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Model	:	ATZ HDMI-V2.1-41BUC
Description	:	4-to-1 HDMI v2.1 8K@60 Switcher w/EDID+USB-C

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This 48Gbps 4×1 Switcher is an ultra thin auto switcher, with three HDMI video inputs, one USB-C input and one HDMI output. The video resolutions is up to 8K@60Hz 4:2:0 12-bit (HDMI) and 8K@30Hz 4:2:2 10-bit (USB-C). It supports HDR10, HDR10+, Dolby Vision and multichannel audio format.

Built-in EDID can be set via 3-pin DIP switch on the front panel, and EDID info is shown on the displayer. Furthermore, the firmware update at service port is supported.

Features:

- DP 1.4 and HDCP 2.3 compliant
- Support HDMI video bandwidth up to 48Gbps FRL and 18Gbps TMDS
- Support HDMI video resolution up to 8K@60Hz 4:2:0 12-bit, 8K@30 4:4:4 12-bit, 4K@120Hz 4:4:4 12-bit, as specified in HDMI 2.1
- Support USB-C video bandwidth up to 32Gbps
- Support USB-C video resolution up to 8K@30Hz 4:2:2 10-bit, 4K@120Hz 4:2:2 10-bit
- Support HDR, HDR10, HDR10+, Dolby Vision, HLG pass-through
- HDMI 2.1 protocols: VRR, ALLM, QMS, QFT, SBTM are supported
- LPCM 7.1CH, Dolby TrueHD, Atmos and DTS-HD Master, DTS:X Audio pass-through
- 3× HDMI and 1× USB-C inputs routed to 1× HDMI output
- Control via front panel button and IR remote
- Support auto input switching and manual input switching
- CEC control from TV at output to source at input
- Advanced EDID management

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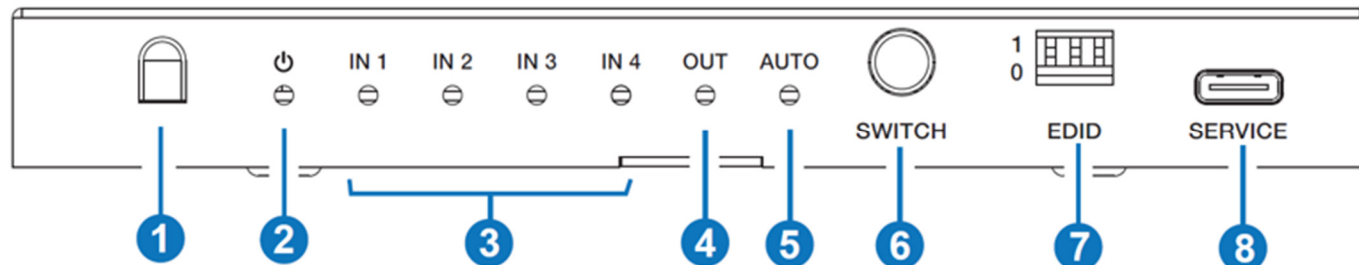**Description :**   4-to-1 HDMI v2.1 8K@60 Switcher w/EDID+USB-C

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Specifications:

Technical:	
HDMI Compliance	HDMI 2.1
HDCP Compliance	HDCP 2.3
DP Compliance	DP 1.4
Video Bandwidth	HDMI: Up to 48Gbps FRL and 18Gbps TMDS USB-C: Up to 32Gbps
Video Resolution	HDMI: Up to 8K@60Hz 4:2:0 12-bit, 4K@120Hz 4:4:4 12-bit USB-C: Up to 8K@30Hz 4:2:2 10-bit, 4K@120Hz 4:2:2 10-bit
Color Depth	8/10/12bit
Color Space	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos,DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge), ±4kV (Contact discharge)
Connection:	
Input ports	3 × IN [HDMI Type A, 19-pin female] 1 × IN [USB Type C, 24-pin female]
Output ports	1 × OUT [HDMI Type A, 19-pin female]
Control ports	1 × SERVICE [USB Type C, update port] 1 × IR Receive Window
Mechanical:	
Housing	Metal Enclosure
Color	Black
Dimensions	145mm [W] × 68mm [D] × 18mm [H]
Weight	258g
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	2.25W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20 - 90% RH (no-condensing)

