

4x2 HDMI/USB-C 4K60 Seamless Presentation Switch with HDBaseT 3.0 70m Out

The KanexPro SW-4X2PS-70M is a 4x2 seamless presentation switch supporting video resolutions up to 4K@60Hz 4:4:4 with HDCP 2.3 compliance. It features multiview display modes for showing multiple sources on a single screen, two HDMI outputs plus one HDBaseT 3.0 output (mirrored with HDMI OUT 2) extending uncompressed 4K60 4:4:4 up to 132 ft / 40m or 1080p/4K30 up to 230 ft / 70m via a single CAT6A cable.

Four video inputs — two USB-C and two HDMI — support DisplayPort alternate mode A/V up to 4K60 4:4:4, USB 3.2 Gen 1 (5 Gbps) data, and up to 60W power delivery per USB-C port. Built-in audio DSP provides mixing, matrixing, independent EQ/volume/delay, and Dante® 2x2 audio I/O. USB 3.2 KVM switching with keyboard/mouse hotkeys and USB 2.0 extension over HDBaseT enable seamless video conferencing workflows.

Surge Protection Recommended — This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, or lightning strikes. Use of surge protection systems is highly recommended.

Caution — The network cable connection method required for this product is direct connection (T568B). Please do not cross connect.

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FEATURES

- ✓ HDMI 2.0b, HDCP 2.3, DP 1.4, and HDBaseT 3.0 compliant
- ✓ Video resolution up to 4K@60Hz 4:4:4 with 18 Gbps bandwidth
- ✓ 4x2 seamless switching and multiview (Auto, Single, PIP, PBP, Triple, Quad, Custom)
- ✓ Input: 2x USB-C, 2x HDMI, 1x Analog audio, 1x Dante® 2-channel
- ✓ Output: 1x HDMI, 1x HDMI + HDBaseT mirrored, 1x Analog audio, 1x Dante® 2-channel
- ✓ USB-C supports DP Alt Mode A/V, USB 3.2, 1G LAN, and 60W PD charging
- ✓ Local USB 3.2 KVM switching and USB 2.0 extension over HDBaseT 3.0
- ✓ HDBaseT 3.0: 4K60 4:4:4 up to 40m, 1080p/4K30 up to 70m via CAT6A
- ✓ Audio DSP with mixing, matrixing, EQ, volume, delay, and Dante® 2x2 I/O
- ✓ Keyboard and mouse hotkey switching support
- ✓ CEC/RS-232 control for external display ON/OFF
- ✓ Advanced EDID management (17 modes), 8 presets, PoE (TX to RX)
- ✓ Control via front panel, IR remote, RS-232, TCP/IP, and Web GUI

PACKAGE CONTENTS

1x Presentation Switch • 1x HDBaseT Receiver • 1x IR Blaster Cable (1.5m) • 1x IR Receiver Cable (1.5m) • 3x 3-pin Phoenix Connector • 3x 5-pin Phoenix Connector • 4x Mounting Ears • 8x Machine Screws • 1x 24V/8A Power Supply with AC Cord • 1x IR Remote • 1x Product Manual



Specifications

TECHNICAL	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.3
DP Version	DP 1.4
Video Bandwidth	18 Gbps
Video Resolution	Up to 4K@60Hz 4:4:4
Color Depth	8/10/12-bit
Color Space	RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0
Audio Formats	USB-C/HDMI/HDBT: Digital 32–192 kHz/24-bit, LPCM 2CH LINE IN/OUT: Analog balanced/unbalanced 2CH Dante®: LPCM 2CH, 44.1–96 kHz, 16/24-bit
USB Bandwidth	USB 3.2 Gen 1 (5 Gbps)
Network	LAN / USB-C: 1 Gbps • Dante®: 100 Mbps
ESD Protection	IEC 61000-4-2: ±8 kV (air) / ±4 kV (contact)
IR Level / Frequency	12 Vp-p • 20K–60 KHz wideband

