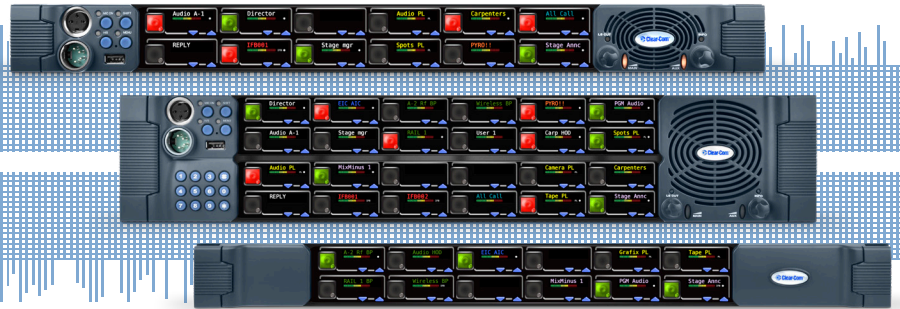


V-Series IrisX User Panels - Pushbutton

Eclipse HX Matrix Systems

Linking
People
Together



V-Series IrisX Pushbutton Family

Key Features and Benefits

- Individual key menus help ease of use and assignment
- Vertical font display option
- TFT displays for quick and easy key differentiation
- Individual up/down audio level controls for personal mixes
- Fast key assign from pre-defined scroll lists or using numeric pad
- Optional repositioning of Reply key
- Optional additional Reply key for busy positions
- International 10-character alphanumeric fonts: Cyrillic, Hangul, Kanji, Katakana and Arabic
- Digital Signal Processing (DSP) for audio routing, Dynamics, IFB routing and local loudspeaker dimming
- Built-in Interfaces: Matrix (direct connect), Matrix (Ethernet/IP), GPIO, Aux Audio, 2nd Headset
- Multi-channel Matrix Connections: Direct connect (1 main + 2 aux), IP (3 channels)
- "Listen Again" function to replay calls up to 5-min

The V-Series IrisX™ Pushbutton Color Panels are user control panels that operate in conjunction with the Eclipse® HX Digital Matrix Systems.

Description

The V-Series IrisX Pushbutton panels are user control panels that operate in conjunction with the Eclipse HX Digital Matrix Systems. Pushbutton panels feature one a display window per key. For each key, a red tally light indicates Talk only, green indicates Listen only and amber is for both Talk and Listen. A special mode provides dual Talk/Listen with a latchable Listen and momentary Talk on one button.

With IrisX panel's IP capability, users can connect via AES67 or with Clear-Com's AoIP I.V. as well as connecting locally via 4-wire connection. Core protocol. Using an E-IPA-HX card, users can deploy up to 64 panels in an AES67-based network. IrisX panels also have a dual NIC connection which allows for seamless communication, even if the primary IP network fails.

Display

All V-Series IrisX panels have international alpha-numerical, 10-character, TFT displays, providing high-contrast key labels and information. The TFT liquid-crystal displays have a high level of brightness and increase in resolution, with a typical NIT level of 500. All Eclipse HX compatible V-Series IrisX panels include a vertical font option for vertical mount applications.

Functionality

There are three basic types of Pushbutton panels: 1RU (12-key), 2RU (24-key) and Expansion (12-key). Each key has associated up/down audio level control buttons. A menu button gives the user access (if allowed) to make changes to the panel functions, system assignment and set ups. A shift key gives access to up to 8 additional pages. Panels include rear audio connections for external audio with options, hot mix out and GPIO's for footswitches and push-to-talk keying.

Advance Digital Signal Processing (DSP) allows for centralized changes to audio routing and processing in the panel.

