

VIP-9890A-EM Vandal Resistant IP Emergency Talkback Call Station

INTRODUCTION

The VIP-9890A-EM IP Emergency Talkback Call Station allows communication to Valcom FXS units and SIP-enabled telephone systems via an IP network. The VIP-9890A-EM combines a rugged talkback paging horn with a vandal-resistant enclosure, which is ideally suited for interior environments.



SPECIFICATIONS

Access Methods

- PBX, FXO Port via Valcom FXS Network Station Port
- POTS telephone set via Valcom FXS Network Station Port
- PBX, FXS Port via Valcom FXO Network Trunk Port
- Valcom Multicast Page Group
- SIP – enabled telephone system

Features

- RJ-45 for network connection
- 1 Form C relay output
- Network activity LEDs
- Power over Ethernet (PoE) 802.3af compatible

Dimensions/Weight

Speaker Assembly / Backbox:

- 10.0" H x 12.5" W x 4" D (25.4cm H x 31.75cm W x 10.2cm D)
- Weight: 10.75lbs. (4.89 kg)

Nominal Specifications

Horn Impedance: 45 Ohms
Output Level: 100 dB @ 4' on axis
Relay Current: 1 Amp @ 24VDC

Nominal Power Requirements

Via 802.3af (PoE) Ethernet Switch Class 3

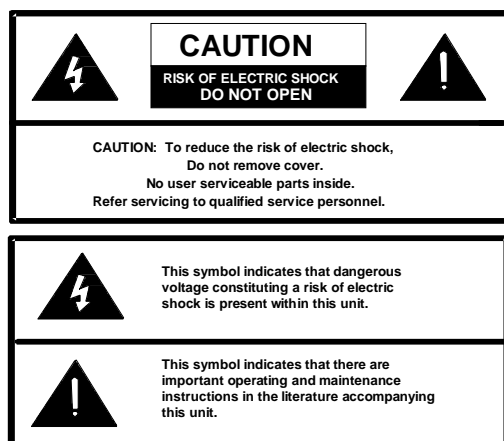
Environment

Temperature: 0 to +40° C
Humidity: 0 to 85% non-precipitating
Suitable for indoor installation

Packing List

Qty	Item
1	VIP-9890A-EM Call Station
1	VSP Document
4	Tamper Resistant Hardware

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

Operation:

The VIP-9890A-EM provides talkback access via network connection to customer telephone system or stand alone telephone set. Interface to customer telephone system can be via SIP registration to a Voice over IP (VoIP) telephone system, FXO port (when used with a Valcom FXS Network Station Port), or FXS port (where used with a Valcom FXO Network Trunk Port). Pressing the call button on the speaker assembly initiates a call to a user-specified telephone number, and the call assurance LED behind the intercom unit face plate begins to flash. When the call is answered, a hands-free communications path is established to the speaker, and the call assurance LED behind the face plate remains lit. The form C relay included with the VIP-9890A-EM may be activated by pressing the # key on the answering telephone, with the relay typically being used to activate door entry equipment.

Mounting

For enhanced protection against static electrical discharge, it is recommended the VIP-9890A-EM Speaker Enclosure be installed onto a grounded electrical box, if surface mounted, ground box to local ground.

The VIP-9890A-EM speaker enclosure is designed for double gang FD electrical box mounting and must be within 100 meters of the network switch.

Remove the speaker assembly from the packing container. Using a Phillips screwdriver, remove the two screws securing the front grille to the enclosure. Unplug the patch cable connecting the speaker to the network board Signal Output RJ-45 jack to allow removal of grille/speaker assembly. Pre-drilled 13/64" mounting holes in the back of the enclosure are designed to fit a single gang, double gang or octagon outlet box. If not attaching to an outlet box, use the enclosure as a template. Hold the enclosure in the desired position on the wall and mark the location of mounting holes. Depending on wall construction type, prepare the mounting hole locations on the wall to securely attach the enclosure.

