

VIP-LD221W LCD Display Speaker with Flashers

INTRODUCTION

The VIP-LD221W LCD Display Speaker with Flashers is an all-in-one IP endpoint combining a 22" LCD display for visual notification with high quality voice paging. Bright flashers on each end attract attention for important messages. Templates provide preset display areas for easy and quick visual layout.

SPECIFICATIONS

Features

- Cost effective and versatile solution to applications requiring visual alerts or flashers
- Multiple template options for displaying clocks, images and messages
- Power over Ethernet IEEE 802.3bt Type 3 or 4, (60 Watts minimum) compatible
- Synchronized flashing when used with additional Valcom Flashers

Video Specifications

- 178° Vertical x 178° Horizontal viewing angle
- Contrast Ratio 1000:1
- White luminance 500 cd/m²
- Full HD Resolution (1920 x 1080)
- 60 Hz Refresh Rate
- High brightness Flashers, Red, Green, Blue, White LEDs, with up to 300 lumens each

Audio Specifications

- Full duplex talkback audio with omni-directional microphone
- Dual speakers with 5 Watt output

Activation Methods

- Valcom Site Manager server
- Valcom Interactive Console
- Valcom Group Page
- SIP Phone Call

Nominal Power Requirements

- IEEE 802.3bt, Type 3 or 4, 60 Watts minimum (PoE++ or UPoE)



Installation
Video



Input/Output

- Two Contact Closure Inputs
- One Relay Output, Form C, Rated 1A @ 24 Vdc
- One Line Level Audio output
- One Line Level Audio Input for local audio

Dimensions / Weight

- 12.5" H x 24.3" W x 2.25" D
(31.8cm H x 61.7cm W x 5.7cm D)
- 11.0 lbs. (5.0 kg)

Environment

- Temperature: +32 to +104°F (0 to +40°C)
- Humidity: 0 to 85% non-precipitating

Operation

The VIP-LD221W provides visual notification, audible notification, or both simultaneously. Messages are created by a Valcom Site Manager and/or Interactive Console and delivered over the network. The bright LED flashers on each end of the display may be activated by priority or group membership. Live voice paging can be initiated via SIP registration to a Voice over IP (VoIP) telephone system, or from a Valcom voice gateway device. When idle, the display can provide time and date using the built-in customizable clock display templates.

INSTALLATION

Mounting

The VIP-LD221W is designed for single-gang, double-gang or octagon electrical box mounting or mounting directly to a solid surface.

NOTE: The VIP-LD221W flashers can synchronize with other Valcom IP Flashers, but not with other manufacturers' devices. Therefore, it must not be installed where the flash from other, non-Valcom flashers may be seen. Refer to the diagram shown in Figure 3. Remove three screws from the bottom of the VIP-LD221W to separate the LCD/Speaker Assembly from the Mounting Base. Attach the Mounting Base to the electrical box or solid surface using appropriate fasteners. A ground lug is provided for connection to earth ground. Route the ethernet cable and relay or contact closure wires (if used) through the opening in the back mounting plate and make connections to the appropriate terminals of the circuit board. Align the two tabs at the top of the LCD/Speaker Assembly with the two slots at the top of the Mounting Base and reattach the LCD/Speaker Assembly to the Base using the three screws.

Network / Power Connections

The VIP-LD221W has one RJ-45 Network connector with two Green LEDs to indicate link speed and activity.

- Left LED indicates Link Speed:
 - Off: 10 Mbit speed
 - On steady: 100 Mbit speed
 - Flashing: 1000 Mbit speed
- Right LED indicates activity:
 - On steady: Connected
 - Flashing: network activity

The only method of powering the VIP-LD221W is via a Power over Ethernet (PoE) switch or power injector meeting the 802.3bt Type 3 or 4 specification, supplying a minimum of 60 Watts. Make all required signal connections before connecting to an Ethernet switch or power injector meeting the specification. (Figure 1.)

Input / Output Connections

Line In

Audio connected to the Line In terminals will be routed to the built-in speakers. This audio will be muted when a Page or Intercom Call is active.

Line Out

Audio received by the VIP-LD221W will be output on the Line Out terminals. This is typically used to provide line level audio to self-amplified speakers or amplifiers.

SW1, GND, SW2

Terminals labeled SW1, SW2 and GND (ground) provide two inputs typically used for Call Switches to initiate intercom calls. Input 1 uses terminals SW1 and GND; input 2 uses SW2 and GND.

Relay

A Form C Relay is available using the NO (Normally Open), COM (Common) and NC (Normally Closed) terminals.

Reset

A Reset button is located behind a pin hole in the bottom of the Display and may be used to return the Display to factory default settings. Use a small diameter object, such as a toothpick, to access the button. Press the Reset button for more than 10 seconds, but less than 20, to reset the IP address and other configuration to factory default.

Pressing the Reset button for more than 20 seconds will reset all configuration, including the password. See Figure 2 for Reset button location.

