V-Series User Panels - Lever

For Eclipse® HX Matrix Systems

Linking People Together

V-Series 12-key Lever Panel (1RU)

V-Series 32-key Lever Panel (2RU)

V-Series 12-key Lever Desktop

V-Series 16-key Lever Expansion Panel (1RU)
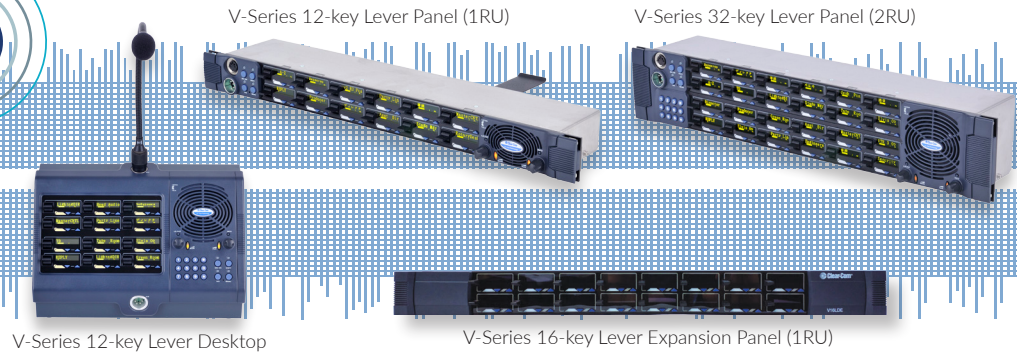
Key Features and Benefits

- Individual key menus help ease of use and assignment
- Vertical font display option
- Yellow OLEDs for better contrast and visibility
- Individual up/down audio level controls for personal mixes
- "Listen Again" function to replay calls
- Fast key assign from pre-defined scroll lists or using numeric pad
- Optional repositioning of Reply key
- International 10-character alpha-numeric fonts: Cyrillic, Hangul, Hebrew, Kanji, Katakana and Arabic
- Digital Signal Processing (DSP) for audio routing, EQ and Dynamics, IFB routing and local loudspeaker dimming
- Built-in Interfaces: Matrix (direct connect), Matrix (Ethernet/IP), GPIO, Aux Audio, 2nd Headset
- Optional AES3 card for digital CAT5 or Co-Ax connections
- Multi-channel Matrix Connections: Direct connect (1 main + 2 aux), AES3 (2 channels), IP (3 channels)
- Optional AES3 card for connection to either E-MADI-64-HX or AES-6 interface card

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The V-Series Lever Panels are user control key-panels that operate in conjunction with the Eclipse HX Digital Matrix Systems.

Description

The V-Series Lever Panels are user control key-panels that operate in conjunction with Eclipse HX Digital Matrix Systems. Lever key-panels feature one display window per "key" and provide Listen (up) and Talk (down) operation for the displayed label. Latching and momentary operation is software configurable. The Listen (up) path does not have to be the same as the Talk (down) path. A Talk/Listen LED status indicator is provided below the display window. When a talk path is active (down) the status will indicate a red color, and when a listen path is active (up) the status will indicate a green color.

Display

All V-Series panels have international alpha-numerical, 10-character, yellow OLED displays, providing high-contrast for dim environments, as well as greater visibility in bright sunlight. The yellow OLED's provide extended lifetime and reduce the overall cost of ownership for each panel. All Eclipse HX compatible V-Series panels include a vertical font option for vertical mount applications.

Functionality

There are four types of Lever key-panels: 1RU (12-key), 2RU (32-key), Desktop (12-key) and Expansion (16-key). Each lever 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 up. A shift key gives access to up to 8 additional pages. Panels include rear audio connections for external audio with options, hot mic out and GPIOs for footswitches and push-to-talk keying.

Advance Digital Signal Processing (DSP) allows for centralized changes to audio routing and effects. The panels' "Listen Again" feature allows recent incoming audio to be replayed.

