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VALCOM EZ-GW24 One Way Gateway



Product Information

ezIP 24 PORT ONE-WAY GATEWAY EZ-GW24

INTRODUCTION

The EZ-GW24 One-Way Gateway is designed for applications using analog 25 Volt, 45 Ohm or Self-Amplified speakers. The EZ-GW24 is ideal for modernizing existing analog paging systems. The EZ-GW24 One-Way Gateway supports 24 paging zones. The EZ-GW24 uses Valcom's ezIP protocol but can be upgraded to VIP protocol for compatibility with standard Valcom IP products.

SPECIFICATIONS

Features

- 24 Zone/Speaker Connections
- Zone output can be programmed for 25 Volt speakers, 45 Ohm speakers or Line Level
- RJ-45 for network connection
- Front panel activity LED
- Compatible with Valcom ezIP Protocol, upgradable to Valcom VIP Protocol

Dimensions/Weight

- 1 Standard 19" Rack Unit
- 1.75" H x 16.50" W x 15.0" D (4.5cm H x 41.9cm W x 38.1cm D)
- **Weight:** 6.20 lbs. (2.8 kg)

Nominal Specifications

- **Zone Outputs** 45 Ohm Impedance
- **Line Level Output** -10 dBm

Nominal Power Requirements

- 100-240Vac, 2.5A, 50/60Hz
- These products use an internal UL Listed power source rated 24VDC.

Environment

- **Temperature:** 0 to +40° C
- **Humidity:** 0 to 85% non-precipitating

Precautionary Designations

- **WARNING-**To Reduce The Risk Of Fire Or Electric Shock. Do Not Expose This Apparatus To Rain Or Moisture.
- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

CAUTION

- RISK OF ELECTRIC SHOCK
- DO NOT OPEN

CAUTION: To reduce the risk of electric shock,

- Do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.
- Do not expose this apparatus to rain or moisture. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

IMPORTANT SAFETY INFORMATION

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.

6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the provided plug does not fit into your outlet consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for a long period of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way. Such as when the power supply cord or plug is damaged, liquid has been spilled, objects have fallen into the apparatus or the apparatus has been exposed to rain or moisture and does not operate normally or has been dropped.

INSTALLATION

Mounting

- The EZ-GW24 is designed for rack mounting (1U).
- Confirm mounting brackets are firmly attached to the EZ-GW24. Place the EZ-GW24 into a standard 19" rack and secure to rack with proper hardware. (Figure 2)

Power Connections

Make sure all signal connections via the back panel are made and the EZ-GW24 is connected to the Ethernet switch, then connect the power cord to the AC power source.

A strain relief bracket is provided to secure the AC cord. (Figure 4)

Front Panel Connections (Figure 5)

Network Connection

- The EZ-GW24 has an RJ45 Ethernet network connection on the front panel.
- The Ethernet connector has two LEDs to indicate link speed and activity.
 - **Left LED** (Amber) **indicates Activity:** Flashing indicates packets sent/received
 - **Right LED** (Green) **indicates link:** On steady: Connected

Status LED

The Status LED on the front panel indicates the general status of the EZ-GW24. (Figure 5)

- **Off:** Indicates system startup or not powered on
- **Red Flashing:** Indicates system is ready

SPEAKER CABLING

- If this EZ-GW24 is installed to replace an existing page controller, please be aware the primary cause of troubles in retrofit systems is directly related to the existing field wiring.
- It is imperative that existing speaker wiring (field wiring) be assessed before making connections to new equipment.
- Always check speaker lines, new or existing, for transient voltage and proper impedance before cross connecting to the intercom equipment. Use a good quality Impedance Meter, not an Ohm meter.

