

## VIP-581A-IC InformaCast® Compliant IP FlexHorn Surface Mount

### INTRODUCTION

The VIP-581A-IC InformaCast Compliant IP FlexHorn Surface Mount units enable loudspeaker voice paging anywhere on an Ethernet network. The VIP-581A-IC consists of a network-connected high efficiency horn, in a durable steel enclosure. Power is provided to the VIP-581A-IC via a Power over Ethernet (PoE) switch meeting the 802.3af specification.



### SPECIFICATIONS

#### Access Methods

- Singlewire InformaCast Server
- SIP telephone system
- Valcom M Cast Page Group

#### Features

- Power over Ethernet (PoE) 802.3af compatible
- Angled surface mount
- Paintable grille and enclosure

#### Nominal Power Requirements

Via 802.3af (PoE) Ethernet Switch: Class 3

#### Dimensions/Weight

- 9.9" H x 12.2" W x 4.0" D (top) x 2.7" D (bottom)  
(25.2cm H x 30.9cm W x 10.2cm D (top) x 6.9cm D (bottom))
- Weight: 7.4 lbs. (3.4 kg)

#### Environment

Interior Installation only

Temperature:

0 to +40° C

Humidity:

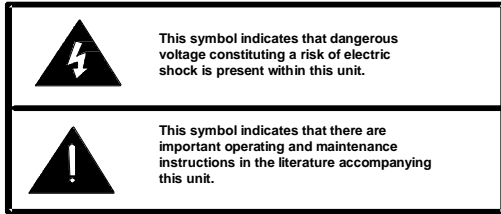
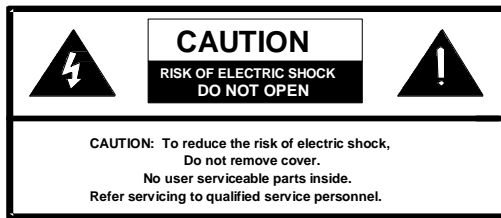
0 to 85% non-precipitating

These products are intended for use with a UL Listed power source marked "Class 2" or "LPS" rated 24VDC, or 48VDC (PoE).

PoE and all interconnected ITE are intended for intra-building.

#### 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 place sur l'appareil.**



**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 formément 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 à 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.
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.

## INSTALLATION

### Mounting

The VIP-581A-IC is designed for surface mounting on a solid surface. Remove the grille from the backbox enclosure and disconnect the FlexHorn wire harness from the network interface board.

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 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. Insert Ethernet wiring through large hole in rear panel of enclosure and connect to the Ethernet RJ-45 socket. Use mounting hardware (not included) appropriate for the wall type to securely mount the enclosure to the wall or outlet box. With the enclosure securely mounted, reconnect the FlexHorn wiring harness to the network interface board and install the FlexHorn faceplate to the enclosure using the four screws provided.

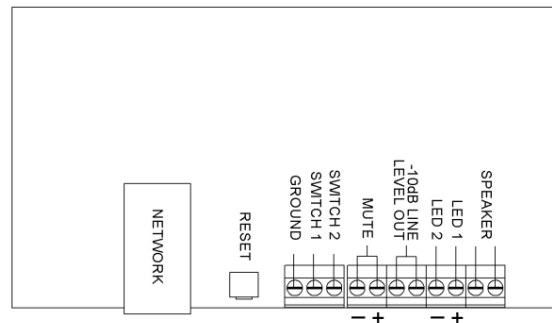


Figure 1.

## Power Connections

The only method of powering a VIP-581A-IC IP FlexHorn is via a Power over Ethernet (PoE) network switch or power injector meeting the 802.3af specification.

## Network Connection

The VIP-581A-IC has one Ethernet RJ-45 network connector on the circuit board. Connect an Ethernet patch cable from the network switch to the VIP-581A-IC Ethernet RJ-45 socket before attaching the grille to the enclosure.

## Signal Connections

Signal connections from the network interface to the FlexHorn are provided through an attached wiring harness pre-wired at the factory. If the horn was disconnected while mounting the enclosure, reconnect the two-wire harness to screw terminals labeled SPEAKER on the network interface board before attaching the grille to the enclosure.

## Status Indicator Lights

The VIP-581A-IC Network Interface has 2 status indicator lights on the RJ-45 Ethernet connector.

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

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

## Setup

The VIP-581A-IC will automatically acquire an IP address (using DHCP) and connect to the InformaCast server when connected to the network and powered up. Information specific to your application will need to be programmed into the InformaCast server. Refer to the InformaCast documentation for further information.

## 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. It is strongly suggested that you go to the web site and follow the trouble resolution procedure 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**

## WARRANTY

Warranty information may be found on our website at [www.vacom.com/warranty](http://www.vacom.com/warranty).