8K 4×1 HDMI 2.1 Switcher

48Gbps, HDCP 2.3, HDR/Dolby Vision, 4K@120Hz, VRR/ALLM, IR Remote

Switch between four 8K HDMI 2.1 sources on a single display with front-panel button or IR remote. The KanexPro SW-4X18K delivers 48Gbps bandwidth and 8K@60Hz 4:4:4. Auto-switch detects active inputs; IR remote enables switching from across the room.

HDMI 2.1 / HDCP 2.3. 8K@60Hz 4:4:4, 4K@120Hz 4:4:4. Full HDR (HDR10, HDR10+, Dolby Vision, HLG). VRR, ALLM, FVA. Built-in EQ and driver. Auto EDID. Plastic enclosure 122 × 65 × 19 mm, 88 g, 3.4W max.

Surge Protection Recommended — This product contains sensitive electrical components that may be damaged by surges or lightning strikes.

TABLE OF CONTENTS

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

✓ 4×1 switch with auto-switch mode

✓ Built-in equalizer and driver

✓ Auto EDID management

✓ IR remote and front-panel button control

✓ Compact design (122 × 65 × 19 mm, 88 g)

3. PACKAGE CONTENTS

1× 8K 4×1 HDMI Switcher • 1× IR Remote • 1× 5V/1A PSU • 1× User Manual

KanexPro

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, YUV 4:2:0
Audio	LPCM, Dolby Digital/Plus/EX, Dolby TrueHD, DTS, DTS-HD MA, DSD
ESD	±8kV (air-gap) & ±4kV (contact)

CONNECTION	
Input	4 × HDMI IN [Type A]
Output	1 × HDMI OUT [Type A]

MECHANICAL	
Housing	Plastic • Black
Dimensions	122mm (W) × 65mm (D) × 19mm (H)
Weight	88g
Power	DC 5V/1A • 3.4W max
Operating Temp	0°C – 40°C
Storage Temp	−20°C – 60°C
Humidity	20–90%% RH

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

No.	Name	Function
1	**Power LED**	Green = powered on.
2	**Input LEDs**	White = selected input (1–4).
3	**Auto LED**	White = auto-switch enabled.
4	**IR Window**	Receives IR remote signals.
5	**INPUT Button**	Short press: cycle inputs. Long press (3s): enable auto-switch.
6	**DC 5V**	5V/1A power input.
7	**INPUT (1–4)**	4 × HDMI input ports.
8	**OUTPUT**	HDMI output port.

6. IR REMOTE

IN1–IN4: Select input. **Cycle:** Cyclically switch inputs.

7. Application Example

8K Four-Source Switching

PS5/Xbox
Streaming
Blu-ray
Cable STB

Sources (4)

→ HDMI → **SW-4X18K** 4×1 Switcher → HDMI → 8K / 4K TV

How it works: Connect four sources to IN 1–4. Connect OUT to display. Use IR remote or front button to select input. Long-press INPUT (3s) for auto-switch.

TROUBLESHOOTING

Q: No signal on the display?
A: 1) Verify Ultra High Speed HDMI cables (2m max for 8K). 2) Ensure PSU is connected. 3) Power-cycle. 4) Check source/display resolution compatibility.

Q: IR remote not responding?
A: 1) Aim remote at IR window on front panel. 2) Replace remote battery. 3) Ensure no IR interference from other devices.

Q: Auto-switch not detecting new source?
A: Long-press INPUT button (3s) to enable auto mode (Auto LED lit). Ensure inactive sources are powered off.