

## Roland V-8HD

# Roland V-8HD HD Video Switcher User Manual

Model: V-8HD

## 1. INTRODUCTION

The Roland V-8HD is a versatile and portable HD video switcher designed for live events, streaming, and corporate presentations. It features an all-in-one hardware design, eliminating common computer setup complexities. The V-8HD supports an HDMI workflow and includes a professional toolset to streamline video production.



Figure 1.1: Front view of the Roland V-8HD HD Video Switcher, showing the control panel, multi-viewer display, and T-bar fader.

## 2. KEY FEATURES

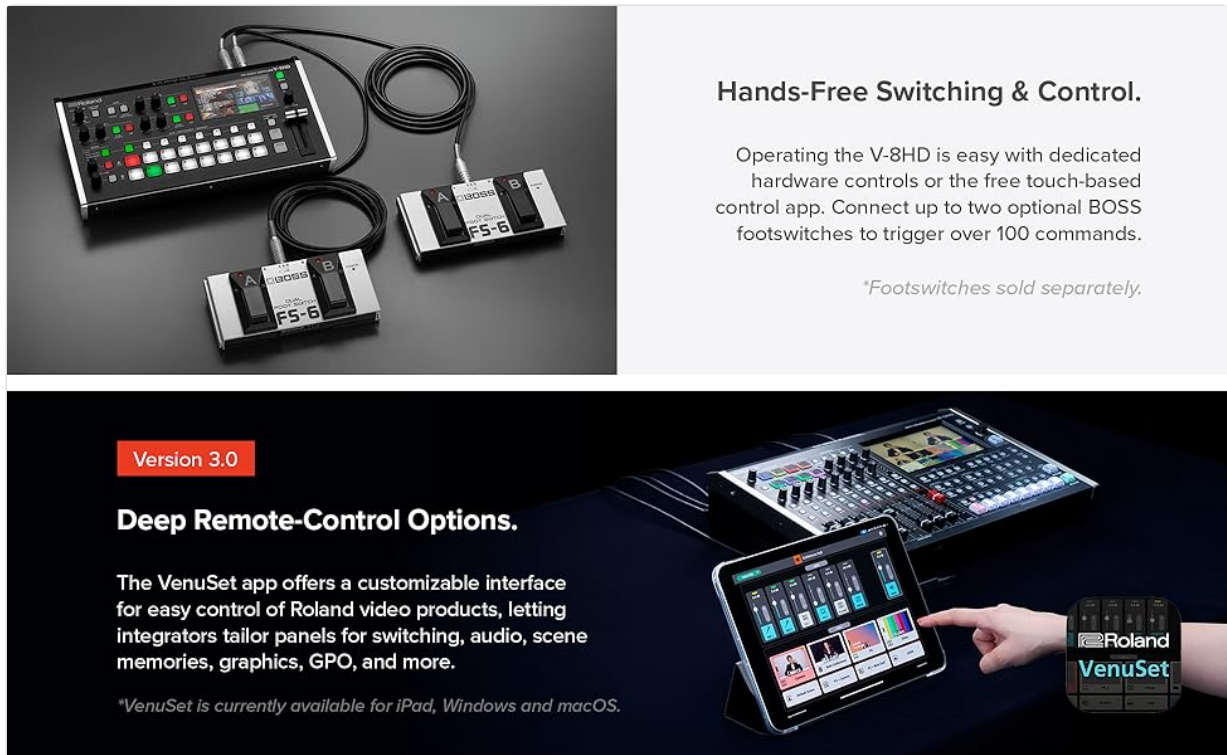
The V-8HD offers a range of features to enhance video production:

- **All-HDMI Workflow:** Seamless mixing of up to eight HDMI sources.
- **Five-Layer Effects Engine:** Advanced visual compositions with keying capabilities.
- **Built-in Multi-Viewer:** Integrated preview monitor with optional external display support.
- **AUX Output:** Dedicated output for sending a separate video feed.
- **Automated Video Switching:** Features sequencing, macros, and preset memories.
- **Output Format Support:** Includes 23.98Hz, 24Hz, 25Hz, 29.97Hz, and 30Hz.
- **Eight-Slot Still Store:** Supports BMP, JPEG, and transparent PNG files.
- **18-Channel Digital Audio Mixer:** Includes effects and sync delay on every channel.
- **Version 3 Updates:** New chroma key engine, Graphics Presenter software, and VenuSet custom control app (available June 2025).