The speaker type is selected in the software during programming, with the choices of 25 Volt, 45 Ohm or Line Level. All speakers must be of the same type and must not exceed the following limits:

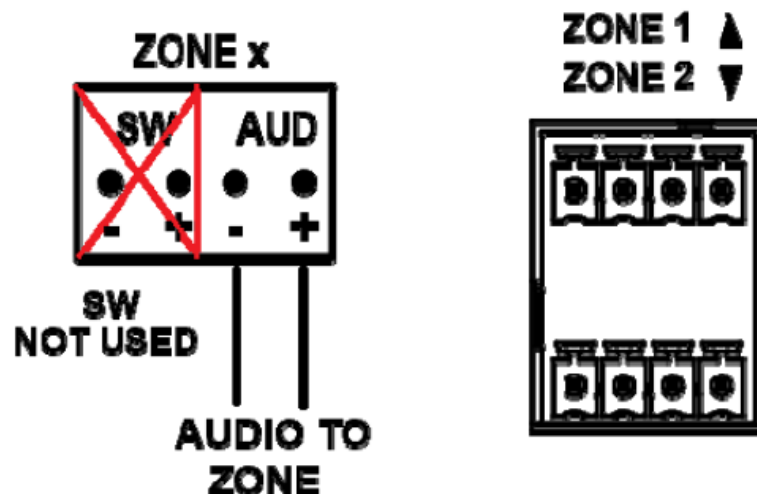
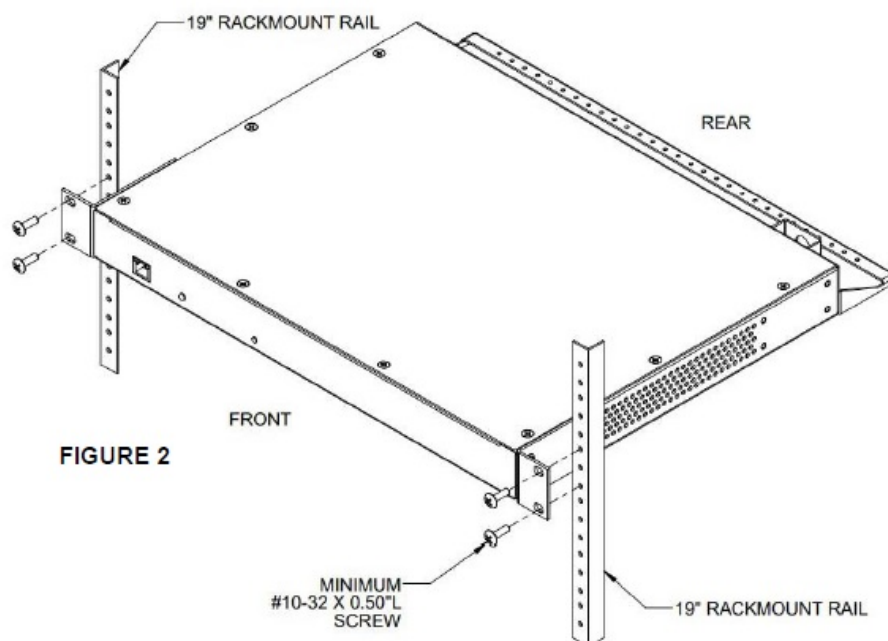
- **45 Ohm** Maximum of 5 Valcom 45 Ohm speakers per zone with no more than 24 across all zones

- **25 Volt** Total tap of 15 watts per zone with no more than 120 watts across all zones
- **One-Way Line Level** Maximum of 45 Valcom self-amplified speakers per zone and no more than 240 self-amplified speakers across all zones

Rear Panel Connections (Figure 1)

Speaker Zones 1 – 24 are individual connectors for speaker output. A wiring connection block with screw terminals is provided for each zone. The individual screw terminal blocks may be removed for easy installation. Each block has connections for two zones, with arrows indicating which zone is the top row and which is the bottom row. The connections labeled “SW” are not used. Details of the wiring connections are shown below.

