



AC7841

4K HDMI Switch 5 in, 1 out

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Manual

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1.0 Introduction

The AC7841 4K HDMI Switch 5x1 allows you to display 5 HDMI sources on one TV/screen. Switching between sources is easy with the included remote control. The AC7841 automatically switches to the first available source via auto input sensing. The maximum supported resolution is 4096x2160 @ 60Hz.

1.1 Packing contents

The following parts need to be present in the packing:

- 1 × 4K HDMI Switch
- 1 × Remote control including battery CR2025
- 1 × USB power cable 1.5mtr
- 1 × IR receiver cable 1.5mtr

1.2 Features

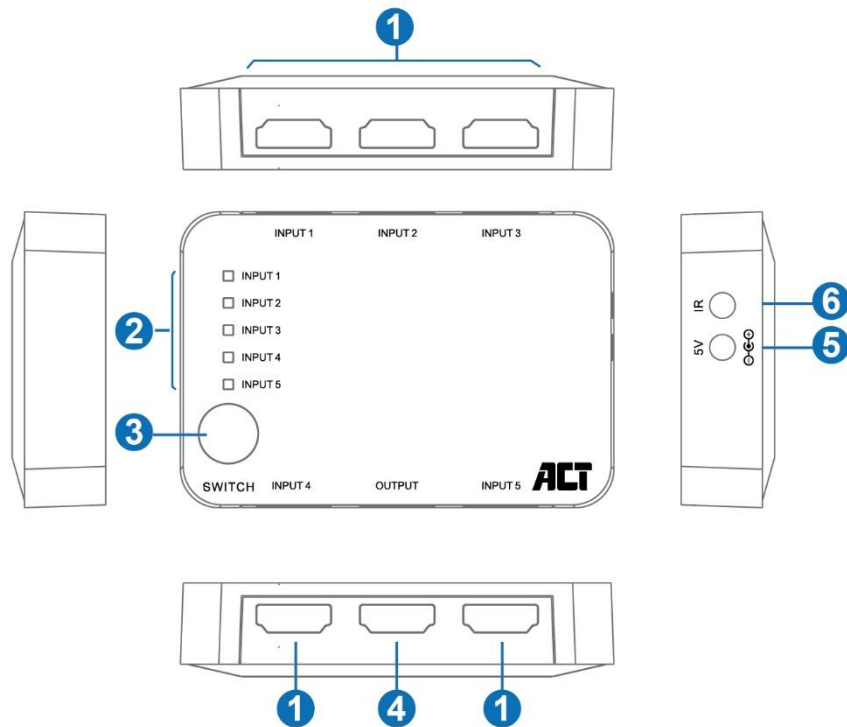
- HDMI High Speed 2.0 compliant
- USB powered with the included cable
- Auto input sensing: automatically detects the available source
- HDR, HDR10, Dolby Vision and HLG are supported
- Video resolution up to 4K2K@50/60Hz YCbCr 4:4:4

2.0 Specifications

Technical	
HDCP Compliance	HDCP 2.2/1.x
Video Bandwidth	18Gbps
Video Resolution	Up to 4k2k@60Hz
Color Depth	8-bit
Color Space	RGB, YCbCr 4:4:4 / 4:2:2. YUV 4:4:4
HDMI Audio Formats	PCM2.0/5.1/7.1CH, Dolby 5.1, DTS 5.1, Dolby
	True HD, DTS-HD Master Audio
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) &
	±4kV (Contact discharge)

Connection	
Input Ports	5×HDMI INPUT [Type A, 19-pin female]
	1×IR IN [3.5mm Stereo Mini-jack]
Output Ports	1×HDMI OUTPUT [Type A, 19-pin female]
Mechanical	
Housing	Plastic Enclosure
Silkscreen Color	Black
Dimensions	87mm (W) × 59.5mm (D) × 19mm (H)
Weight	60g
Power Supply	Input: DC 5V/1A
Power Consumption	1.5W
Operation 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)

3.0 Functions




No	Name	Function Description
1	HDMI INPUT (1/2/3/4/5)	HDMI input ports.
2	INPUT (1/2/3/4/5 LED)	The corresponding LED will light up when the HDMI input port is connected to an active source device.
3	SWITCH button	Press this button to switch the HDMI source signal for the HDMI output .
4	HDMI OUTPUT	Use an HDMI cable to connect to an HDMI display device, such as an TV or monitor.
5	DC 5V	Power input 5 Volt.
6	IR IN	External IR input, connect the IR receiver cable to enable reception of remote control.

