B-260-SWTCH-4x1

18Gbps HDMI 4x1 Switcher

Install Guide

Welcome to Binary™

This product is engineered to provide years of exceptional reliability. We appreciate your business, and we stand committed to providing our customers with the highest degree of quality and service in the industry. This 18Gbps HDMI 4x1 Switcheris compatible with HDMI 2.0/ HDCP 2.2 and supports video resolutions up to 4K@60Hz 4:4:4 8bit.

Pro Tip: Connect the HDMI switch to a surge protector to extend the life of the product.

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Features

- HDMI 2.0 and HDCP 2.2 compliant

- Supports video resolutions up to 4K2K@50/60Hz 4:4:4

- 18Gbps video bandwidth

- Supports 3D and HDR format video

- Supported HDMI audio formats: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX,DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD

- Has an auto/manual switching mode for the input source

- Supports CEC control

- Flexible control via front panel buttons, IR remote or RS-232 commands

Package Contents

- 1×18Gbps HDMI 4x1 Switcher

- 1× IR remote

- 1× 3pin-3.5mm phoenix connector (male)

- 2× Mounting ears

- 4× Machine screws (KM3*4)

- 1× 12V/2A Locking power adapter
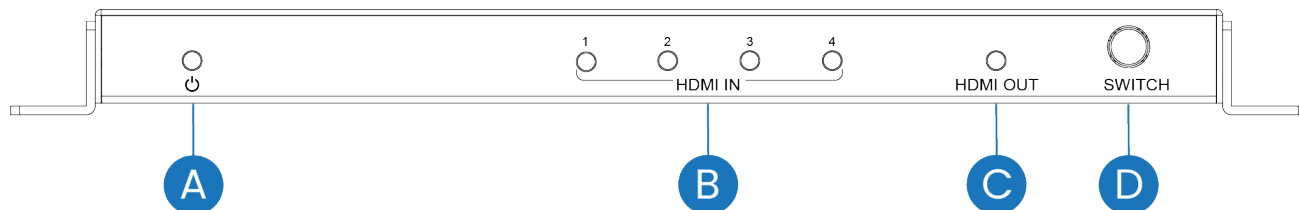
- 1× Quick Start Guide QR card

Warning

The IR Remote supplied with this product contains a coin/button cell battery. Keep product and batteries

away from children. Battery can cause severe or fatal injuries in 2 hours or less if swallowed or placed inside any part of the body. Seek immediate medical attention if it is suspected that a coin/button battery has been swallowed or placed inside any part of the body.
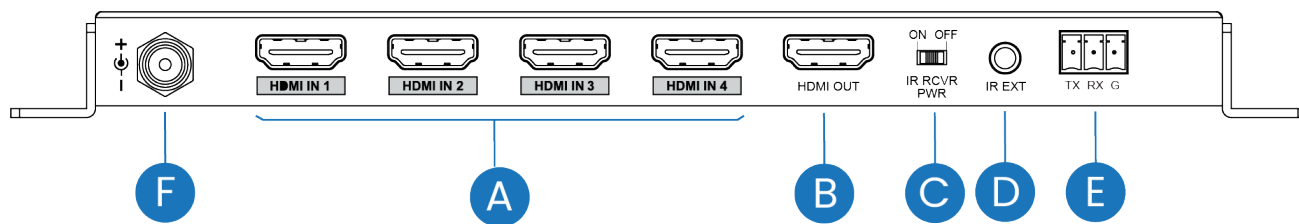
Operation and Functions