V-Series IrisX User Panels - Pushbutton

Eclipse HX Matrix Systems

Order Codes

VI-PNLB-24P-X4: 24 Key, Pushbutton, 4 pin XLR-Male Headset, 2RU

VI-PNLB-24P-X5: 24 Key, Pushbutton, 5 pin XLR-Female Headset, 2RU

VI-PNLB-24P-X7: 24 Key, Pushbutton, 7 pin XLR-Male Headset, 2RU

VI-PNLB-12P-X4: 12 Key, Pushbutton, 4 pin XLR-Male Headset, 1RU

VI-PNLB-12P-X5: 12 Key, Pushbutton, 5 pin XLR-female Headset, 1RU

VI-PNLB-12P-X7: 12 Key, Pushbutton, 7 pin XLR-Male Headset, 1RU

VI-EXPB-12P: 16 Key, Pushbutton, 1RU

VI-PNLB-32L-X4: 32 Key, Lever, 4 pin XLR-Male Headset, 2RU

Panel Type

The 1 Rack Unit (1RU) panel comes with 12 configurable pushbuttons and 24 up/down level buttons.

The 2 Rack Unit (2RU) panel comes with 24 configurable pushbuttons and 48 up/down level control buttons. The 2RU panel is offered with an additional dial keypad which allows telephone dialing and quick access to menus.

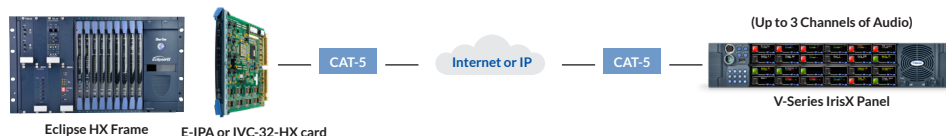
The 1 Rack Unit (1RU) Expansion panel is used to increase the number of Talk/Listen paths for a user. The 1RU expansion panel has 12 pairs of up/down level controls. Up to eight extension panels can be added to each host key-panel and can be placed up to 16ft (5m) away.

V-Series IrisX Connectivity Options

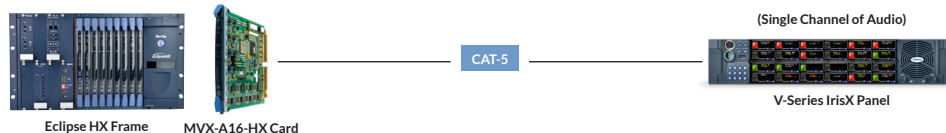
AoIP (AES67) connectivity back to the E-IPA card, offering low latency uncompressed 20 kHz audio over a LAN or VLAN connection.



IVC (G.722) connectivity back to an IVC-32 or E-IPA card, offering low data rate compressed audio over LAN, WAN, or Internet connection.



MVX (Analog) connectivity back to the MVX card, offering analog 4-wire audio over dedicated CAT5 cabling.



Note: IrisX extension panels can only be used with IrisX Panels. Extension panels designed for V-Series and V-Series Iris are unable to connect to the new suite of IrisX panels.

V-Series IrisX User Panels - Pushbutton

Eclipse HX Matrix Systems

Technical Specifications

Front Panel Controls & Connectors

Talk/Listen Switches: 12 (1RU) or 24 (2RU)

Answer Back Switch: Configurable (None, 1 or 2)

Volume Controls: 2 (Main and Aux)

Headset Connector: 1 (XLR-4M, XLR-5F, XLR-7M)

Panel Mic Connector: 1 (3-pin)

Headset Audio

Earphone Impedance: From 32Ω

Output Power: 75mW into 50Ω for <1% distortion

Loudspeaker Audio

Frequency Response: 40Hz-20kHz +/- 3dB

Voltage: 100/240V AC +/- 10%

Frequency: 50 – 60Hz

Power: 60W maximum

Environmental

Operating: +32° – +113° F (0° – +45° C)

Storage: +32° – +150° F (0° – +70° C)

Humidity: Between 20% and 90%, Non-Condensing

Rear Panel Connectors

GPIO: DB-25F

Matrix: RJ45 (single-channel)

