

ezIP PoE ONE-WAY HORN EZ-HR5

INTRODUCTION

The EZ-HR5 ezIP PoE One-Way Horn is a self-contained paging system which enables voice paging over an IP network. The EZ-HR5 consists of a high efficiency horn and a Network Interface allowing stand-alone capability when used with a SIP telephone system or can be accessed from a Valcom ezIP Page Controller, ezIP Interactive Console, or by ezIP Page Group. The EZ-HR5 is available in three colors, Beige, Gray and Marine White. The Marine version features additional weather protection.

SPECIFICATIONS

Access Methods

- SIP – enabled telephone system
- Valcom ezIP Page Controller
- Valcom ezIP Interactive Console
- Valcom ezIP Multicast Page Group

Features

- RJ-45 network connection
- Network activity LEDs
- Power over Ethernet (PoE) 802.3af compatible
- O-ring seal on bell housing (Marine model only)
- Stainless steel hardware (Marine model only)
- Upgradable to full Valcom IP capability

Ordering Part Names

- EZ-HR5-GY for Gray Horn
- EZ-HR5-BGE for Beige Horn
- EZ-HR5-W for Marine White Horn

Dimensions/Weight

Horn

- 7.38" H x 10.0" W x 10.4" D
(18.75cm x 25.4cm x 26.42cm)
- Weight: 5.60 lbs. (2.54 kg)

Network Interface

- 1.62" H x 5.63" W x 3.45" D
(4.11 cm) x (14.30 cm) x (8.73 cm)
with brackets – 8.22" W (20.87 cm)
- Weight: 2.10 lbs. (0.95 kg)



Nominal Power Requirements

Via 802.3af PoE Ethernet Switch:

Class 3

Environment

Network Interface:

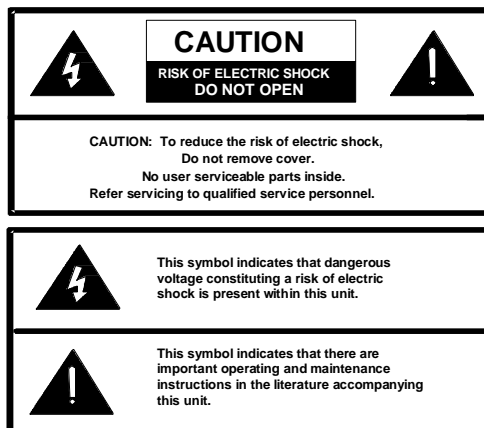
Temperature: 0 to +40° C
Humidity: 0 to 85% non-precipitating
PSE (Power Sourcing Equipment) to be compliant to IEEE 802.3af
Indoor installation only

Horn:

Temperature: -20 to +55° C
Humidity: 0 to 95% non-condensing
Suitable for indoor or outdoor installation

INSTALLATION

Precautionary Designations



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.
Protégez le cordon d'alimentation de ne pas être piétiné ou pincé, en particulier aux prises, aux prises de courant et au point où le cordon sort de l'appareil.
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.

Mounting (Network Interface)

The Network Interface is designed for wall or shelf mounting and must be within 100 meters of the network switch.

Mounting (Horn)

The EZ-HR5 Horn is designed for most FD electrical box or wall mounting and must be within 350 feet of the EZ-HR5 Network Interface. See NEMA OS 3-2002 sec.1.2.3.5 for FD box specifications.

These horns should be mounted 15 to 20 feet above the floor to allow for best sound distribution. The units can be mounted to a wall, a beam or an electrical box.

- A “C” clamp is provided with the horns to allow mounting to a beam.
NOTE: The audio signal cable that connects the horn to the Network Interface is routed through the mounting base and terminated with an RJ45 connector during manufacturing. If mounting to a beam using the included “C” clamp, the RJ45 connector will need to be removed to pull the signal cable out of the mounting base. Reinstall an RJ45 connector on the signal cable after mounting, using the T568B pinout scheme. See Figure 1. Alternatively, an electrical box may be used between the mounting base and C clamp to allow room for the cable to exit the mounting base (not illustrated).
- The base has holes punched for a double-gang square box, but by punching out additional knockout holes, the base can be mounted to a single-gang or octagon box. See Figure 2.
- Mount the base to wall studs using the two holes provided. Knockout holes are provided for punch out should additional holes be desired. See Figure 3.

The horn may be rotated or moved up and down to obtain the desired position by loosening the position adjustment knob at the bottom of the unit approximately one turn. Make required adjustments and re-tighten knob.

