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.**

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.

FCC Information

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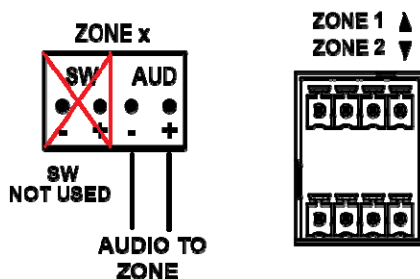
A strain relief bracket is provided to support the speaker wiring. The bracket must be attached to the rear of the EZ-GW24 by removing the two case screws on each end of the unit, positioning the bracket against the case, and reinstalling the screws. (Figure 3)

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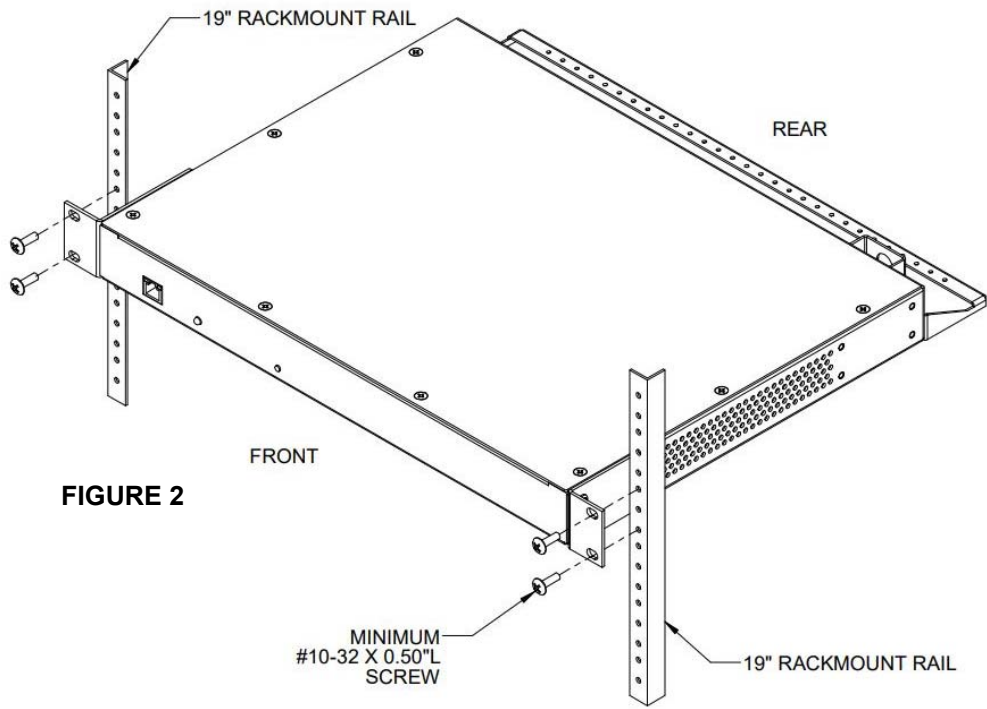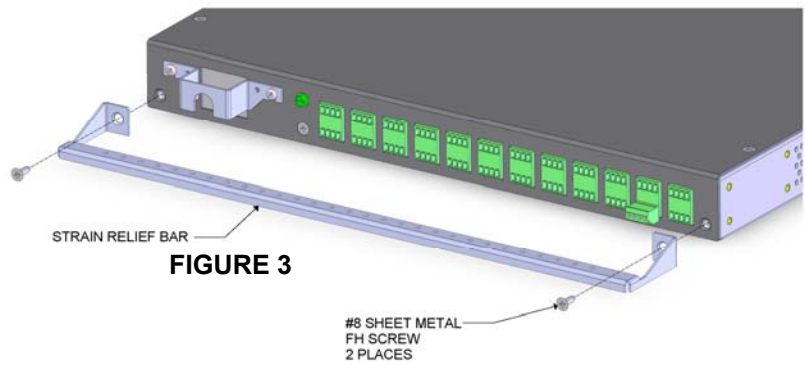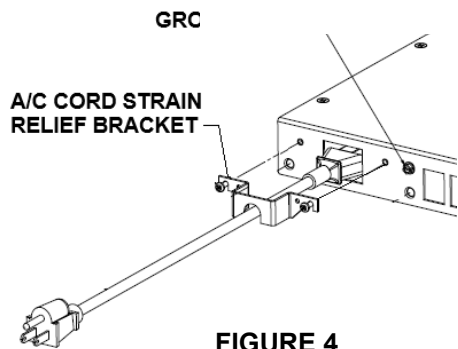Warranty information may be found on our website at www.valcom.com/warranty.

FIGURE 1

19" RACKMOUNT RAIL

REAR

FRONT

FIGURE 2

MINIMUM
#10-32 X 0.50"L
SCREW

19" RACKMOUNT RAIL

STRAIN RELIEF BAR

FIGURE 3

#8 SHEET METAL
FH SCREW
2 PLACES

GRC

A/C CORD STRAIN
RELIEF BRACKET

FIGURE 4

VALCOM

NETWORK

STATUS

FIGURE 5

RESET

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