Issue 1

ezIP ONE-WAY FLEX HORN
EZ-HRF

INTRODUCTION

The EZ-HRF ezIP One-Way Flex Horn enables paging over an IP network. The EZ-HRF consists of a high efficiency horn and a Network Interface for 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-HRF is available in three colors, Beige, Gray and White.

SPECIFICATIONS

Access Methods

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

Features

- Upgradable to full Valcom IP capability, including talkback communication
- RJ-45 for network connection
- Network activity LEDs
- Power over Ethernet (PoE) 802.3af compatible

Dimensions/Weight

Horn

- 6.80” H x 8.30” W x 3.30” D (17.27 cm) x (21.08 cm) x (8.38 cm)
- Weight: 2.10 lbs. (0.95 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)

Ordering Part Names

- EZ-HRF-GY for Gray Horn
- EZ-HRF-BGE for Beige Horn
- EZ-HRF-W for White Horn

Nominal Power Requirements

Via 802.3af PoE Ethernet Switch: Class 3

Environment

Network Interface:

Temperature: 0 to +40° C

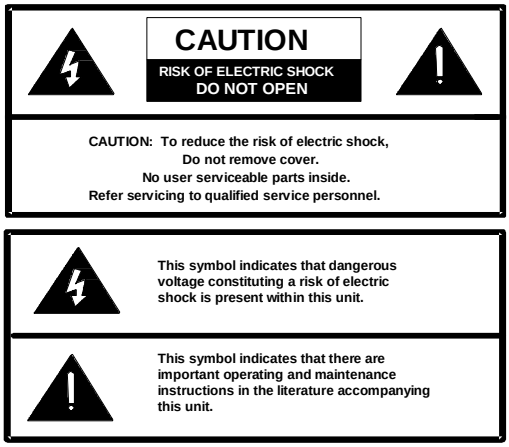
Humidity: 0 to 85% non-precipitating

Indoor installation only

Horn:

Suitable for indoor or outdoor installation

Precautionary Designations



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 (Network Interface)

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

Wall: Using the wood screws provided, secure the Network Interface to the wall.

Mounting (Horn)

Flush Mount using Mounting Screws

The cardboard packing material in which the horn is shipped also serves as the template for flush mounting. Using the template, mark location of opening and mounting holes on wall. Drill holes appropriate to mounting hardware and cut out the opening. Make appropriate wiring connections and test the speaker for operation. Using appropriate mounting screws (not furnished) drill and mount the flange as shown.

UNIVERSAL BRACKET

Loosen or separate the universal bracket leaves by loosening or removing the handle and hardware. Using the back leaf as a template, mark the wall through the mounting holes. Drill and mount to the wall using appropriate screws (not furnished) or mount directly to a junction box. Mount the T-bracket to the back of the horn as shown using the (2) ½ inch screws provided.

"C" CLAMP FOR "I" BEAM MOUNTING

A "C" clamp is provided with the horns to allow mounting to a beam. Place the bolt through the hole in the bottom of the base to secure the "C" clamp to the beam. It is suggested that the horn be mounted to the underside of the "I" beam to provide maximum positioning adjustments. Mount "C" clamp with (2) ½ inch screws provided.

Power Connections

The only method of powering the Network Interface is via a Power over Ethernet (PoE) switch or power injector meeting the 802.3af specification.
Make all required signal connections before connecting to Ethernet switch or power injector meeting the 802.3af specification.

Network Connection

The Network Interface has one RJ-45 network connector and one RJ-45 horn connector. Use standard Ethernet patch cable to connect the NETWORK connector of the Network Interface to a PoE Ethernet switch.

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. See Figure 1.

If additional length is required, any standard T568B extension may be used. See Figure 2.

If required, a normally open call button may be connected to the white blue pair (pins 4 and 5) of the Horn RJ-45 connector. See Figure 2.
NOTE: Call switch and talkback functions require the Valcom Talkback Upgrade license.

Status Indicator Lights

The EZ-HRF Network Interface has 2 status indication lights on the front panel:

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

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

Setup

Information specific to your application will need to be programmed into the EZ-HRF using a computer. The PC used for programming should be connected to the same subnet as the EZ-HRF. Setup will be done using the VIP-102B IP Solutions Setup Tool. Download the latest version of the free IP Solutions Setup Tool from the Valcom web site at www.valcom.com/vipsetuptool.

