

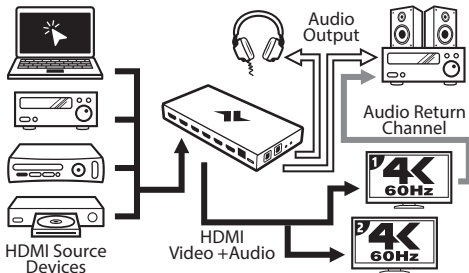
Operation

1. Cycle inputs with the built-in buttons **F** or select one directly with the remote control.
2. Any active input can be directed to one output at a time or both outputs at once.
3. You can output a 4K@60Hz input to a 4K display and a 1080 display at the same time.
4. Power / standby toggle via remote control only.

EDID Control

- The EDID DIP Switch **C** allows user control of the audio/video formats requested from the source device, or enabling Downscaling modes.
- Choose a compatible mode from the list of pre-defined options. Selecting an incompatible mode or input type may result in no picture/sound.

Note: Wait 1 second between all input selection operations and DIP mode changes.



Package Contents

- 1pc 4x2 HDMI Matrix Switch
- 1pc Remote Control
- 1pc 240V Mains Power Adapter (AU)
- 1pc USB Type-A to USB Type-C Power Cable
- 1pc User Guide

Specifications

Video Signal	HDMI v2.0
Amplifier Bandwidth	18Gbps (6.0 Gbps (600MHz) p/c)
Audio Format Support	LPCM, Dolby True-HD, DTS-HD
Ultra HD Resolutions	4K@60Hz 12-bit p/c (3840x2160) 1440p@60Hz / 1080p@120Hz
Standard Resolutions	480i - 1080p 50/60Hz
3D Resolutions	Up to 1080p/24 Blu-ray 3D
Operating Temperature	0°C to 70°C
Operating Humidity	5 to 90% RH (no condensation)
Power Supply	5V \pm 1A / 5W max use
Dimensions	171 x 61 x 20mm
Weight	245g (without cables)

HDMI
HIGH DEFINITION MULTIMEDIA INTERFACE

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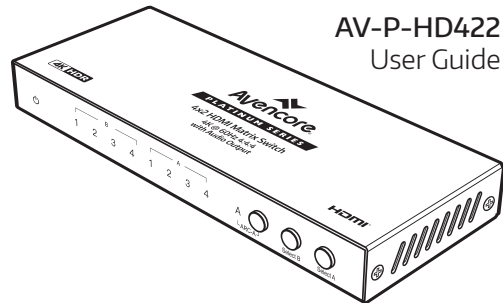
WWW.AVENCORE.COM.AU

Please retain this manual for future reference

PLATINUM SERIES

4x2 HDMI® Matrix Switch 4x@60Hz 4:4:4 with Audio Output

AV-P-HD422
User Guide



Avencore

Better cables. Smarter gadgets.

4x2 HDMI® Matrix Switch 4K@60Hz 4:4:4 with Audio Output

△ Safety Information

- **Safety** - Risk of electric shock. No user-repairable parts inside. Do not open or modify.
- **Environment** - Do not operate the device in direct sunlight, dusty environments, or in wet, raining or damp conditions. Designed for indoor use only.

Basic Operation

Connecting Power

1. Connect the included USB cable to a suitable power source, or use the included wall adapter.
2. Connect the Power cable to the HDMI Matrix. **(D)**

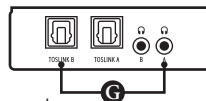
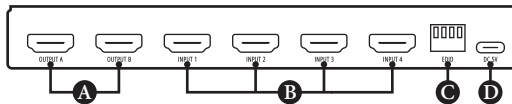
Connecting Devices

1. Connect Source devices to the INPUT sockets. **(B)**
2. Connect a Display device to each of the OUTPUT sockets using quality HDMI cables. **(A)**
3. Optional: Connect an audio receiver or speaker system to the available audio outputs. **(G)**
4. Optional: Enable or disable ARC. **(E)**
5. Optional: Select a suitable EDID mode. **(C)**

Note: Insert and remove cables with care.

Stereo output is disabled in 5.1 or higher audio modes.

Note: Please ensure your connected audio receiver devices support the selected output format



Features

- HDMI v2.0a compatible
- HDCP 2.2 support
- Ultra HD 4K@60Hz support
- Chroma 4:4:4, 4:2:2, 4:2:0 support
- Full HD 1080p @ 120Hz & WQHD 1440p @ 60Hz
- High Dynamic Range (HDR10) support
- 12 bit p/c Deep Colour (36 bit total)
- 6.0 Gbit/s per channel, up to 18.0Gbit/s total
- HDMI Signal Boosting for maximum performance
- Simultaneous 4K & 1080p Downscaling Support (Requires 4K60 input in 1x2 Splitting Mode)
- Supports LPCM, Dolby True-HD, DTS-HD Master audio formats (where available)
- Audio Return Channel support for Output A from ARC-compatible Display (to Toslink A only)
- Mute audio outputs **(G)** independently via remote
- Simultaneous Audio Extraction for both outputs

4K@60Hz support requires *18Gbps HDMI Cables* for full 4K functionality. We suggest quality cables no longer than 5m

Mode	DIP 1 2 3 4	EDID Information
		Resolution / Colour Depth / Audio Format
1	↑↑↑↑	Copy EDID from Output A*
2	↑↑↑↓	1080p, 2.0CH
3	↑↑↓↑	1080p, Dolby/DTS 5.1CH
4	↑↑↓↓	1080p, Dolby/DTS 7.1CH
5	↑↓↑↑	1920x1200p 2.0CH
6	↑↓↑↓	1920x1200p 5.1CH
7	↑↓↓↑	1920x1200p 7.1CH
8	↑↓↓↓	4K@60 10Gbps HDR10 2.0CH
9	↓↑↑↑	4K@60 10Gbps HDR10 5.1CH
10	↓↑↑↓	4K@60 10Gbps HDR10 7.1CH
11	↓↑↓↑	4K@60 18Gbps HDR10 2.0CH
12	↓↑↓↓	4K@60 18Gbps HDR10 5.1CH
13	↓↓↑↑	4K@60 18Gbps HDR10 7.1CH
14	↓↓↑↓	Lowest possible audio & video
15	↓↓↓↑	Highest audio, Downscale video*
16	↓↓↓↓	Lowest audio, Downscale video*

Note: *Mode includes Automatic Downscaling.

Downscaler function supports 4K@60 4:4:4, 4:2:2 or 4:2:0 (HDR10) input, and will downscale for connected 1080p@60 displays when displays are in a 1x2 splitting configuration. Please visit www.avencore.com.au for further information.