DSM-48LAN

Order No.: 25.5770

EUR 729,00
RRP *

PRODUCTINFOS

DSM-48LAN and DSM-26LAN

are professional digital speaker management systems of high power capability with state-of-the-art DSP processors and digital converters.
These systems combine active crossover network, parametric equalizer, delay, RMS compressor and peak limiter in one unit. Thus, they are powerful tools in order to control every important feature necessary for a perfect speaker management in PA applications or for developing active speaker systems.
Features and settings can be adjusted individually for each input and output channel. This is easily done directly at the unit or via the intuitive graphical user interface which can be accessed via PC, MAC or iPad. The connection is established via USB, LAN or WLAN (connection to a router is required). The DSP software is compatible with the MEGA-DSP, DSM-26LAN, DSM-48LAN and STA-1000DSP.

Digital speaker management system

- 4 analogue inputs and 8 analogue outputs (XLR, balanced)
- 1 x AES/EBU digital input, stereo
- 64-bit DSP, sampling rate: 96 kHz
- Dynamic range: > 118 dB
- Latency: 0.64 ms
- Routing fader for user-defined routing of the inputs to the outputs
- Graphical user interface, PC editing software (units are identified automatically)
- 80 user presets can be stored
- Remote control via USB or TCP/IP LAN
- Dot matrix display with 2 x 16 characters
- VU meter with 4 LEDs for each channel, level display and peak
- 482 mm (19") rack installation, 1 RS

Input (data for each channel):

- Gain control: -48 dB to +12 dB
- 10 parametric equalizers with 8 types of filters each
- 2 crossover networks with Butterworth, Linkwitz-Riley and Bessel filters as well as individually adjustable types of filters from 6 to 24 dB/oct.
- Delay can be switched between time (ms) and distance (m): 2,000 ms max. in steps of 10 µsec or 686 m max. in steps of 3.4 mm
- Limiter, threshold: from -48 dBu to +24 dBu
- Compressor, release time: 10 dB/s to 100 dB/s
- Mute

Output (data for each channel):

- Gain control: -48 dB to +12 dB
- 10 parametric equalizers with 8 types of filters each
- 2 crossover networks with Butterworth, Linkwitz-Riley and Bessel filters as well as individually adjustable types of filters from 6 to 24 dB/oct.
- Delay to be switched between time (ms) and distance (m): 2,000 ms max. in steps of 10 µsec or 686 m max. in steps of 3.4 mm
- Limiter, threshold: from -48 dBu to +24 dBu
- Compressor, release time: 10 dB/s to 100 dB/s
- Mute
- Routing mix for level adjustment via routing fader
- Selectable phase (invert, 180°)

proaudio.de 04/2015

"For general indoor PA applications and smaller function rooms, the use of one DSM-26LAN may already be sufficient. However, it is also possible to combine several DSM-48LAN devices to create large-scale PA concepts. You can greatly benefit from an easy operation and with a well-structured control, it is almost intuitively to use. Thanks to the iOS app, it is also possible to optimise the sound directly in the audience area during your soundcheck. The features meet all expectations and more which has previously only been possible by far more expensive controllers."

tools4music 03/2015

"Yet another impressive top-level product from the Bremen-based trading company. The controller DSM-48LAN from IMG Stage Line can certainly be recommended. ... it can be used for multi-way monitor applications and last but not least for unlimited high-end audio applications at home due to good mearsuring values."

TECHNICAL SPECIFICATIONS

Type	
Frequency range	10-40,000 Hz
Input signal	11 V max.
Input sensitivity	
Input impedance	
Output signal	4 V max.
Output impedance	
Gain	
Compression	
Gate ratio	
Transmission ratio	
S/N ratio	> 110 dB
Channel separation	
THD	< 0.005 %
Admiss. ambient temp.	0-40 °C
Power supply	230 V~/50 Hz/15 VA
Dimensions	482x44x185 mm, 1 RS
Weight	2.3 kg
Inputs	4 x XLR, bal. 1 x AES/EBU, stereo
Outputs	8 x XLR, bal.
Other features	USB, LAN