Z-Gate™

FG2200 (LAN to Z-Wave® Home gateway)

FG3200 (WiFi to Z-Wave® Home gateway)

User's Manual

Table of Contents

Before attempting to connect, operate or adjust this product, please save and read the User's Manual completely. The style of the product shown in this User's Manual may be different from the actual unit due to various models.

Safety Instructions

Always read the safety instructions carefully:

- Keep this User's Manual for future reference
- Keep this equipment away from humidity
- If any of the following situation arises, get the equipment checked by a service technician:
  - The equipment has been exposed to moisture.
  - The equipment has been dropped and damaged.
  - The equipment has obvious sign of breakage.
  - The equipment has not been working well or cannot get it to work according to the User's Manual.

Copyright

Trademarks

Introduction

Our Z-Gate™ series are designed to connect and communicate multi Z-Wave® devices. Feature packed, tiny and powerful Z-Wave® home gateway to communicate. Monitor and control your home remotely from anywhere in the world using a mobile phone or tablet PC. Enhanced expansion capability plus stylish appearance, the Z-Gate™ series are the most versatile accessories to the Z-Wave® users.

Features

- CPU: 400MHz MISPS SoC
- Flash NAND 8MB
- Memory DDR2 64MB
- WAN/LAN Port
- Z-Wave® dongle built-in with internal antenna
- WiFi (FG3200 only)
- Micro SD Slot (internal)
  [SD card support up to 64G maximum capacity]

