

SPS-U5P

Seamless Presenter Switching For Smarter Meetings

The SPS-U5P is a 5-input presentation switcher built for presentation and conference room systems that require simple source selection and multi-source display. It supports HDMI, DisplayPort, and USB-C inputs, allowing users to connect laptops, desktop computers, and other AV devices and display them on a single screen.

The SPS-U5P supports resolutions up to 4K60 and offers several Multiviewer display modes including Single, PiP, PBP, 3-Window, and 4-Window layouts through RS-232 commands. A mirrored extended output allows video to be transmitted to a remote display over category cable while maintaining high-resolution signal quality.



KEY FEATURES AND CAPABILITIES

FEATURES

- **Inputs:** 3x HDMI, 1x DisplayPort, 1x USB-C (video only)
- **Outputs:** 1x HDMI, 1x CAT5 transmitter, 1x 3.5mm L/R audio output
- **Video Support:** HDMI 2.0, HDCP 2.2, and resolutions up to 3840x2160 @60Hz
- **Signal Handling:** Extensive EDID and HDCP management
- **Audio:** Volume control and independent audio selection with support for LPCM, AC3, DD+, DTS, and DTS-HD (up to 7.1 channels)
- **Power:** 24V/10Watt PSE (POC) for remote CAT5 transmitter/receiver
- **Extension:** CAT5 transmission up to 70m @1080p or 40m @4K
- **Support 5 categories of Multiview modes:** SINGLE, PiP, PBP, 3xWIN, and 4xWIN
- Seamless switching on single window display mode; fast switching on non-single window display modes

APPLICATIONS

- Conference rooms
- Presentation and Broadcast rooms
- Collaborative workspaces
- Video Conference
- Security monitoring
- Video Editing



Designed and Manufactured in the USA

FRONT AND BACK



SPS-U5P Front



SPS-U5P Back

Users can control switching and settings through front-panel buttons, an IR remote, or RS-232 commands, making it suitable for conference rooms, training rooms, and collaborative workspaces.

MULTIVIEW



Fullscreen Mode

In the Full Screen mode, one of the four computers is displayed in full screen size and maximum resolution



Dual Mode

In the Dual Mode, the screen is split into two fields of equal size with the screen content of two video sources or computers being displayed in each of these fields.



Picture-in-Picture (PiP)

The PiP Mode is fixed in size and position; the full screen displays one of the four video sources, and a smaller image (thumbnail) containing another video source on the right-hand margin of the screen allows for simultaneous monitoring.



Quad Mode

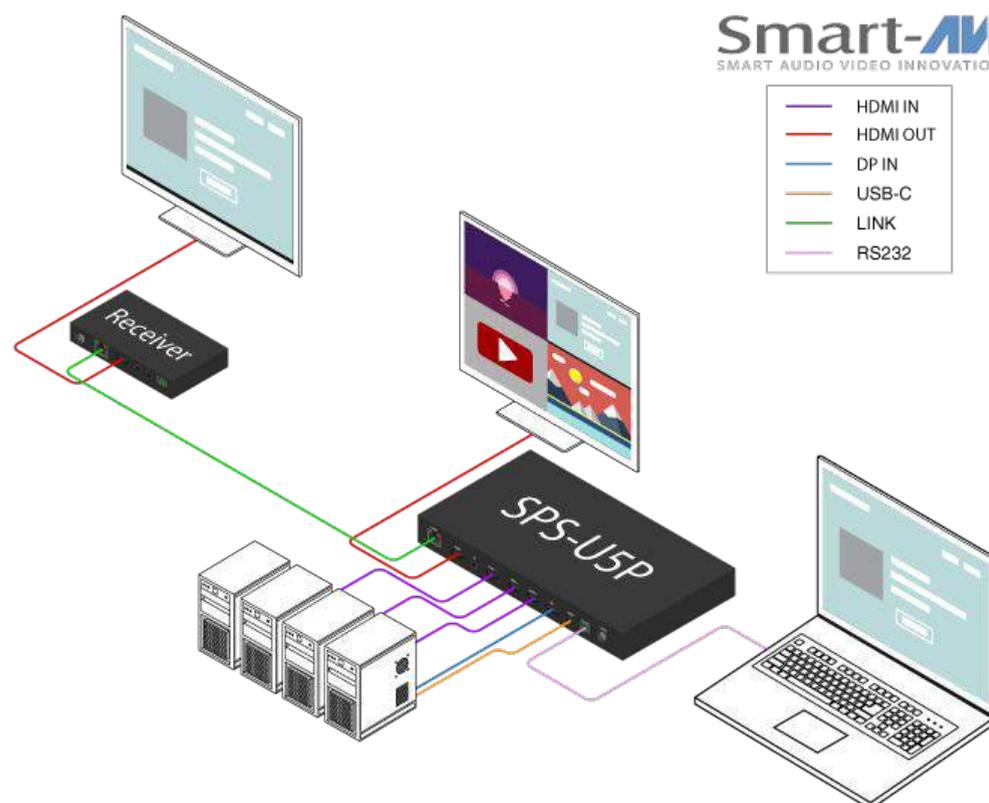
In Quad Mode, the screen is split into four fields of equal size with the screen content of four video sources or computers being displayed in each of these fields.



Tri-View

In Tri-View Mode, the left half of the screen will display one channel and the right half of the screen will display two channels.

APPLICATION DIAGRAM



SPECIFICATIONS

Video	
Input ports	3x HDMI, 1x DP, 1x USB-C (video only)
Output ports	1x HDMI, 1x CAT5 Transmitter, 1x 3.5mm LR audio
Format	HDMI
Maximum Pixel Clock	594 MHz
Resolution & Refresh Rate	Up to 3840 x 2160 @ 60 Hz
Color Mode	24-bit
DDC	24 volts
Color Capability	24-bit True Color (8-bits per channel)
Chroma Sampling	4:4:4 (full color), 4:2:2, or 4:2:0
Input Equalization	Automatic
Data Rate	1.65 Gbps per color
EDID Support	Full emulation & preloaded profiles
Band Width	594MHz (18Gbps), HDMI 2.0, HDCP2,2

Control	
Front Panel	Buttons (SELECT audio/video source)
RS-232	Via serial @115200bps

Audio	
Audio Format	LPCM, AC3, DD+,DTS, DTS-HD Up to 7.1 channel
Impedance	600 Ohm
Frequency Response	20 Hz to 20 kHz
Nominal Level	0-1.0 V
Common Mode	Rejection at 60 dB

Other	
Power Supply	24V/1A ,14W max
Operating Temperature	0 to +40°C (+32 to +104 °F)
Operating Humidity	10 to 70 % RH (non-condensing)
ESD	Air: ± 8KV, Contact: ± 4KV
Dimensions	225" L x 100" W x 25" H mm
Mass (Main Unit)	0.75kg

Package Content	
Part No.	SM-SPS-U5P
SPS-U5P	5-port Seamless UHD Video Switcher with Multiviewer Includes: [SPS-U5P & PS24VDC1A]
Receiver	Optional



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