

*Rack mount multi-format video switcher for applications  
requiring seamless switching of standard definition,  
RGB (PC/Mac) and hi-definition sources*

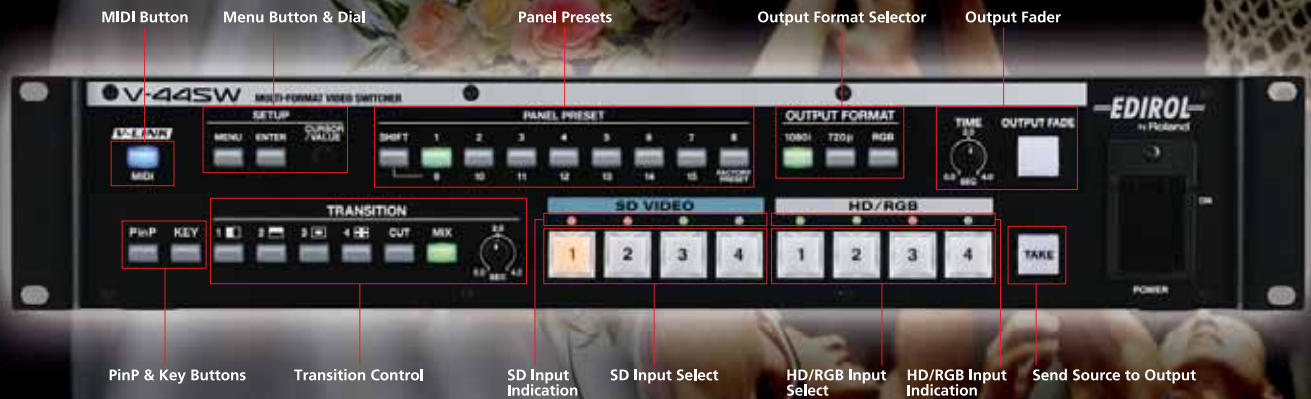


MULTI-FORMAT VIDEO SWITCHER

**V-44SW**

# Seamless mixing of multiple video

With the capability to input 4 SD video sources and 4 HD or RGB sources, the V-44SW enables seamless switching of multi-format video signals. With the ease of operation and compact rack size, the V-44SW is a great fit for any installation and any video application.



## Mix Multiple Input formats

Like the V-440HD Multi-Format Video Mixer, the V-44SW supports multi-format signals like HD video (1080i/720p component), SD video (S-Video/Composite) and RGB from PC/Mac (from VGA to SXGA).

## Choose from Various Output Formats

Output format is selectable from various types: 1080i or 720p for HDTV and RGB for computer displays, plasmas and projectors. SD inputs are up-converted for HD or RGB output.

## Proven Reliability

The highly reliable internal circuitry of the V-44SW enables it to be the trusted cornerstone of any video presentation system.

## Examples of PinP/Keyer

Using a computer as a source for high resolution images and graphics and sending them through the V-44SW's Key and Picture in Picture effects is an effective, low-cost alternative to higher priced dedicated graphics and character generators. The PinP and Key Effects can be used simultaneously.



## Remote Controllable

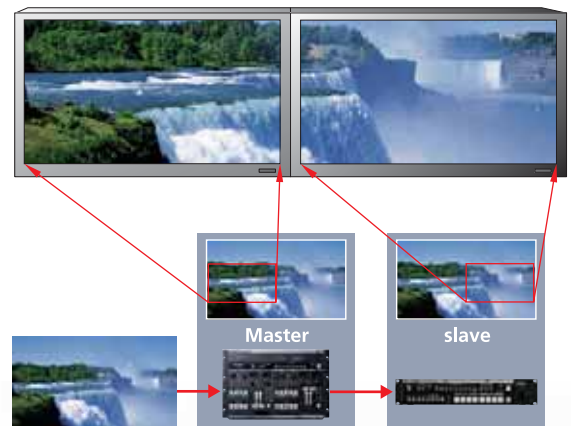
V-44SW can be remote controlled from various external devices via MIDI or RS-232C serial interface. This enables the use of customized user interfaces to match specific applications resulting in even more intuitive control.

## Extremely Easy Operation

Most of the operations can be completed simply by pressing input select buttons. This enables people with little knowledge or skills to fully control the unit.

## Multi-Screen setup in compact space

V-44SW can function as a slave unit of any V-440HD. This enables multi-screen/video wall setups in compact spaces at an affordable price.



# formats with operational ease

- Applications**
- Banquets
  - Sports Venues
  - Ceremonies
  - Churches
  - Amusement parks
  - Museums
  - Corporate presentations
  - Boardrooms
  - Trade Shows
  - Concerts & Musical Events
  - Rental & Staging

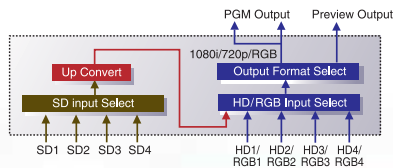


## Preview sources before outputting

A key feature of the V-44SW is it's "flip-flop" type preview function. You can check the source image on a preview monitor prior to sending the signal to the Program output. Simply press the TAKE button on the front panel and the selected source signal being previewed is sent to Program output.



