

SW HDMI Series

TWO AND FOUR INPUT HDMI SWITCHERS

- Compatible with all HDTV rates including 1080p, and PC resolutions up to 1920x1200
- Independent input equalization
- Source signal presence indication
- RS-232 control
- IR remote control with optional IR 102
- Rack-mountable 1U, half rack width metal enclosure
- External international power supply included



SW2 HDMI



SW4 HDMI

The SW HDMI Switcher Series are two and four input HDMI switchers used to switch HDMI signals including embedded multi-channel digital audio, and CEC - Consumer Electronics Control signals. These switchers are ideal for use in lecture halls, conference rooms, auditoriums, home theaters, medical applications, and other applications where multiple HDMI sources need to be switched to one digital display device.



Extron® Electronics

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DESCRIPTION

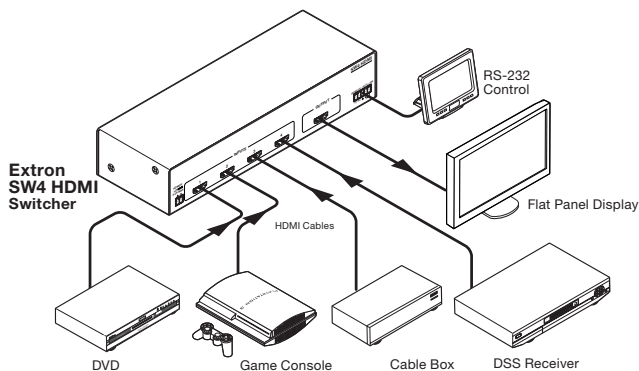
The SW2 HDMI and SW4 HDMI are two and four input, one output, HDMI switchers that allow multiple HDMI inputs, CEC signals, and embedded multi-channel digital audio to be switched to one compatible display. These switchers are compatible with all HDTV resolutions up to 1080p and PC resolutions up to 1920x1200 at 60 Hz. Independent input equalization, with user-selectable levels, compensates for long HDMI cables, and reduces the need for additional signal conditioning equipment.

Convenient control options allow easy integration into a variety of environments. These options include front panel control, IR, and RS-232. To further simplify integration, both SW HDMI switchers are housed in compact, 1U, half rack width enclosures that are easily mounted into optional Extron 1U Universal Rack Shelf Kits.

FEATURES

- HDMI, CEC, and embedded multi-channel digital audio switching
- Compatible with all HDTV rates, including 1080p, and PC resolutions up to 1920x1200
- Independent input equalization
- Source signal presence indication
- RS-232 control
- IR remote control with optional IR 102
- Rack-mountable 1U, half rack width metal enclosure
- External international power supply included

APPLICATION DIAGRAM



SPECIFICATIONS

VIDEO

Gain	Unity
Maximum data rate	1.65 GHz data rate
Switching speed	200 ns (max.)
Resolution	Up to HDTV (1080p) or 1920x1200 @ 60 Hz (the highest resolution of the single link DVI standard)
HDCP	Switched/pass-through

VIDEO INPUT

Number/signal type	2 or 4 HDMI digital component video
Connectors	2 or 4 female HDMI type A
Nominal levels	
Digital video	1.2 Vp-p
DDC (Display Data Channel)	TTL: 5.0 Vp-p
Minimum/maximum levels	0.5 V to 1.0 Vp-p with no offset
Impedance	100 ohms
Equalization	Switch selectable for up to -12 dB of cable loss
TDMS clock jitter	0.30 Tbit relative to ideal recovery clock
NOTE: Tbit = one tenth of the pixel time.	
TDR rise time (10%-90%)	<200 ps

VIDEO OUTPUT

Number/signal type	1 HDMI digital component video
Connectors	1 female HDMI type A
Nominal level	1.2 Vp-p
Minimum/maximum levels	0.5 V to 1.0 Vp-p (follows input)
Impedance	100 ohms
TDMS clock jitter	0.25 Tbit (max.) relative to ideal recovery clock
NOTE: Tbit = one tenth of the pixel time.	
Rise time (20%-80%)	>75 ps
Fall time (20%-80%)	>0.4 Tbit

CONTROL/REMOTE – SWITCHER

Serial control port	(1) RS-232, 3.5 mm captive screw connector, 5 pole
Contact closure	(1) 3.5 mm captive screw connector, 5 pole (shared with RS-232)
IR controller module	IR 102 remote control (optional) 30' maximum, 40 degrees off axis
Program control	Extron's control/configuration program for Windows® Extron's Simple Instruction Set (SIS™)

GENERAL

External power supply	100 VAC to 240 VAC, 50/60 Hz, external; to 12 VDC, 1 A, regulated
Power input requirements	12 VDC, 0.7 A
Rack mount	Yes, with optional 1U, 9.5" deep rack shelf, part #60-190-01 (RSU 129) or 60-604-01 (RSB 129); Also furniture mountable with optional Under Desk Mounting Kit, #70-077-01 (MBU 125); or Through Desk Mounting Kit, #70-077-02 (MBD 129).
Enclosure type	Metal
Enclosure dimensions	1.75" H x 8.75" W x 3.0" D (1U high, half rack wide) 4.4 cm H x 22.2 cm W x 7.6 cm D
Product weight	0.5 lbs (0.3 kg)
Shipping weight	2 lbs (1 kg)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
Warranty	3 years parts and labor
NOTE: All nominal levels are at ±10%.	

Model	Version Description	Part Number
SW 2 HDMI	Two Input HDMI Switcher	60-841-01
SW 4 HDMI	Four Input HDMI Switcher	60-841-02

Optional Accessories		
IR 102	Remote Control Replacement IR Remote	70-224-10

Specifications are subject to change without notice.



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