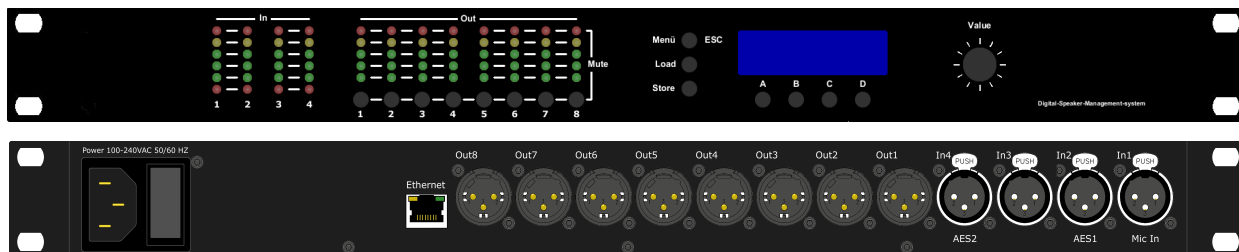


Integrate DFM's superior DSP and network performance without any modification



The **DFM-Audio OEM C3-Controller Series** is designed to extend our DSP product range with a 19" Loudspeaker Controller to easily implement DSP and network features in your existing speaker amplifier systems. The device could be controlled by DFM's NetControl software, which enables you to build large and complex setups so easily as possible. There is also an option for labeling and branding the device and software with your company name.

Firmware Versions:

Equalizer:

- All parameters can be changed directly by customer and were stored in the preset
- 24 Presets

Controller:

- Output parameters are stored in speakers-presets and can be separate loaded
- 24 Presets
- 64 Speakers

C3 Display Features:

- graphical LCD Display
- 7 multi function push button
- 1 encoder with push button
- level meter on input and output
- Mute-Key for all outputs
- All parameters editable on display

Microphone Input:

- Channel 1 can be used as microphone input with +20dB gain
- +48V phantom power

DSP:

Input (User Configuration)

- adjustable input level; Mute function
- 15 EQ (IIR) filter; Frequency, Gain and Quality are adjustable
- Input delay (up to 1000 ms)
- **FIR with 1024-Taps**

Output (Manufacturer Configuration)

- Output level is adjustable
- Flexible routing with Addition/Subtraction
- 2 crossover filter (up to 8th order)
- 10 EQ (IIR) filter; Frequency, Gain and Quality are adjustable
- Output delay (up to 500 ms)
- Phase is invertible
- RMS Limiter; Threshold/Attack/Release are adjustable
- **FIR with 512-Taps**

Connectors:

- 4x analogue inputs XLR
- 8x analogue outputs XLR
- 2x AES Inputs XLR (multiplexed with analogue input)
- 10/100MBit Ethernet

PC-Software:

- controlling multiple devices
- group features
- OEM branding option
- support for NetControl

C3 Network Features:

- 10/100MBit Ethernet

C3 Audio Performance:

Audioprocessing

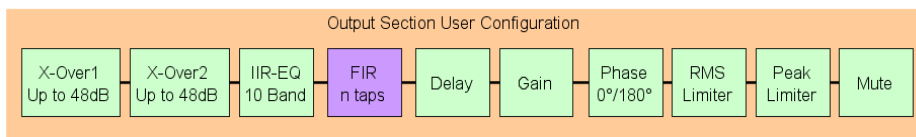
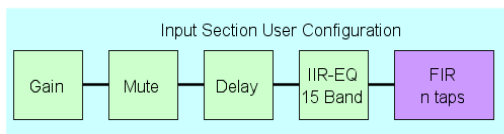
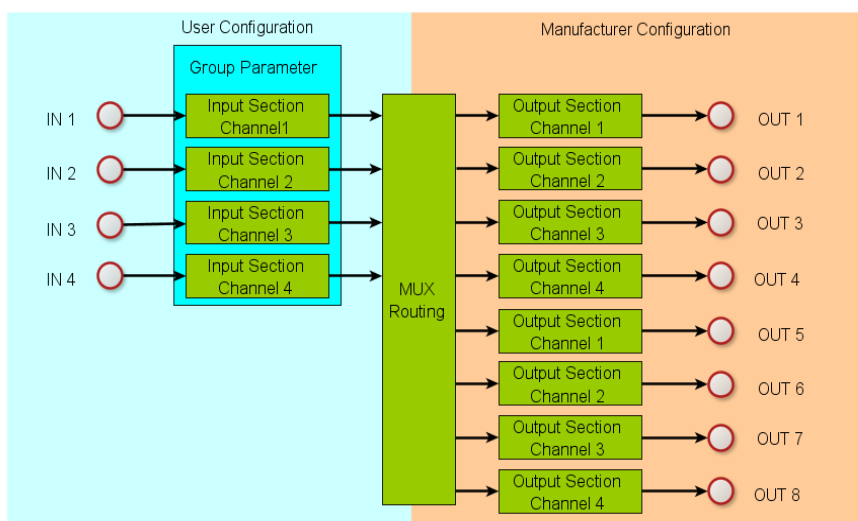
- 40bit floatingpoint with 96 kHz sampling-rate

AD

- 120db SNR , -100 dB THD/N
- +18dBu Input Level

DA

- 120db SNR , -104 dB THD/N
- +18 dBu Output Level



General informations:

Power supply: 95 – 240 V AC over IEC connector

Interface connection: 10/100 MBit Ethernet

External dimensions (WxHxD): 482 x 44 x 210 mm

Weight: 2,80 kg