Matrix (IP): RJ45 (multi-channel)

Auxiliary Audio: DB-25M

Expansion Panel: RJ45

DC Power: 4-pin DIN (with locking sleeve)

Physical LAN: 2x 100/1000BASE-T Full-Duplex Ethernet (100 used for IVC, 1000 used for AoIP)

Panel Microphone Input

Type: Electret

Level: 40-70dBu

Impedance: 1700Ω +/- 10%

Headset Microphone Input

Type: Dynamic or Electret

Level: -40 – 0dBu

Main Power Supply (External)

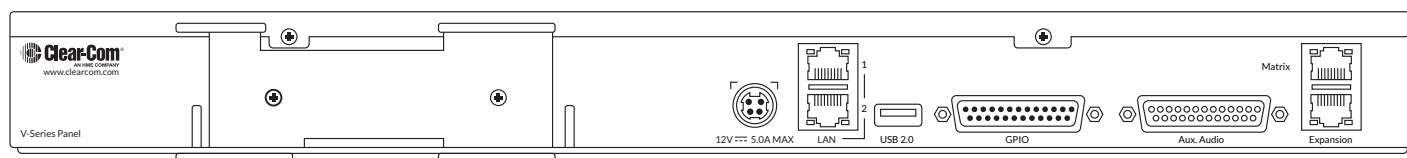
Dimensions

19 x 1.76 x 6.84in (WxHxD)
(483 x 44 x 174mm)

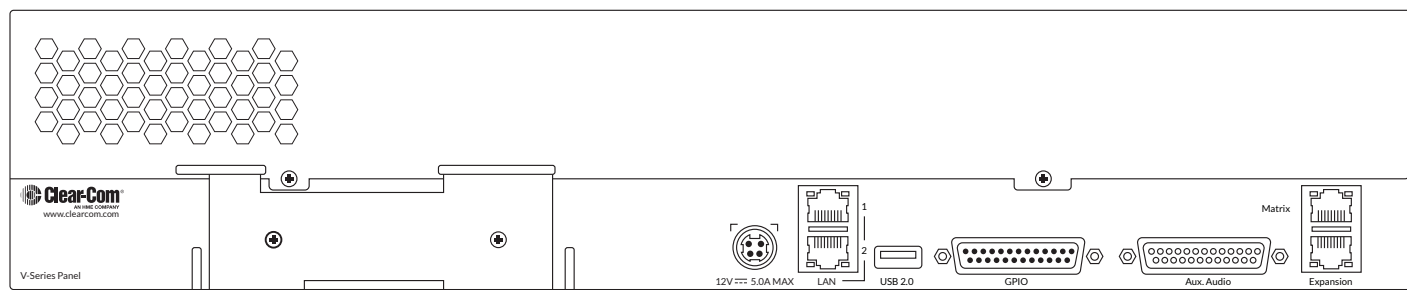
Weight

4.2lbs (1.92kg)

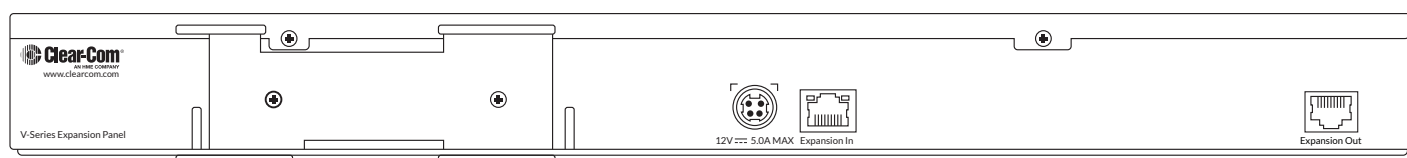
Back Panels



1RU V-Series IrisX Back Panel



2RU V-Series IrisX Back Panel



V-Series IrisX Expansion Back Panel