


V-Series User Panels - Rotary

For Eclipse® and Eclipse® HX Matrix Systems



Linking
People
Together



V-Series Rotary Desktop



V-Series Rotary 1RU Panel



V-Series Rotary 2RU Panel

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 rotary audio level controls for personal mixes
- Color-coded keys for easily identifiable color tallies
- “Listen Again” function to replay calls
- 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 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 AES-3 card for digital CAT5 or Co-Ax connections
- Multi-channel Matrix Connection: Direct connect (1 main + 2 aux), AES-3 (2 channels), IP (3 channels)
- Optional AES-6 card for connection to either EMADI-64 or AES-6 interface card

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

Description

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

All Eclipse HX-compatible V-Series key-panels include a vertical font option for vertical mount application. Keys on the Rotary panels can be color-coded for easily-identifiable, color tallies: red keys for partyline, 4-wire or other panels; blue keys for phone lines; and purple keys for IFB.

Display

All V-Series key-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.

Functionality

There are four basic types of Rotary key-panels: 1RU (12 key), 2RU (24 key), Desktop (12 key) and Extension (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 8 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 effects. The panels’ “Listen Again” feature allows recent incoming audio to be replayed.

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Order Codes

V12RDX4: 1RU Rotary Display Panel
4 pin XLR Headset Connector

V12RDX5: 1RU Rotary Display Panel
5 pin XLR Headset Connector

V24RDX4: 2RU Rotary Display Panel
4 pin XLR Headset Connector

V24RDX5: 2RU Rotary Display Panel
5 pin XLR Headset Connector

V12RDDX4: Desktop Rotary Display
Panel (12 Keys) 4 pin XLR Headset
Connector

V12RDDX5: Desktop Rotary Display
Panel (12 Keys) 5 pin XLR Headset
Connector

V12RDEY: 1RU Rotary Display Extension
Panel

V12RDX4Y-AES: 1RU Rotary Display
Panel for Co-Ax/AES3 4 pin XLR Headset
Connector

V12RDX5Y-AES: 1RU Rotary Display
Panel for Co-Ax/AES3 5 pin XLR Headset
Connector

V24RDX4Y-AES: 2RU Rotary Display
Panel for Co-Ax/AES3 4 pin XLR headset
Connector

V24RDX5Y-AES: 2RU Rotary Display
Panel for Co-Ax/AES3 5 pin XLR Headset
Connector

V12RDDX4Y-AES: Desktop Rotary Display
Panel (12 Keys) for Co-Ax/ AES3 4 pin XLR
Headset Connector

V 12RDDX5Y-AES: Desktop Rotary 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 talk pushbuttons and 12 rotary listen switches.