Package Contents

FG2200

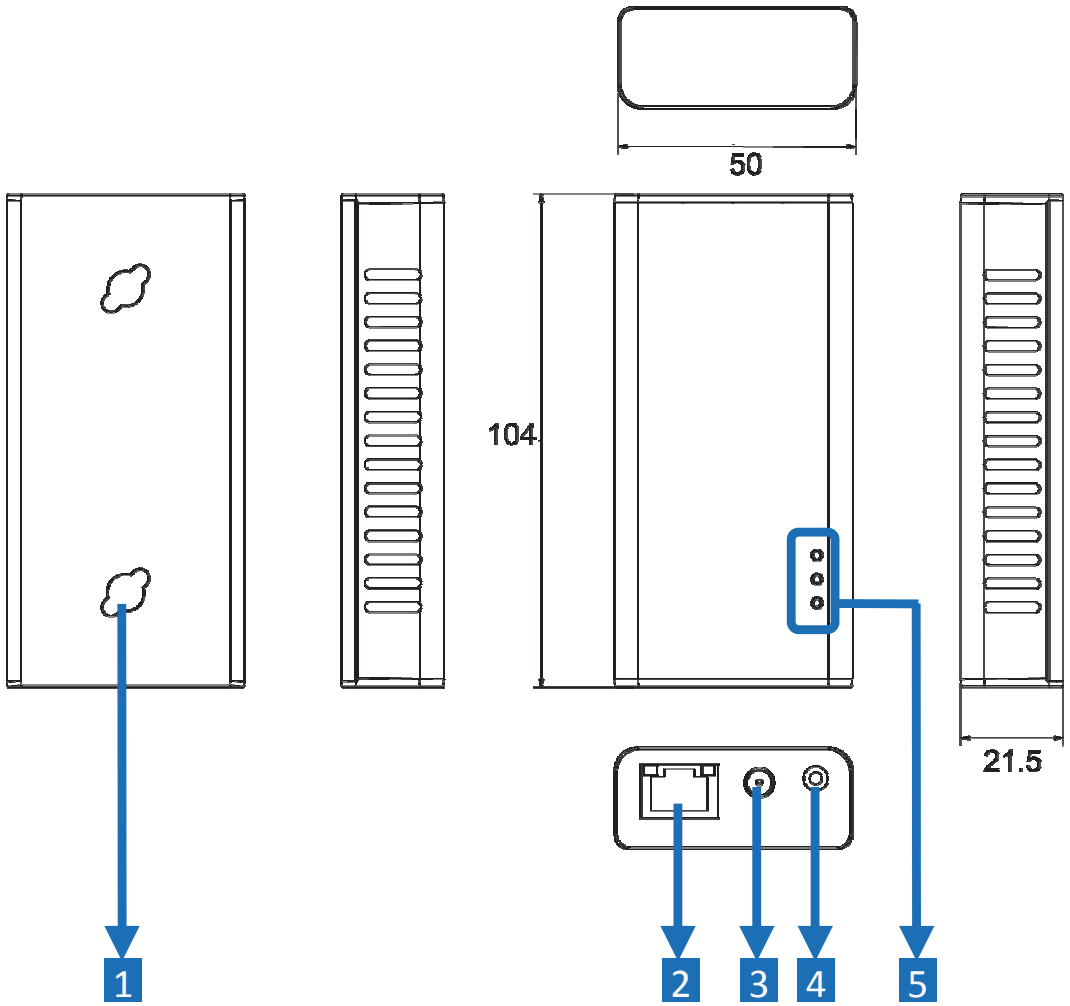
FG3200

Adapter

- Z-Gate™
- Built-in Antenna (FG3200 only)
- 5V/2.5A Adapter

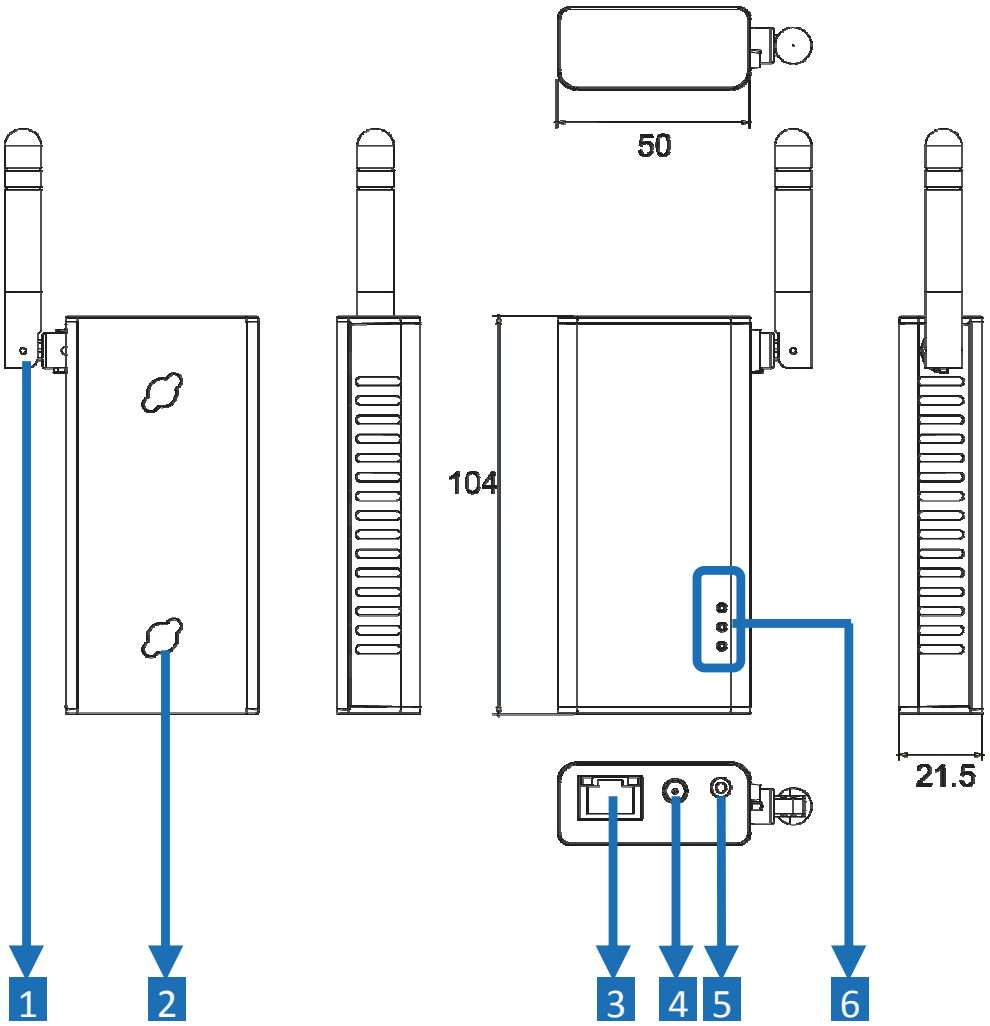
Product Overview

FG2200



Item	Description
1 Wall Mount Hole	Mounts the device to the wall
2 RJ45 port	Connects to an Ethernet
3 DC-in jack	Connects to the power adapter
4 Reset	Restores to the default settings
5 LED	Power (Red); LAN / WAN (Green); Z-Wave® (Blue)

