



Switching Solutions

SP-SW1900-HD

DATA SHEET

5-HDMI AUTO-SWITCHER

The SP-SW1900-HD is a powerful, yet compact, presentation switcher that is packed with multimedia features. In simplest terms, the PS190 is a 5 X 1 HDMI switcher; allowing 5 HDMI devices to share a single display up to UHDTV (3840 x 2160).

The switch is a multiformat, 5-HDMI and 1-USB-C set of inputs to a single HDMI output. The SP-SW1900-HD has a unique auto-sense, auto-switch feature that automatically switches to the source when a new source is connected to the system or when used with SP Controls controller devices provides a simple and convenient user interface for power, input selection and volume control. The stereo input on the switch allows line level microphones or mobile phone audio to be injected into the HDMI stream.

The switcher's small footprint of the SP-SW1900-HD makes this product perfect for under-table solutions keeping the electronics well away from knees and feet of end-users. HDCP Full HDCP V1.4 (High Definition Content Protection) compliant.



FEATURES

COMPLETE SYSTEM – The SP-SW1900-HD has a unique auto-sense, auto-switch feature that automatically switches to the source when a new source is connected to the system. For example, when a person connects to any of the 5 HDMI inputs, that person's laptop image immediately appears on the display. When connected to multiple inputs simultaneously, adding SP Controls PixiePlus, PixiePro or TP7 touch panel control provides a simple user interface to select the input to be displayed.

STEREO INPUT – The stereo input on the SP-SW1900-HD allows line level microphones or mobile phone audio to be injected into the HDMI stream. This feature is an excellent way of providing cost-effective ADA voice lift capabilities within a classroom. It also allows a person the ability to play calming background music from ones iPhone prior to the start of a presentation.

STEREO AUDIO 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 SP-SW1900-HD can be connected to SP Controls unique and flexible AmPLINC Audio system to provide additional audio to large and small room applications. Whether the source is a desktop computer, laptop, iPad™, or Blu-ray™ player with HDCP encrypted content, the audience will hear everything.

DISPLAY ON/OFF A significant feature of the SP-SW1900-HD is the ability to automatically turn on the display when someone connects ones laptop, computer, or iPad then automatically shut off the display when the presentation is over and everyone has disconnected from the SP-SW1900-HD. This communication method does not require any programming and communicates with the display through the HDMI cable.

COMMON APPLICATIONS

The SP-SW1900-HD is designed for Collaborative Workspaces, corporate boardrooms, K-12 classrooms, higher education centers, and military briefing centers. The system's auto-sense, auto-switch feature combined with the automatic integrated display power on and off makes this solution extremely easy to use. Ideally suited for installs that use our PIXIE or Touch Panel control systems, an RS-232 connector is provided for power, source selection, and volume control. Users will enjoy a simple presentation system which turns on the display, switches to connected inputs, controls volume and shuts down the display when the presentation is finished. Administrators enjoy the trouble-free user experience, simplified installation and affordable low price.

Quick Takes

- HDMI V1.4b, Up to 4K Resolution
- Auto-Sense / Auto-Switching
- Automatic Display On/Off Through HDMI Cable
- Stereo Input, DSP Mixed & Injected in HDMI Stream
- Pre-Amp Line Level Stereo Output for connecting to our AmPLINC audio system
- Front Panel - RS232 Control
- SP Controls pre-designed control drivers
- Fast Switching
- Low Profile

Switching Solution

SP-SW1900-HD

TECHNICAL DATA

SP-SW1900-HD

VIDEO INPUT	(5) HDMI Type A, female
RESOLUTIONS HDTV	480i@29.97/30/60/119.88/120Hz to 3840x2160@60Hz (4:2:0)
RESOLUTIONS PC/VESA	640x350@85Hz to 1920x1200@60Hz
Video OUTPUT	HDMI Type A, female
CONTROL PORTS	RS-232 – DB-9 Female
AUDIO OUTPUT	(2) RCA 50 Ohm Unbalanced
WARRANTY	3 Year, Parts & Factory Labor
CERTIFICATIONS	CE, RoHS

APPLICATION DIAGRAM



AUDIO FLOW DIAGRAM

