VIP-130AL
IP PoE ONE-WAY HORN

INTRODUCTION

The VIP-130AL IP PoE One-Way Horn is a self contained paging system which enables voice paging over an IP network. The VIP-130AL 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 variety of Valcom managed VoIP products. The VIP-130AL is available in three colors, Beige (-BGE), Gray (-GY) and Marine White (-W). The Marine version features additional weather protection.

SPECIFICATIONS

Access Methods

- PBX, FXO Port w/VIP-811
- POTS telephone set w/VIP-811
- PBX, FXS Port w/VIP-821
- Valcom M Cast Page Group
- SIP telephone system

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)

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
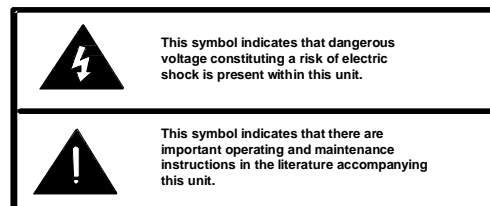PSE: (Power Sourcing Equipment) to be compliant to IEEE 802.3af

Horn:

Temperature: -20 to +55° C
Humidity: 0 to 95% non-condensing

Packing List

Qty	Item
1	Network Interface
1	VIP-130AL Horn
1	VSP Document

INSTALLATION

Precautionary Designations

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.

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

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 300 feet of the network switch.

Mounting (Horn)

The VIP-130AL Horn is designed for most FD electrical box or wall mounting and must be within 350 feet of the VIP-130AL Network Interface. See NEMA OS 3-2002 sec.1.2.3.5 for FD box specifications.

Attaching Speaker to Base

NOTE: For ease of installation, the base can be attached to the speaker before or after the base is mounted.

- Loosen position adjustment knob
- Insert the ball of the base into the socket of the speaker
- Tighten the position adjustment knob

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. When using the "C" clamp for mounting, remove the signal cable from the ball mount. Reinstall an RJ45 connector on the signal cable after mounting, using the T568B pinout scheme. See Figure 1.

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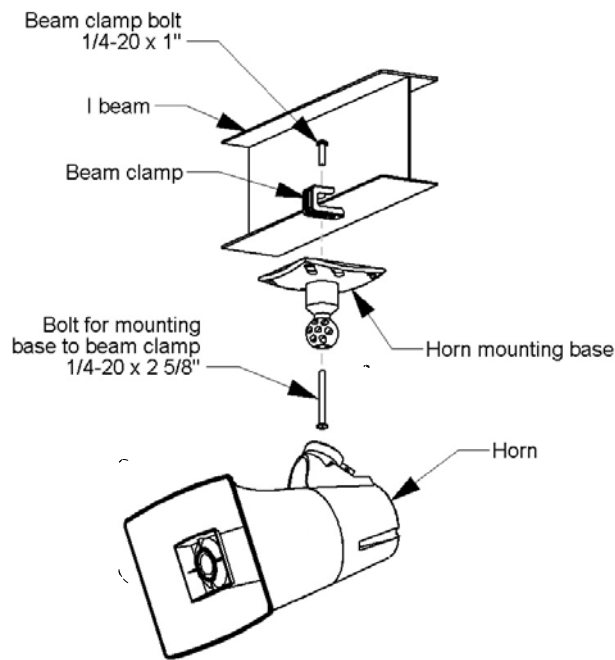
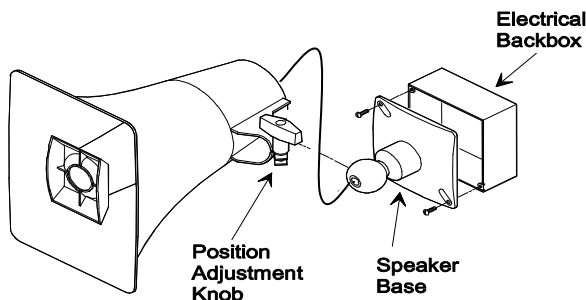**Figure 1. Mounting to a Beam with a "C" Clamp**