FIGURE 1



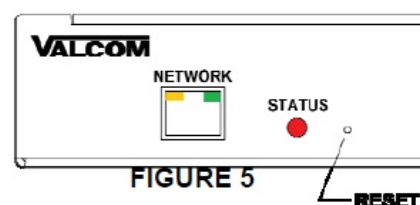
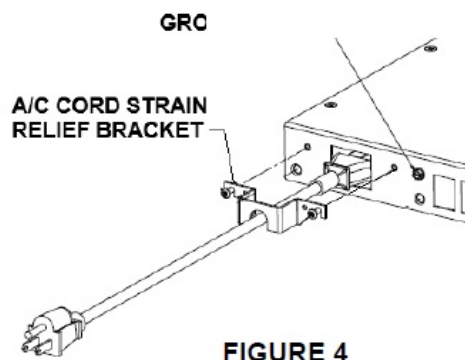
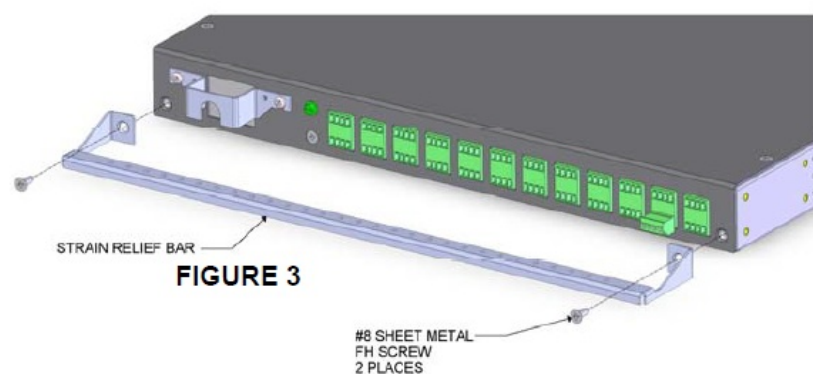
A strain relief bracket is provided to support the speaker wiring. The bracket must be attached to the rear of the EZ-GW24 by removing the two case screws on each end of the unit, positioning the bracket against the case, and reinstalling the screws. (Figure 3)

Setup

- Information specific to your application will need to be programmed into the EZ-GW24 using a computer. The PC used for programming should be connected to the same subnet as the EZ-GW24. Setup will be done using the IP Solutions Setup
- Tool. Download the latest version of the free IP Solutions Setup Tool from the Valcom website at www.valcom.com/vipsetuptool.

Factory Reset Modes

- A button is provided through a pinhole in the front of the EZ-GW24, beside the Status LED, that can be used to reset the EZ-GW24 configuration. Pressing the button continuously for 10 to 20 seconds will perform a soft reset on the EZ-GW24.
- The IP address will be reset to factory default. Other configuration items will not be affected.
- If the button is pressed for more than 20 seconds, all configuration items will be reset to factory default, including the password. (Figure 5)



TECHNICAL ASSISTANCE

When trouble is reported, verify power is being supplied to the unit and there are no broken connections. If a spare unit is available, substitute a spare unit for the suspected defective unit. Assistance in troubleshooting is available from the factory. Call [540-563-2000](tel:540-563-2000) and press 1 for Technical Support or visit our website at www.Valcom.com.

Valcom equipment is not field repairable. Valcom, Inc. maintains service facilities in Roanoke, VA. Should repairs be necessary, attach a tag to the unit clearly stating your company name, address, phone number, contact person and the nature of the problem. Send the unit to:

- Valcom, Inc.
- Repair & Return Dept.
- 5614 Hollins Road
- Roanoke, Va. 24019-5056



WARRANTY

Warranty information may be found on our website at www.valcom.com/warranty.


FCC Information

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference in which case the user will be required to correct the interference at his own expense.

Frequently Asked Questions

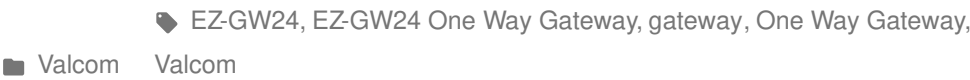
- **Q: Can I use this gateway with self-amplified speakers?**
 - A: Yes, the EZ-GW24 One-Way Gateway is designed to work with self-amplified speakers in addition to analog 25 Volt and 45 Ohm speakers.
- **Q: How many paging zones does the EZ-GW24 support?**
 - A: The EZ-GW24 supports up to 24 paging zones, allowing for versatile paging configurations.

Documents / Resources

	<p>VALCOM EZ-GW24 One Way Gateway [pdf] User Guide</p> <p>EZ-GW24, EZ-GW24 One Way Gateway, EZ-GW24, One Way Gateway, Gateway</p>
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References

- [User Manual](#)



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