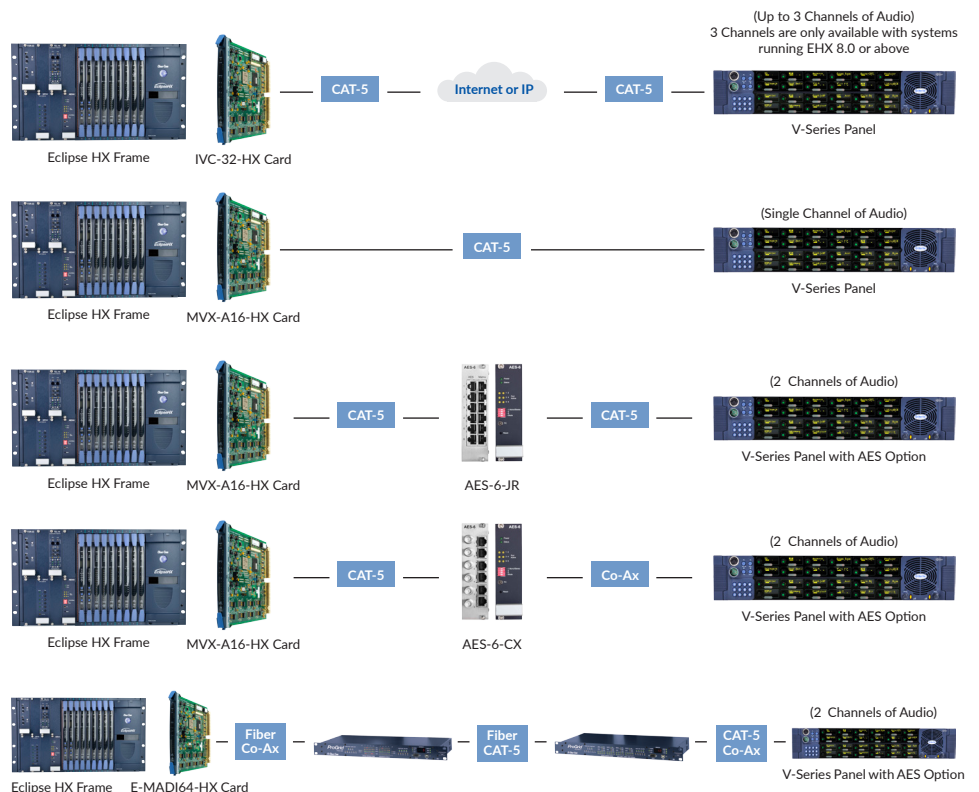
The 2 Rack Unit (2RU) key-panel comes with 24 talk pushbuttons and 24 rotary listen switches. The 2RU panel is offered with an additional dial keypad which allows telephone dialing and quick access to menus.

The Desktop key-panel has the same features as the 1RU and 2RU 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.

An Extension panel is used to increase the number of Talk/Listen paths for a user.

The Extension key-panel comes in a 1RU only; it has 12 talk pushbuttons and 12 rotary listen switches. Up to 8 extension panels can be added to each host key-panel and can be placed up to 16ft (5m) away.

V-Series Connectivity Options



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Technical Specifications

Front Panel Controls and Connectors

Talk/Listen Switches: 12 (1RU, Deaktop); 24 (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)

Rear Panel Connectors

GPIO: DB-25F
Matrix: RJ-45 (single-channel)
Matrix (IP): RJ-45 (multi-channel)
Auxiliary Audio: DB-25M
Expansion Panel: RJ-45
DC Power: 4-pin DIN

With AES Option:

AES (75 Ohms Co-Ax): BNC (dual channel)
AES (CAT5): RJ-45 (dual channel)

Headset Audio

Earphone Impedance: 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
Impedance: 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)

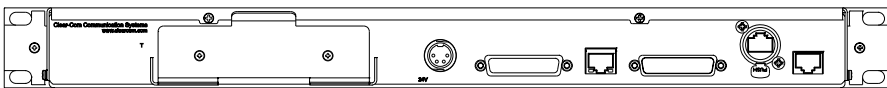
Desktop:

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

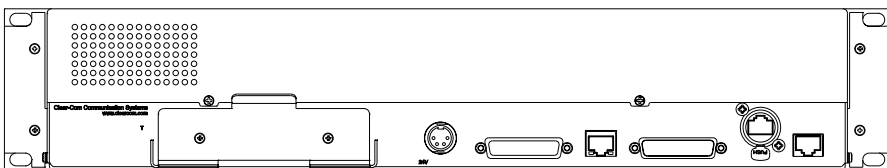
Weight

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

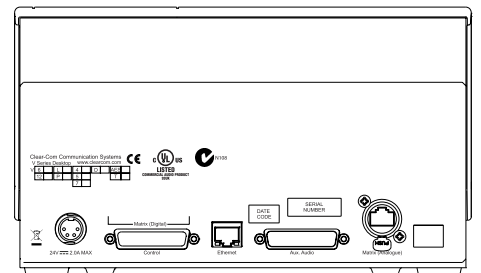
Back Panels



1RU V-Series Back Panel



2RU V-Series Back Panel



V-Series Desktop Back Panel