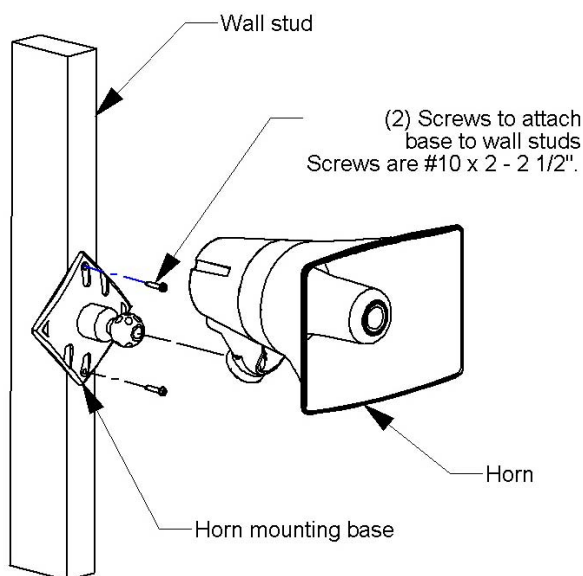

Figure 2. Mounting to an Electrical Backbox

Figure 3. Mounting to a Wall Stud

Interconnections

The only method of powering the VIP-130AL 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.

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.

Status Indicator Lights

The VIP-130AL 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.

Operation:

Provide paging via SIP or via a variety of Valcom managed VoIP products. Integration to customer telephone system can be via SIP registration, FXO port (with VIP-811), or FXS port (with VIP-821).

Setup

Information specific to your application will need to be programmed into the VIP-130AL using a computer. The PC used for programming would be connected to the same subnet as the VIP-130AL. Setup will be done using the IP Solutions Setup Tool. The IP Solutions Setup Tool may be downloaded from the Valcom website at www.valcom.com.

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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.

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

VALCOM LIMITED WARRANTY

Valcom, Inc. warrants its products only to the original purchaser, for its own use, to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. This Limited Warranty obligation shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Valcom, Inc. indicates the validity of the claim;
2. the defect is not the result of damage, misuse or negligence after the original shipment;
3. the product has not been altered in any way or repaired by others and that factory sealed units are unopened (a service charge plus parts and labor will be applied to units defaced or physically damaged);
4. freight charges for the return of products to Valcom are prepaid;
5. all units 'out of warranty' are subject to a service charge. The service charge will cover minor repairs (major repairs will be subject to additional charges for parts and labor).

This Limited Warranty is in lieu of and excludes all other warranties, expressed or implied and in no event shall Valcom, Inc. be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation, maintenance, installation, removal or use of the product. The maximum liability of Valcom under this warranty is limited to the purchase price of the specific Product covered by the warranty.

Disclaimer. Except for the Limited Warranty provided herein, the product is provided "as-is" without any warranty of any kind whatsoever including, without limitation, any **WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT.**

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.

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SIDE

RJ45 NETWORK
CONNECTION

HORN

HORN SIGNAL CONNECTION

SIDE

RJ45 NETWORK
CONNECTION

RJ-45

Typical 568B
RJ-45 Jack

CAT 3/5/6

BROWN	BROWN
WHITE/BROWN	WHITE/BROWN
GREEN	GREEN
WHITE/GREEN	WHITE/GREEN
ORANGE	ORANGE
WHITE/ORANGE	WHITE/ORANGE
BLUE	BLUE
WHITE/BLUE	WHITE/BLUE