## Signal Flow for seamless switching

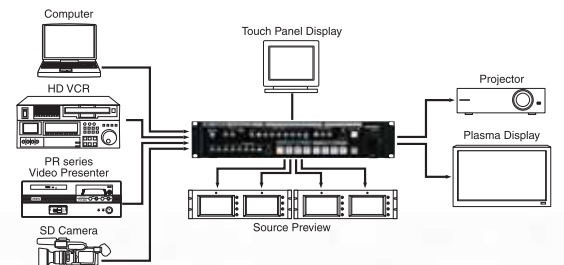


## Instant recall of switcher settings

Like the V-440HD Multi Format Mixer, the V-44SW is equipped with a Panel Preset function. You can instantly recall the desired configuration of input channel selection, PinP settings and Key setup, etc. directly from the front panel buttons. Enables instant and speedy setup.



## Installation Examples with multiple sources and outputs



# Specifications

Video Processing		
Video Format	SD	NTSC or PAL [CVBS, S(Y/C)]
	HD	1080/59.94/50i SMPTE274M (Y/Pb/Pr TriLevel Sync) 720/59.94p/50p SMPTE296M (Y/Pb/Pr TriLevel Sync)
		640x480/60/75, 800x600/60/75, 1024x768/60/75, 1280x768/60/75, 1280x1024/60, 1366x768/60/75 (*1) (RGB VH:positive/negative logic) * VESA DMT Version 1.0 Revision 10 conform
Video Sampling	SD	4:2:2 (Y/Pb/Pr) 8-bit 13.5 MHz (BT.601)
Video Transition	HD	4:4:4 (Y/Pb/Pr) 8-bit 74.1758 MHz / 74.25 MHz
	RGB	4:4:4 (R/G/B) 8-bit 25 MHz to 110 MHz
Video Composition	Picture in Picture, Chroma Key (Blue/Green), Luminance Key(White/Black)	

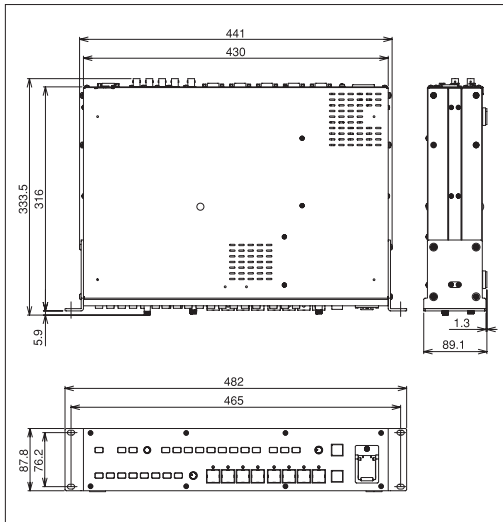
Functions	
Multi-screen Presentation	Screen Setup (width by height): 2 x 1, 3 x 1, 2 x 2, 3 x 2 (*2)
Master Fade	Auto (0 to 4 seconds) Black or White

(\*1) 1366 x 768 is for output only.  
(\*2) For multi-screen setups, V-44SW works as slave unit only. V-440HD is required as a master unit.

Connectors	
SD Input	S-Video (Y/C) Preferential x 4: 4 pin mini DIN type (Y: 1.0 Vp-p, C:0.286 Vp-p, 75 ohms) Video (composite) x 4:BNC type (1.0 Vp-p, 75 ohms)
HD/RGB Input	D-SUB 15pin Shrink Type for HD/RGB x 4 HD: Y/Pb/Pr (1.0 Vp-p, 75 ohms, TriLevel Sync) RGB:R/G/B (0.7 Vp-p, 75 ohms), H (5VTTL), V (5VTTL)
Menu Output	Video (composite) x 1: BNC type (1.0 Vp-p, 75 ohms)
PGM Output	HD/RGB : D-sub 15 pin Shrink Type x 2 (0.7 Vp-p, 75 ohms, 5 VTTL Sync)
Preview Output	HD/RGB : D-sub 15 pin Shrink Type x 1 (0.7 Vp-p, 75 ohms, 5 VTTL Sync)
Remote Control Interfaces	MIDI 5 pin DIN Type (In, Out,Thru), RS-232C D-sub 9pin

Others	
Power Supply	AC 117 V, AC 230 V, AC 240 V (50/60 Hz)
Power Consumption	50 W
Dimensions and Weight	482 (W) x 308 (D) x 88 (H) mm *EIA-2U Rack Mount Size 6kg
Signal Latency	SD Input - HD/RGB Output : 2 frames HD/RGB Input - HD/RGB Output : 1 frame

## Dimension Chart (mm)



## Block Diagram

