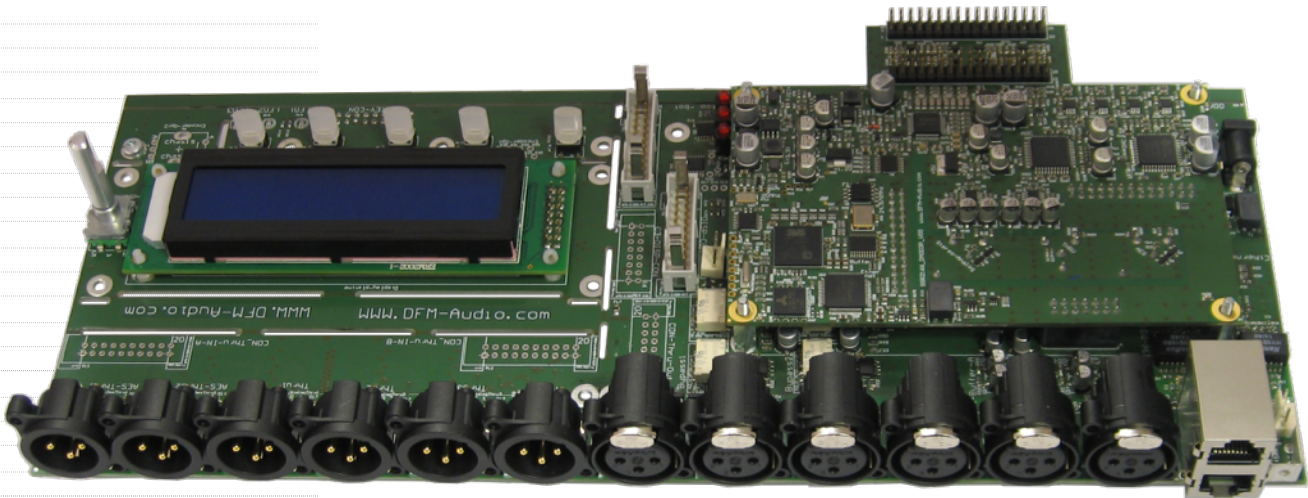


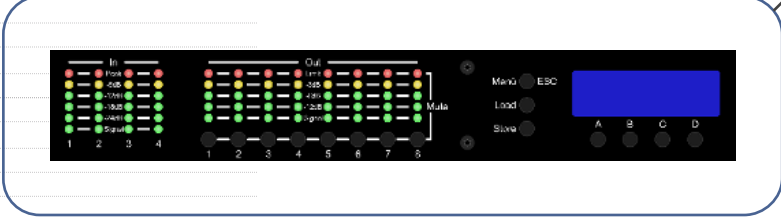
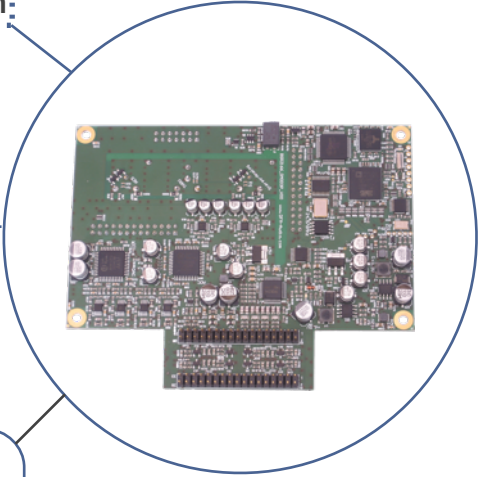
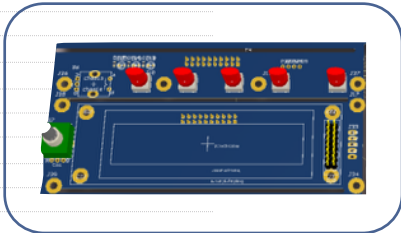
Building high class DSP powered networks to enhance your rack device solutions - made easy with the new DMOD3C DSP-module on the DEMO-board from DFM.



The DMOD3C DEMO-board is the easiest way to adapt the DMOD3C to your own amp hardware. It includes all needed interfaces to integrated the DMOD3C fast and comprehensive in various applications. You can use the DMOD3C DEMO-board as a base for your own 4x4 controller or you can the boards can be cut and integrated in your 19" amplifier. It offers a complete solution based on user interface with a 2x20 graphical LCD, configurable buttons and LEDs. In addition, there is a encoder for menu and parameter editing. Many configurable controls are available over the flexible DSP structure.

The PC software "NetControl2" allows grouping and remote controlling of various modules. Well designed analog circuits and an continuous internal 96 kHz high performance audio processing based on outstanding audio experience.

choose your own display solution





DSP features

DSP	SHARC DSP @300MHz
Internal processing	40 bit floating point and asynchrony Sample Rate Converters
Latency	3ms
Presets	up to 96 Presets
Limiter	Peak+RMS Limiter / EQ limiter optionally
Delay	1 second at each input 500ms at each output
Input EQs	15x IIR-EQs with high- lows shelv, high- lowpass and peak 512 taps FIR each channel or on outputs alternatively
Output EQs	10x IIR-EQs with high- lows shelv, high- lowpass and peak 512 taps FIR each channel or on inputs alternatively
Output	2x crossover filters up to 48dB / octave
Routing MUX	4x4 with addition / subtraction
Firmware Update	In system update by network
Userinterface support	direct support for interfaces with <ul style="list-style-type: none"> • 2x20 character LCD • 5x Buttons • up to 32x LEDs • full C3 display compatible

Support package includes

HW content:

- Demoboard with mounted DMOD3C
- Displayboard (2x20 character LCD + 1x encoder)
- Buttonboard (4x Mute-buttons + 1x alternate function buttons with LEDs)
- Thruboard with 6x XLRs for 4x analog thru and 2x AES thru

SW content:

- all schematics and BOMs of the Demoboard
- complete CAD drawings
- Remote-SW NetControl2 for Windows

Knowledge content:

- full technical support
- integrated solutions for fast in-market
- individual developments for perfect fit

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	>117 dB on analog In- / Output
THD+N	< -100dB @ 1kHz

I/O features on board

Analog	4xXLR Inputs + 4xXLR Thru
Digital	2xAES inputs (XLR) (SRC 32KHZ..196KHZ) 2xAES Thru (Relais Bypass)
Remote	Ethernet with 2x RJ45 / 100Mbit switch for daisy chaining
Amplifier	2x 34pin connector / pin allocation supports <ul style="list-style-type: none"> • Powersoft 1x Digimod3004PFC4 • Powersoft 2x Digimod2004PFC2 • Powersoft 2x LiteMod • and all other adapted amps
Keys	1x Encoder for menu + editing parameter 5x Buttons for direct parameter access
Display	2x 10pin for 2x20 character LCD with Encoder for the installed Displayboard 2x8pin for costum display solution / full C3 compatible with programmable SPI
Accessories	Fan out with full DSP control and 3x status LEDs
DSP	2x 26pin / 10pin for DMOD3C connection
ext. Power	12...15V (max. 1A current drawn) for stand alone mode / extern supply

Control options

DFM	NetControl2 <ul style="list-style-type: none"> • 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