



MSW-H412-DS

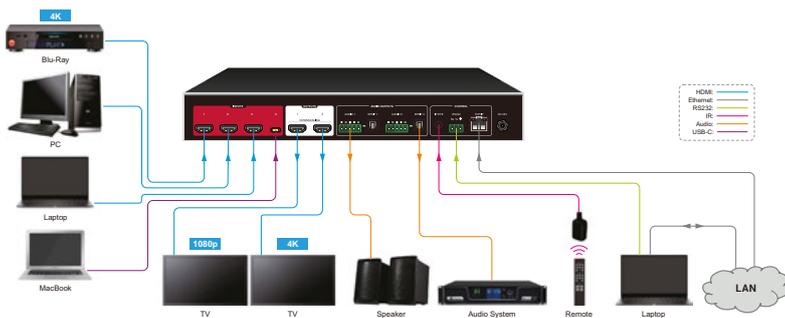
4x2 HDMI 2.0 MATRIX SWITCHER WITH USB-C

The TiGHT AV MSW-H412AC-DS is a 4x2 HDMI 2.0 matrix supporting resolutions up to 4K60 4:4:4.

The matrix features three HDMI 2.0 inputs and one USB-C input that also provides up to 60W of power delivery to the connected USB-C source. It has two HDMI 2.0 outputs that supports 4K to 1080P automatic downscaling eliminating the need for a separate scaler when mixing 4K and 1080P displays.

The unit also features an independent audio matrix with volume control and delay settings per output. The MSW-H412AC-DS supports various control options, front panel, IR, RS232, TCP/IP and WEB-UI.

It comes fully packed with extensive configuration and settings options to make the installation go smoothly and integrate easily with any application.



KEY FEATURES

- Supports HDMI 2.0b, 4K@60Hz 4:4:4, HDR 10, Dolby Vision and HDCP 2.3.
- 3 x HDMI Inputs, 1 x USB-C Input, 2 x HDMI Outputs
- Provides up to 60w Power Delivery on USB-C input.
- Features an independent audio matrix.
- Supports 4K auto downscaling to 1080p on HDMI outputs.
- Extensive EDID management, and HDCP management on input and output side.
- Supports CEC control for devices connected on inputs and outputs
- Various control options: Front panel, RS232, IR remote, TCP/IP and WEB UI.

SPECIFICATIONS

VIDEO

Video Input:	(3) HDMI, (1) USB-C
HDMI Input Resolution:	Up to 4K@60Hz 4:4:4 HDR10, Dolby Vision
USB-C Input Resolution:	Up to 4K@60Hz 4:4:4
Video Output:	(2) HDMI
Video Output Connector:	(2) Type-A female HDMI
HDMI Output Resolution:	Up to 4K@60Hz 4:4:4 HDR10, Dolby Vision
HDMI Standard:	Up to HDMI 2.0b
HDCP Version:	Up to HDCP 2.3 (backwards compatible)

AUDIO

HDMI Embedded	LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD,
Audio Format:	Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™ pass-through.
Audio Output Connector:	(2) 5-pin terminal block (2) SPDIF
Frequency Response:	20Hz-20KHz, ±3dB
Max Output Level:	L±R: 0.88 Vrms ± 0.5 dB. 2V = 16dB headroom above -10 dBV (316 mV) nominal consumer line level signal SPDIF: ±0.05dBFS
THD+N:	< 0.05% (-80 dB), 20 Hz – 20 kHz bandwidth, 1 kHz sine at 0 dBFS level (or max level)
SNR:	L±R: > 80dB, 20Hz-20 kHz bandwidth SPDIF: > 90dB, 20Hz-20 kHz bandwidth
Crosstalk Isolation:	< -80 dB, 10 kHz sine at 0 dBFS level (or max level before clipping)
L-R Level Deviation:	L±R: < 0.3 dB, 1 kHz sine at 0 dBFS level (or max level before clipping)
Output Load Capability:	L±R: 1k ohm and higher (supports 10x paralleled 10k ohm loads)
Noise Level:	>70dB @ 1 kHz

CONTROL

Control ports:	(1) IR EYE, (1) RS232, (1) TCP/IP
----------------	-----------------------------------

PACKAGE LIST

1 x MSW-412AC-DS	1 x IR Remote
2 x Mounting Ears & 4 Mounting Screws	4 x Rubber feet
1 x Power Adapter (24VDC, 5A)	1 x RS232 Cable (3-pin to DB9)
1 x IR receiver (5V)	1 x User Manual



TIGHT POLICY

Faulty product - minimal down time.

Up until six months after purchase, TiGHT AV will replace your product in advance of return of faulty product.

Your investment - built to last.

All TiGHT AV products come with a five year limited warranty.

