**VALCOM IP Solutions**

VIP-428A-IC
InformaCast® Compliant
IP PoE SPEAKER WITH SQUARE FACEPLATE

INTRODUCTION

The VIP-428A-IC InformaCast Compliant IP PoE Speaker with Square Faceplate enables voice access to a single zone of paging over an IP-based LAN/WAN. This allows a page zone extension anywhere on the network. The faceplate is made of steel with a durable white powder coated finish. The color of the faceplate can easily be changed to match any decor. Power is provided to the VIP-428A-IC via a Power over Ethernet (PoE) switch meeting the 802.3af specification.
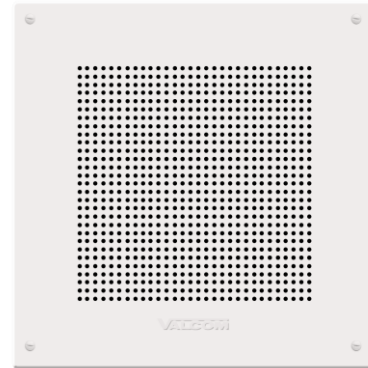
SPECIFICATIONS
Access Methods
- Singlewire / InformaCast Server
- SIP – enabled telephone system
- Valcom M Cast Page Group

Features
- 802.3af compliant
- High Efficiency Class-D Amplifier

DIMENSIONS/WEIGHT
- 11.5" H x 11.5" W x 3.7" D
  (29.2 cm x 29.2 cm W x 11.4 cm)
- Weight: 4.25 LBS (1.91 kg)

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

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.**

INSTALLATION
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.

Network Connection
The VIP-428-IC has one RJ-45 network connector on the rear panel. Use a standard patch cable and connect the VIP-428A-IC to an Ethernet switch. (See Figure 1)

LED Connection
LED 1 (+) and LED 2 (-) is a current limited output designed to illuminate an optional LED. The LED is intended to provide visual indication of call progress. The LED illumination will flash when the call switch is pressed and will continue to flash until the call is answered. The LED illumination will be solid when a connection to the unit is established

-10 dB Line Level Out Connection
The -10dBm Line Level Out may be connected to up to 40 Valcom Self Amplified Speakers in order to provide additional sound reinforcement in an area.
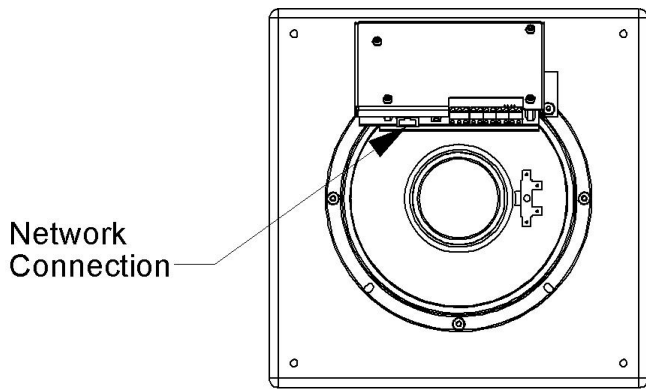
Figure 1. Network Connection
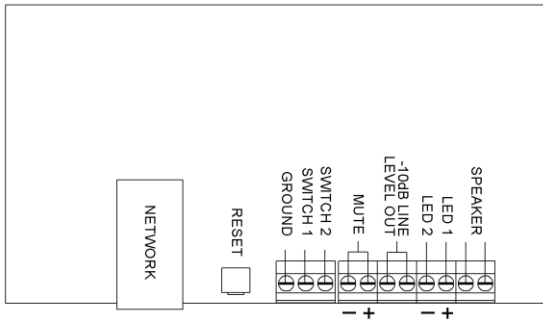
Figure 2. Connections

Call Switch Connection
The VIP-428A-IC provides a call switch input via screw terminal connections, labeled Switch 1 and Ground.

Setup
The VIP-428-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.

Mounting
Valcom offers three backboxes (not included) for mounting the VIP-428A-IC speaker. The VB-S11 (surface mount), VB-A13 (angled surface mount) and VB-R12 (recess mount) are all designed to fit the VIP-428A-IC. Mount the backbox according to the instructions provided with the backbox. After mounting the backbox, connect the Ethernet cable to the RJ-45 jack on the speaker. Mount the speaker baffle to the backbox with the hardware provided.

TECHNICAL ASSISTANCE
When trouble is reported, verify power is being supplied to the unit and there are no broken connections. If a spare unit is available, substitute a spare unit for the suspected defective unit.

