

4K READY

Switchers

PS100 DATA SHEET

4 X 1 HDMI SWITCHER WITH AUDIO OUT

The PS100 is a next generation super high resolution 4 X 1 HDMI switcher with stereo audio output extracted from the selected source. This switcher supports a wide range of HDTV and PC/VESA resolutions up to 4K2K (3840x2160). Users are able to select a source by pressing the push-button selector located on the front of the unit or by using an IR (infra-red) remote. Each system ships with an under-table mounting kit for small boardrooms and conference room tables. By default, the PS100 allows sources to negotiate the preferred output resolution by interfacing directly with the room's display. An EDID selector feature is used to optionally force sources to output a specific resolution.



PS100 Front Angle View



PS100 Back View



COMMON APPLICATIONS

The PS100 is commonly used in small conference rooms, boardrooms, and collaborative spaces where multiple multimedia devices share a single display. HDMI is the most common signal format used in corporate, consumer, and mobile devices.

The built-in stereo audio extractor is perfect when the audio from the flat panel display or projector is inadequate. Audio from the PS100 can be sent to a set of local powered speakers for simple, easy to use, and cost effective sound amplification.

FEATURES

4K2K 1080p is no longer the highest resolution standard for consumer products. 4K2K (3840x2160) or "Ultra HDTV" is quickly becoming the new standard, especially in larger flat panel display systems. The PS100 supports a wide array of HDTV and PC/VESA resolutions - including the new 4K2K standard.

AUDIO OUTPUT Often, the sound coming from a flat panel display or projector is inadequate for smaller boardrooms, conference rooms, and collaborative presentation spaces. In these situations the audio from the PS100 is connected to a set of local powered speakers. Whether the source is a desktop computer, laptop, iPad™, or BluRay™ player with HDCP encrypted content, the audience will hear everything. In some classroom situations, audio from the PS100 is wired to an integrated microphone mixer then to the speakers for microphone "voice lift" support within the classroom.

PUSH-BUTTON CONTROL Simple push-button source selection makes controlling the PS100 simple. LEDs on the front panel always indicate which source has been selected.

IR CONTROL An IR (infra-red) remote ships with each PS100 for simple source selection. Many 3rd party controllers, such as Crestron, AMX, Extron, FSR, HRS, and others provide additional controllers that can control the PS100. These controllers include wall-mount, table-top, and tilt-up button and color touch-panel controllers.

UNDER-TABLE MOUNT Each unit ships with under-table mounting brackets and screws.

LOW PROFILE The small foot print of the PS100 make this product perfect for under-table solutions keeping the electronics well away from knees and feet of end-users.

HDCP Full HDCP (High Definition Content Protection) compliant.

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TECHNICAL DATA

HDMI INPUT

Format:	(4) HDMI V1.4, 19-pin, female
Signal:	0.5-1.5Vp-p, DDC Lines: 5 Vp-p, TTL
Impedance:	100 Ohm
AV Formats:	Repeater mode: HDPlay-RX to HDMI-Tx, IEC 60958, IEC 61937, HBR Streams (Dolby TrueHD, DTS-HD, MPEG2), one bit audio (SACD), DST (compressed DSD). S/PDIF compliant with IEC 60958 and IEC 61937, HBR Streams (Dolby TrueHD, DTS-HD, or MPEG2), PCM

HDMI OUTPUT

Format:	(1) HDMI Type A, female, HDMI V1.4 6.75 Gbps (2.25 Gbps per color), 225 MHz Bandwidth
Supported Resolutions, HDTV:	480i@29.97/30/60/119.88/120Hz, 480p@59.94/119.88/120/240Hz, 576i@25,50,100Hz, 576p@50/100/200Hz, 720p@50/59.94/60/100/119.88/120Hz, 1080i@25/29.97/30/50/59.94/60Hz, 1080p@23.976/24/29.97/30/50/59.94/60Hz 3840x2160@30Hz (4K/2K)
Supported Resolutions, PC/VESA:	640x350@85Hz, 640x400@85Hz, 640x480@60/67/73/75/85Hz, 720x400@85, 800x600@56/60/72/75/85Hz, 832x624@75Hz, 852x480@60Hz, 1024x576@60Hz, 1024x768@42/60/70/75/85Hz, 1152x864@75Hz, 1152x870@75Hz, 1280x768@60/75/85Hz, 1280x960@60/85Hz, 1280x1024@60/75/85Hz, 1360x768@60Hz, 1365x1024@60/75Hz, 1400x768@60Hz, 1400x1050@60Hz, 1440x960@72Hz, 1600x1024@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1080@60Hz, 1920x1200@60Hz

AUDIO OUTPUT, LINE OUTPUT

Format:	(1) 2-location RCA, Left (white), Right (red) L/R channels extracted from S/PDIF HBR Stream (Dolby TrueHD, DTS-HD, MPEG2) up to 192 kHz or PCM.
Voltage:	2Vp-p
Impedance:	50 Ohm, unbalanced

IR CONTROL PORT

Format:	(1) 3.5mm TRS
Voltage:	5Vp-p, TTL

ENCLOSURE

Dimensions:	123 x 90 x 28 mm, (4.84" x 3.54" x 1.1")
Weight:	0.32 kg, (0.71 lbs)
Power:	5 VDC, 2A, 4 Watts
BTU:	
Material:	Metal, Black Matte Finish

CERTIFICATIONS

Safety:	CE
Environ:	CE, FCC, RoHS

ENVIRONMENTAL

Storage Temp:	-20° C to 70° C (-4° F to 140° F)
Storage Humidity:	10% to 90%, non-condensing
Operating Temp:	0° C to 35° C (32° F to 95° F)
Operating Humidity:	10% to 90%, non-condensing
ESD Protection:	+/- 8kV (Air-Gap Discharge) +/- 4kV (Contact Discharge)

WARRANTY

Coverage:	1 Year, Parts & Factory Labor
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Note: All nominal levels are at +/-10%. Specifications are subject to change without notice.