ANALOG AUDIO	
TX Line Input (Max)	8.2 dBu (2 Vrms) • Impedance: 10KΩ
TX Line Output (Max)	Balanced: 8.2 dBu (2 Vrms) • Unbalanced: 2.2 dBu (1 Vrms) • Impedance: 330Ω
RX Line Output (Max)	Balanced: 8.2 dBu (2 Vrms) • Unbalanced: 2.2 dBu (1 Vrms) • Impedance: 330Ω
S/N Ratio	93 dB @ 2 Vrms, 1 kHz (A-weighted)
THD+N	<0.1% @ 0 dBV, 1 kHz
Frequency Response	+0.5 dB / -1 dB, 20 Hz – 20 kHz
Audio Delay	TX: 2/3/4/5/10 ms • RX: <1 ms • Sync: 0–50 ms

CONNECTION — TRANSMITTER (TX)	
Input	2× HDMI [Type A] • 2× USB-C • 1× LINE IN [5-pin phoenix] • 1× DANTE [RJ45]
Output	2× HDMI [Type A] • 1× HDBT [RJ45, PoE/PSE] • 1× LINE OUT [5-pin phoenix]
Control	1× RS-232 [3-pin phoenix] • 1× RS-232 CTL [3-pin phoenix] • 1× LAN [RJ45] • IR IN/OUT [3.5mm]
USB	2× USB 3.2 HOST [B] • 3× USB 3.2 DEVICES [A] • 2× USB 1.1 KVM [A] • 1× USB-C DEVICE

CONNECTION — RECEIVER (RX)	
Input	1× HDMI [Type A] • 1× HDBaseT IN [RJ45, PoE/PD]
Output	1× HDMI [Type A] • 1× LINE OUT [5-pin phoenix]
Control	1× RS-232 [3-pin phoenix] • IR IN/OUT [3.5mm]
USB	1× USB HOST [B] • 2× USB DEVICES [A] • 1× SERVICE [Micro USB]

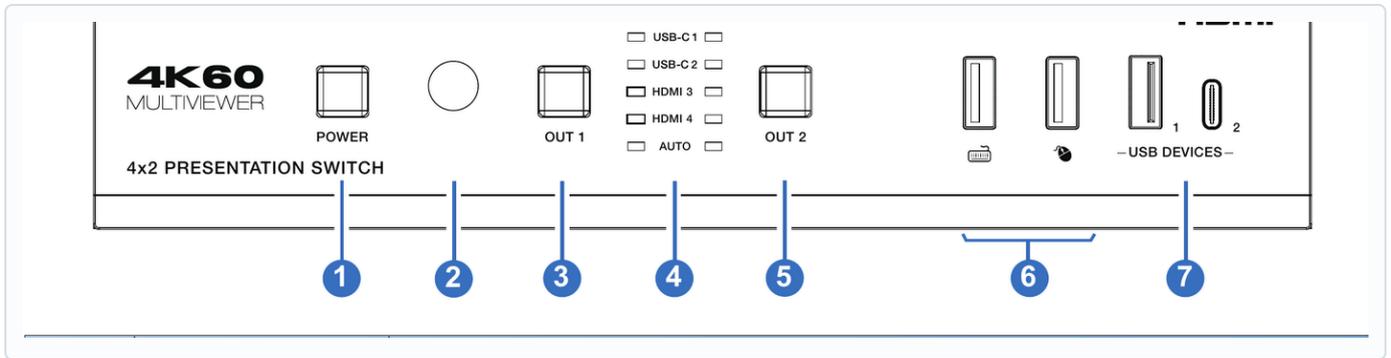
MECHANICAL	
Housing / Color	Front: Aluminum; Rear: Metal Enclosure • Black
Dimensions (TX)	220 mm (W) × 220 mm (D) × 44.5 mm (H)
Dimensions (RX)	140 mm (W) × 105 mm (D) × 21.5 mm (H)
Weight	TX: 1.78 kg • RX: 424 g
Power	AC 100–240V 50/60 Hz → DC 24V/8A • 170W max
Environment	32–104°F (0–40°C) • Storage: -40–140°F (-40–60°C) • 20–80% RH

TRANSMISSION DISTANCE	
HDBT 4K60 4:4:4	Up to 132 ft / 40m (CAT6A F/FTP)
HDBT 1080p / 4K30	Up to 230 ft / 70m (CAT6A F/FTP)
HDMI / USB-C	Up to 9.8 ft / 3m