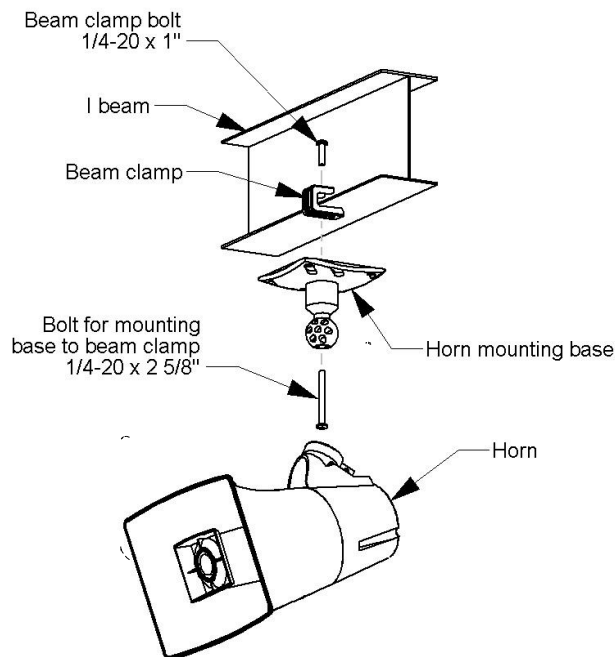


Figure 1. Mounting to a Beam with a "C" Clamp

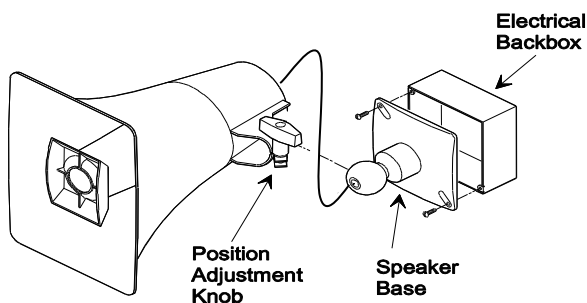


Figure 2. Mounting to an Electrical Backbox

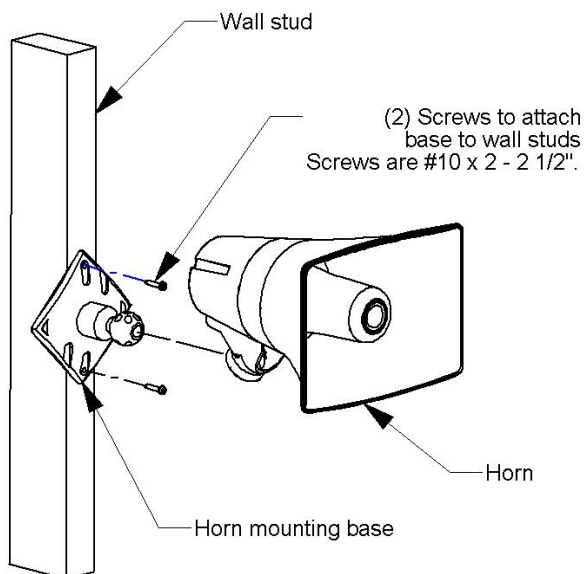


Figure 3. Mounting to a Wall Stud

Power Connections

The only method of powering the EZ-HR5 IP PoE Horn is via a Power over Ethernet (PoE) switch or power injector meeting the 802.3af specification.

Make all required signal connections before connecting to the Ethernet switch or power injector meeting the 802.3af specification. Power is supplied to the horn assembly via the Network Interface.

Network Connection

The Network Interface has one RJ-45 network connector. Use a standard Ethernet patch cable to connect the Network Interface to an Ethernet switch.

Status Indicator Lights

The EZ-HR5 Network Interface has 2 status indication lights located on network jack:

Green LED: (Link) Indicates Ethernet connection when illuminated.

Yellow LED: (Activity) Indicator flashes to indicate network activity.

Signal Connections

Audio output connection is made from the Signal Output. The RJ-45 connector on the horn is connected directly to the RJ-45 Signal Output socket on the IP Link. If additional length is required, any standard T568B extension may be used. See Figure 4.

Operation:

Provide paging via SIP or Valcom ezIP Page Controller, ezIP Interactive Console or ezIP Page Group.

Setup

Information specific to your application will need to be programmed into the EZ-HR5 using a computer. The PC used for programming would be connected to the same subnet as the EZ-HR5. Setup will be done using the Valcom IP Solutions Setup Tool. The IP Solutions Setup Tool may be downloaded from the Valcom website at www.valcom.com.

TECHNICAL ASSISTANCE

Assistance is available from the factory.
Call (540) 563-2000 and press 1 for Technical
Support or visit our website at
<http://www.valcom.com>.

Warranty

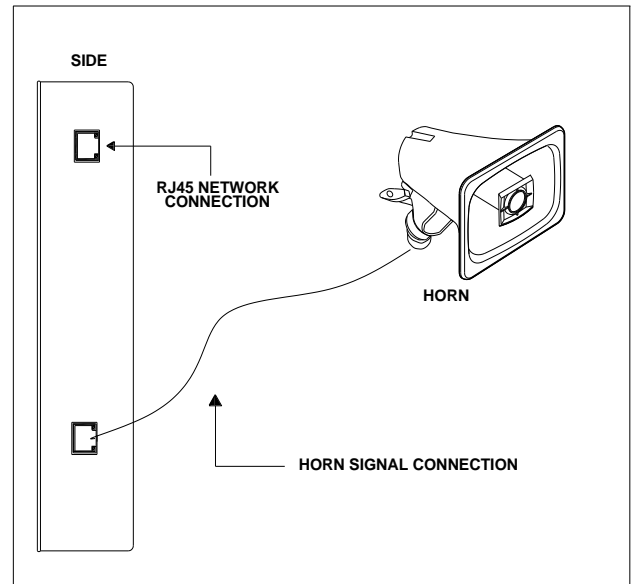
Warranty information may be found on our website
at www.valcom.com/warranty

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

Information provided is subject to change

Typical Connection



Extended Wiring Connection

