


owon SEG-X5 ZigBee Gateway User Guide

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owon SEG-X5 ZigBee Gateway



Safety Handling

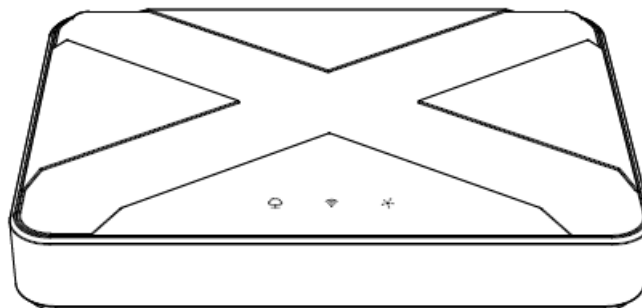
WARNING: Failure to follow these safety notices could result in fire, electric shock, other injuries, or damage to the gateway and other property. Read all the safety notices below before using the gateway.

- Avoid high humidity or extreme temperatures.
- Avoid long exposure to direct sunlight or strong ultraviolet light.
- Do not drop or expose the unit to intense vibration.
- Do not disassemble or try to repair the unit on your own.
- Do not expose the unit or its accessories to flammable liquids, gases, or other explosives.
- Do not use harsh chemicals or strong detergents to clean it.
- Do not place it where infants and young children can touch it, children should use it under parental supervision.
- Do not touch it when powering on to ensure your safety.
- Indoor use only.

Technical Specifications

Connectivity	
Ethernet RJ45 Port	<ul style="list-style-type: none"> • 10/100M bps • Auto MDIX
ZigBee	<ul style="list-style-type: none"> • 2.4GHz IEEE 802.15.4
ZigBee Profile	<ul style="list-style-type: none"> • ZigBee 3.0
RF Characteristics	<ul style="list-style-type: none"> • Operating frequency: 2.4 GHz • Internal PCB Antenna • Range outdoor: 100m (open area)
Physical Specifications	
Operating Voltage	<ul style="list-style-type: none"> • Micro-USB DC5V/2A
Operating environment	<ul style="list-style-type: none"> • Temperature: -20 °C~+55 °C • Humidity: ≤ 90% non-condensing
Dimensions	<ul style="list-style-type: none"> • 91.5(W) x 133 (L) x 28.2(H) mm
Mounting Type	<ul style="list-style-type: none"> • Tabletop stand or Wall mounting

Welcome



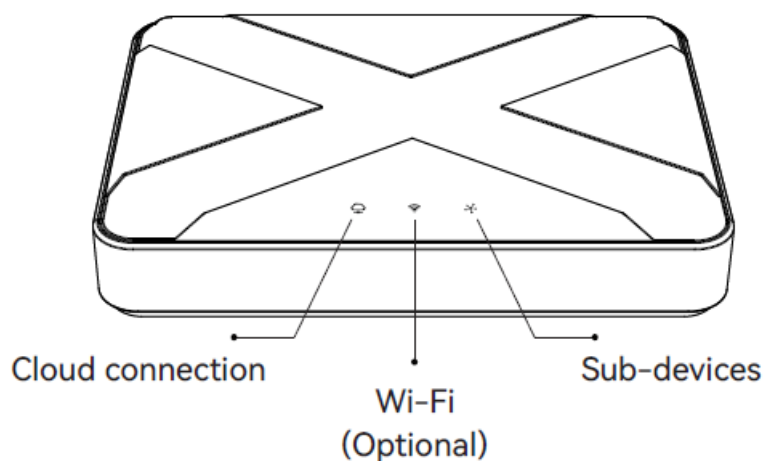
The SEG-X5 Smart Gateway acts as a central platform for your smart home system. It allows you to add ZigBee devices into the system. Automatic control, schedule, scene, remote monitoring and control for ZigBee devices can enrich your IoT experience. This guide will provide you with an overview of the product and help you get through the initial setup.

Features

- ZigBee 3.0
- Stable internet connection via Ethernet
- ZigBee coordinator of the home area network and provide stable ZigBee connection
- Built-in buzzer
- Local linkage, scenes, schedules
- Support backup & transfer to replace gateway

Get to know your device

Indicator



Cloud connection indicator

- The status gives the following information

LED Color	Status	What it means
Green	Always-on	Connected to the cloud Successfully
Orange	Flashes slowly	Failed to connect to the cloud
	Always-on	In configuration mode

Sub-devices indicator

- The status gives the following information

LED Status	What it means
Flashes rapidly	Allow sub-devices to join the gateway

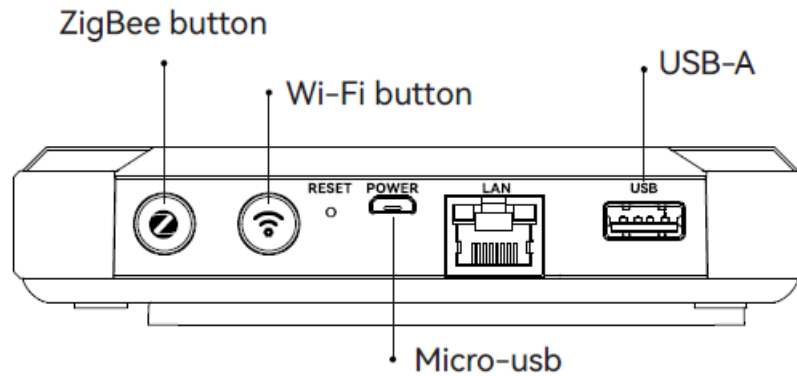
System-initiated

- After you reset the gateway or when it is powered on, the Cloud connection indicator and the Wi-Fi / Sub-devices indicator will be always-on at the same time.

Firmware upgrade

- When the gateway firmware is upgrading, the Cloud connection indicator and the Wi-Fi / Sub-devices indicator will flash slowly at the same time.

Button



ZigBee button

Permit join: Press and hold it for 2 seconds until the Sub-devices indicator flashes rapidly to allow sub-devices to join the gateway which will last 2 min, you can hold it again for 2 seconds to exit it.

Reset Button

Reset: Press and hold the reset button for 10 seconds until the buzzer beeps to restore the gateway to the default factory setting.

Buzzer

The gateway has a built-in buzzer, the status gives the following information:

Status	What it means
One long beep	Rest the gateway
Beep twice quickly	In configuration mode
Beep twice evenly	Sub-device successfully joined the gateway

Get Started


Installation

1. The gateway needs a power supply and Ethernet connection, so please find a suitable position to install. You can mount the gateway on the wall using its wall bracket or put it on a flat surface.
2. Once the best position has been identified, insert the micro-USB cable to the POWER port and connect it to the power supply.
3. Connect the LAN port on the gateway with the LAN port on your router through the network cable, then wait for the cloud connection indicator on the gateway turn green, which means the gateway has successfully connected to the cloud.
4. After that, open the app and follow the instructions to add the gateway.

Add sub-devices

- Please refer to the manual of your sub-device for the adding operation, then enable permitted to join on the gateway. When the sub-device successfully joins the gateway, the buzzer will beep twice evenly.

Documents / Resources

 <small>SEG-X5 ZigBee Gateway Quick Start Guide</small>	owon SEG-X5 ZigBee Gateway [pdf] User Guide SEG-X5, ZigBee Gateway, Gateway, SEG-X5
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Manuals+.