Operation Controls & Functions

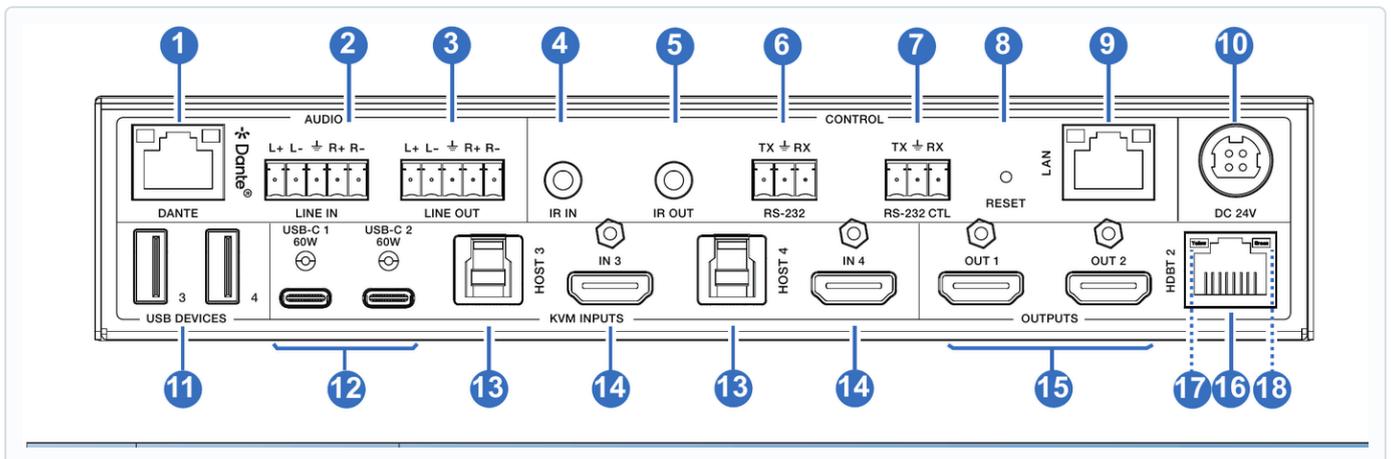
5.1 SWITCH PANEL — FRONT



No.	Name	Function Description
1	POWER Button	Press and hold for 3 seconds to enter standby mode (LED turns red). Short press to power on (LED turns blue).
2	IR Window	IR signal receiving window for the included IR remote control.
3	OUT 1 Button	Press to select the input channel for HDMI OUT 1. Button light is on when a display device is connected; otherwise off.
4	Input / AUTO LEDs	USB-C 1/USB-C 2/HDMI 3/HDMI 4: Steady green indicates the corresponding input is selected; off when not selected. AUTO: Indicates auto switching / automatic layout mode is active — last connected source becomes the HDMI output.
5	OUT 2 Button	Press to select the input channel for HDMI OUT 2. Button light is on when a display device is connected; otherwise off.
6	USB 1.1 KVM Ports	USB 1.1 device ports for keyboard and mouse. Supports hotkey function and 5V/500mA output.
7	USB DEVICES 1/2	USB 3.2 Gen 1 extension ports with 5V/900mA output. Connect USB 3.0 flash drives, cameras, printers, etc.