Front Panel

A. Power LED — Glows blue when the switch is powered on

B. **Input LEDs** — Glows blue when the input number is selected

C. **Output LED** — Glows blue when the HDMI out port is connected to a display

D. **Selection button** - Short press to cycle through the inputs. Hold the button for three seconds to enable/disable auto-switching mode for the input source.
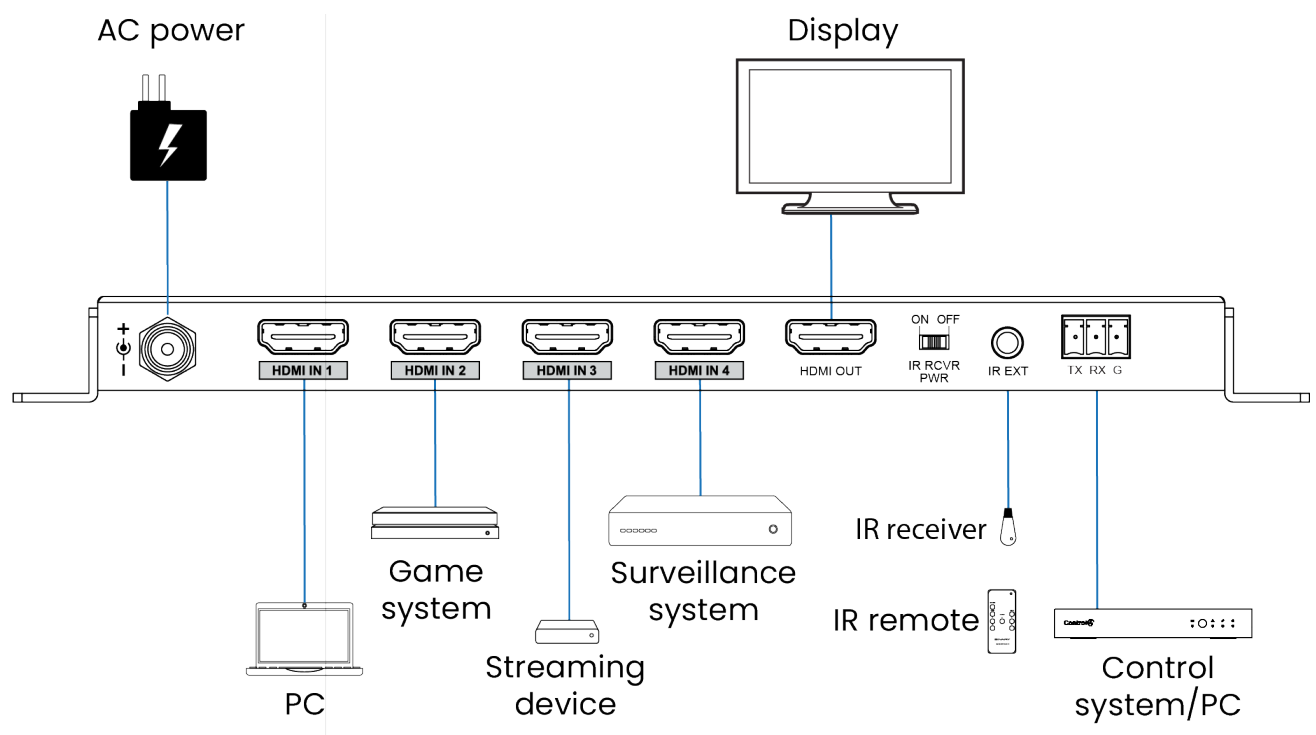
Rear Panel

A. **HDMI In ports** — Connect an HDMI cable from a source

B. **HDMI Out port** — Connect an HDMI cable to a display

C. **IR RCVR PWR switch** — OFF to connect to a control system | ON to connect to an IR Receiver

D. **IR EXT port** — IR input to connect to IR Receiver or to output of a control system

E. **RS-232 serial port** — RS-232 input to connect to the output of a control system

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F. **Thread-locking power connector** — Connect to the included 12V DC, 2A power supply.

