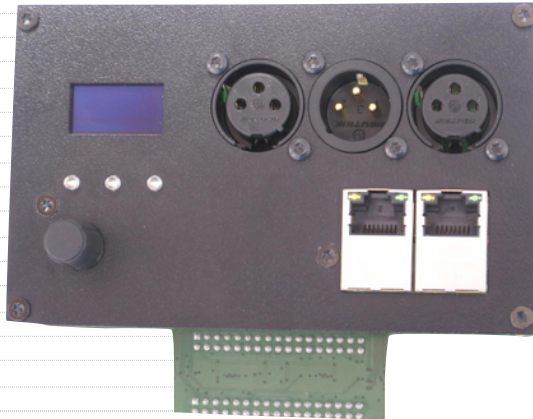Customize your systems with the new DMOD3P module for a new touch of control and performance of our powerful DSP technology. Ideal for professional self powered speaker systems to enter easy in a full controlled network structure.
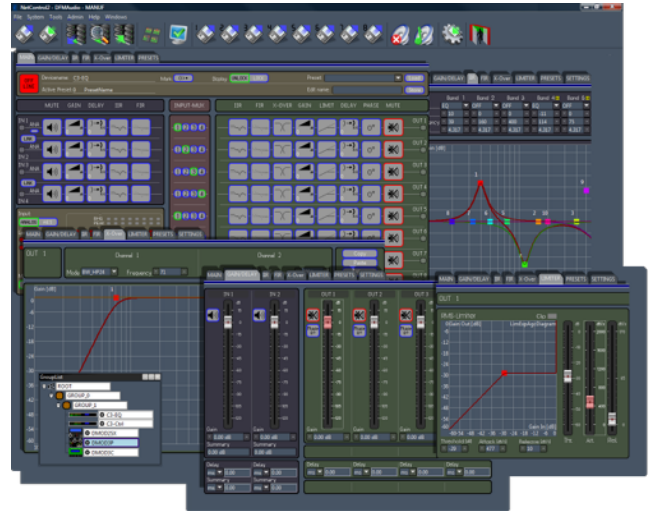
The DMOD3P module is the new supreme class of our DSP-Module series. Equiped with our powerful 4th Generation DSP core technology, featuring 96 kHz sample frequency and extended network capabilities. Thanks to it's on board 1 analogue (1 AES digital input) and 4 analogue output channels there is no need for external AD or DA circuits. Since the DMOD3P is designed to create a perfect amp solution for self powered speakers with the 2xLiteMod, 2xDigiMod 2004PFC and 1xDigiMod 3004PFC amplifier modules from Powersoft. It is also compatible with the amplifier module of your choice.

The DMOD3P fits directly in the Powersoft® Heatsink M / L which is a perfect match for your professional application with Powersoft® OEM solutions. The module offers outstanding operating and controlling capabilities for large and complex PA systems. The PC software "NetControl2" allows grouping and remote controlling of various modules in a ethernet network. Well designed analog circuits and an internal 96 kHz high performance audio processing based on the otstanding audio experience.


DESIGNHAUS FÜR MIKROELEKTRONIK
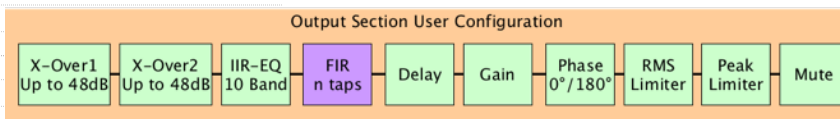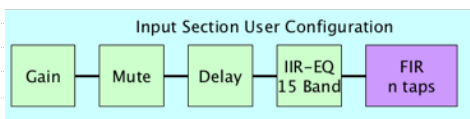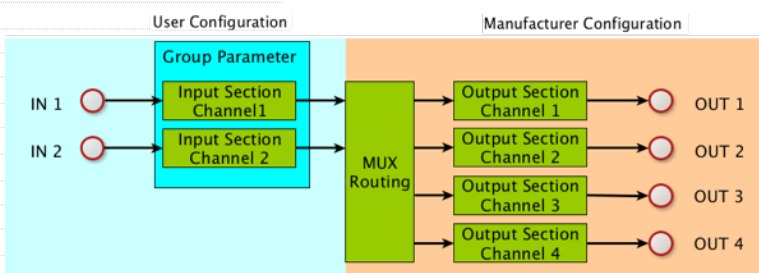
DSP features

