



Roland V-80HD

ProdCode: ROLV80HD

Direct Streaming Video Switcher



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Features

- Direct Streaming Video Switcher
- Professional eight-channel switcher with a compact footprint and comprehensive features
- Supports a variety of applications, including in-person events, conferences, web streaming, houses of worship, and studio production setups
- Four 3G SDI inputs with frame rate converters
- Four 1080p HDMI inputs, including two 4K inputs with HD downscalers and through outputs
- Seven total outputs include SDI, HDMI, USB-C streaming, and LAN (RTMP/SRT)
- Two 3G SDI and three HDMI outputs plus 10 assignable buses
- 28-channel digital audio mixer and three output buses with effects and processing
- Five-layer video effects engine, including two PinP windows with key composition and DSK
- Easily create stunning titles and motion graphics with the companion Graphics Presenter software for Windows
- 32-slot still store function supports screen capture or uploaded BMP, JPEG, and PNG images via alpha channel in the internal non-volatile memory
- Powerful live production automation with sequencing, macros, and scene

memories

- Integrated PTZ camera control with simultaneous support for multiple brands and mixed protocols
- Eight assignable pads for controlling up to 64 discreet functions
- Extensive device control with Bluetooth, USB, RS-232, and LAN
- Wireless and wired camera tally support
- Remote control software available for iPad, macOS, and Windows

Compact and powerful, the V-80HD covers professional video production needs for in-person events, livestreaming, studio productions, and other applications. The all-in-one design is easy to carry and set up, while flexible I/O features support 3G SDI, HDMI, USB 3.0, and LAN (RTMP/SRT) connections. The V-80HD also includes multi-channel audio mixing and effects, integrated control for PTZ cameras, and remote operation with video monitoring via dedicated control apps. And with the companion Graphics Presenter software, you can easily enhance productions with impressive titles, motion graphics, and more.

Multiple Video Inputs

The V-80HD features versatile input connectivity with HDMI for common A/V devices and SDI for long cable runs and high-end cameras. Eight total channels are available, enabling seamless switching for up to four HDMI and four SDI input sources. Two 4K HDMI inputs are equipped with downscalers and the ability to send parallel connections to gaming consoles at eSports events. Additionally, an SRT input can be assigned to a cross-point button together with an SDI and HDMI input.

Versatile Video Outputs and Flexible Routing

With its multiple assignable outputs—including two SDI and three HDMI video outputs, a USB-C streaming output, and LAN (RTMP/SRT)—the V-80HD puts a high-end video matrix at your command. Each output can be assigned to 10 buses, allowing you to feed program displays, auxiliary monitors, multi-view producer displays, and online audiences all at once.