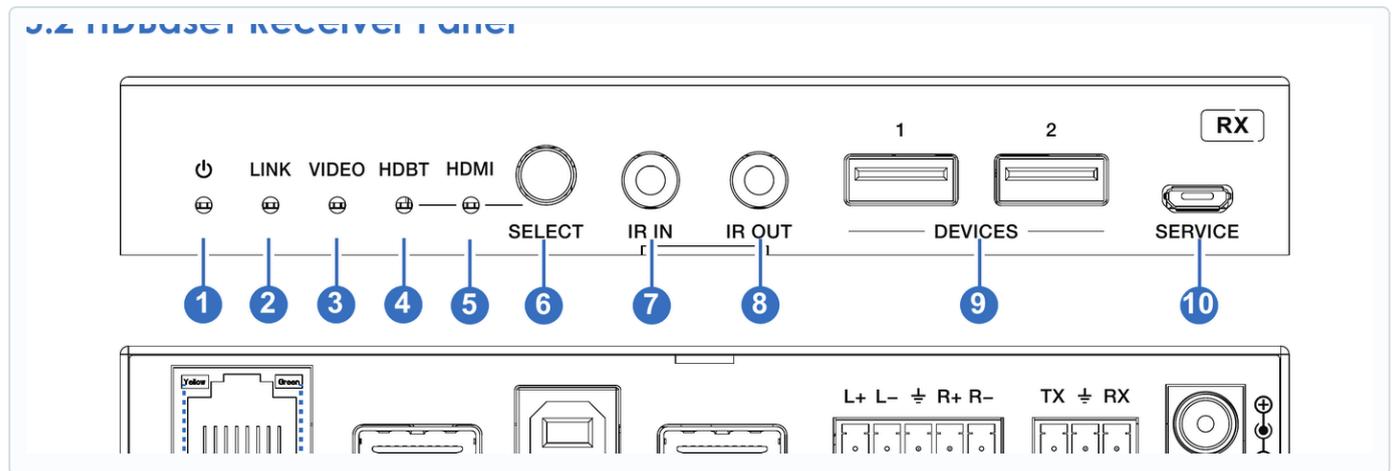
5.1 SWITCH PANEL — REAR



No.	Name	Function Description
1	DANTE Port	Dante® network port for receiving and transmitting Dante audio signals with other Dante-enabled devices.
2	LINE IN	Analog audio input (balanced/unbalanced, max 2 Vrms). 5-pin 3.5mm phoenix connector.
3	LINE OUT	Analog audio output — balanced (max 2 Vrms) / unbalanced (max 1 Vrms). 5-pin phoenix connector.
4	IR IN	Connect the IR receiver cable for IR signal pass-through or controlling this product via IR remote.
5	IR OUT	Connect the IR blaster cable. The IR signal is sourced from the IR IN port of the HDBaseT Receiver.
6	RS-232	RS-232 serial port for signal pass-through, external device control, or firmware update.
7	RS-232 CTL	RS-232 serial port for API command control and MCU firmware update.
8	RESET	Press and hold for 5 seconds to restore factory defaults (all front LEDs flash at 1 Hz until complete).
9	LAN	1G Ethernet port for TCP/IP, Web GUI control, or Ethernet access via router/switch.
10	DC 24V	24V/8A power adapter input.
11	USB DEVICES 3/4	USB 3.2 Gen 1 extension ports with 5V/900mA output.
12	USB-C 1/2 (60W)	USB-C input ports with four functions: (1) DP Alt Mode A/V input, (2) USB 3.2 Host, (3) 60W PD charging, (4) USB-C network access.
13	HOST 3/4	USB Host ports supporting USB 3.2 Gen 1 (5 Gbps). Connect to PCs for KVM functionality.
14	IN 3/IN 4 (HDMI)	HDMI input ports for source devices (Blu-ray players, PCs, set-top boxes).
15	OUT 1/OUT 2 (HDMI)	HDMI output ports for display devices (TVs, monitors, projectors).
16	HDBT 2	HDBaseT 3.0 output port. Mirrors HDMI OUT 2. Connect to RX with CAT6A (F/FTP) cable.
17	Link LED (Green)	On: TX–RX linked. Flashing: abnormal link. Off: not linked.
18	Data LED (Yellow)	On: video signal with HDCP. Flashing: video without HDCP. Off: no signal.