### 3. SETUP AND CONNECTIONS

This section details how to connect your devices to the Roland V-8HD.

#### 3.1 Rear Panel Overview



The image shows the rear panel of the Roland V-8HD with two BOSS FS-6 footswitches connected via cables. To the right, a tablet displays the VenuSet app interface, with a hand pointing at the screen. The app shows various control options for the device.

**Hands-Free Switching & Control.**

Operating the V-8HD is easy with dedicated hardware controls or the free touch-based control app. Connect up to two optional BOSS footswitches to trigger over 100 commands.

*\*Footswitches sold separately.*

**Version 3.0**

**Deep Remote-Control Options.**

The VenuSet app offers a customizable interface for easy control of Roland video products, letting integrators tailor panels for switching, audio, scene memories, graphics, GPO, and more.

*\*VenuSet is currently available for iPad, Windows and macOS.*

Figure 3.1: Rear panel of the Roland V-8HD, illustrating various input and output ports including HDMI, audio, USB, and remote connections.

- **HDMI Inputs 1-8:** Connect video cameras, computers, or other HDMI sources. The V-8HD features built-in scalars for flexible input compatibility.
- **HDMI Outputs 1-3:** Connect to projectors, recording equipment, or external multi-viewer displays.
- **Audio In 1 & 2:** Connect external audio mixers or CD players.
- **Audio Out 1 & 2:** Connect to audio recording decks, amplifiers, or speakers.
- **USB Memory Port:** For connecting a USB flash drive or numeric keypad.
- **Remote Port:** Connect a USB lightning camera adapter for remote control.

- **CTL/EXP Jacks 1 & 2:** Connect footswitches or expression pedals for hands-free control.

## 4. OPERATING THE V-8HD

This section provides guidance on using the V-8HD for video switching and effects.

### 4.1 Basic Switching

The V-8HD features dedicated buttons for program (PGM) and preview (PVW) buses. Use the input buttons (1-8) to select sources. The T-bar fader allows for smooth transitions between the preview and program outputs.

### 4.2 Multi-Viewer Display

The bright 4.3-inch multi-viewer display allows you to monitor all inputs, the program output (PGM), preview output (PVW), audio levels, and camcorder status simultaneously. An external display can be connected for a larger view and access to menus.