TECHNICAL ASSISTANCE

Assistance in troubleshooting 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

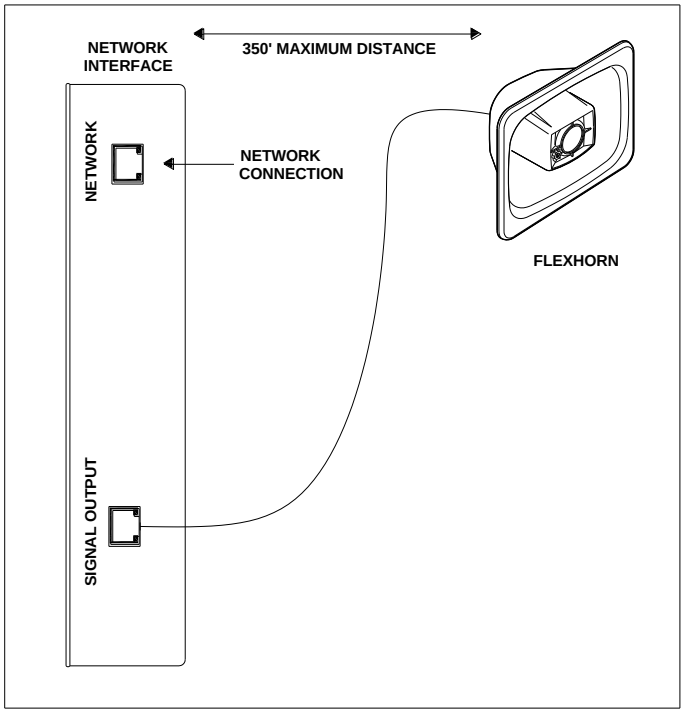


Figure 1

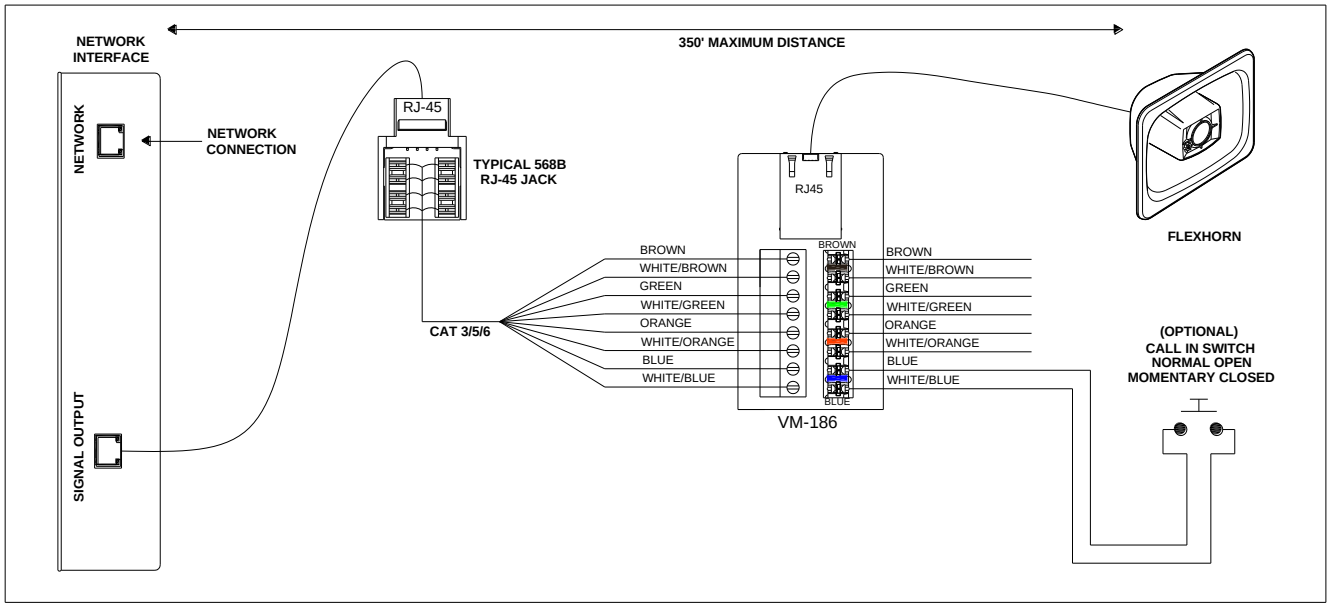
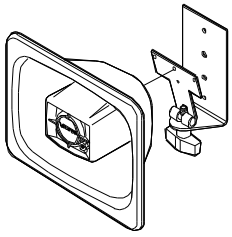
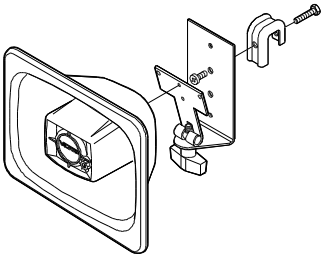


