## Roland VR-6HD

# Roland VR-6HD Audio/Video Mixer Instruction Manual

Model: VR-6HD

## Introduction

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Roland VR-6HD Ultra-compact Audio/Video Mixer. The VR-6HD is designed for professional livestreaming events, offering integrated video switching, audio mixing, and direct streaming capabilities.

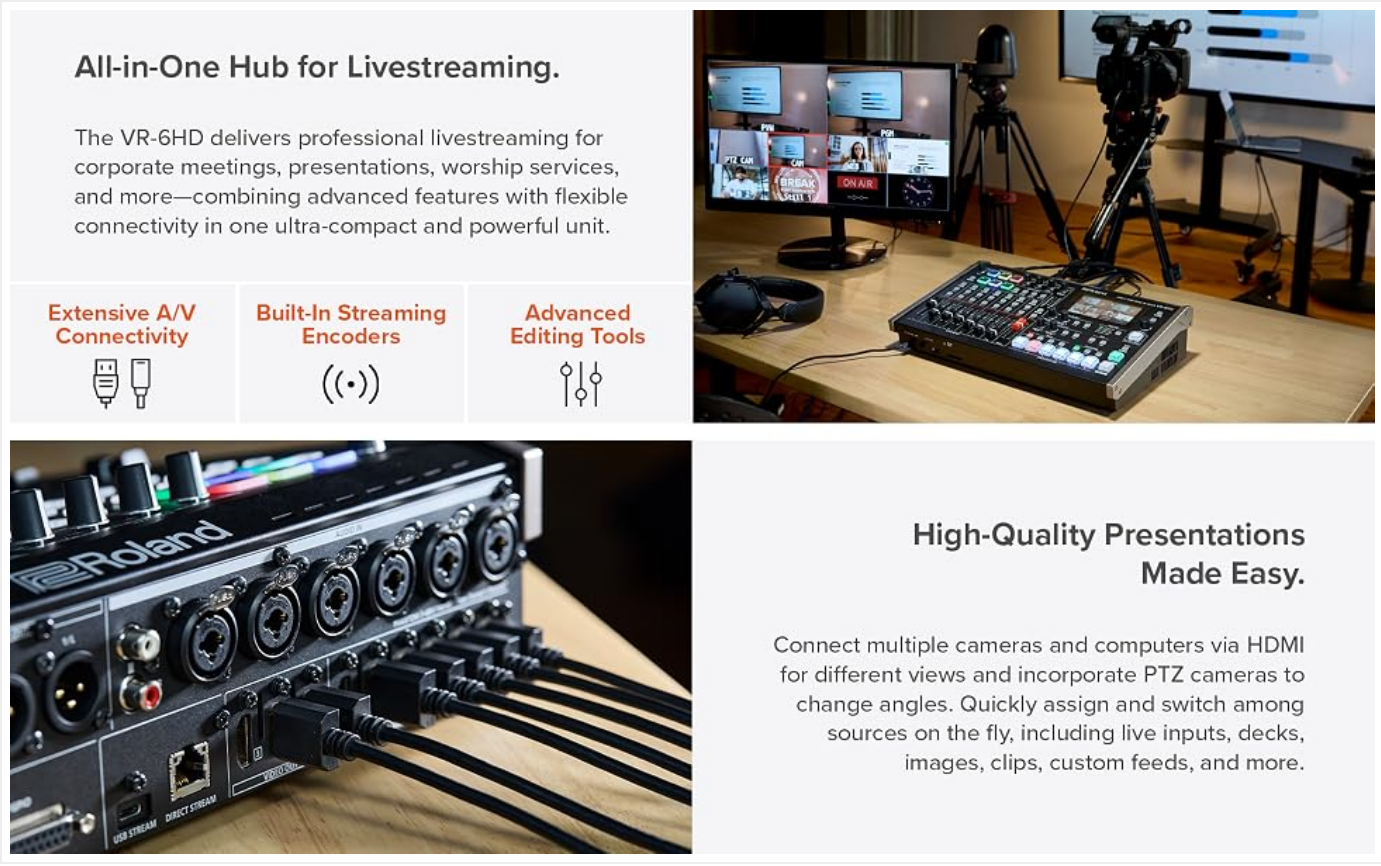



**Figure 1:** The Roland VR-6HD, a portable mixing hub for business livestreaming, showcasing its compact design and integrated features.