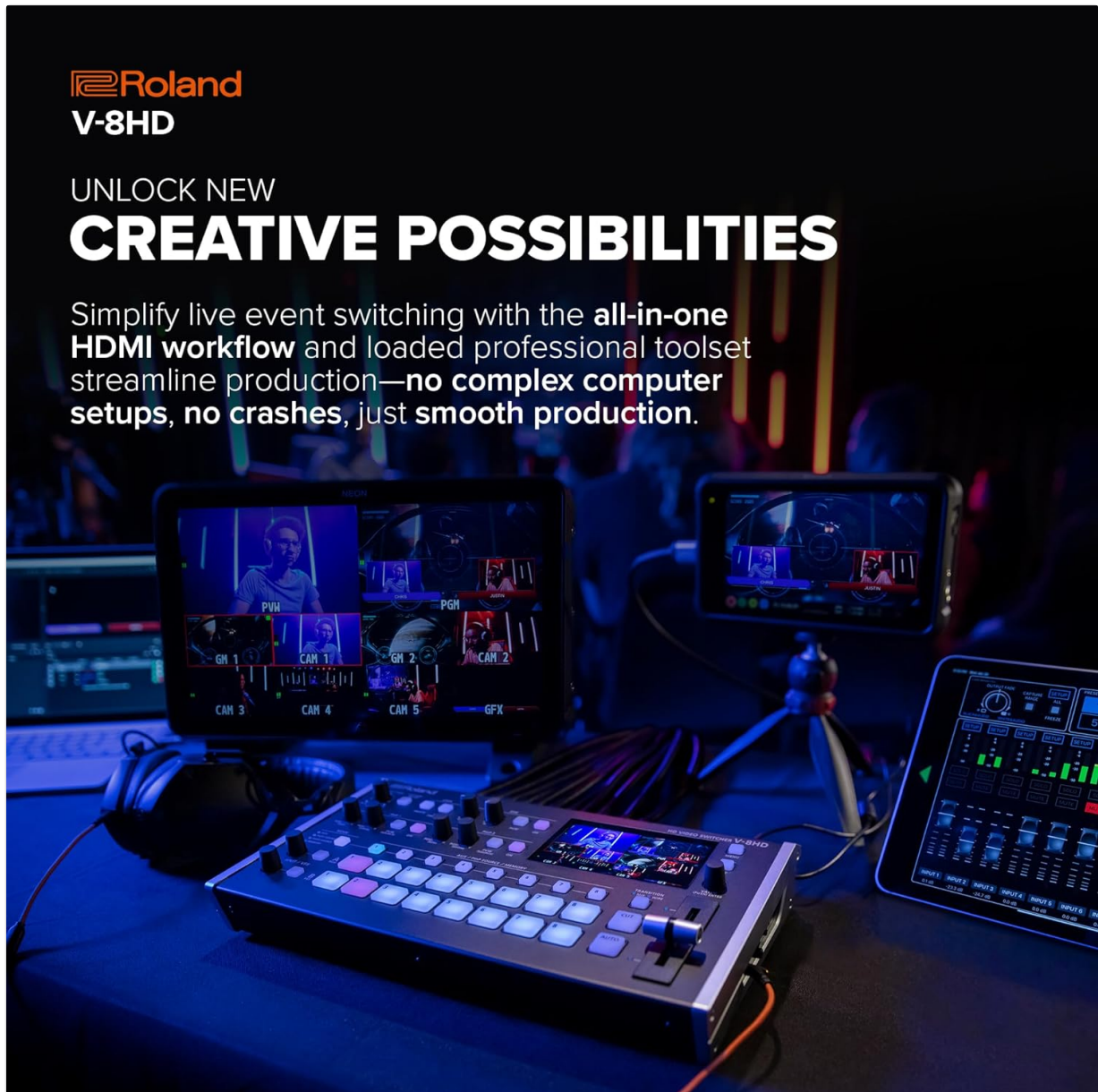


Figure 4.1: The Roland V-8HD integrated into a live production setup, showing its multi-viewer display and external monitors for comprehensive monitoring.

## 4.3 Effects and Keying Engine

The V-8HD's 5-layer effects engine enables complex visual compositions. This includes inserting keyed graphics such as lower thirds and utilizing two picture-in-picture (PinP) windows. Memory presets allow for seamless switching between different screen setups.



### Record Triggering & Confirmation.

As the centerpiece of your production, the V-8HD can trigger Atomos recorders via HDMI and can monitor the recording status of select cameras—so you can stay in control and never miss a take.



Figure 4.2: Diagram illustrating the V-8HD's 5-layer effects engine, showing how different visual elements like PGM, PST, PinP, and DSK are combined for layered video output.