5.2 HDBASET RECEIVER PANEL



No.	Name	Function Description
1	Power LED	Red LED on when receiver is powered.
2	LINK LED	On: good connection. Flashing: poor connection. Off: not connected.
3	VIDEO LED	On: video with HDCP. Flashing: without HDCP. Off: no signal.
4-5	HDBT / HDMI LED	Green when the corresponding input port is selected as signal source.
6	SELECT Button	Press to select signal input channel (HDBT or HDMI).
7-8	IR IN / IR OUT	IR receiver and blaster cable connections for IR signal pass-through.
9	DEVICES Ports	2x USB 2.0 extension ports (5V/500mA) for peripherals.
10	SERVICE Port	Micro USB firmware update port.
11	HDBaseT IN	Connect to HDBT 2 port of transmitter via CAT6A (F/FTP) cable.
12-13	Link / Data LEDs	Same function as TX-side link and data indicators.
14	HDMI IN	HDMI input for local source device.
15	HOST Port	USB Host port (USB 2.0).
16	HDMI OUT	HDMI output to display device.
17	LINE OUT	Analog audio output (balanced 2 Vrms / unbalanced 1 Vrms).
18	RS-232	RS-232 serial port for signal pass-through or display control.
19	DC 24V	Power input (24V adapter). Also supports PoE via HDBaseT IN.

6. IR REMOTE & CABLE PIN ASSIGNMENT

The IR remote provides dedicated OUT 1 and OUT 2 button groups for independent input selection, multiview mode switching, resolution cycling, volume, and mute control. Universal buttons include RX HDBT, RX HDMI, and PRESET. IR cables use a 3.5mm audio jack: Pin 1 = IR Signal, Pin 2 = Ground, Pin 3 (sleeve) = 12V. IR range: 0-5m (±45°), 0-8m (±90°).

7. MULTIVIEW & KEYBOARD/MOUSE HOTKEYS

Multiview modes: Auto, Single, PBP (Dual-LR, Dual-TB), PIP (LT/LB/RT/RB), Triple (L/R/T/B), Quad (L/R/T/B/S), Copy Output, and Custom (5 user-defined). Seamless switching provides glitch-free transitions in single-screen mode.

Keyboard hotkeys: Scroll Lock + Scroll Lock + [output] + [input] or Ctrl + Ctrl + [output] + [input]. Use PageUp/PageDown for next/previous. Scroll Lock x2 + F12 toggles buzzer. **Mouse:** Double-click scroll wheel then right-click (OUT 1 next) or left-click (OUT 2 next).



Default Settings

Setting	Default Value
IP Address (Static)	192.168.0.100
Subnet Mask	255.255.0.0
Gateway	192.168.0.1
IP Mode	DHCP
TCP/IP Port	8000
Telnet Port	23
Domain Name	psb42kvm.local
RS-232 Baud Rate	115200 (8N1)
Admin Login	Admin / 1234
User Login	User / 1234
EDID (All Inputs)	Auto
HDCP (All Inputs)	On
Output Resolution	Auto
Output HDCP	Auto
Display Mode	Auto
Auto Switch Mode	Source 5V
Fallback Input	Next Input
USB Switch Mode	Follow Video
Front Panel	Unlocked
Beep / IR / Fan	Off / On / Auto
Master Volume	50

Web GUI Operation Guide

Connect the LAN port to your network. Navigate to **192.168.0.100** (static) or **psb42kvm.local**. Login: Admin / 1234.

User Page

Preset recall, video output source selection, freeze, AV mute, and master volume control for all outputs.

Information Page

Model name, firmware versions (MCU, Web, Dante, FPGA, RX), IP, MAC, temperature, fan speed, uptime.

Preset / Input / Output Pages

Preset: Save/recall/clear up to 8 named scenes. **Input:** Per-input EDID (17 modes), HDCP, user EDID import/export. **Output:** Resolution (16 options), HDCP mode, output enable/disable.

Video Page

Window layout per output (Auto/Single/PIP/PBP/Triple/Quad/Copy/Custom). Source selection per window. Custom mode: free window sizing, positioning, priority layers, aspect ratio, border color, and 5 saved layouts. Freeze, AV mute, and stream on/off.

Audio Page

Full audio matrix: select Main In 1/2 sources, route inputs to outputs with adjustable gain (-100 to +6 dB). Per-input/output volume, mute, delay (0-50 ms), and 31-band GEQ with 4 custom presets.

USB / RS-232 / Network / System

USB: Follow Video, Manual, or Auto switch mode. **RS-232:** Baud rate, display auto power commands. **Network:** Static/DHCP, IP, telnet port, domain. **System:** Auto switch, display control (CEC/RS-232), lock/beep/fan, reboot, factory reset, firmware update, password management.