## 1. Setup

## 1.1 Unpacking and Initial Inspection

Carefully remove the VR-6HD from its packaging. Verify that all components listed in the "What's in the Box" section are present and undamaged. If any items are missing or damaged, contact your dealer immediately.




**Figure 2:** Contents of the VR-6HD package, including the main unit, owner's manual, and AC adaptor. Dimensions are also indicated.

## 1.2 Power Connection

1. Connect the supplied AC adaptor to the DC IN jack on the rear panel of the VR-6HD.
2. Plug the AC adaptor into a standard electrical outlet.
3. Ensure the power switch is in the OFF position before connecting the power.

## 1.3 Connecting Video Sources

The VR-6HD features six 1080p HDMI inputs. Connect your cameras, computers, or other video sources to these inputs.

- Use high-quality HDMI cables for optimal signal integrity.
- The unit includes frame rate converters and real-time scalers for seamless integration of various video formats.

### 1.4 Connecting Audio Sources

The VR-6HD offers extensive audio connectivity for microphones, line-level equipment, and external audio devices.

- **AUDIO IN 1-6:** Connect microphones or line-level equipment using XLR/TRS combo jacks.
- **AUDIO IN (7/L, 8/R):** Connect analog audio equipment such as a mixer via RCA or TRS jacks.
- **AUDIO OUT:** Output audio to external devices using XLR or TRS jacks.

