VALCOM IP Solutions

VIP-160-IC
INFORMACAST® COMPLIANT
TALKBACK IP CEILING SPEAKER

INTRODUCTION

The VIP-160-IC Talkback IP Ceiling Speaker is compatible with Singlewire InformaCast and InformaCast CK systems, allowing hands free talkback paging access to a single location anywhere on the IP network. All control of the speaker features is performed through the InformaCast system. A call switch input is provided for call initiation from the speaker location. Connections are provided for an optional LED call indicator, a mute switch and line level audio output.

The enclosure is made of steel with a durable white powder-coated finish. Power is provided to the VIP-160-IC via a Power over Ethernet (PoE) switch meeting the 802.3af specification

SPECIFICATIONS

Access Methods

- InformaCast, InformaCast CK
- HTTP interface for status & configuration

Features

- RJ-45 network connection
- Power over Ethernet (PoE) 802.3af compatible
- DHCP addressable
- Firmware upgradeable for future needs
- Connector for Mute switch
- Connector for LED call indicator
- Line output supports Valcom Amplified Speakers

DIMENSIONS/WEIGHT

- 13.00" Dia x 3.00" D
  (33.02cm Dia. x 7.62cm D)
- Weight: 2.5 lbs (1.13 kg)

Environment

- Temperature: 0 to +40° C
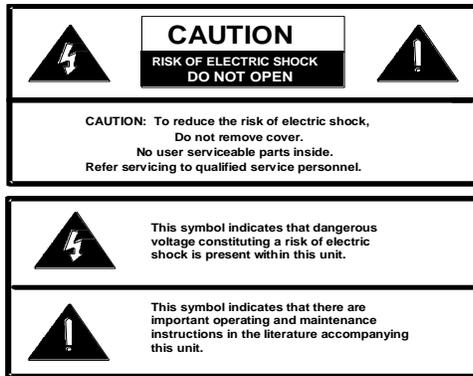- Humidity: 0 to 85% non-precipitating

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.

Packing List

Qty.	Item
1	VIP-160-IC
1	VSP Document
1	RJ-45 Patch Cable

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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.

Network Connection
The Talkback IP Speaker has one CAT-5 RJ-45
network connector on the rear panel. Use the
supplied CAT-5 patch cable to connect the
Talkback IP Speaker to an Ethernet switch.
See Figure 1 for detailed connections.

Call Switch Connection
The Talkback IP Speaker provides a call switch
input via screw terminal connections. See
Figure 1 for detailed connections.

Mute Out Connection
The Mute Out may optionally be connected to the
mute input of Valcom Classroom audio
management systems in order to suspend locally
originated classroom audio during intercom
announcements.

LED (+) and (-) Connection
LED (+) and (-) 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 while
a connection to the IP Talkback Speaker is
established.

MOUNTING
Cut an 8.50" diameter in ceiling tile. After
connections have been made to the speaker,
attach speaker to ceiling tile using the mounting
hardware provided. (A metal backbox with rails is
available separately as model V-9816M).

Network Connection
The VIP-160-IC has one CAT-5 RJ-45 network
connector on the rear panel. Use the supplied
CAT-5 patch cable to connect the VIP-160-IC to
an Ethernet switch. (See Figure 1).

-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
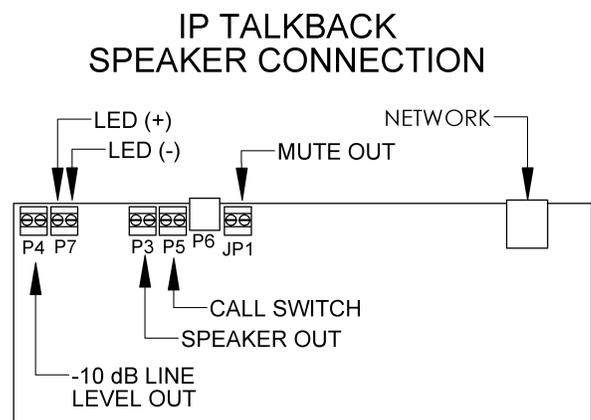provide additional sound reinforcement in an area.

**IP TALKBACK
SPEAKER CONNECTION**

LED (+)
LED (-)
MUTE OUT
NETWORK
P4 P7   P3 P5 P6 JP1
CALL SWITCH
SPEAKER OUT
-10 dB LINE
LEVEL OUT

Figure 1. VIP-160-IC Connections

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.

When requesting assistance, you should include all available information. It is strongly suggested that you review the information available at http://www.valcom.com/informacast.

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://voip.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

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