


V-Series IrisX User Panels - Rotary

For Eclipse HX Matrix Systems



Linking
People
Together



V-Series IrisX Rotary 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 rotary audio level controls for personal mixes
- Color-coded keys for easily identifiable color tallies
- Fast key assign from pre-defined scroll lists and/or keypad
- 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™ Rotary Color Panels are user control panels that operate in conjunction with the Eclipse® HX Digital Matrix Systems.

Description

The V-Series IrisX Rotary Panels are user control panels that operate in conjunction with Eclipse HX Digital Matrix Systems. Rotary panels feature one display window per “key” and have two individual controls for the same display; a rotary encoder for level control with a pushbutton switch feature for Listen (push on/off) and separate pushbutton for Talk (push on/off). Each control offers discrete LED tally indication; red for Talk and green for Listen.

With IrisX panel’s IP capability, users can connect via AES67 or with Clear-Com’s AoIP I.V. Core™ protocol, as well as connect locally with a 4-wire connection. 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 rotary panels: 1RU (12-key), 2RU (24-key) and Expansion (12-key). Each talk pushbutton has an associated audio level rotary switch control and can be configured for Talk and Listen. 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 eight additional pages. The panel includes rear audio connections for external audio with options, hot mix out and GPIO’s for footswitches and push-to-talk keying. Individual Rotary level controls let users adjust personal audio mixes for all calls.

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

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Order Codes

VI-PNLB-24R-X4: 24 Key, Rotary, 4 pin XLR-Male Headset, 2RU

VI-PNLB-24R-X5: 24 Key, Rotary, 5 pin XLR-Female Headset, 2RU

VI-PNLB-24R-X7: 24 Key, Rotary, 7 pin XLR-Male Headset, 2RU

VI-PNLB-12R-X4: 12 Key, Rotary, 4 pin XLR-Male Headset, 1RU

VI-PNLB-12R-X5: 12 Key, Rotary, 5 pin XLR-female Headset, 1RU

VI-PNLB-12R-X7: 12 Key, Rotary, 7 pin XLR-Male Headset, 1RU

VI-EXPB-12R: 12 Key, Rotary, 1RU

Panel Type

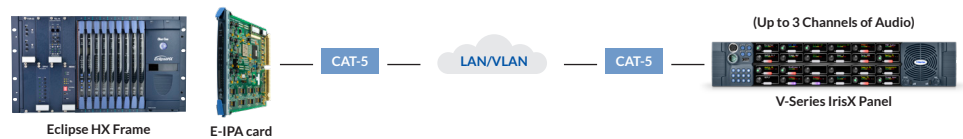
The 1 Rack Unit (1RU) panel comes with 12 configurable rotary keys and 12 color pushbuttons.

The 2 Rack Unit (2RU) panel comes with 24 configurable rotary keys and 24 color pushbuttons. The 2RU panel is offered with an additional dial keypad which allows telephone dialing and quick access to menus.

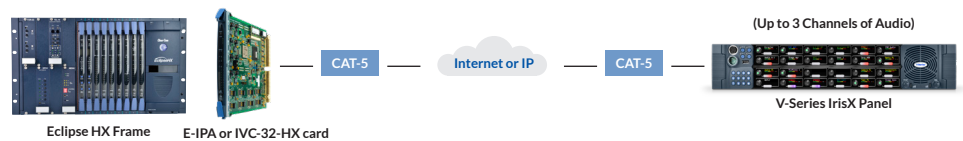
The 1 Rack Unit (1RU) Expansion panel is used to increase the number of Talk/Listen paths for a user. The 1RU expansion panel has 12 rotary keys and 12 color pushbuttons. Up to eight expansion panels can be added to each host panel and can be placed up to 16ft (5m) away.