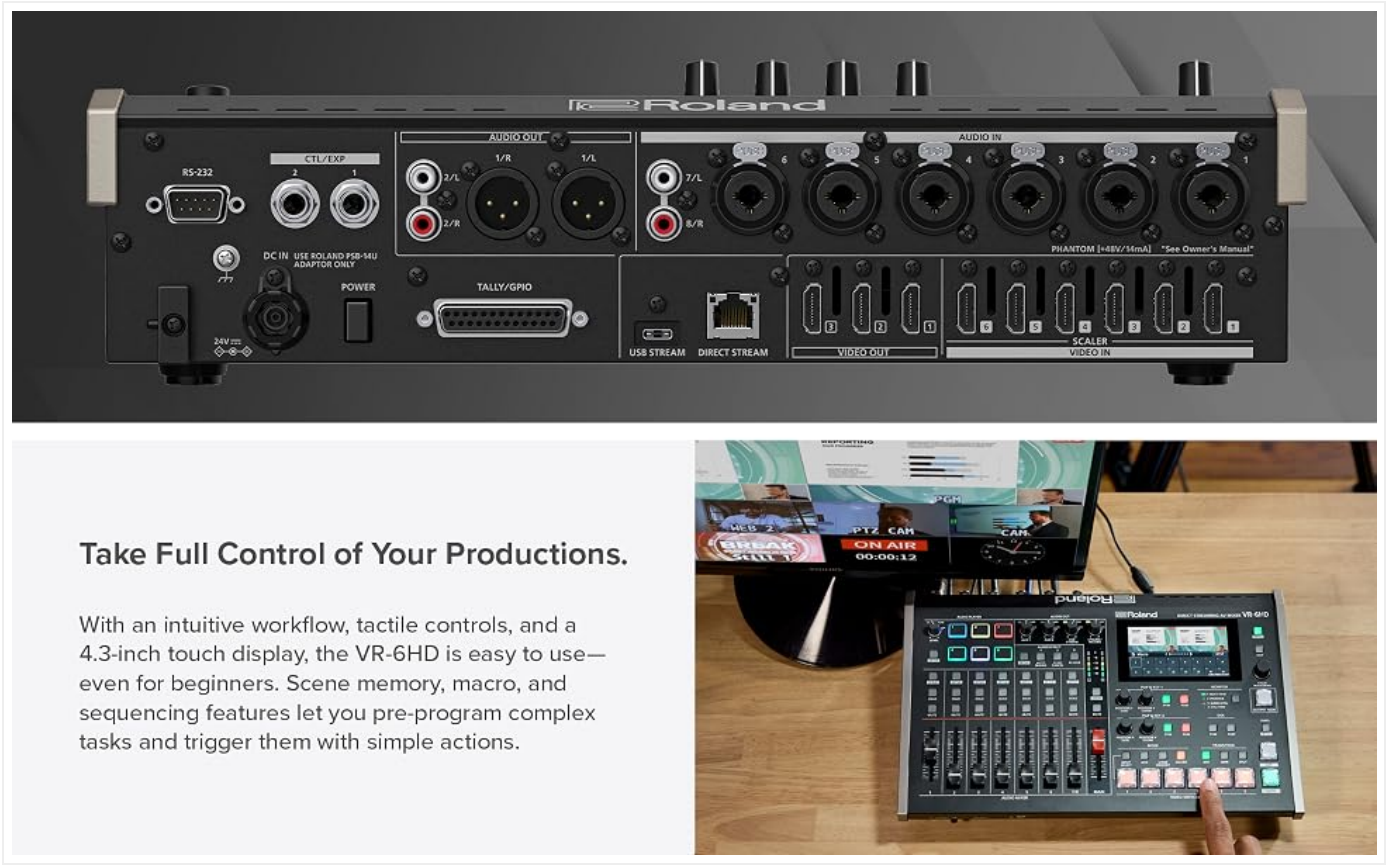



**Figure 3:** Detailed view of the VR-6HD's rear panel, illustrating various input and output ports for video, audio, USB, and direct streaming.

### 1.5 Network and USB Connections

- **DIRECT STREAM (LAN):** Connect an Ethernet cable for direct livestreaming to platforms.
- **USB STREAM:** Connect a USB cable to your computer for streaming or recording.
- **CTL/EXP:** Connect footswitches or expression pedals for external control.
- **RS-232:** For serial control of external devices.

## 2. Operating Instructions

### 2.1 Powering On/Off

1. To power on, press the POWER switch located on the rear panel.
2. To power off, ensure all operations are complete, then press the POWER switch.

### 2.2 Navigating the Touch Screen Display

The 4.3-inch touch screen display provides a graphical interface for controlling various functions, including video

switching, audio mixing, and system settings.