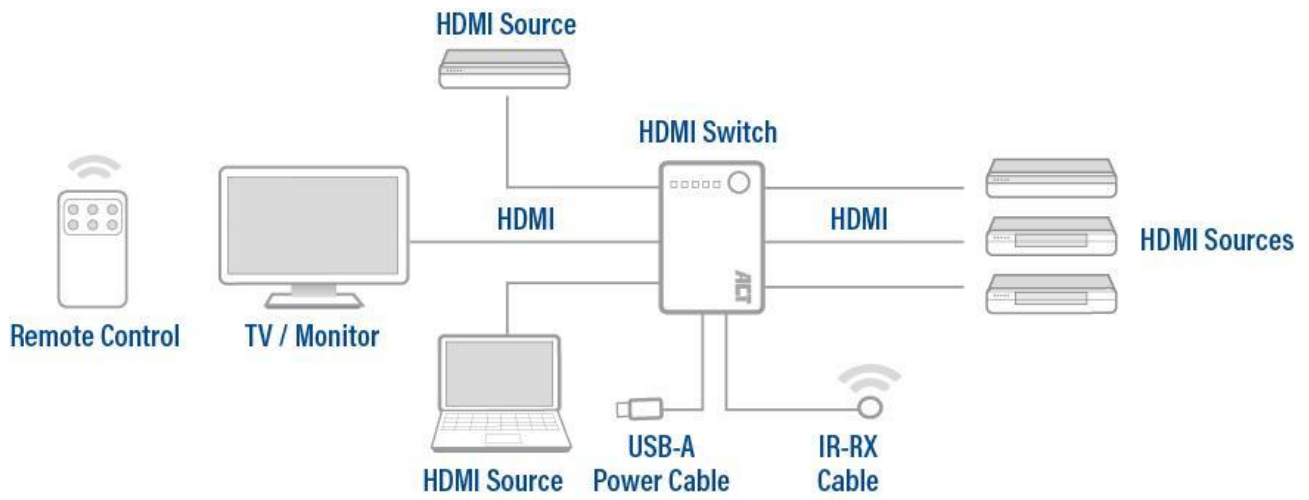
4.0 Remote Control



Press the IN1, IN2, IN3, IN4, or IN5 button to switch the HDMI source signal to the output display. The corresponding LED will light up.

 Press this button to cycle through the input sources.

5.0 Connection diagram



6.0 Service and support

This user manual has been carefully written by ACT's technical experts. If you have problems installing or using the product, please check the **support** link at the website www.act-connectivity.com.

7.0 Warning and points of attention



Due to laws, directives and regulations set out by the European parliament, some (wireless) devices could be subject to limitations concerning its use in certain European member states. In certain European member states the use of such devices could be prohibited. Contact your (local) government for more information about this limitations.

Always follow up the instructions in the manual*, especially where it concerns devices which need to be assembled.

Warning: In most cases this concerns an electronic device. Wrong/improper use may lead to (severe) injuries!

When you connect the device to the mains, make sure it will not be damaged or subject to (high) pressure.

A power socket is needed which should be close and easy accessible from the device.

Repairing of the device should be done by qualified ACT staff. Never try to repair the device yourself. The warranty immediately voids when products have undergone self-repair and/or by misuse. For extended warranty conditions, please visit our website at www.act-connectivity.com

Dispose of the device appropriately. Please follow your countries regulation for the disposal of electronic goods.

Please check below safety points carefully:

- Do not apply external force on the cables
- Do not unplug the device by pulling the power cable
- Do not place the device near heating elements
- Do not let the device come in contact with water of other liquids
- If there is any strange sound, smoke or odor, remove the device immediately from the power outlet.
- Do not put any sharp objects into the venting hole of a product
- Do not use any damaged cables (risk of electric shock)
- Keep the product out of reach of children
- Wipe off the product with soft fabric, not water mop.
- Keep the power plug and outlet clean
- Do not unplug the device from the power outlet with wet hands
- Unplug the device when you don't use it for a long time
- Use the device at a well ventilated place

**Tip: ACT manuals are written with great care. However, due to new technological developments it can happen that a printed manual does not longer contain the most recent information. If you are experiencing any problems with the printed manual or you cannot find what you are looking for, please always check our website www.act-connectivity.com first for the newest updated manual.*

*Frequently asked questions (FAQ). Consult **support** on our website www.act-connectivity.com and see if you can find the right information about your product here. It is highly advisable to consult the FAQ section first, the answer is often here.*

8.0 Warranty conditions

The ACT warranty applies to all ACT products. After buying a second-hand ACT product the remaining period of warranty is measured from the moment of purchase by the product's initial owner. ACT warranty applies to all ACT products and parts, indissolubly connected or mounted to the product it concerns. Power supply adapters, batteries, antennas and all other products not directly integrated in or connected to the main product or products of which, without reasonable doubt, can be assumed that wear and tear during use will show a different pattern than the main product, are not covered by the ACT warranty. Products are not covered by the ACT warranty when exposed to incorrect/improper use, external influences or when opening the service parts of the product by parties other than ACT. ACT may use refurbished materials for repair or replacement of your defective product. ACT cannot be held responsible for changes in network settings by internet providers. We cannot guarantee that the ACT networking product will keep working when settings are changed by the internet providers. ACT cannot guarantee the working of web services, apps and other third party content that is available through ACT products

When my product gets defective

Should you encounter a product rendered defective for reasons other than described above: Please contact your point of purchase for taking care of your defective product.