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
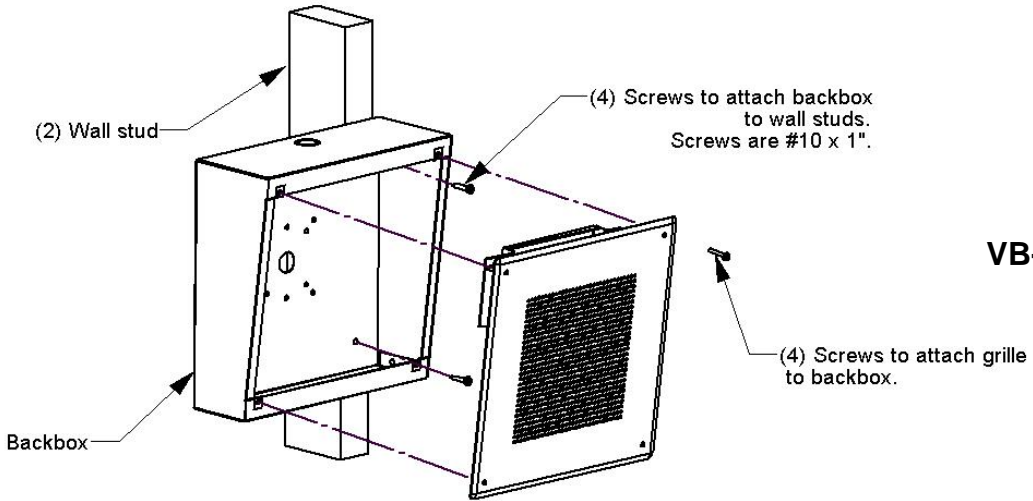
Valcom equipment is not field repairable. Valcom, Inc. maintains service facilities in Roanoke, VA.

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:
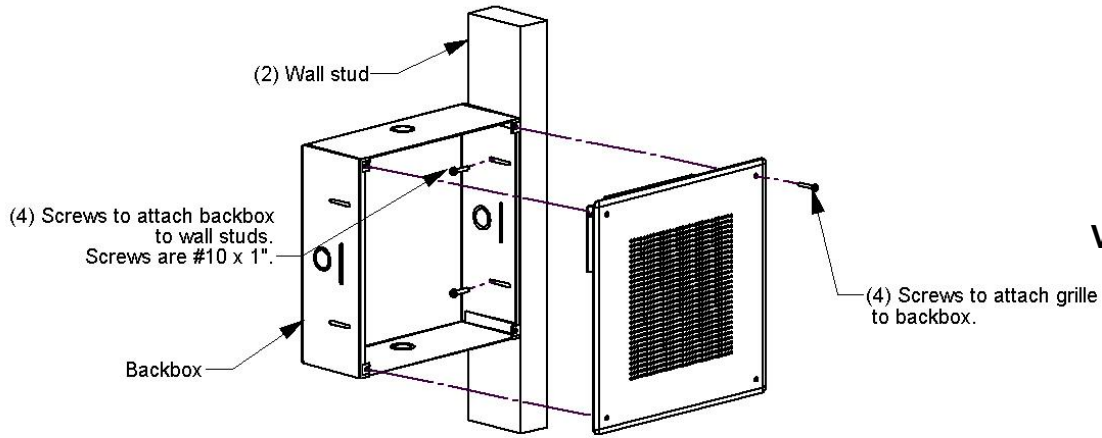
Valcom, Inc.
Repair & Return Dept.
5614 Hollins Road
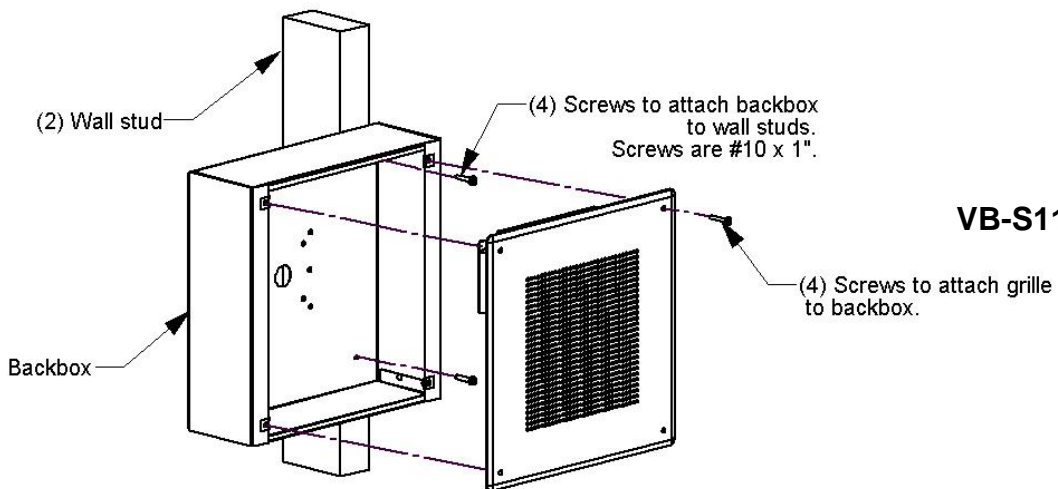**Roanoke, Va. 24019-5056**

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

(2) Wall stud

(4) Screws to attach backbox
to wall studs.
Screws are #10 x 1".

VB-A13

(4) Screws to attach grille
to backbox.

Backbox

(2) Wall stud

(4) Screws to attach backbox
to wall studs.
Screws are #10 x 1".

VB-R12

(4) Screws to attach grille
to backbox.

Backbox

(2) Wall stud

(4) Screws to attach backbox
to wall studs.
Screws are #10 x 1".

VB-S11

(4) Screws to attach grille
to backbox.

Backbox

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