The TiGHT AV MSW-H412AC-DS is a 4×2 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:** 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 Audio:** LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital Plus, DTS:X™, and DTS-HD® Master Audio™ pass-through.
- **Audio Output Connector:** 2 HDMI
- **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
- **THD+N:** < 0.05% (-80 dB), 20 Hz – 20 kHz bandwidth, 1 kHz sine at 0 dBFS level (or max level)
- **SNR:** > 70dB @ 1 kHz
- **Crosstalk Isolation:** < -80 dB, 10 kHz sine at 0 dBFS level (or max level before clipping)
- **L-R Level Deviation:** < 0.3 dB, 1 kHz sine at 0 dBFS level (or max level before clipping)
- **Output Load Capability:** > 10k ohm loads

### CONTROL
- **Control ports:** 1 x MSW-412-DS, 2 x Mounting Ears & 4 Mounting Screws, 1 x Power Adapter (24VDC, 5A), 1 x IR receiver (5V), 1 x IR Remote, 4 x Rubber feet, 1 x IR Remote, 4 x Mounting Screws, 1 x RS232 cable (3-pin to DB9), 1 x User Manual

### PACKAGE LIST

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>1 x MSW-H412-DS</td>
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</tr>
<tr>
<td>2 x Mounting Ears &amp; 4 Mounting Screws</td>
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**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.