VM-186

RJ45

HORN

STANDARD
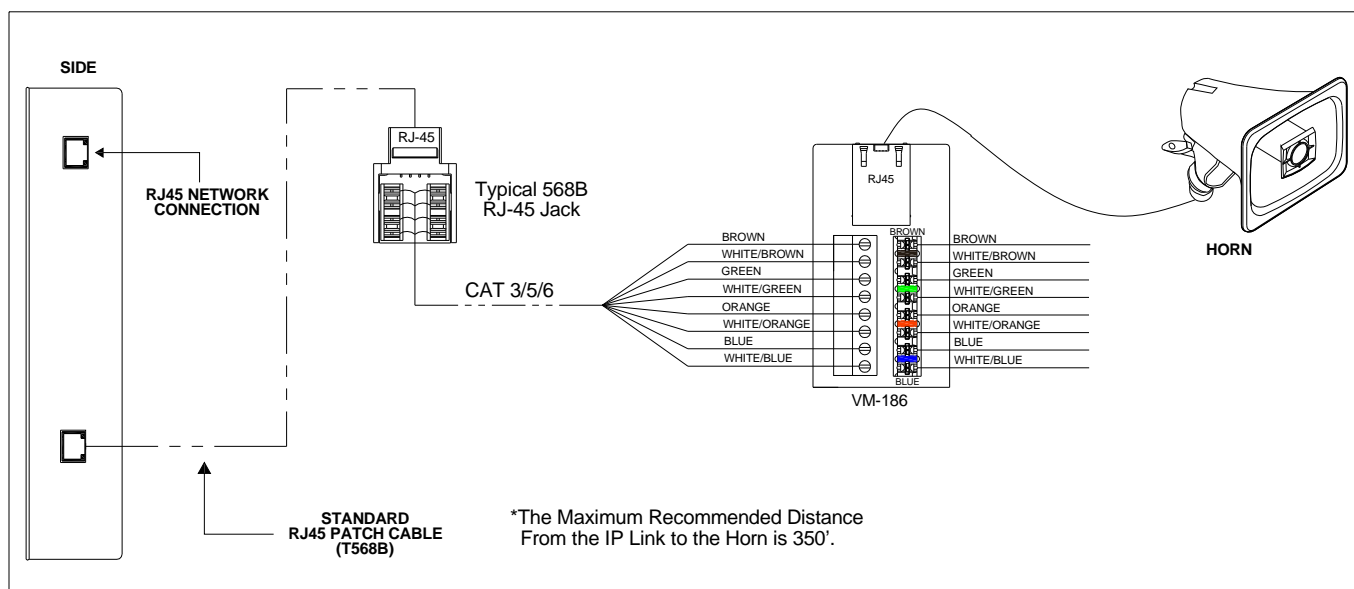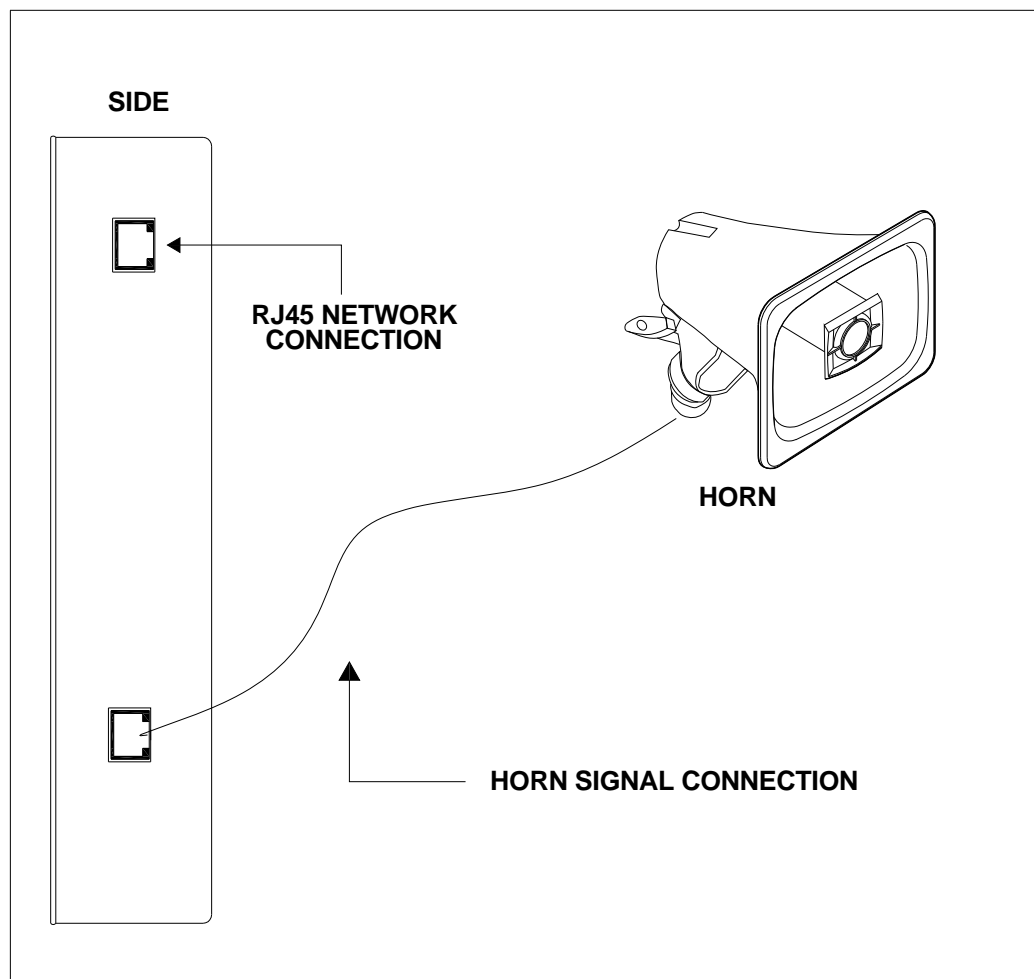RJ45 PATCH CABLE
(T568B)

*The Maximum Recommended Distance
From the IP Link to the Horn is 350'.

Figure 4. Audio Connections