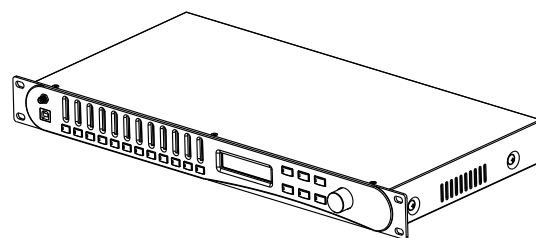


# DSP48W

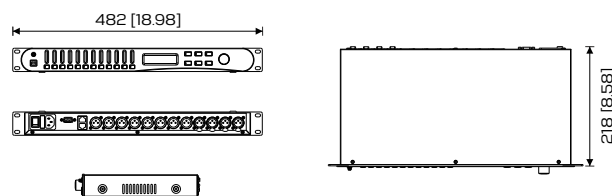
## Presentation:

The DSP series comprises two versatile and advanced DSP Audio Processors providing the ideal tool for enhancing, updating and protecting any sound system using the latest technology in sound processing. Both DSP26 and DSP48W features analog inputs and outputs precisely balanced with XLR 3p connectors, with 2 (two) inputs and 6 (six) outputs for the DSP26 and 4 (four) inputs and 8 (eight) outputs for the DSP48W configurations that are ideally suited to manage a multi-speaker sound system in any sized venue. With the 24-bit/48 kHz high-end AD/DA converters, these DSPs offer sound quality and flexibility needed between your mixer and amplifiers to optimize and protect your loudspeakers. Both units are completely configurable and its processing capability includes Gain, Parametric EQ, Shelving Filters, Time Delay, Crossover Filters (Butterworth, Linkwitz-Riley, Bessel), Compression, Limiting and 30 user-defined internal presets storable. These DSP units can be controlled or configured in real time on the panel or with the intuitive PC app accessed via the RS 232, RS 485 or USB TYPE-B (USB1.1) interface. Moreover, the DSP48W can be WIFI controlled from a remote PC software control compatible with Android, Windows and Mac iOS, which makes it much easier to control and monitor the device. The DSP26 and DSP48W are the answer for a complete optimization for both passive and powered loudspeaker systems providing all the processing tools to make your venue sound like it was tuned by the pros, designed for the touring or fixed sound installation markets.



## Features:

- Professional 4-input, 8-output system processor
- All inputs and outputs XLR 3p balanced connectors
- High-end 24-bit AD/DA, 48 kHz converters
- Gain, Parametric EQ, Shelving Filters, Time Delay
- Crossover Filters (Butterworth, Linkwitz-Riley, Bessel), Compression
- USB port, RS 485 and RS232 for simple programming via PC
- Friendly and intuitive control interface/app
- Convenient front-panel controls for parameter editing, muting
- 30 user-defined internal presets storable
- Switch mode power supply: 90V - 250V AC
- Solid construction for 19" Rack - 1U lightweight enclosure



Dimensions in mm [in]

## Technical specifications:

Type	Professional audio system processor	Attack time	Attack time: 1-100ms, step 0.1ms
Inputs	2 (two)	Release time	50-1000ms, step 50ms
Outputs	6 (six)	Dynamic range	112dB A Weighting
Connectors	Input: XLR/F 3p balanced Output: XLR/M 3p balanced	CMMR	55dB (30Hz-20kHz)
Comm	External: USB Type-B (USB1.1) Ethernet: RS 485 in/out, PC: RS 232	Crosstalk	< -100dB
Input Impedance	10k $\Omega$	Distortion	0.003% (1kHz, 0dBu)
Output Impedance	50 $\Omega$	System preset	10 appearances preset, 30 user programs
Max. input/output level	19dBu	Controls	Mains switch (on/off), MUTE push buttons
Input/output gain	-40-12dB, 0.1dB step	Mains connector	IEC 3p
Input/output delay	0ms-2s, step 21 $\mu$ s	Operation Voltage	90-250V AC SMPS, 50-60 Hz
Input PEQ	9-band parametric EQ (1 per channel)	Dimensions (WxHxD)	1RU space, 218mm depth (8.58in)
EQ gain	-30-15dB, step 0.1dB	Weight	3.6Kg   7.94lb
EQ type	PEQ, Low shelf, High shelf		
EQ frequency	19.7-21.9kHz		
EQ bandwidth	PEQ 0.017-4.75 Oct		
Crossover frequency	19.7-21.9kHz		
Crossover slope	FLAT THRU, 12dB, 23dB, 36dB, 48dB		
Crossover classification	Butterworth, Bessel, Linkwitz-Riley		
Compressor threshold	-20dB~+20dB, step 0.5dBu		
Compressor ratio	1.2:1.5, 2, 3, 4, 6, 10, 20, 40, 128:1		