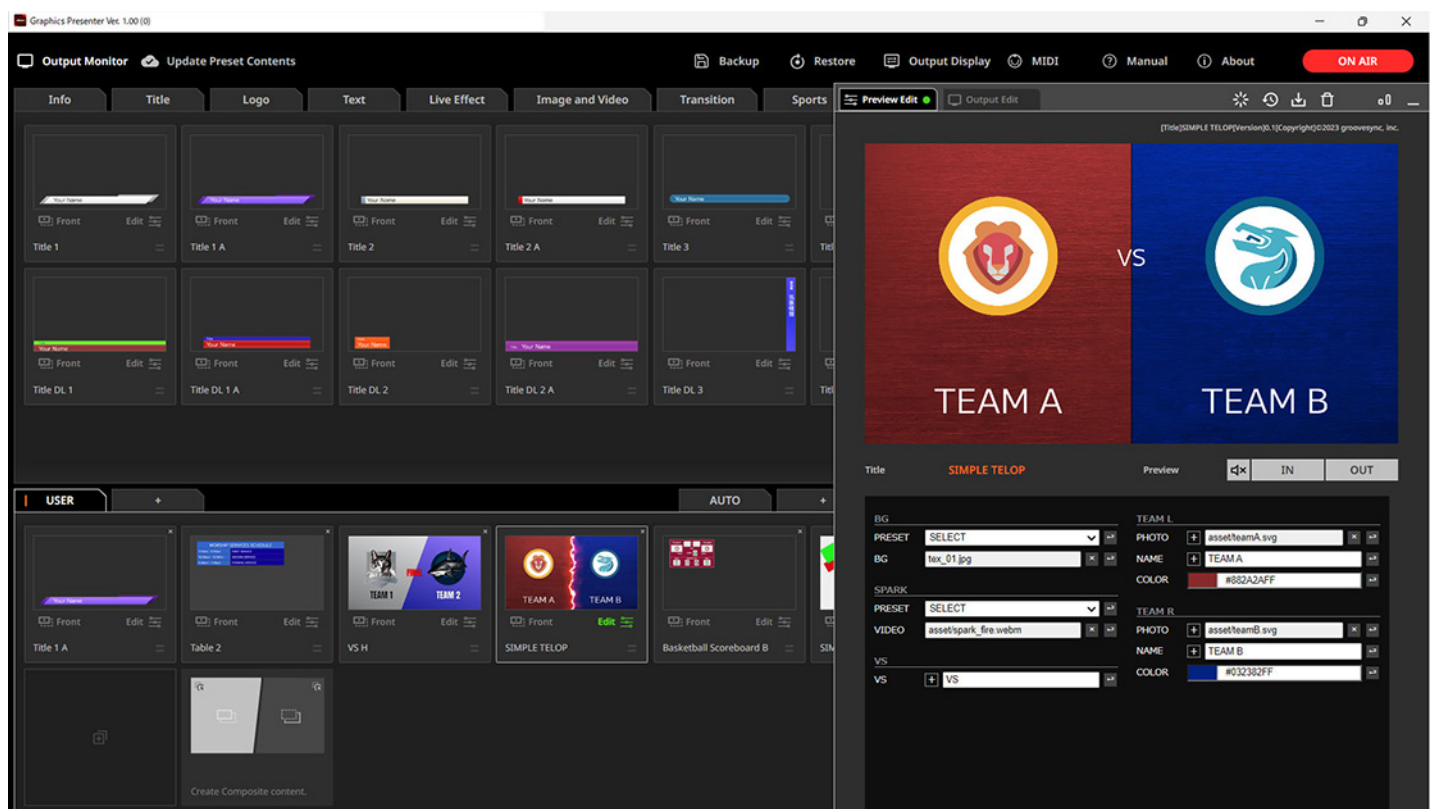
Powerful Video Effects Engine

The V-80HD is filled with tools to elevate presentations with impressive video effects and graphics. The onboard effects engine features five composition layers that include a split-screen effect, two PinP windows with key composition, and one DSK with fill/key composite support. It's simple to create common layouts, such as a business presentation with an individual speaker, image slides, and a title on a background. PinP and DSK layers can be managed individually on the Program, Sub-Program, and two Aux outputs, providing flexibility for any production need.

Professional Graphics Made Easy

The Graphics Presenter software for Windows allows you to create stunning titles and graphics without the need for expensive third-party graphic presentation solutions.

Setup with the V-80HD is quick and straightforward, requiring only a single HDMI connection to send fill and key signals from the computer to the switcher. Graphics Presenter offers an intuitive workflow with a wide selection of ready-to-edit templates, including animated title text, sports scores, motion graphics, and more. The software and templates are available free of charge, and additional content is periodically provided for download on Roland Cloud.



Plug-and-Play Streaming

The V-80HD uses the same connection technology as webcams, providing a plug-and-play streaming experience. Simply connect the USB-C output to a computer or smartphone and start streaming with Zoom, Microsoft Teams, or any platform that can use a webcam as its source. LAN connectivity is also supported, allowing you to stream directly to YouTube, Facebook Live, Twitch, or any RTMP platform without a computer.

Secure AV Transmission with SRT

The V-80HD supports SRT (Secure Reliable Transport), an open-source standard for AVoIP that provides secure encrypted audio and video transmission over IP networks. It also offers future-proof connectivity within installed system configurations. SRT allows you to seamlessly extend your V-80HD production capabilities via LAN or an internet connection. Access camera images from remote locations and switch them along with local HDMI and SDI sources. And send a dedicated SRT video output to an external destination, such as another building at the production location.

