	
	Network administration	App remote configuration	
		Wi-Fi module firmware upgrade	
		Zigbee module firmware upgrade	

Category	Parameter	Wi-Fi	Zigbee
RF characteristics	Wireless frequency	2.400 ~ 2.4835GHz	11n: HT40 MCS0~7
	Transmitting power	21dBm	10dBm (Standard)
	Signal channels	MicroUSB DC5V	CH1-CH26
	Transmitting rate	11b: 1, 2, 5.5, 11 (Mbps)	<1A
		11g: 6, 9, 12, ..., 54. (Mbps)	250Kbps
		11n: HT20 MCS0~7	
		11n: HT40 MCS0~7	

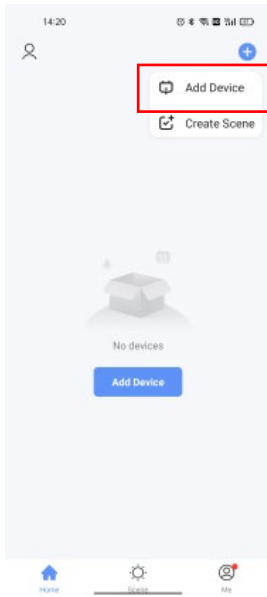
## System Wiring



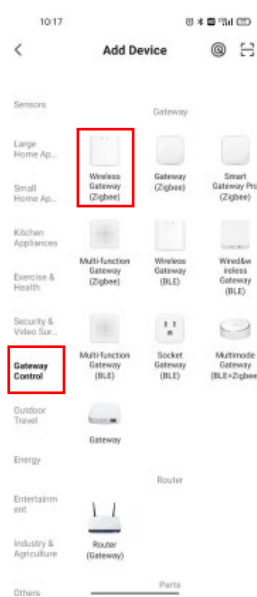
# Network Pairing

## Gateway Setup Instructions

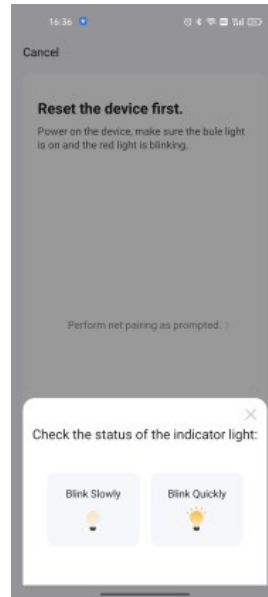
To begin using Tuya APP cloud control, power on the gateway and ensure the red LED indicator is blinking; if not, press and hold the reset button until it flashes. Connect your phone to WiFi so it shares the same local network as the gateway. Open the Smart Life app, tap the “+” icon, and manually add the ZigBee gateway by selecting “Gateway Control” and then “Wireless Gateway (Zigbee).” Once the gateway is added successfully, tap the “Gateway” icon on the home page and continue adding sub-devices by following the prompts in the app.



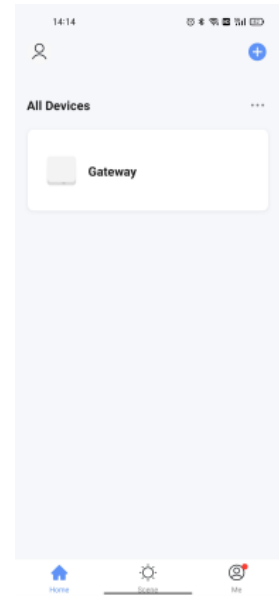
Click “+”, prepare for adding device



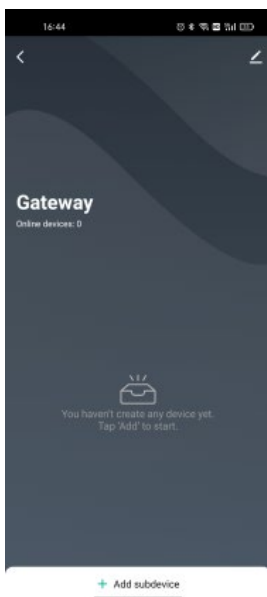
Select Gateway Control, tap on Wireless Gateway “Zigbee”



Select one of each



Tap on “Gateway” to enter the operation interface



Add sub-devices



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