



## DSP-62-UC

6x2 PoE Audio Matrix DSP with HDMI  
Switcher, AEC & HDBaseT

| HDMI | Ethernet - RJ-45 | HDCP Compliant  
| HDBaseT | 4K/60 UHD (4:4:4)



DSP-62-UC is a member of the Kramer XSPerience family of DSP products. DSP-62-UC is an advanced, professional 6 x 2 audio matrix switcher that includes multi-channel DSP, AEC (Acoustic Echo Cancellation), HDMI de-embedding, and class compliant USB audio interface. The comprehensive and user-friendly graphic interface makes configuring every detail of your audio system intuitive and easy

## FEATURES

**Advanced Audio Matrix Switcher** - Professional, studio grade signal conversion technology, Including the latest generation 32-bit advanced Digital Analog Converter architecture to achieve excellent dynamic performance and improved tolerance to clock jitter. Maintains the quality of the original audio signal with selectable sampling rates up to 96 kHz. Flat frequency response, unmatched sonic performance, excellent signal to noise ratio, and extraordinarily low distortion levels

**Wide Range of I/O Formats** - Includes 2 HDMI inputs, 1 unbalanced & 4 balanced analog audio inputs, 2 balanced analog audio outputs, 1 HDBaseT output, and 1 bidirectional USB plug & play audio port

**Reliable PoE (Power over Ethernet) Powering** - Accepts power from a remote PoE provider with optional mains powering from connected power adapter

**Multi-Channel Processing** - Provides DSP (Digital Sound Processing) that enables simultaneous processing of all input and output signals

**Teleconference Optimized** - Features AEC (Acoustic Echo Cancellation), that prevents the microphone from picking up the far-end echoed speech, so you only share the audio spoken directly into the microphone

**Auto & Manual Switching Between HDMI Sources** - Configure switching to be controlled manually, from the front panel buttons or automatically, according to priority or last connected status

**Intuitive and Comprehensive Configuration and Control** - Via a powerful, user-friendly graphic interface, set volume (gain and attenuation) and DSP per input; execute routing and select line in, mic in, phantom power or line out on each port; configure master level and more. Control signal routing, volume and other basic settings using API commands via RS-232 communication transmitted by a PC, touch screen system or other serial controller

**Audio De-embedding** - De-embeds the audio signal from the HDMI input for routing to any of the outputs

**Programmable** - Supports up to 10 global presets plus 10 mixer snapshot presets

**Easy, Cost-Effective Maintenance** - LED indicators for main power, line in/out, mic in, clipping, and HDMI input selection, enable easy local maintenance and troubleshooting. Local firmware upgrade via the USB type-B port ensures lasting, field-proven deployment

**Easy Installation** - Compact MegaTOOLS® fan-less enclosure for surface mounting or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter



## TECHNICAL SPECIFICATIONS

---

|                                   |                                                             |
|-----------------------------------|-------------------------------------------------------------|
| Inputs                            | 2 HDMI: On female HDMI connectors                           |
|                                   | 4 Balanced Mono Audio: On 3-pin terminal blocks             |
|                                   | 1 Unbalanced Stereo Audio On a 3.5mm mini jack              |
| Outputs                           | 1 Balanced Stereo Audio On a 5-pin terminal block connector |
|                                   | 1 HDBaseT: On an RJ-45 connector                            |
| Ports                             | 1 USB Audio: On a female mini USB-B connector               |
|                                   | 1 RS-232: On a 3-pin terminal block                         |
|                                   | 1 Ethernet: On an RJ-45 female connector                    |
| Line/Mic Level Input              | Impedance Unbalanced: 7.6k $\Omega$                         |
|                                   | Impedance Balanced: 3.8k $\Omega$                           |
|                                   | Impedance Microphone: 3.8k $\Omega$                         |
|                                   | Nominal level Unbalanced: 0dBV (0.77Vrms)                   |
|                                   | Nominal level Balanced: +6.8dBu (1.54Vrms)                  |
|                                   | Maximum level (Balanced): +8dBu (2Vrms)                     |
|                                   | Sensitivity Unbalanced: Full power @ 0dBV (0.77Vrms)        |
| Line Level Output                 | Sensitivity Balanced: Full power @ +6dBu (1.54Vrms)         |
|                                   | Phantom Power: 48 VDC on/off per input                      |
|                                   | Impedance Unbalanced / Balanced: 500 $\Omega$               |
|                                   | Frequency Response: 20Hz – 20kHz @ +/-1dB                   |
|                                   | S/N Ratio: >85dB, 20Hz – 20kHz, at unity gain (unweighted)  |
|                                   | Audio THD + Noise: <0.01%, 20 Hz – 20kHz, at unity gain     |
|                                   | Crosstalk: <-85dB, 20Hz to 20kHz                            |
| Video                             | Max Bandwidth 10.2Gbps (3.4Gbps per graphic channel)        |
|                                   | Max Resolution: 4K@60Hz (4:2:0)                             |
|                                   | Compliance: HDMI and HDCP 2.2                               |
| User Interface                    | Indicators: Power and audio port status LEDs                |
|                                   | Controls: Input selection buttons                           |
| Control RS-232                    | Baud Rate: 115200                                           |
| Supported PC Web Browsers         | Windows: Chrome                                             |
| Power                             | Source: PoE or 48V DC 1.36A adapter                         |
|                                   | Consumption 950mA                                           |
| Environmental Conditions          | Operating Temperature: 0° to +40°C (32° to 104°F)           |
|                                   | Storage Temperature: -40° to +70°C (-40° to 158°F)          |
|                                   | Humidity: 10% to 90%, RHL non-condensing                    |
| Regulatory Compliance (Standards) | Safety: CE, FCC                                             |

Compliance)

Enclosure                      Size: MegaTOOLS®

Type: Aluminum

Cooling: Convection

Accessories                    Included: Power adapter, bracket set, rubber feet

Product Dimensions        18.75cm x 14.50cm x 2.54cm (7.38" x 5.71" x 1.00" ) W, D, H

Product Weight             0.7kg (1.5lbs) approx

Shipping Dimensions       35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83" ) W, D, H

Shipping Weight            1.3kg (2.8lbs) approx