SDXC Card Recording

With the V-80HD's onboard recorder, you can easily capture an event to an SDXC card and provide your client with an H.264 MP4 video file* for their editing and distribution needs. Stereo WAV audio can also be recorded independently for podcasts and other audio-driven media. It's even possible to capture still images to internal memory from any video output bus and save them to the card for later use.

*The recording bitrate is the same as the livestream encoding bitrate.

PTZ Camera Support

Robotic PTZ (pan-tilt-zoom) cameras greatly expand production capabilities, offering extended coverage with studio-grade broadcast quality. And thanks to their small size, they can be placed in discreet locations where larger cameras aren't practical.

The V-80HD includes built-in control support for select Canon, JVC, Panasonic, Sony, PTZOptics, Avonic, and VISCA-compatible PTZ LAN cameras. Mix and match different brands and operate up to 8 PTZ cameras simultaneously. The V-80HD Remote iPad App is an ideal companion for PTZ operation, providing remote camera controls and video monitoring from the tablet.

Rapid Workflow with Scenes and Macros

Storing and recalling custom looks can be accomplished with just a few button presses on the V-80HD. The 32 scene memories and powerful effects engine work together to provide seamless scene changes, including synchronizing the transition of all composition layers at the program output. The 100 macros go even deeper, allowing you to build and fire off complex action lists that include switching, DSK on/off, audio mixing adjustments, PTZ camera movements, and much more.

Our free remote control software for macOS, Windows, and iPad further enhances this workflow, providing a large graphical interface for setting up and previewing actions before you take them live.

Sequencing Magic

The V-80HD's sequencer makes scenes and macros even more powerful, allowing a single operator to execute perfectly timed cues with ease. You can record up to 1000 steps, and each step can include both scenes and macros. Streamline your productions by setting up cues ahead of time in the sequence list and triggering them in order using the Next button on the panel.

Professional Audio Mixing and Effects

The V-80HD features 28 channels of audio mixing plus a wide selection of processing tools, I/O routing options, and automation features. Enhance sounds with ready-to-use effects, including high-quality vocal processing and a useful Loudness Gain function to manage levels while streaming. With the onboard Audio Player, it's simple to integrate dedicated music and sound effects into every production. Three output buses are available, ready to support complex routing needs for streaming events and studio recording configurations.

Customizable Control Pads

Eight user-assignable pads give you quick control of many V-80HD functions. The pads are organized into eight banks, providing direct access to 64 different operations. Call up scenes, macros, and sequencer steps, trigger audio and video clips, start/stop streams, and more. It's even possible to control functions in the Graphics Presenter software when the host computer is connected to the V-80HD via USB.

Deep Remote-Control Options

The V-80HD supports extended workflows with dedicated software apps and a variety of remote devices.

- The free V-80HD Remote app for iPad supports wireless connectivity, allowing you to operate functions at events via a portable touch interface.
- Use the free V-80HD Remote Control Software to operate the switcher from a large display on a Mac or Windows computer.
- Connect a USB numeric keypad to control video transitions and other functions.
- Connect footswitches or expression pedals to execute over 100 different switcher commands.
- Trigger start/stop on select third-party recorders over HDMI.
- Seamlessly integrate with system installations via the RS-232 and TALLY/GPIO D-Sub connectors.

V-80HD iPad Remote Control Utility

The dedicated V-80HD Remote app turns an iPad into an efficient touch interface for the V-80HD, with versatile connectivity via USB, Bluetooth, or a wireless LAN (Wi-Fi) connection. Run essential switching functions, mix audio with virtual faders, quickly change settings and parameters, and create scenes for fast and efficient setup changes. It's also possible to monitor video and control switching functions from the app with the latest iPad models and a USB connection.*

*Program, Aux, PinP, and DSK can be monitored and switched. Requires a 3rd generation iPad Pro/5th generation iPad Air or

later with USB-C (USB 3.0) and iPadOS 17 or later.

V-80HD RCS for macOS and Windows

Use the V-80HD RCS application for macOS and Windows to control nearly all V-80HD functions remotely from your computer via USB, RS-232, wired LAN, or wireless LAN (Wi-Fi) connections. The V-80HD RCS can run at the same time as your streaming software over USB, allowing you to manage all video and audio switching from your computer screen, including some operations that are unavailable from the V-80HD panel.

