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DSP
DIGITAL SIGNAL PROCESSING
on board

DigiAmp



10X2 Amplified Digital Audio Matrix with 10 Inputs and 2 Outputs and DSP Processor.

Digiamp is an advanced matrix designed to meet all audio applications that require speech intelligibility in every space, especially in reverberant environments. It is engineered to be managed and set up easily and quickly using dedicated software, both for the end-user and for the installer. It offers the flexibility to be controlled either analogically or digitally, depending on preferences.

Digiamp delivers clean and precise sound with exceptional sound pressure thanks to the ability to fine-tune every audio parameter in a dedicated and accurate manner for each work environment. In the proprietary software, we can manage the following for each input: 1 equalizer, phantom power, phase, anti-larsen control, line/mic, gain, dynamic processor, VU meter, level, mute, and potentiometer control. For each output, we can manage: delay, boost, mute, phase, potentiometers, equalizer, dynamic processor, VU meter, and level. The system allows the creation of up to 16 audio presets via the onboard interface.

Digiamp is a dynamic matrix that can be integrated into any audio system, from the simplest to the most complex. During installation, it must be configured using a PC with dedicated proprietary software capable of generating Pink Noise and Tone for even more precise setup.



The images are purely illustrative and the details can be changed without any warning.

TECHNICAL CHARACTERISTICS



SAMPLING FREQUENCY:	48kHz
FREQUENCY RESPONSE:	20Hz to 20kHz, ±1.5dB
MAXIMUM DYNAMIC RANGE:	MAXIMUM DYNAMIC RANGE: 101dB
INPUTS:	10 Balanced Micro/Line (Max Gain +60dB) connectors Euro-Block 3-pin (pitch 5.08mm)
OUTPUTS:	2 Balanced Line (Max Level +24dBu) connectors Euro-Block 4-pin (pitch 5.08mm)
AMPLIFIED OUTPUTS:	2x125W RMS at 4Ω each connectors Euro-Block 4-pin (pitch 5.08mm)
FRONT PANEL INDICATORS:	10 Multifunction Encoders
NUMBER OF ENCODERS:	10
NUMBER OF PRESETS:	16
MAXIMUM NUMBER OF DEVICES WITH RS 485	8 with firmware 1.0.4.2
OPERATING TEMPERATURE RANGE:	0°C ~ 45°C
STORAGE TEMPERATURE RANGE:	-20°C ~ 60°C
POWER SUPPLY:	Phantom 37V (per channel, individually adjustable)
SUPPLY VOLTAGE:	240V 50/60Hz
ELECTRICAL CONSUMPTION:	165W max.
ELECTRICAL CABLE LENGTH:	1.5m
DIMENSIONS:	480 x 88 x 280mm, 2U
WEIGHT:	4.9kg