Installation

1. Connect an HDMI cable from the source to the HDMI inputs of the switch.

2. Connect an HDMI cable from the display to the switch's HDMI out port.

3. Connect any IR receivers or control systems to the switch.

4. Connect the switch's power supply. The Power, Output, and selected Input LEDs should glow blue.
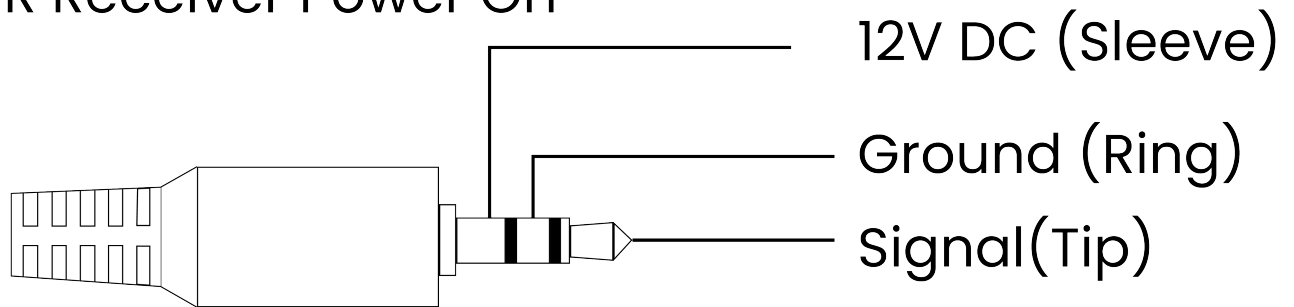
IR Control

- **Power** — Press to power the switch on or set it to standby mode

- **Prev** — Press to select the previous source

- **Next** — Press to select the next source

- **Input 1/2/3/4** — Press the desired input number to select the connected source

IR Receiver Cable Pinout

IR Receiver Power On

12V DC (Sleeve)

Ground (Ring)

Signal(Tip)

RS-232 Control

The switcher can be controlled using RS-232 commands from a PC or control system. Use the included three-pin phoenix connector to connect the control device to the switcher.

Communication Format

- **Baud rate:** 9600 bps

- **Data bits**: 8 bit

- **Parity:** None

- **Stop bits:** 1 bit

- **Flow control:** None

Function	Commmand	Paramter	Description	Return
Version	FW VERSION	<CR>	Get firmware version	V1.01
Power on	SET POWER	ON<CR>	Power on	POWER ON<CR>
Power Off		OFF<CR>	Power off	POWER OFF<CR>
Switch input	SET SWITCH	IN1<CR>	Switch to input 1	SWITCH IN1<CR>
		IN2<CR>	Switch to input 2	SWITCH IN2<CR>
		IN3<CR>	Switch to input 3	SWITCH IN3<CR>
		IN4<CR>	Switch to input 4	SWITCH

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Function	Commmand	Paramter	Description	Return
				IN4<CR>
		NEXT<CR>	Switch to the next input	SWITCH IN1<CR>
		PREV<CR>	Switch to the previous input	SWITCH IN1<CR>
Set autoswitch	SET AUTOSWITCH	ON<CR>	Autoswitch is on	AUTOSWITCH ON<CR>
		OFF<CR>	Autoswitch is off	AUTOSWITCH OFF<CR>
Query autoswitch status	GET AUTOSWITCH	<CR>	Get autoswitch status	ON/OFF

Example: SET SWITCH IN1<CR> switches to input 1.

Note: You must use <CR> or <LF> to end a command.

Specifications

Technical	
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2
Video Bandwidth	594MHz/18Gbps
Video Resolution	480i ~1080p50/60Hz, 4Kx2K@24/30Hz, 4K2K@60Hz
Color Space	RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
HDR Support	Yes
ESD Protection	Human-body model: ±8kV (air-gap discharge), ±4kV (contact discharge)
Connection	

Technical	
Input	4× HDMI IN [Type A, 19-pin female]
Output	1× HDMI OUT [Type A, 19-pin female]
Control	1× RS-232 [3pin-3.5mm phoenix connector] 1× IR EXT [3.5mm stereo mini-jack]
Mechanical	
Housing	Metal enclosure
Color	Black
Dimensions (W × D × H)	147mm (5.79") × 66.3mm (2.61") × 16mm (0.63")
Weight	246g (0.54 lbs.)
Power Supply	Input: AC100~240V 50/60Hz Output: DC 12V/2A (US/EU standard, CE/FCC/UL certified)
Power Consumption	3.24W (Max)

Technical	
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 (non-condensing)

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Technical Support

For chat and telephone, visit **ctrl4.co/techsupport** • Email: **TechSupport@SnapOne.com**. Visit **tech.control4.com** for discussions, instructional videos, news, and more.

Warranty and Legal Notices

Find details of the product's Limited Warranty and other resources such as regulatory notices and patent and safety information, at **snapone.com/legal** or request a paper copy from Customer Service at **866.424.4489**.

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