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Order Codes

V12LDX4Y-IP: 1RU Lever Key Display Panel, 4 pin XLR Headset Connector

V12LDX5Y-IP: 1RU Lever Key Display Panel, 5 pin XLR Headset Connector

V32LDX4Y-IP: 2RU Lever Key Display Panel, 4 pin XLR Headset Connector

V32LDX5Y-IP: 2RU Lever Key Display Panel, 5 pin XLR Headset Connector

V12LDDX4Y-IP: Desktop Lever Key Display Panel (12 Keys), 4 pin XLR Headset Connector

V12LDDX5Y-IP: Desktop Lever Key Display Panel (12 Keys), 5 pin XLR Headset Connector

V16LDEY: 1RU Lever Key Display Expansion Panel (16 Keys)

V12LDX4Y-AES-IP: 1RU Lever Key Display Panel for Co-Ax/AES3 4 pin XLR Headset Connector

V12LDX5Y-AES-IP: 1RU Lever Key Display Panel for Co-Ax/AES3 5 pin XLR Headset Connector

V12LDDX4Y-AES-IP: Desktop Lever Key Display Panel (12 Keys) for Co-Ax/AES3 4 pin XLR Headset Connector

V12LDDX5Y-AES-IP: Desktop Lever Key Display Panel (12 Keys) for Co-Ax/ AES3 5 pin XLR Headset Connector

Note: Some models available with 7-pin male XLR headset connectors.
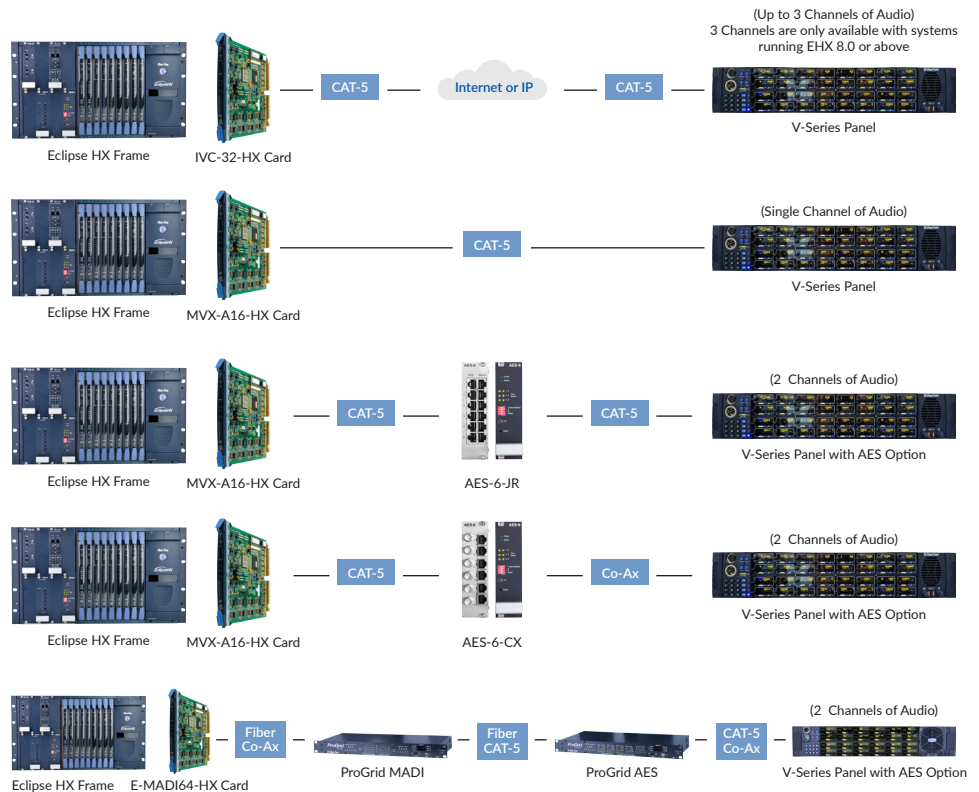Please contact Clear-Com Sales for details.