DSP	SHARC DSP @300MHz
Internal processing	96 kHz / 40 bit floating point and asynchrony high-resolution sample rate converters (SRCs)
Latency	3ms
Presets	up to 96 Presets
Limiter	Peak+RMS Limiter / EQ limiter optionally
Delay	1 second at each input 2ms at each output
Input EQs	15x IIR-EQs with high- lowshelv, high- lowpass and peak 512 taps FIR each channel or on outputs alternatively
Output EQs	10x IIR-EQs with high- lowshelv, high- lowpass and peak 512 taps FIR each channel or on inputs alternatively
Output crossovers	2x crossover filters up to 48dB / octave
Routing MUX	2x4 with addition / subtraction
Firmware Update	In system update by network

General

Dimensions	125 x 77 (100) x 42 (W x H x D)
Weight	270 gr with panels
Environmental operate temperatur	-10°C to +70°C
Powersupply	+/- 12V / max. 500mA current drawn
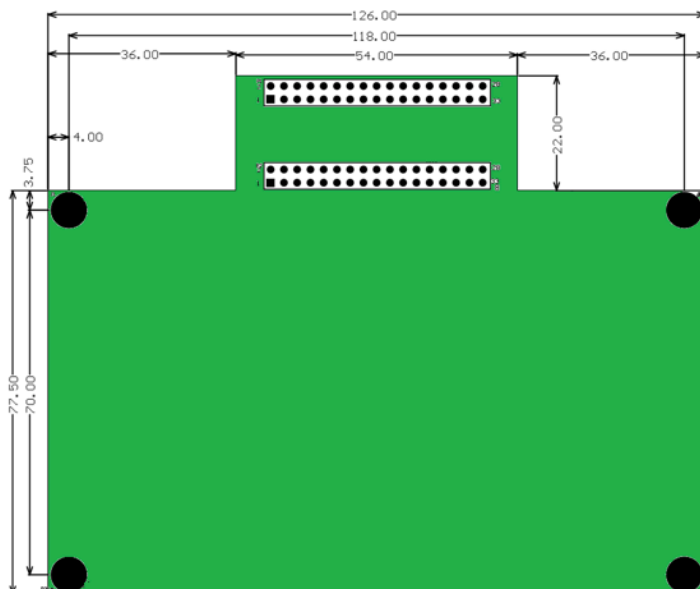
Audio

Frequency response	20 Hz – 20 kHz (+/- 0.5 dB)
Max input voltage	5Vrms / +16 dBu (15K impedance)
Max output voltage	4.5Vrms/ +15 dBu
S/N ratio	>119 dB on analog In- / Output
THD+N	< -100dB @ 1kHz

I/O features

Analog	2x XLR Inputs (one switchable to AES input)
Digital	1x XLR AES input (SRC 32KHZ..196KHz) 2x RJ45 AESOP (Relais Bypass) with full AES embedding for analog inputs
Remote	Ethernet with 2x RJ45 / 100Mbit switch for daisy chaining
Amplifier	2x 34pin connector / pin allocation supports • Powersoft 1x DigiMod3004PFC4 • Powersoft 2x DigiMod2004PFC2 • Powersoft 2x LiteMod • and all other adapted amps
Keys	1x Encoder for menu + editing parameter
Display	OLED 0,96" / 128x64pixels 3x LEDs for status indication
Monitoring	UI-measurement with power control Real time clock for data logging
Accessories	3x digital outs for general purpose 10pin for 4x analog inputs support

Control options

DFM	NetControl2 • Controlling multiple devices • Group features • OEM branding option • Support for NetControl
Custom ASP	Custom PC-Software with ASP-protocol over TCP
Custom UDP	Simple UDP-Commands for volume, Preset, Mute

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DFM
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