

PS-H841 | 8K60 4x1 HDMI SWITCHER

HDMI 2.1 | 48 Gbps | HDCP 2.3 | EDID | Automatic and manual switching



8K60

Resolution

48 Gbps

Bandwidth

4 x 1

HDMI switching

AUTO

Source selection

PRODUCT OVERVIEW

The Peapsonic PS-H841 is a high-performance 4-input, 1-output HDMI switcher for modern 8K AV systems. It allows four HDMI source devices to share one display, projector or downstream AV system while supporting HDMI 2.1 bandwidth up to 48 Gbps, video resolutions up to 8K at 60 Hz, HDCP 2.3 and selectable EDID management.

Automatic source switching simplifies meeting rooms, classrooms and home AV systems by selecting an active source when connected or powered. A front-panel SWITCH button also provides direct manual selection. Input, output, AUTO and power indicators make system status easy to identify.

KEY FEATURES

- Four HDMI inputs switch to one HDMI output.
- HDMI 2.1 signalling with aggregate bandwidth up to 48 Gbps.
- Supports video resolutions up to 8K@60 Hz.
- HDCP 2.3 support for protected digital content.
- Automatic source detection and switching for simplified operation.
- Manual input selection through the front-panel SWITCH button.
- EDID selection using the front-panel DIP switch bank.
- LED indicators for power, inputs 1-4, output and AUTO mode.
- USB-C SERVICE port for service or firmware-related use.
- Compact metal enclosure with external 5 V DC power input.

PRODUCT CONNECTION VIEWS

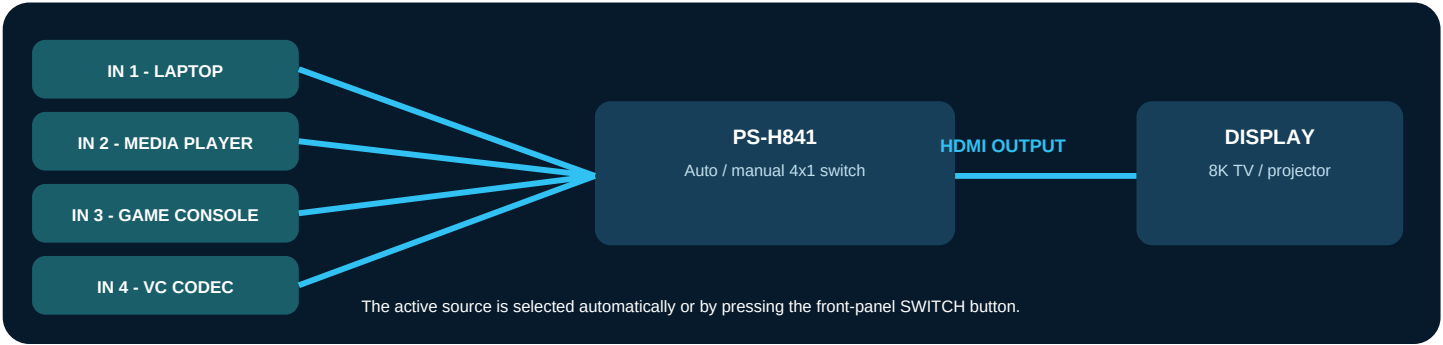


Front controls, indicators, EDID and SERVICE



Four HDMI inputs, one output and DC 5 V power

APPLICATION DIAGRAM - FOUR HDMI SOURCES / ONE DISPLAY



CONNECTOR AND CONTROL DETAILS

HDMI IN 1-4	Four HDMI source inputs for computers, players, consoles or AV equipment.
HDMI OUT	Connects the selected source to one HDMI display or downstream AV device.
DC 5 V	External regulated 5 V DC power input.
Power / IN / OUT LEDs	Show operating status, selected input and output activity.
AUTO indicator	Shows when automatic source-switching mode is active.
SWITCH button	Cycles or selects the HDMI input manually.
EDID DIP switches	Select the required EDID operating mode for source/display compatibility.
USB-C SERVICE	Reserved for product service or firmware-related functions.

TECHNICAL SPECIFICATIONS

Model	PS-H841	Horizontal freq.	15 kHz to 100 kHz
Product type	4x1 HDMI auto switcher	Vertical freq.	24 Hz to 75 Hz
HDMI standard	HDMI 2.1	Max. pixel clock	1.2 GHz
Bandwidth	Up to 48 Gbps	EDID emulation	128-512 bytes (1-4 blocks)
Resolution	Up to 8K@60 Hz	EDID control	DIP-switch selectable
HDR	HDR10, HDR10+, Dolby Vision	Service port	USB Type-C SERVICE
HDCP	HDCP 2.3	Power input	5 V DC
HDMI inputs	4 x Type-A female	Housing	Black metal enclosure
HDMI output	1 x Type-A female	Warranty	3 years parts and labor
Switching	Automatic + manual		

TYPICAL APPLICATIONS

- Boardrooms and meeting rooms
 - Digital signage and demonstrations
- Training rooms and classrooms
 - AV testing, showrooms and racks
- 8K home theatre and gaming