Panel Types

The 1 Rack Unit (1RU) key-panel comes with 12 lever keys and 24 up/down level control buttons.

The 2 Rack Unit (2RU) panel comes with 32 lever keys and 64 up/down level control buttons. The 2RU key-panel has 4 configurable function keys to allow fast access to commonly used menu features and controls.

The Desktop panel has the same features as the 1RU and 2RU key-panels, but has been designed in a smaller configuration to provide commentator split operation with stereo monitoring, cough switching and local IFB control/loudspeaker dimming.

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 16 lever keys and 32 up/down level controls. Up to 4 expansion panels can be added to each host key-panel and can be placed up to 16ft (5m) away.

V-Series Connectivity Options

(Up to 3 Channels of Audio)
3 Channels are only available with systems running EHX 8.0 or above

Eclipse HX Frame — IVC-32-HX Card — CAT-5 — Internet or IP — CAT-5 — V-Series Panel

(Single Channel of Audio)

Eclipse HX Frame — MVX-A16-HX Card — CAT-5 — V-Series Panel

(2 Channels of Audio)

Eclipse HX Frame — MVX-A16-HX Card — CAT-5 — AES-6-JR — CAT-5 — V-Series Panel with AES Option

(2 Channels of Audio)

Eclipse HX Frame — MVX-A16-HX Card — CAT-5 — AES-6-CX — Co-Ax — V-Series Panel with AES Option

(2 Channels of Audio)

Eclipse HX Frame — E-MADI64-HX Card — Fiber Co-Ax — ProGrid MADI — Fiber CAT-5 — ProGrid AES — CAT-5 Co-Ax — V-Series Panel with AES Option

Technical Specifications

Front Panel Controls and Connectors

Talk/Listen Switches: 12 (1RU, Desktop); 16 (1RU Expansion); 32 (2RU)
Answer Back Switch: Configurable (None, 1 or 2)
Volume Controls: 2 (Main and Aux)
Headset Connector: 1 (XLR-4M or XLR-5F)
Panel Mic Connector: 1 (3-pin)
USB "A" Socket: 5V DC to 500mAh with short circuit and overload protection (V32 only)

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 AES Option:
AES (75 Ohms Co-Ax): BNC (dual channel)
AES (CAT5): RJ45 (dual channel)

Headset Audio

Earphone Impedence: From 32 Ohms
Output Power: 75mW into 50 Ohms for <1% distortion

Loudspeaker Audio

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

Panel Microphone Input

Type: Electret
Level: 40-70 dBu
Impedence: 1700 Ohms +/- 10%

Headset Microphone Input

Type: Dynamic or Electret
Level: -40 - 0 dBu

Main Power Supply (External)

Voltage: 100/240 VAC +/- 10%
Frequency: 50 - 60 Hz
Power: 50W maximum

Environmental

Operating: +32° – +125° F (0° – +50° C)
Storage: +32° – +150° F (0° – +70° C)
Humidity: Between 20% and 90%, Non-Condensing

Dimensions

1RU:
19 x 1.76 x 6.75 in (WxHxD)
(483 x 44 x 172 mm)

2RU:
19 x 3.5 x 6.75 in (WxHxD)
(483 x 89 x 172 mm)

Desktop:
10.25 x 5.9 x 6.75 in (WxHxD)
(260 x 150 x 172 mm)

Expansion:
19 x 1.76 x 6.75 in (WxHxD)
(483 x 44 x 172 mm)

Weight

1RU: 3.5 lbs (1.6 kg)
2RU: 7.5 lbs (4.0 kg)
Desktop: 6.0 lbs (2.75 kg)
Expansion: 3.5 lbs (1.6 kg)

Back Panels

1RU V-Series Back Panel

2RU V-Series Back Panel

V-Series Expansion Back Panel

V-Series Desktop Back Panel