

PS-H441 | 4K60 4x1 HDMI SWITCHER

HDMI 2.0 | 18 Gbps | HDCP 2.2 | EDID | Automatic and manual switching



4K60
Resolution

18 Gbps
Bandwidth

4 x 1
HDMI switching

AUTO
Source selection

PRODUCT OVERVIEW

The Peapsonic PS-H441 is a professional 4-input, 1-output HDMI switcher that allows four HDMI source devices to share one display, projector or downstream AV system. It supports HDMI 2.0 transmission up to 18 Gbps, resolutions up to 4K at 60 Hz, HDCP 2.2 and EDID management for reliable source-to-display compatibility.

Automatic source switching simplifies meeting rooms, classrooms and presentation systems by selecting an available active source. Dedicated front-panel input buttons permit direct manual selection, while SCAN and JUMP controls support convenient automatic operation and the DIMMER control adjusts front-panel indication.

KEY FEATURES

- Four HDMI inputs switch to one HDMI output.
- HDMI 2.0 signalling with bandwidth up to 18 Gbps.
- Supports video resolutions up to 4K@60 Hz.
- HDCP 2.2 support for protected digital content.
- Automatic source detection and switching for simplified operation.
- Direct manual selection using front-panel input buttons 1-4.
- EDID management for improved source/display compatibility.
- SCAN and JUMP controls for automatic switching behaviour.
- DIMMER control and clear power/input status indicators.
- RS-232 console port and external regulated 5 V DC input.

PRODUCT CONNECTION VIEWS

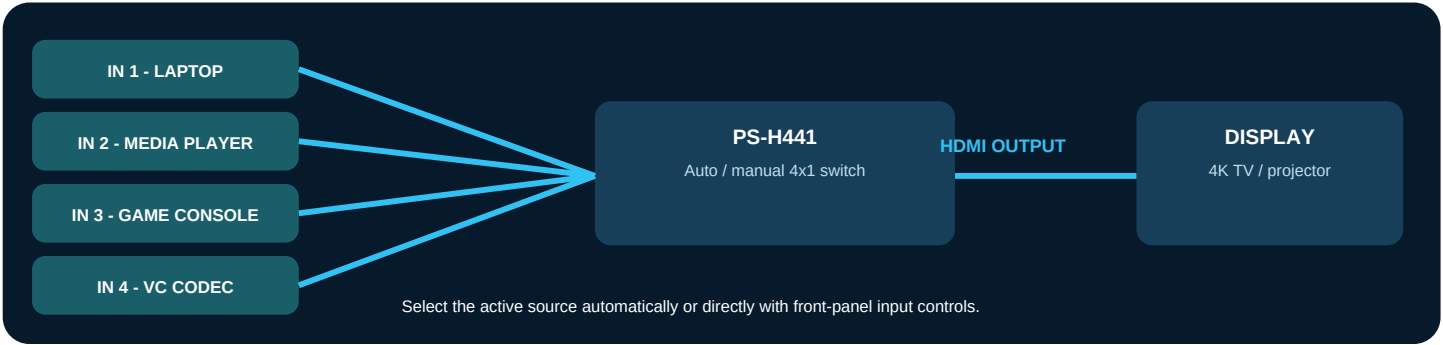


Front panel: input selection, AUTO and status controls



Rear panel: four inputs, one output, console and DC 5 V

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.
CONSOLE	DB9 RS-232 control port for integration with compatible control systems.
Input buttons 1-4	Directly select the required HDMI source.
SCAN / JUMP	Front-panel automatic switching controls.
DIMMER	Adjusts the brightness of front-panel indicators.
Power / status LEDs	Show power, selected input and automatic switching status.

TECHNICAL SPECIFICATIONS

Model	PS-H441	EDID management	Supported
Product type	4x1 HDMI auto switcher	Front controls	1-4, SCAN, JUMP, DIMMER
HDMI standard	HDMI 2.0	Serial control	1 x DB9 CONSOLE
Bandwidth	Up to 18 Gbps	Power input	5 V DC
Resolution	Up to 4K@60 Hz	Housing	Black metal enclosure
Colour format	Up to 4:4:4, source dependent	Indicators	Power, inputs and AUTO
HDCP	HDCP 2.2	Application	Desktop / AV equipment shelf
HDMI inputs	4 x Type-A female	Warranty	3 years parts and labor
HDMI output	1 x Type-A female		
Switching	Automatic + manual		

TYPICAL APPLICATIONS

- Boardrooms and meeting rooms
 - Digital signage and demonstrations
- Training rooms and classrooms
 - AV testing, showrooms and racks
- 4K home theatre and gaming