User Manual

ROLINE HDMI 4x1 Switch, 8K60Hz with IR

14.01.3587

Safety Instructions

Before using this product, please carefully read the following safety instructions to ensure its proper use and keep this manual for future reference:

- To prevent electric shock, do not attempt to open the product.
- Only qualified personnel should perform any repairs or maintenance.
- Always place the product on a stable, flat surface to prevent it from falling.
- Do not expose the product to water, moisture, or high-humidity environments to avoid the risk of damage.
- To prevent damage from direct sunlight or high temperatures, do not expose the product to such environments.
- Do not place the product near heat sources like radiators, heat registers, stoves, or other heat-producing apparatus.
- Do not place any objects on top of the product to avoid damage.
- Use only the attachments and accessories specified by the manufacturer.
- During lightning storms or prolonged periods of disuse, unplug the power supply to prevent damage.

Introduction

This 4 port HDMI™ Switch Supports 8K@60Hz (7680x4320p@60Hz) and lets you share a display or projector with four HDMI™ sources. It features four independent inputs that each support 8K resolution and 7.1 surround sound audio. 8K is supported by the latest A/V devices and delivers four times the resolution of 4K.
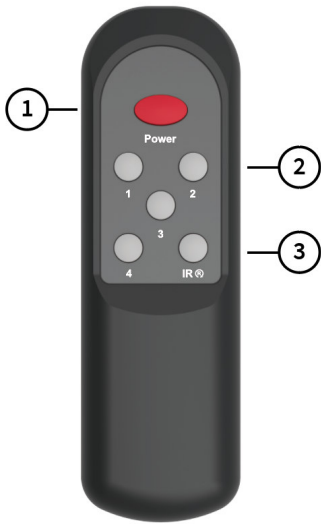
1. Manual Port Switching: Enables you to manually select your HDMI™ source with easy-to-use panel buttons.
2. Remote Control Switching: Enables you to control the switch from distance.
3. Automatic Port Switching: Enables your most recently activated video source to be displayed automatically.

Also, the automatic and manual switching mode and the function for switching the IR receiver on and off can be selected by pressing and holding the switch for 3 and 6 seconds.
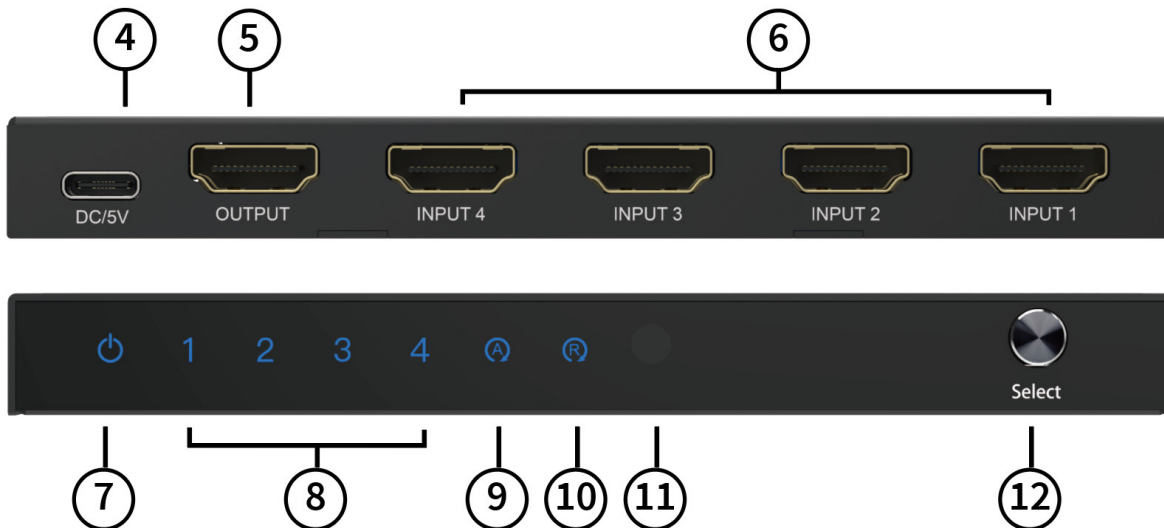
Package Contents

- HDMI 4x1Switch 8K@60Hz 4:4:4
- User Manual
- USB Power Cable
- Remote Control (2*AAA batteries not included)

Panel Description

Remote Control Size: 128.5 x 40 x 17.5mm

1. Power: Press to turn on/off the switch
2. 1-4: Press the number to select the input source
3. **IR ®** : Press this button to switch the IR receiver function on or off.

4. DC/5V: DC 5V Input via USB-C
5. OUTPUT: HDMI Output Port
6. INPUT1-4: HDMI Input Ports 1-4
7. ⏻ : Power LED Indicator
   Blue LED indicates "Working Mode"
   No LED indicates "No Power supply connected" and "Standby Mode"
8. 1/2/3/4: LED Indicators for Input Ports 1/2/3/4
   Blue LED indicates "Active Signal".
   No LED indicates "No Input Signal".
9. AUTO: Auto Mode LED Indicator
   ON indicates Automatic Switching Mode
   OFF indicates Manual Switching Mode
10. IR: IR Mode LED Indicator,
    ON indicates normal IR Receiver Mode
    OFF indicated no IR Function Mode
11. IR: IR Signal Receiver Port
12. Select: Press short to change the input channel. Press longer, until 3 seconds to select the manual switching or automatic switching mode. Press the selector button for 6 seconds to turn on/off the IR receiver mode.

Features

- Resolution 8K@60Hz 4:4:4, 4K@120Hz and 1080P@240Hz
- 1200MHz/12Gbps per channel bandwidth (48Gbps all channels)
- 12bit per channel (36bit all channels) deep color
- HDCP 2.3, and backwards compatible with HDCP2.2 and HDCP1.4
- High Dynamic Range (HDR) video pass-through, such as HDR10/HDR10+/Dolby vision etc.
- VRR (Variable Refresh Rate), ALLM (Auto Low-latency Mode), and QFT (Quick Frame Transport) function
- Built-in Equalizer, Re-timing and Driver
- Consumer Electronics Control
- Automatic switching (smart function), manual switching and remote control switching
- Uncompressed audio such as LPCM
- Compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio™ and Dolby TrueHD

Note:
1. If you would like to output 8K@60Hz,4K@120Hz and 1080P@240Hz via the switch, please make sure your source devices, your cable and your monitors can all support the resolution and refresh rate you need to output.
2. You need to connect HDMI 2.1 compatible cables to enjoy 8K visual effects.

Specification

Input Ports	HDMI x 4
Output Ports	HDMI x 1
Vertical Frequency Range	50/60/100/120/240Hz
Video Amplifier Bandwidth	12Gbps/1200MHz per channel (48Gbps all channels)
Interlaced (50&60Hz)	480i,576i,1080i
Progressive (50&60Hz)	480p,576p,720p,1080p, 4K@24/30Hz, 4K@50/60/120Hz, 8K@24/30/50/60Hz
Operating Temperature	0℃ to 70℃
Storage Humidity	5% to 90% RH non-condensation
Power Supply	USB Power Cable
Power Consumption (Max)	5W
Switch Unit Cert	CE, RoHS
Power Supply Cert	CE, RoHS
Power Adapter Standard	EU
Dimension(LxWxH)	136.3x61.5x14.5mm
Net Weight	173g

Note: Specifications are subject to change without notice.

Connection Diagram