

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.**
- **AVERTISSEMENT - Afin de réduire les risques d'incendie ou de décharge électrique, évitez d'exposer le système à la pluie ou à l'humidité.**
- **Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.**
- **L'appareil ne doit pas être exposé à des égouttements et éclaboussures et aucun Objet Rempli de liquide, comme vase, ne doit être placé sur l'appareil.**



IMPORTANT SAFETY INFORMATION

CONSIGNES DE SÉCURITÉ IMPORTANTES

1. Read these instructions.
Lisez ces instructions.
2. Keep these instructions.
Conservez ces instructions.
3. Heed all warnings.
Respectez tous les avertissements.
4. Follow all instructions.
Suivez toutes les instructions.
5. Do not use this apparatus near water.
Ne pas utiliser cet appareil près de l'eau.
6. Clean only with dry cloth.
Nettoyer avec un chiffon sec.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
Ne pas bloquer les ouvertures de ventilation. Installer conformément aux instructions du fabricant.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
Ne pas installer à proximité de sources de chaleur telles que radiateurs, registres de chaleur, poêles ou autres appareils (y compris les amplificateurs) produisant de la chaleur.
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.
Ne pas contourner le dispositif de sécurité de la fiche polarisée ou de mise à la terre. Une fiche polarisée possède deux lames dont une plus large que l'autre. Une fiche de terre a deux lames et une troisième broche de mise à la terre. La lame large et la troisième broche sont fournies pour votre sécurité. Si la fiche fournie ne rentre pas dans votre prise, veuillez consulter un électricien pour le remplacement de la prise obsolète.
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.
N'utilisez que des fixations / accessoires spécifiés par le fabricant.
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.
Utilisez uniquement avec le chariot, stand, trépied, support ou table spécifié par le fabricant ou vendu avec l'appareil. Quand un chariot est utilisé, Soyez prudent lorsque vous déplacez l'ensemble chariot / appareil pour éviter des blessures dues au renversement.
13. Unplug this apparatus during lightning storms or when unused for a long period of time.
Débranchez cet appareil pendant les orages ou lorsqu'il n'est pas utilisé pendant une longue période de temps.
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.
Confiez toute réparation à un personnel qualifié. Une réparation est nécessaire lorsque l'appareil a été endommagé de quelque façon. Par exemple lorsque le cordon d'alimentation ou la fiche est endommagé, du liquide a été renversé, si des objets sont tombés dans l'appareil ou le appareil a été exposé à la pluie ou à l'humidité et ne fonctionne pas normalement ou s'il est tombé.



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.

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.

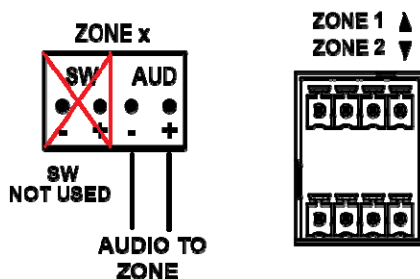
Always check speaker lines, new or existing, for transient voltage and proper impedance before cross connecting to the intercom equipment. Use a good quality **Impedance Meter**, not an Ohm meter.

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.



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 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.



FIGURE 1

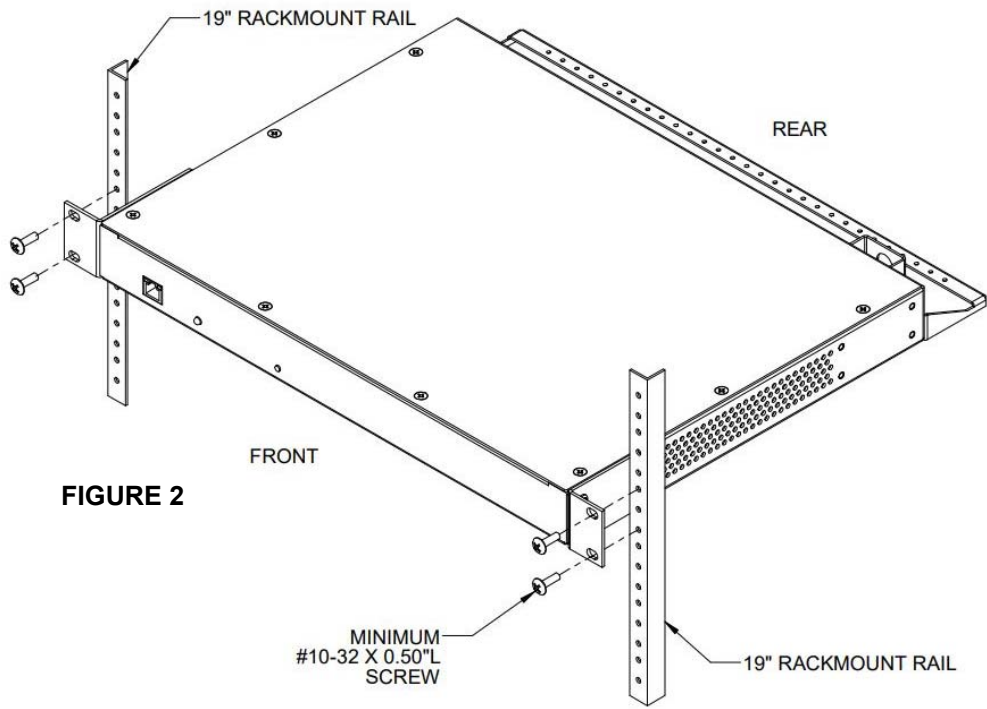


FIGURE 2

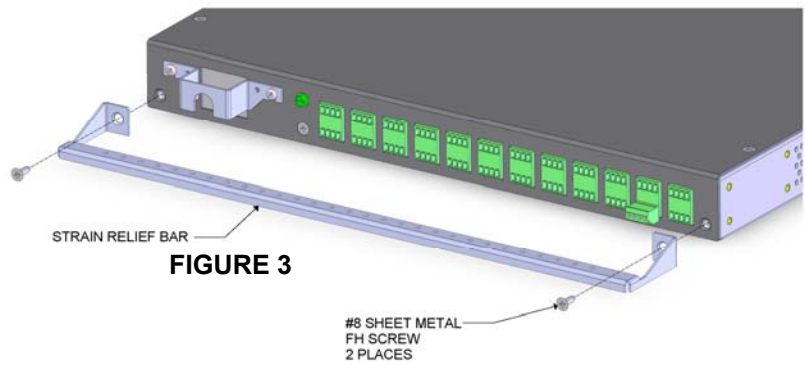


FIGURE 3

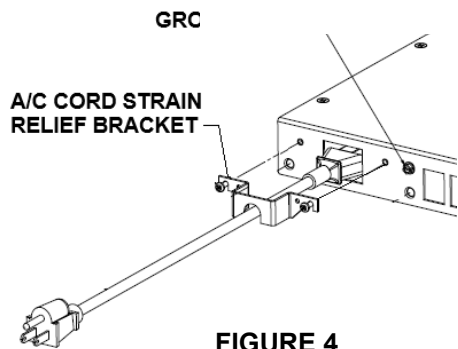


FIGURE 4

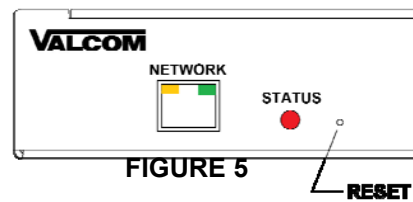


FIGURE 5