RS-232 Control Commands

Connect RS-232 CTL port using 3-pin phoenix connector + RS-232 to USB adapter. Protocol: 115200 baud, 8N1. TCP port: 8000. End mark: <CR><LF>.

SYSTEM COMMANDS

COMMAND	FUNCTION	DEFAULT
power on / power off	Power on / enter standby	–
get power / get version / get model	Get power state / firmware / model	–
reboot	Reboot the device	–
reset / reset all	Reset system (confirm “Yes”) / reset system + network	–
status	Get full device status report	–
s front button x	Lock/unlock front panel (x=0: Unlock, 1: Lock)	0
set beep x / set ir x	Buzzer / IR on/off (x=0: Off, 1: On)	0 / 1
set fan speed x	Fan speed (x=0: Auto, 1–4: 25%–100%)	0
get temp / get uptime	Get temperature / running time	–
set UsbcAccess Network x	USB-C network access (x=0: All, 1: C1, 2: C2, 3: None)	0

INPUT COMMANDS

COMMAND	FUNCTION	DEFAULT
set input x edid y	Set input (x=0–4) EDID (y=1–17: Auto, Copy Out1/Out2/HDBT, 4K60_444, 4K30_444, 1080P, 720P, PC res, User 1/2)	1
get input x edid	Get input EDID mode	–
set input x hdcp y	Set input HDCP (y=0: Off, 1: On)	1
get input x hdcp	Get input HDCP status	–
set user edid x <data>	Set user EDID (x=1–2, 256 bytes)	–
get edid data x	Get EDID data (x=1–9)	–

OUTPUT COMMANDS

COMMAND	FUNCTION	DEFAULT
set output x res y	Set output (x=0–3) resolution (y=1–16: Auto to 4096×2160p60)	1
set output x hdcp y	Set output HDCP (y=0: Reserved, 1: Auto, 2: HDCP 1.4, 3: HDCP 2.2)	1
set output x enable y	Output enable (y=0: Off, 1: On)	1
set output x avmute y	AV mute (y=0: Off, 1: On)	0
set output x freeze y	Freeze (y=0: Off, 1: On)	0

VIDEO / DISPLAY COMMANDS

COMMAND	FUNCTION	DEFAULT
set output x display y	Display mode (y=1–23: Auto/Single/Dual-LR/TB/PIP/Triple/Quad/Copy/Custom)	1
set output x source y	Video source (y=1–4). Multiview: set output x source y1 y2 y3 y4	1
set custom layout x <params>	Custom layout (x=1–5) with coordinates, size, layer, source	–
set window x border y	Window border color (y=0–9: Off/Black/Red/Green/Blue/Yellow/Magenta/Cyan/White/Gray)	0

AUTO SWITCH COMMANDS

COMMAND	FUNCTION	DEFAULT
set output auto switch mode y	Detection mode (y=1: Signal, 2: Source 5V)	2
set output x fallback input y	Fallback (y=0: Next, 1–4: input, 5: RX HDMI)	0
set output x auto layout y	Auto layout (y=1: Single, 2: Multiview)	1
set output x auto dual/triple/quad y	Auto multiview layout variants	1/1/5



AUDIO COMMANDS

COMMAND	FUNCTION	DEFAULT
set output main x audio y	Main audio (x=1–2) source (y=1: Follow video, 2–5: inputs)	1
set output x audio y [gain z]	Output (x=1–4) audio from (y=1–4) with gain (–100 to +6 dB)	1, 0dB
set output x audio follow y	Line/Dante Out follow HDMI Out1(1) or Out2(2)	2
set master audio vol x / mute x	Master volume (0–100) / mute (0/1)	50 / 0
set master member x y z k	Master output members (HDMI1/HDBT2/Line/Dante: 0=exclude, 1=include)	1111
set input x audio vol/mute y	Input volume (0–100) / mute (0/1)	50 / 0
set output x audio vol/mute y	Output volume (0–100) / mute (0/1)	50 / 0
set output x audio mix y	Audio mix (y=1: Stereo, 2: Left, 3: Right, 4: L+R)	Stereo
set output x audio delay y	Audio delay (0–50 ms)	0
set output x audio eq y val z	GEQ band (y=1–31) value (–10 to +10 dB)	0
set output x audio eq preset y	GEQ preset (y=1: Flat, 2–5: Custom)	1