FG3200



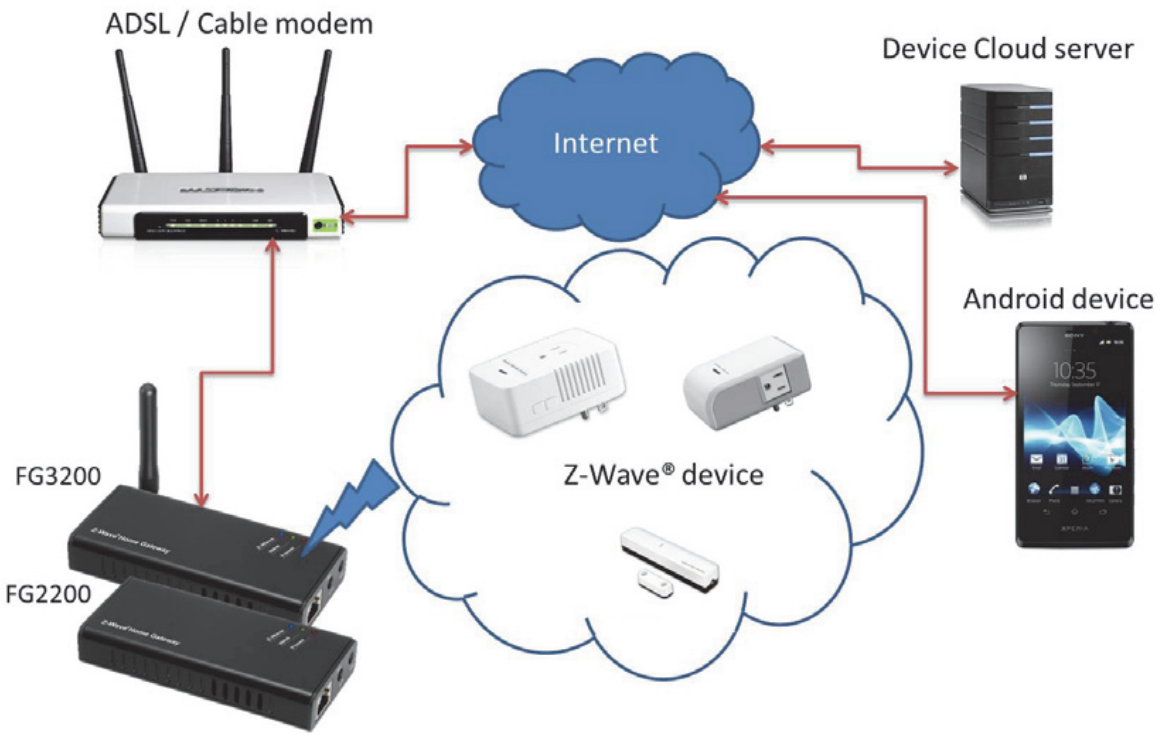
Item	Description
1 Antenna	2.4GHz Wi-Fi
2 Wall Mount Hole	Mounts the device to the wall
3 RJ45 port	Connects to an Ethernet
4 DC-in jack	Connects to the power adapter
5 Reset	Restores to the default settings
6 LED	Power (Red); LAN / WAN (Green); Z-Wave® (Blue)

Connection

Connect your Z-Gate™ with a router using your LAN cable and start the controller.

From now on Z-Gate™ will be visible to all devices within your local area network (LAN).

To make the connection with cell phone, Ethernet, and other Z-Wave® devices, please refer to the illustrations below.



