

## 8K 2×1 HDMI 2.1 Switcher

48Gbps, HDCP 2.3, HDR/Dolby Vision, 4K@120Hz, VRR/ALLM, Auto-Switch

**Switch between two 8K HDMI 2.1 sources on a single display with a simple top-mounted button press.** The KanexPro SW-2X18K is an ultra-compact 2×1 HDMI switcher delivering 48Gbps bandwidth and 8K@60Hz 4:4:4 in a palm-sized form factor. USB-powered and plug-and-play.

HDMI 2.1 / HDCP 2.3 compliant. Supports 8K@60Hz 4:4:4, 4K@120Hz 4:4:4. Full HDR pass-through (HDR10, HDR10+, Dolby Vision, HLG). VRR, ALLM, FVA for gaming. Auto-switch + manual button. Built-in EQ and driver. Plastic enclosure 60 × 60 × 12 mm, 31 g, 1.25W max.

**Note** — USB power via Micro USB cable is optional but recommended for reliable operation with devices that provide insufficient HDMI bus power.

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## 2. FEATURES

- ✓ HDMI 2.1 and HDCP 2.3 compliant
- ✓ Supports 48Gbps video bandwidth
- ✓ 8K@60Hz 4:4:4, 8K@60Hz 4:2:0 12-bit, 4K@120Hz 4:4:4 10-bit
- ✓ HDR, HDR10, HDR10+, Dolby Vision, HLG pass-through
- ✓ VRR, FVA, ALLM supported
- ✓ LPCM 7.1CH, Dolby TrueHD, DTS-HD Master Audio
- ✓ 2×1 switch with auto-switch mode
- ✓ Built-in equalizer and driver
- ✓ Auto EDID management
- ✓ Compact design (60 × 60 × 12 mm, 31 g)

## 3. PACKAGE CONTENTS

1× 8K 2×1 HDMI Switcher • 1× Micro USB Power Cable • 1× User Manual



## 4. Specifications

TECHNICAL	
HDMI	HDMI 2.1
HDCP	HDCP 2.3
Bandwidth	48Gbps
Resolution	8K@60Hz 4:4:4, 8K@60Hz 4:2:0 12-bit, 4K@120Hz 4:4:4 10-bit
Color Depth	8/10/12-bit
Color Space	RGB, YCbCr 4:4:4/4:2:2/4:2:0
Audio	LPCM, Dolby Digital/Plus/EX, Dolby TrueHD, DTS, DTS-HD MA, DSD

CONNECTION	
Input	2 × HDMI IN [Type A, 19-pin female]
Output	1 × HDMI OUT [Type A, 19-pin female]

MECHANICAL	
Housing	Plastic Enclosure • Black
Dimensions	60mm (W) × 60mm (D) × 12mm (H)
Weight	31g
Power	USB 5V • 1.25W max
Operating Temp	0°C – 40°C
Storage Temp	-20°C – 60°C
Humidity	20–90%% RH (non-condensing)

RECOMMENDED HDMI CABLE	
8K60/4K120	Ultra HDMI 2.1 — 2m max
4K60 4:4:4	HDMI 2.0 — 3m
4K60 4:2:0 / 1080p	HDMI — 5m

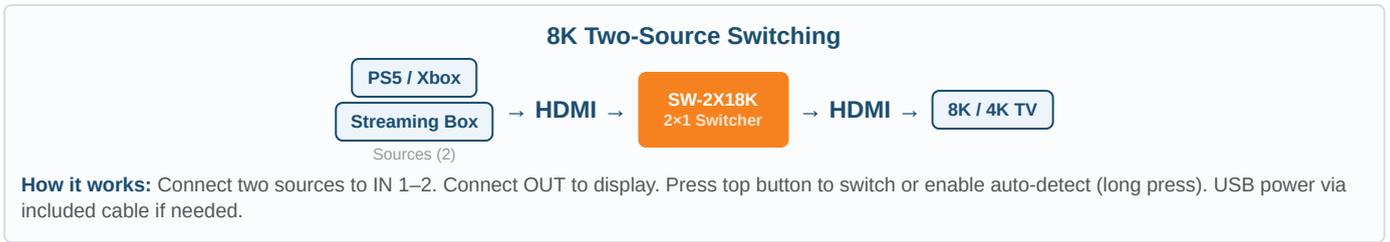
## 5. Operation Controls and Functions

No.	Name	Function
1	Switch / Power LED	Short press: switch inputs. Long press: enter auto-switch. Green LED = powered on.
2	Input LEDs (1–2)	Green LED = selected input channel.
3	HDMI IN (1–2)	HDMI input ports. Connect to sources.
4	POWER (USB)	DC 5V USB power input. Micro USB cable included.
5	HDMI OUT	HDMI output port. Connect to display.

**Note:** USB power is optional but recommended for devices with insufficient HDMI bus power. For 8K60 or 4K120, ensure source, cable, and display all support the target resolution.



## 6. Application Example



### TROUBLESHOOTING

**Q: No signal on the display?**

**A:** 1) Verify Ultra High Speed HDMI cables (2m max for 8K). 2) Connect USB power cable. 3) Power-cycle the switcher. 4) Ensure source and display support the same resolution.

**Q: Screen flickers or drops signal?**

**A:** Shorten HDMI cable length. For 8K60/4K120, cables must not exceed 2 meters on both input and output sides.

**Q: Auto-switch not working?**

**A:** Long-press the switch button to enable auto mode. Ensure the inactive source is fully powered off.