FIGURE 2

UNIVERSAL BRACKET

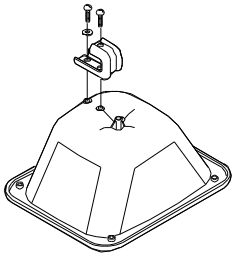


SURFACE MOUNTED WITH A
UNIVERSAL MOUNTING BRACKET

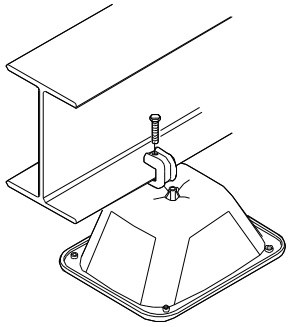


UNIVERSAL BRACKET WITH CLAMP

"C" CLAMP FOR "I" BEAM MOUNTING

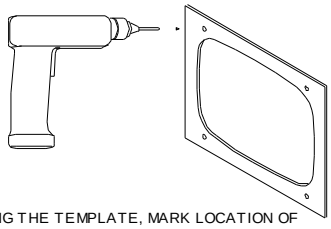


ATTACH CLAMP TO HORN

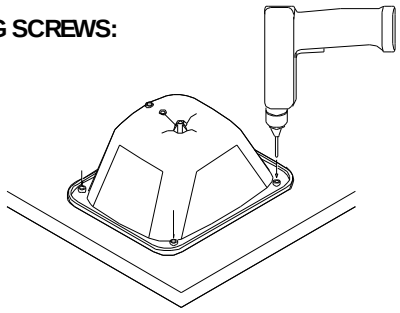


ATTACH FLEXHORN TO BEAM

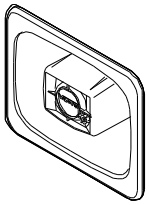
FLUSH MOUNT USING MOUNTING SCREWS:



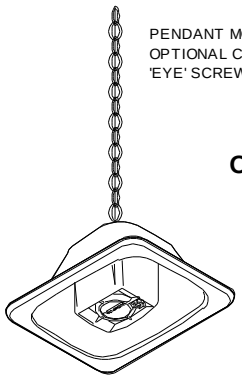
USING THE TEMPLATE, MARK LOCATION OF OPENING AND MOUNTING HOLES ON WALL. DRILL HOLES APPROPRIATE TO MOUNTING HARDWARE AND CUT OUT THE OPENING.



HOLDING FLEXHORN FIRMLY AGAINST A FLAT SURFACE, DRILL THROUGH EACH MOUNTING BOSS AS SHOWN.

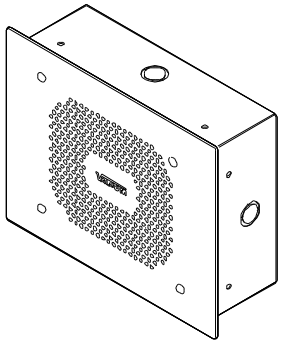


FLUSH MOUNTING IN A STUD WALL INSTALLED WITH MOUNTING SCREWS OR CONSTRUCTION CEMENT.



PENDANT MOUNTING WITH
OPTIONAL CHAIN AND
'EYE' SCREW

OTHER MOUNTING OPTIONS:



OPTIONAL V-9805
VANDAL RESISTANT ENCLOSURE