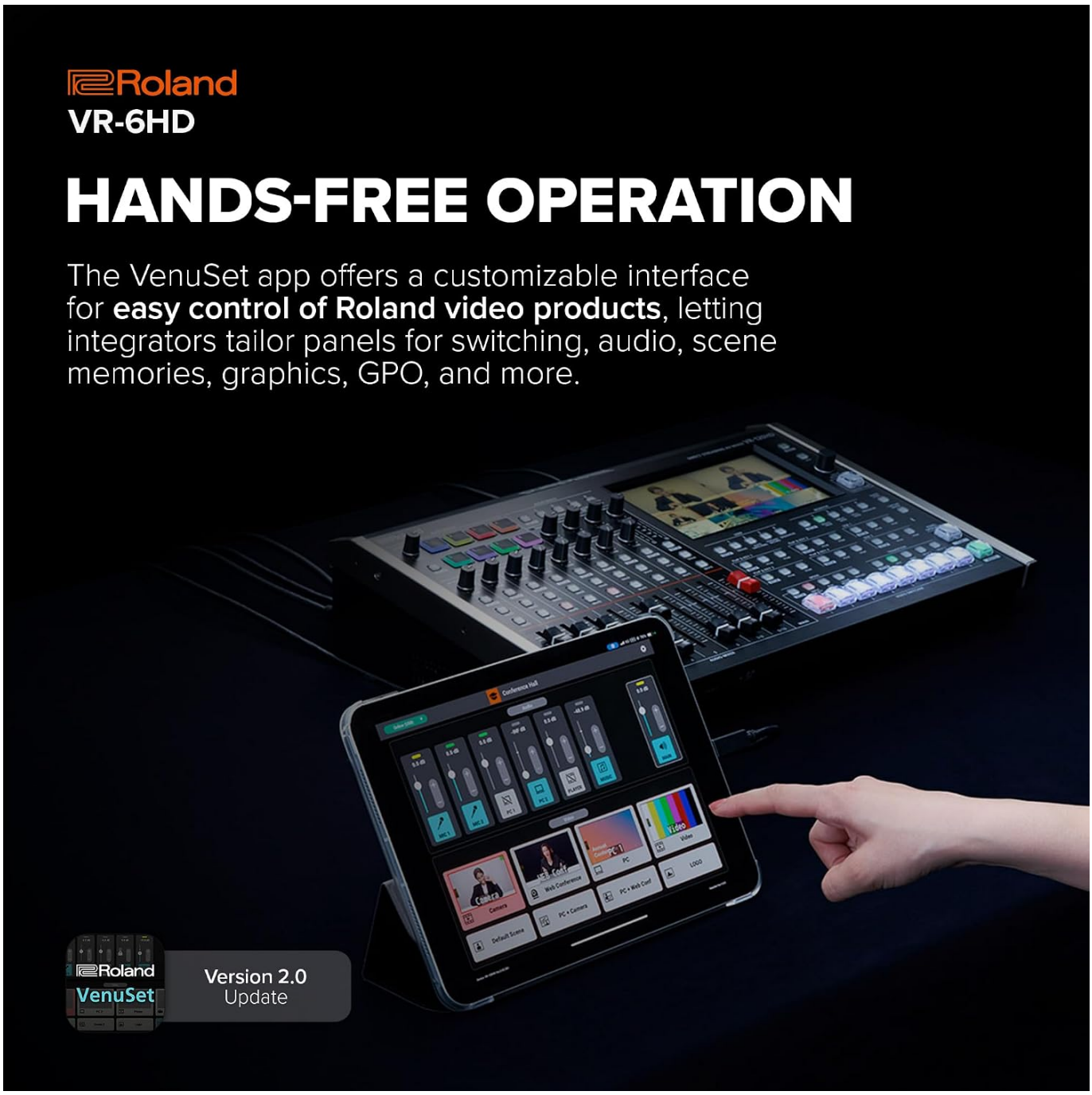



**Figure 4:** Close-up of the VR-6HD's 4.3-inch touch screen, showing the equalizer interface for precise audio adjustments.

## 2.3 Video Switching and Effects

The VR-6HD allows for seamless switching between six HDMI video inputs. Utilize the dedicated buttons and the touch screen for transitions and applying effects.

- Select input sources using the **INPUT SELECT** buttons.
- Apply a five-layer video effects engine for picture-in-picture (PinP), keying, and other visual enhancements.
- Use the **TRANSITION** section to choose between various transition types (MIX, WIPE, SPLIT, CUT).




**Figure 5:** The main control surface of the Roland VR-6HD, highlighting the audio mixer, video switcher, and touch screen display.

## 2.4 Audio Mixing

The integrated 28-channel digital audio mixer provides advanced effects and processing for all connected audio sources.

- Adjust individual channel levels using the faders.
- Utilize the **SETUP** buttons for each channel to access detailed settings like EQ, dynamics, and effects.
- The **AUTO MIXING** function can automatically balance audio levels.