Wiring may be inserted through the large hole in the back of the enclosure, or through the knockout hole in the top of the enclosure. Insert wiring for network connections and relay connections (if used) through desired hole. Use mounting hardware (not included) appropriate for the wall type to securely mount the enclosure to the wall.

After making all connections, align the grille/speaker assembly with the enclosure. Install the four supplied tamper-resistant screws through the grille into the enclosure. Use a 1/8" security hex bit to tighten the screws securely.

Power Connections

The only method of powering a VIP-9890A-EM is via a Power over Ethernet (PoE) switch or power injector meeting the 802.3af specification.

Make all required connections before connecting to Ethernet switch or power injector meeting the 802.3af specification.

Network Board Connections

The VIP-9890A-EM network board has one RJ-45 NETWORK connector and one RJ-45 Signal Output connector. Use a standard Ethernet patch cable to connect the NETWORK connector of the VIP-9890A-EM network board to an Ethernet switch. A patch cable is provided that connects the Signal Output connector to the speaker board RJ-45 connector.

Door Relay Connections

Access to the form C relay is provided via a three pin screw terminal block on the VIP-9890A-EM speaker. The common contact is the middle terminal. The Normally Open contact is on the side labeled NO, the Normally Closed contact is labeled NC.

Status Indicator Lights

The VIP-9890A-EM network board has 2 status indication lights on the Ethernet connector:

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 VIP-9890A-EM using a computer. The PC used for programming should be connected to the same subnet as the VIP-9890A-EM.

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.

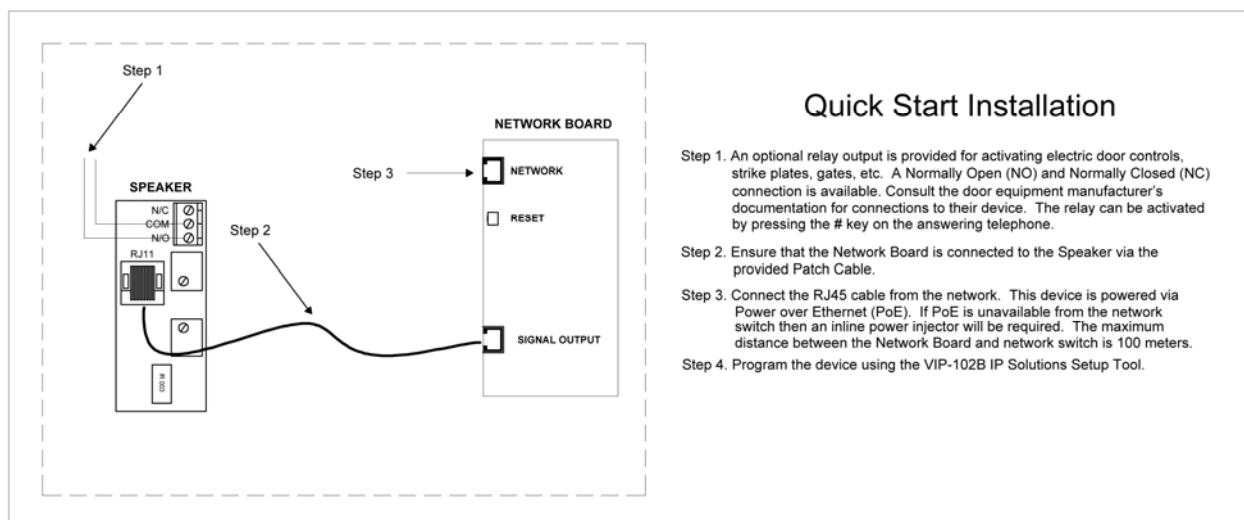
TECHNICAL ASSISTANCE

Assistance in troubleshooting is available from the factory. Call (540) 563-2000 and press 1 for Technical Support or via email at support@valcom.com.

When requesting assistance, you should include all available information. Information and troubleshooting procedures are available on the Valcom 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**



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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