RX COMMANDS

COMMAND	FUNCTION	DEFAULT
set rx input x	RX input (x=1: HDBT, 2: HDMI)	1
set rx auto switch x / mode x	Auto switch on/off (0/1) / mode (1: Signal, 2: 5V)	1 / 1
set rx usb power x	RX USB 5V (x=0: Off, 1: On, 2: Follow host)	2

CEC / DISPLAY CONTROL

COMMAND	FUNCTION	DEFAULT
set cec power on / off	Send CEC power on/off to displays	–
set auto power feature x	Display auto power (x=0: Off, 1: On)	1
set auto power off timer x	Timer (x=1–6: 5s/10s/30s/1min/5min/10min)	4
set auto power control x	Control type (x=1: CEC, 2: RS-232, 3: Both)	1

USB COMMANDS

COMMAND	FUNCTION	DEFAULT
set usb switch mode x	USB switch (x=1: Follow video, 2: Manual, 3: Auto)	1
set usb manual x	Manual switch to host (x=1–4)	1
set usb power x	TX USB 5V (x=0: Off, 1: On, 2: Follow host)	2

SERIAL / PRESET / NETWORK / PASSWORD

COMMAND	FUNCTION	DEFAULT
set serial x setting y	Set baud rate (x=0: All, 1: Local, 2: Remote)	115200-8n1
set preset save/recall/clear x	Preset operations (x=1–8)	–
set preset x name y	Set preset name (16 chars max)	–
set ip mode x	IP mode (x=0: Static, 1: DHCP)	DHCP
set ip addr / subnet / gateway x	Set IP / subnet / gateway	192.168.0.100
set tcp/ip port x / telnet port x	Set TCP/telnet port (1–65535)	8000 / 23
get ipconfig / get mac addr	Get IP config / MAC address	–
set admin/user password x	Set admin/user password (16 chars max)	1234 / 1234



DISPLAY RS-232 COMMANDS (AUTO POWER)

When RS-232 display control is enabled (via set auto power control 2 or 3), the switch sends the configured power on/off commands to the connected display via the RS-232 port. Configure the power on/off hex strings through the Web GUI RS-232 page.

EDID MODES REFERENCE

MODE (Y)	DESCRIPTION	RESOLUTION
1	Auto	Automatic EDID detection
2	Copy HDMI Out 1	Copy EDID from connected display on OUT 1
3	Copy HDMI Out 2	Copy EDID from connected display on OUT 2
4	Copy HDBT Out 2	Copy EDID from connected display on HDBT OUT 2
5	4K2K@60Hz 4:4:4	3840x2160@60Hz YCbCr 4:4:4 + 2CH LPCM
6	4K2K@30Hz 4:4:4	3840x2160@30Hz YCbCr 4:4:4 + 2CH LPCM
7	1080P	1920x1080@60Hz + 2CH LPCM
8	720P	1280x720@60Hz + 2CH LPCM
9	1080i	1920x1080@60Hz interlaced + 2CH LPCM
10	3840x2160@30Hz	3840x2160@30Hz + 2CH LPCM
11	1920x1200@60Hz	WUXGA + 2CH LPCM
12	1600x1200@60Hz	UXGA + 2CH LPCM
13	1440x900@60Hz	WXGA+ + 2CH LPCM
14	1280x800@60Hz	WXGA + 2CH LPCM
15	1024x768@60Hz	XGA + 2CH LPCM
16	User Defined 1	Custom EDID (import via Web GUI)
17	User Defined 2	Custom EDID (import via Web GUI)