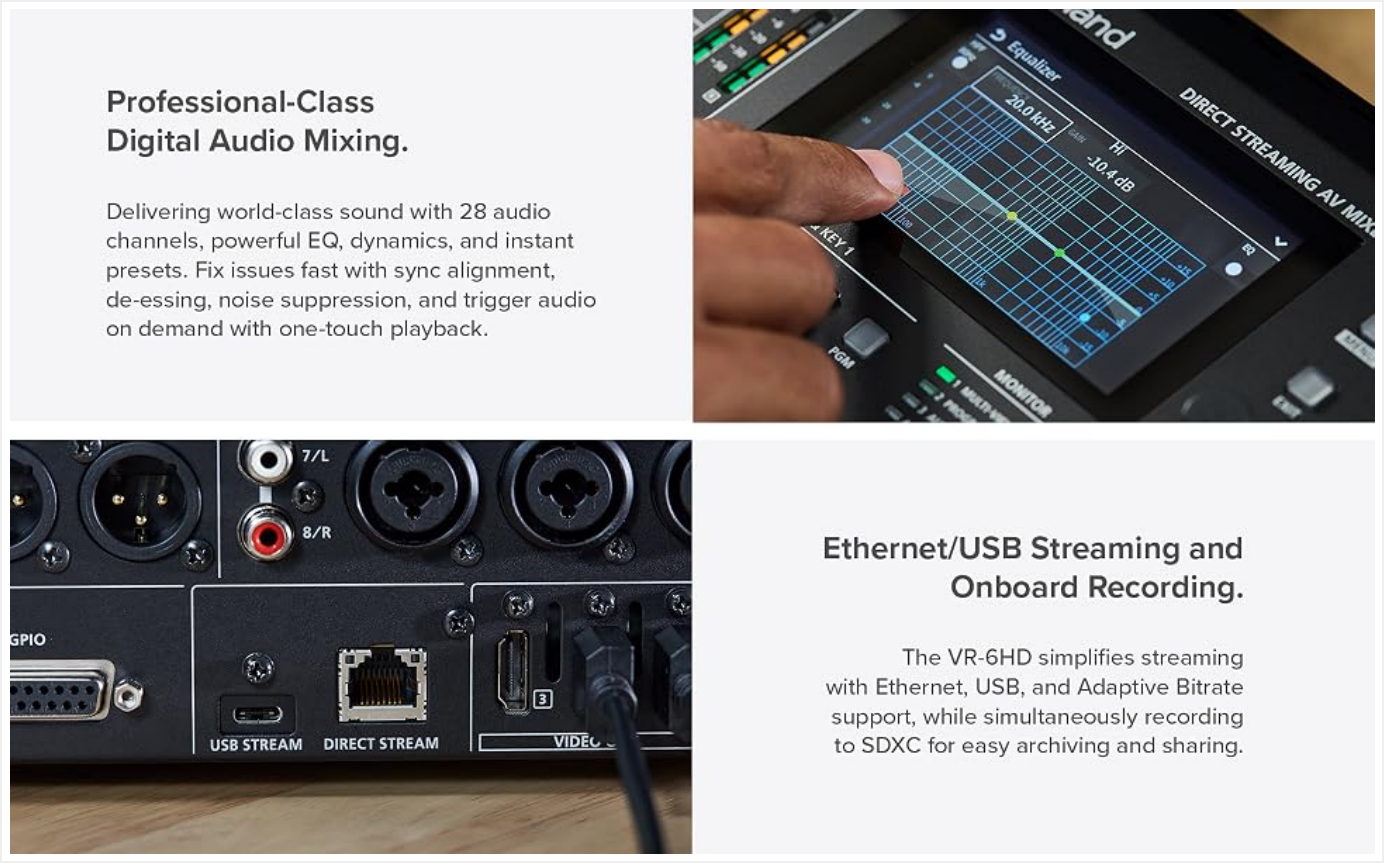



**Figure 6:** A close-up illustrating the professional-class digital audio mixing capabilities of the VR-6HD, including faders and the equalizer interface on the touch screen.

## 2.5 Livestreaming and Recording

The VR-6HD supports direct streaming via LAN and USB, as well as onboard recording to SDXC cards.

- Connect to a network for direct streaming using the **DIRECT STREAM** port.
- Connect to a computer via the **USB STREAM** port for streaming or capturing video/audio.
- Insert an SDXC card into the dedicated slot for onboard recording.

## 2.6 Advanced Control Features

- **Macro Sequencing:** Program complex tasks into one-touch macros for efficient operation.
- **PTZ Camera Control:** Control up to six PTZ (Pan-Tilt-Zoom) cameras directly from the VR-6HD, saving and recalling presets.
- **VenuSet App:** Use the VenuSet app (available for iPad, macOS, and Windows) for customizable remote control of switching, audio, scene memories, and graphics.

