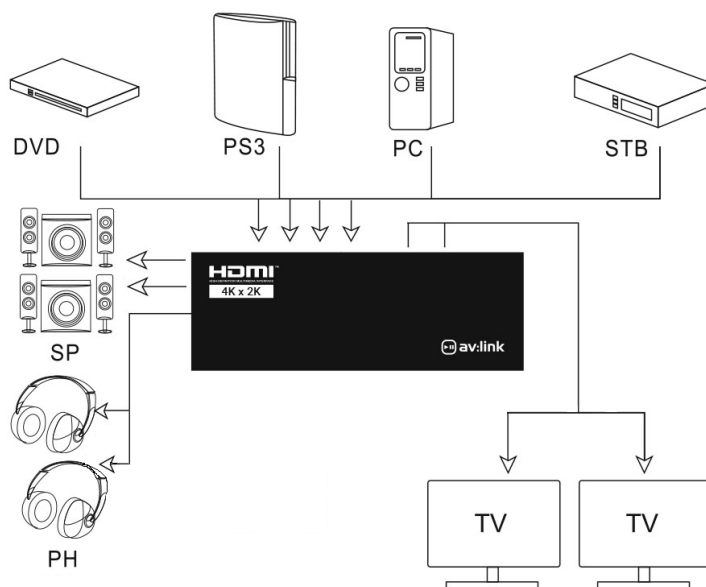# 4K HDMI Matrix 4x2
Item ref: 128.849UK
User Manual

A 4K HDMI matrix to switch between 4 source devices and 2 display outputs. Use with HDMI cables of a combined 30m per input/output for 4K@30Hz and FHD resolutions, or a combined 10m per input/output for 4K@ 60Hz. SPDIF and 3.5mm stereo outputs allow the audio signal for each source device to be simultaneously channeled through a separate sound system and/or headphones. Compatible with the latest 4K digital TV boxes making it ideal for hospitality and entertainment venues. Supplied with IR remote to switch between sources for both outputs.

Technical specifications:

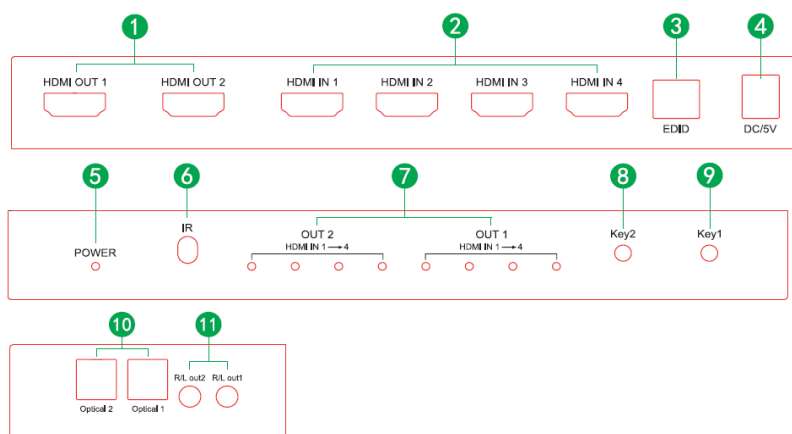|	
Video resolution	Up to 3840 x 2160 @ 60Hz
Display colours	8/10/12bit deep colour
Audio format	DTS-HD, Dolby True, DTS, Dolby-AC3 and DSD
Input connections	4x HDMI
Output connections	2x HDMI, 2x Optical (Toslink), 2x 3.5mm Stereo
Max. bandwidth	600 MHz
Max. baud rate	3x 6Gbps
Transmission distance	30m max HD or 10m max 4K (20m input/output @ 1080p and 10m input/output @ 4K)
Max. working current	600mA
Power adaptor	Input: AC (50Hz, 60Hz) 100-240V, Output: DC5V/1A
Dimensions	99 x 70 x 27mm
Weight	300g

Application diagram:

Connection instructions:

- Connect the outputs of up to 4 source devices to the inputs of the matrix (**2**). Use HDMI cables of up to 15m per device for 4K@30Hz or FHD signals or 5m per device for 4K@60Hz signals (**NOTE:** to maintain 4K resolution, always use 4K certified cables).
- Connect the outputs of the matrix (**1**) to the inputs of up to 2 display devices. Use HDMI cables of up to 15m per output for 4K@30Hz or FHD signals or 5m per output for 4K@60Hz signals.
- Connect the 5V power adaptor (supplied) to the matrix (**4**); plug into a mains outlet and power on.

- Use Key1 and Key2 buttons (**8,9**) on the front of the unit or the IR remote control (supplied) to switch between source devices for both output displays.
- To channel audio from the source devices to 2 separate sound systems, amplifiers or headphones use the digital SPDIF (**10**) or analogue 3.5mm jacks (**11**) on the side of the unit (additional cables required, not supplied).

1. HDMI output 1-2
2. HDMI input 1-4
3. EDID management switches
4. DC/5V power in
5. Power LED
6. IR remote sensor
7. HDMI input LED's
8. Key2 switching button
9. Key1 switching button
10. Optical outputs 1-2
11. 3.5mm stereo outputs 1-2

EDID management settings (3):

Position 1	Position 2	Position 3	Position 4	Function
0	0	0	0	Copy the EDID of HDMI OUT 1
0	0	0	1	Copy the EDID of HDMI OUT 2
0	0	1	0	3D 1080P 2 CH LPCM
0	0	1	1	3D 1080P 5.1 CH (LPCM/Dolby/DTS)
0	1	0	0	2D 1080P 2 CH (LPCM)
0	1	0	1	2D 1080P 5.1 CH (LPCM/Dolby/DTS)
0	1	1	0	3D 4k 2 CH (LPCM)
0	1	1	1	3D 4k 5.1 CH (LPCM/Dolby/DTS)

NOTE: EDID switch upward = 0,
EDID switch downwards =1

In the box:

1. HDMI Matrix 4x2
2. IR Remote Control
3. 5V DC Power Adaptor
4. User Manual

Warning:

- For reasons of electrical safety, this device must never be immersed in water, exposed to damp conditions or excessive force.
- Do not use this device if you find that it is damaged in any way.
- Only use the power supply provided by the manufacturer.
- When not in use for long periods, disconnect the power supply from the mains.
- Do not attempt to repair this device or take apart under any circumstances, as this will invalidate your warranty.