Setup

Information specific to your application will need to be programmed into the VIP-LD221W using a computer. The PC used for programming should be connected to the same subnet as the VIP-LD221W. 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. General 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

WARRANTY

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

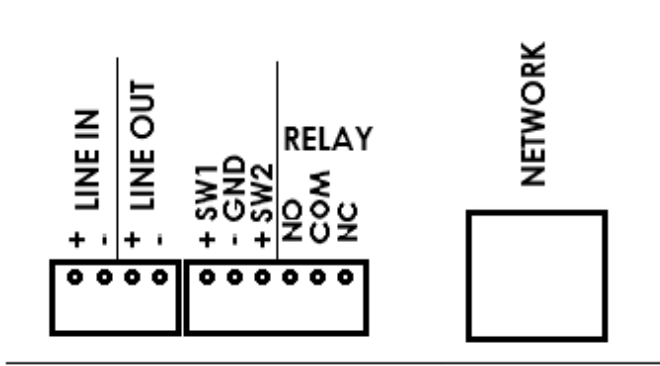


Figure 1. Wiring Connections



Figure 2. Reset and Microphone Location

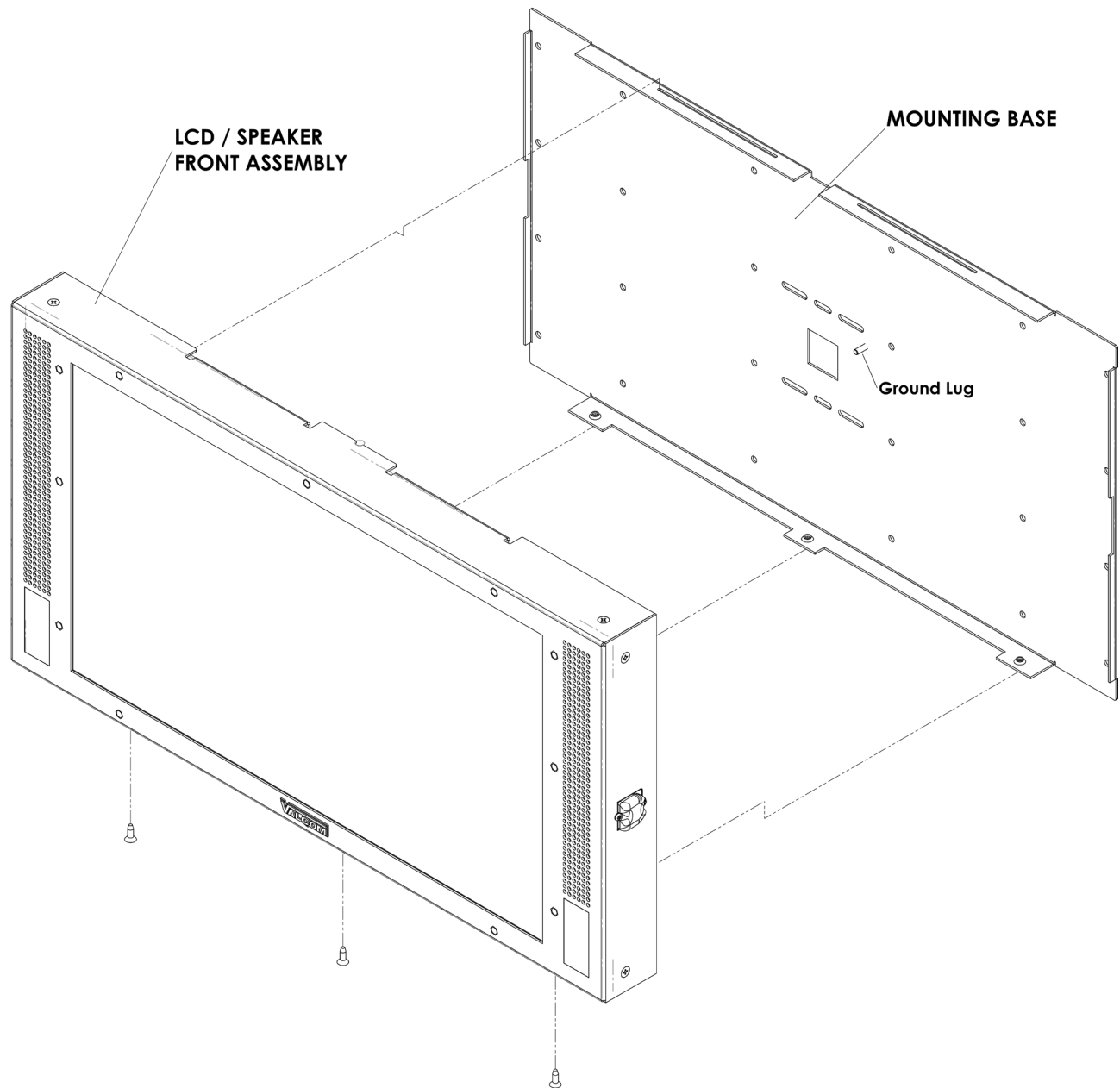


Figure 3. Mounting