Recommended HDMI Cable				
Video Resolution	8K	4K60	4K24	1080P
HDMI Cable Type	Ultra HDMI 2.1 cable	HDMI v2.0 cable	HDMI v2.0 cable	HDMI v2.0 cable
HDMI Cable Length (HDMI IN / OUT)	2m/6.6ft	8m/26ft	12m/39ft	15m/49ft
The use of "ATZ Premium High Speed HDMI" cable is highly recommended				

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Operation Controls and Functions:
Front Panel

No.	Name	Function Description
1	IR Window	IR input signal receiving window.
2	Power LED	When the device is powered on, the red power LED is on.
3	IN 1/2/3/4 LED	When the IN 1/2/3/4 port is selected as an input channel of the signal source, the corresponding green LED will be on.
4	OUT LED	When a TV or displayer is connected to the OUT port, the green LED will be on.
5	AUTO LED	When the auto switching mode is enabled, the green LED will be on.
6	SWITCH button	Input signals switching button. ▪ Short press to switch to the next input port. ▪ Long press for 3 seconds to disable the auto switching mode.
9	EDID DIP switch	Used for EDID setting. 111- Copy OUT port sink EDID (as factory default) 110- 4K@60Hz 4:4:4, Audio 2ch PCM 101- FRL 12G_8K_HDR, Audio 2ch PCM 100- FRL 12G_8K_HDR, Audio 5.1ch PCM/DTS/DOLBY 011- FRL 12G_8K_HDR, Audio 7.1ch PCM/DTS/DOLBY/HD 010- FRL 10G_8K_HDR, Audio 2ch PCM 001- FRL 10G_8K_HDR, Audio 5.1ch PCM/DTS/DOLBY 000- FRL 10G_8K_HDR, Audio 7.1ch PCM/DTS/DOLBY/HD
8	SERVICE	Firmware update and debug port.

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Rear Panel
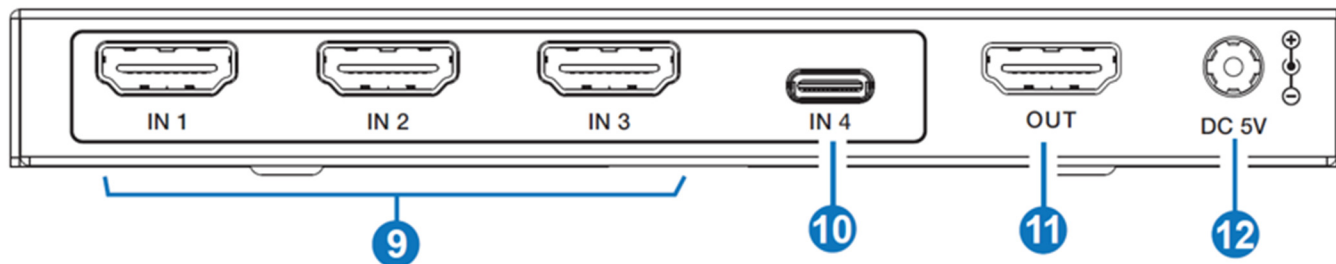
No.	Name	Function Description
9	IN 1/2/3	HDMI signal input ports, connected to HDMI source devices such as DVD or PS5 with HDMI cable.
10	IN 4	USB signal input port, connected to an USB-C source device.
11	OUT port	HDMI signal output port, connected to an HDMI display device such as TV or Monitor with HDMI cable.
12	DC 5V	DC 5V/1A power input port.

IR Remote

Auto: Press this button to enable or disable auto switching for input signal sources.

1/2/3/4: Press 1/2/3/4 button to select the corresponding signal input channel.

↻ : Press this button to circularly switch the HDMI signal source to the OUT port.