V-Series IrisX Connectivity Options

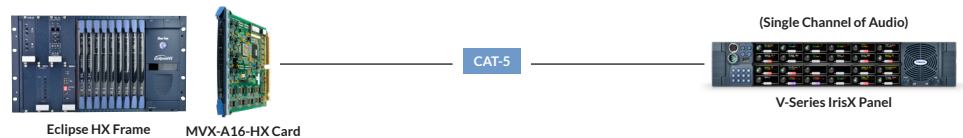
AoIP (AES67) connectivity back to the E-IPA card, offering low latency uncompressed 20 kHz audio over a LAN or VLAN connection.



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.

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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)

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)

Headset Audio

Earphone Impedance: From 32Ω

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

Loudspeaker Audio

Frequency Response:

40Hz-20kHz +/- 3dB

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)

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

Dimensions

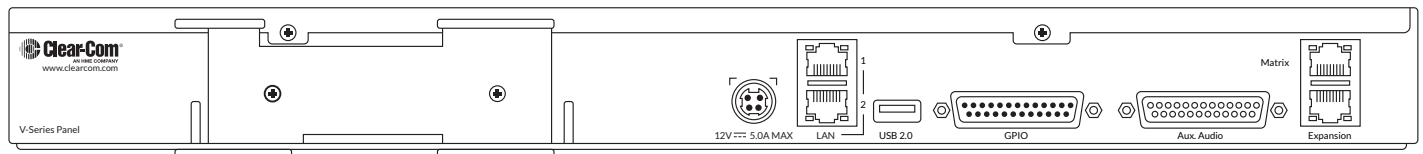
19 x 1.76 x 6.84in (WxHxD)

(483 x 44 x 174mm)

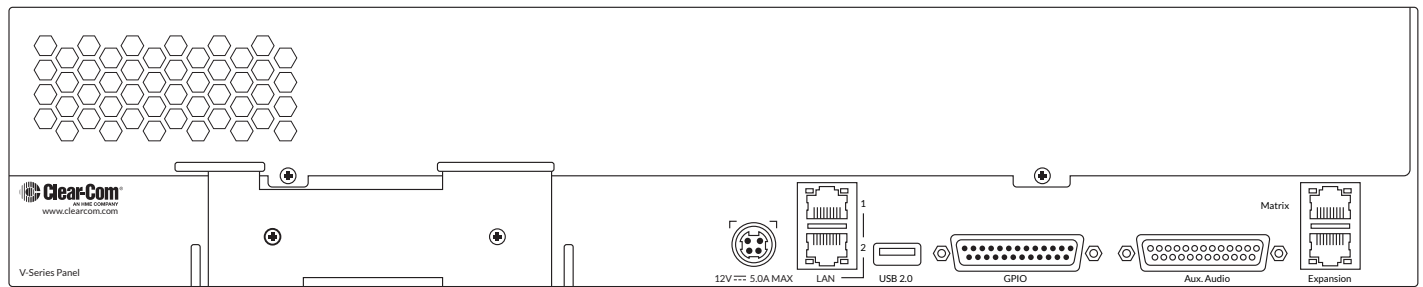
Weight

4.2lbs (1.92kg)

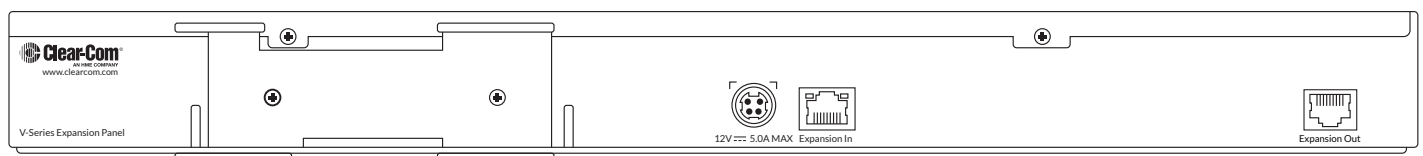
Back Panels



1RU V-Series IrisX Back Panel



2RU V-Series IrisX Back Panel



V-Series IrisX Expansion Back Panel