Specification

FG2200

Main Function		
Core	CPU Clock Rate	400MHz
	DDR2 SDRAM	64M Bytes
	Flash	8M Bytes
Ethernet	Interface	RJ-45
	Standard	IEEE802.3
	Speed	10/100Mbps
	LAN	For Bridge or Wireless ISP Mode
	WAN	For Gateway Mode
Z-Wave®	RF Frequency	908.42 MHz (US)
		868.42 MHz(EU)
		922.5 MHz (JP)
	Data Rate	9.6 / 40 / 100kbit/s
	Output Power	-21…+2.5 dBm
	High Sensitivity (Typical Values)	-99 dBm @9.6 kbit/s
		-97 dBm @40 kbit/s
		-93 dBm @100 kbit/s
LED Indicator Display	Red	Power
	Green	LAN / WAN
	Blue	Z-Wave®

Micro SD Slot (Option)	TF Card	Support up to ver. 2.0 (SDHC)
		Compatible with ver. 3.0 (SDXC)
Power		
DC Jack	Input	5VDC
Power Adapter	Input	AC 100-240V
	Output	DC 5V/2.5A
Power Consumption	Normal Mode	1.15W
Housing		
Physical Properties	Material	ABS (Plastic)
	Dimension (L x W x H)	104 x 50 x 17.5 mm
	Weight	55.5g
Working Environment	Operation Temperature	0~60 degree
	Storage Temperature	-20~85 degree
	Relative Humidity	5~90% (Non-condensing)
Compliance		CE, FCC

FG3200

Main Function		
Core	CPU Clock Rate	400MHz
	DDR2 SDRAM	64M Bytes
	Flash	8M Bytes
Wireless	Wi-Fi Standard	IEEE 802.11 b/g/n Wireless Local Area Networks
	Wi-Fi Frequency Range	2.4G~2.5GHz
	Measured Data Rates	1 Mbps, 2 Mbps, 5.5 Mbps, 11 Mbps in 802.11b Modes
		6Mbps, 36Mbps, 48Mbps, 54Mbps in 802.11g Modes
		MCS0~MCS7 in both HT20 and HT40 in 802.11n Modes (up to 150Mbps)
	Measured Channels	2.412, 2.442, 2472GHz in 802.11 b/g and 802.11n HT20 modes
		2.422, 2.437, 2.452, in 802.11n HT40 mode
Ethernet	Interface	RJ-45
	Standard	IEEE802.3
	Speed	10/100Mbps
	LAN	For Bridge or Wireless ISP Mode
	WAN	For Gateway Mode

Z-Wave®	RF Frequency	908.42 MHz (US)
		868.42 MHz(EU)
		922.5 MHz (JP)
	Data Rate	9.6 / 40 / 100kbit/s
	Output Power	-21…+2.5 dBm
	High Sensitivity (Typical Values)	-99 dBm @9.6 kbit/s
		-97 dBm @40 kbit/s
		-93 dBm @100 kbit/s
LED Indicator Display	Red	Power
	Green	LAN / WAN
	Blue	Z-Wave®
Micro SD Slot (Option)	TF Card	Support up to ver. 2.0 (SDHC)
		Compatible with ver. 3.0 (SDXC)
Power		
DC Jack	Input	5VDC
Power Adapter	Input	AC 100-240V
	Output	DC 5V/2.5A
Power Consumption	Normal Mode	1.70W
Housing		
Physical Properties	Material	ABS (Plastic)
	Dimension	104(L) x 50(W) x 17.5(H) mm
	Weight	64.5g

Working Environment	Operation Temperature	0~60 degree
	Storage Temperature	-20~85 degree
	Relative Humidity	5~90% (Non-condensing)
Compliance		CE, FCC

Regulatory Compliance

FCC Conditions

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be so-located or operating in conjunction with any other antenna or transmitter.

2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

CE

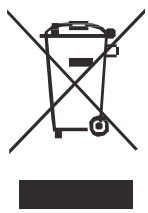
This equipment is in compliance with the requirements of the following regulations: EN 55 022: CLASS B

WEEE Information

For EU (European Union) member users: According to the WEEE (Waste electrical and electronic equipment) Directive, do not dispose of this product as household waste or commercial waste. Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.

Z-Gate™

User's Manual



V1.0