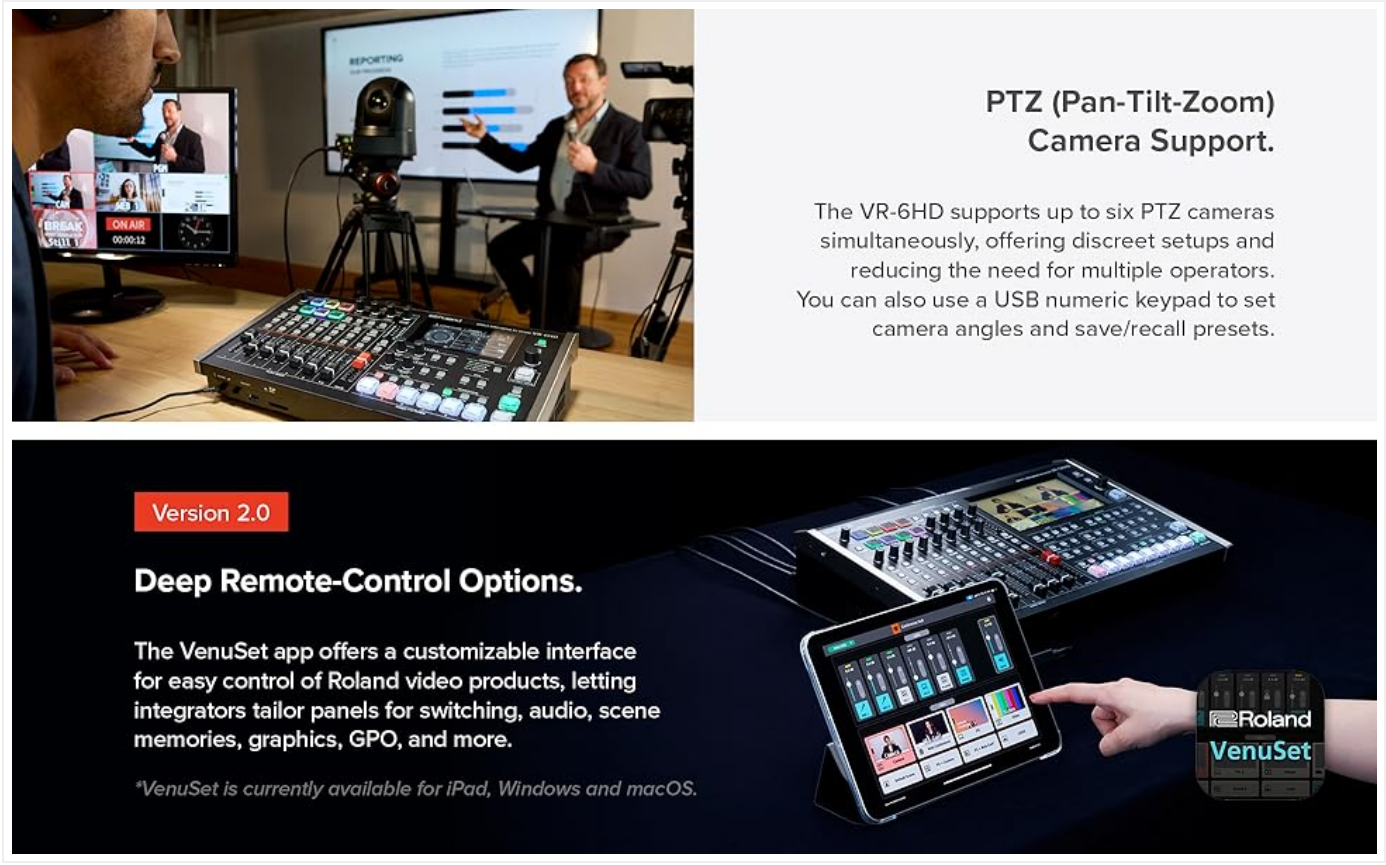



**Figure 7:** The VR-6HD in a production environment, demonstrating PTZ camera support and the VenuSet app for remote control on a tablet.

## 3. Maintenance

### 3.1 Cleaning the Unit

- Wipe the exterior of the unit with a soft, dry cloth.
- For stubborn dirt, use a slightly damp cloth and then dry thoroughly.
- Do not use abrasive cleaners, waxes, or solvents, as these can damage the finish.
- Avoid spraying liquids directly onto the unit.

### 3.2 Storage

When not in use for extended periods, store the VR-6HD in a cool, dry place, away from direct sunlight and extreme temperatures.

## 4. Troubleshooting

This section addresses common issues you might encounter with the VR-6HD. For more detailed troubleshooting, refer to the full owner's manual or contact Roland support.

### 4.1 No Power

- Ensure the AC adaptor is securely connected to both the VR-6HD and a working power outlet.
- Verify that the power switch on the rear panel is in the ON position.
- Check if the power outlet is functional by plugging in another device.

### 4.2 No Video Output

- Confirm that video sources are properly connected to the HDMI inputs.
- Check that the correct input is selected on the VR-6HD.
- Ensure output displays are connected to the **VIDEO OUT** ports and are powered on.
- Verify that the output resolution and refresh rate are compatible with your display.

### 4.3 No Audio Output

- Check all audio cable connections to and from the VR-6HD.
- Ensure input channel faders and the master fader are raised to an audible level.
- Verify that channels are not muted (SOLO/MUTE buttons).
- Confirm that external audio devices are powered on and functioning correctly.

## 5. Specifications

| Feature | Detail |
|---|---|
| Model Number | VR-6HD |
| Item Weight | 11 pounds (5 kg) |
| Product Dimensions | 18.9 x 14.15 x 8.8 inches (480 x 359 x 224 mm) |
| Number of Video Inputs | 6 (HDMI 1080p) |
| Number of Audio Channels | 28 (Digital Mixer) |
| Connectivity Technology | USB, LAN (Ethernet), HDMI, RS-232, Bluetooth |
| Power Source | Corded Electric (AC Adaptor) |
| Display | 4.3-inch Touch Screen Multi-Viewer |

## 6. Warranty Information

For detailed warranty information regarding your Roland VR-6HD, please refer to the warranty card included with your product or visit the official Roland website. Warranty terms and conditions may vary by region.

## 7. Support and Contact

If you require further assistance, technical support, or have questions not covered in this manual, please contact Roland customer support or visit their official website:

- **Roland Official Website:** www.roland.com
- Refer to the "Contact Us" section on the website for regional support details.

© 2023 Roland Corporation. All rights reserved.

## Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question