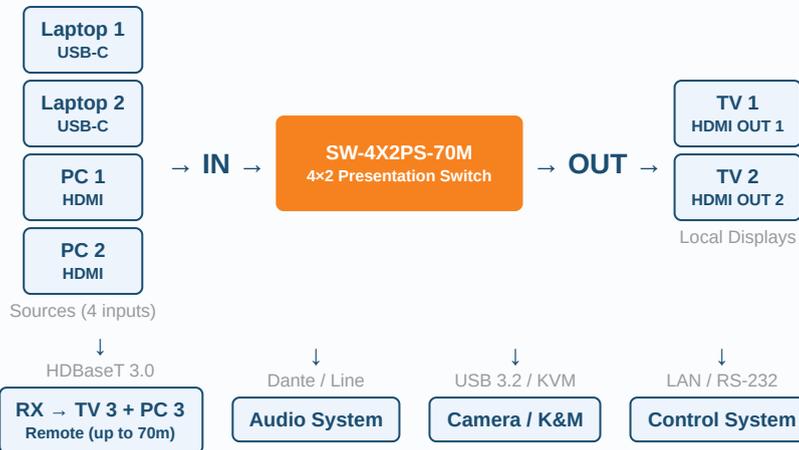
OUTPUT RESOLUTION REFERENCE

MODE (Y)	RESOLUTION	MODE (Y)
1	Auto	9 – 1920x1200@60Hz
2	3840x2160@60Hz	10 – 1600x1200@60Hz
3	3840x2160@30Hz	11 – 1360x768@60Hz
4	4096x2160@60Hz	12 – 1280x800@60Hz
5	4096x2160@30Hz	13 – 1280x720@60Hz
6	1920x1080@60Hz	14 – 1024x768@60Hz
7	1920x1080@30Hz	15 – 1440x900@60Hz
8	1920x1080@50Hz	16 – 800x600@60Hz



Connection Diagram

Video Conference / Presentation Room with HDBaseT 3.0 Extension



How it works: Connect up to two USB-C laptops and two HDMI sources. Route any source to either output using front panel buttons, IR remote, RS-232, TCP/IP, or Web GUI. HDMI OUT 2 mirrors to HDBaseT 3.0, extending uncompressed 4K60 4:4:4 up to 40m or 1080p/4K30 up to 70m to the included receiver.

Multiview: Display multiple sources simultaneously in PIP, PBP, Triple, Quad, or Custom layouts. Seamless switching provides glitch-free transitions.

USB KVM: USB 3.2 Gen 1 follows the active source. Keyboard/mouse hotkeys enable quick switching.

Audio: Built-in DSP with mixing, matrixing, EQ, delay, and Dante® 2x2 I/O.



Troubleshooting

Q: No video output on one or more displays?

A: Confirm Premium High Speed HDMI cables are used. For 4K60, cable length must not exceed 3 meters (HDMI) or 40 meters (HDBaseT via CAT6A F/FTP). Check output enable status via Web GUI or RS-232 (`get output x enable`). Verify output resolution matches the display or set to "Auto." For HDBaseT, check link indicator LEDs on both TX and RX.

Q: No USB-C video from my laptop?

A: Ensure the laptop supports USB-C DisplayPort Alternate Mode — not all USB-C ports output video. Use a cable that supports DP Alt Mode and USB 3.2. Check the input EDID setting if the signal is not detected.

Q: HDBaseT output has no signal at the receiver?

A: Use CAT6A (F/FTP) shielded cable with T568B straight-through wiring — do not cross-connect. Maximum distance: 40m for 4K60, 70m for 1080p/4K30. Verify link LED is solid green on TX and RX. If PoE powering the RX, ensure cable supports PoE.

Q: How do I access the Web GUI?

A: Connect the LAN port to your network. Default IP: **192.168.0.100** or domain: **psb42kvm.local**. Login: **Admin / 1234**.

Q: Audio is not playing through Line Out or Dante?

A: Check the audio matrix in Web GUI. Ensure the correct input is routed to the desired output. Verify output is not muted and volume is above zero. For Dante, confirm network connection and Dante Controller configuration.

Q: USB keyboard and mouse are not switching?

A: Connect to the USB 1.1 KVM ports on the front panel (not USB 3.2 DEVICES ports). Check USB switch mode in Web GUI. For hotkeys: `Scroll Lock × 2 + [output] + [input]`. Do not use the numeric keypad.

Q: How do I perform a factory reset?

A: Press and hold RESET on the rear panel for 5 seconds (LEDs flash at 1 Hz). Or use RS-232: `reset (system)` or `reset all (system + network)`. Also available in Web GUI System page.