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Description :   4-to-1 HDMI v2.1 8K@60 Switcher w/EDID+USB-C

Product Pictures:

Application Diagram:

IN 1 IN 2 IN 3 IN 4 OUT DC 5V

Power Supply

PC

TV box

DVD or Blu-ray Player

PC

8K TV
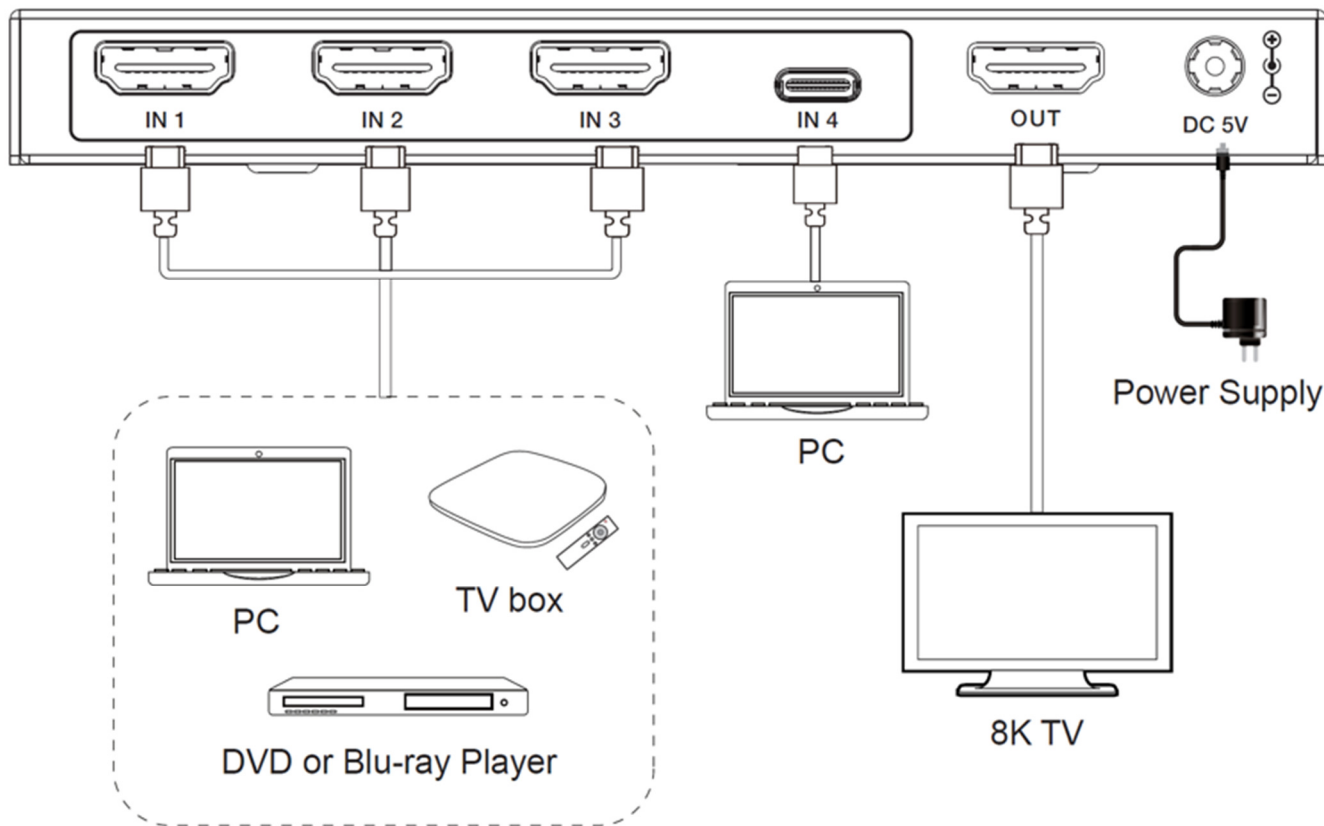
Package Contents :

1 × 4-to-1 HDMI v2.1 8K@60 Switcher w/EDID+USB-C

1 × 5V/1A Multinational Power Supply

1 × IR Remote

1 × User Manual

Warranty: 2 Years

Warranty is effective from the date of original delivery.

This warranty shall be void if a serial number has been removed from the product.