## 4.4 Audio Mixing

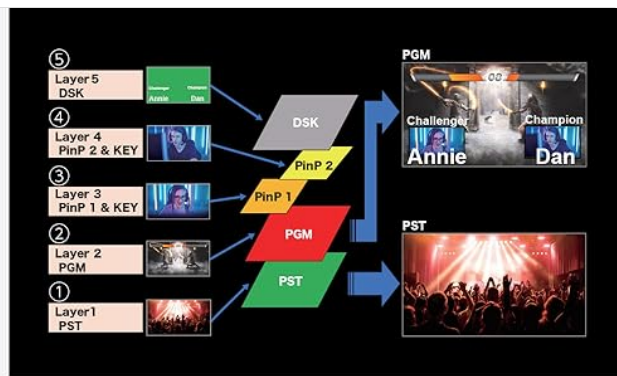
An 18-channel digital audio mixer is integrated, offering effects and sync delay on each channel for precise audio control.

## 4.5 Remote Control Options

The V-8HD can be controlled hands-free using optional BOSS footswitches, which can trigger over 100 commands. Additionally, the VenuSet app provides a customizable interface for easy control of Roland video products, allowing for tailored panels for switching, audio, scene memories, graphics, and more. VenuSet is available for iPad, Windows, and macOS.

## Set Up Layers, Effects, and Keys.

Combine all the action onto a single screen. The V-8HD's 5-layer effects engine inserts keyed graphics like lower thirds and two picture-in-picture windows. You can even seamlessly switch between screen setups, using the memory presets.



## Built-In Multi-Viewer Display.

The bright 4.3-inch multi-viewer lets you monitor all inputs, PGM, PVW audio levels, and camcorder status—no extra gear needed. For a larger view, connect an external display to access menus and stay focused on the action.

Figure 4.3: The Roland V-8HD connected to optional BOSS footswitches and controlled remotely via the VenuSet app on a tablet.

## 5. MAINTENANCE

To ensure optimal performance and longevity of your Roland V-8HD, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the unit with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Ventilation:** Ensure the ventilation openings are not obstructed to prevent overheating. The unit's fan is designed to keep it cool during operation.
- **Firmware Updates:** Check the official Roland website periodically for firmware updates to ensure you have the latest features and bug fixes.
- **Storage:** When not in use, store the unit in a cool, dry place away from direct sunlight and extreme temperatures.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with the V-8HD.

- **No Video Output:**
  - Verify all HDMI cables are securely connected to both the V-8HD and the display/recording device.
  - Ensure the correct input source is selected on the V-8HD.
  - Check that the output resolution and refresh rate of the V-8HD are compatible with your display.
- **No Audio Output:**
  - Confirm audio cables are properly connected to the V-8HD's audio outputs and your sound system.
  - Check the audio mixer settings on the V-8HD to ensure levels are not muted or too low.
  - If using HDMI embedded audio, ensure the source device is sending audio and the V-8HD is

configured to receive it.

- **Unit Not Powering On:**

- Ensure the AC adapter is correctly connected to the unit and a working power outlet.
- Verify the power switch is in the 'ON' position.

- **Unexpected Fan Noise:**

The V-8HD features an internal fan for cooling. While typically quiet, some operational noise is normal, especially under heavy load or in warm environments. Ensure proper ventilation around the unit.

For more detailed troubleshooting, refer to the official User Guide linked in Section 8.

## 7. SPECIFICATIONS

Detailed technical specifications for the Roland V-8HD.



Figure 7.1: Physical dimensions and weight of the Roland V-8HD.

Specification	Detail
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Model Number	V-8HD
Item Weight	5.1 pounds
Product Dimensions	12.48 x 7.6 x 2.76 inches
Compatible Devices	Monitor, various HDMI sources
Connector Type	HDMI
Color	Black/Grey
Cable Type	Auxiliary, HDMI
Date First Available	January 31, 2020

## 8. SUPPORT & DOCUMENTATION

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For further assistance and detailed information, please refer to the official user guide and Roland support resources.

- **Official User Guide (PDF):** [Download User Guide](#)
- **Roland Support:** Visit the official Roland website for product support, FAQs, and contact information.