



Loudspeaker Management System HD2

- freely combinable IIR and FIR equalization
- precision peak and RMS limiters per output
- IIR filters: up to 96 fully parametric high precision filters
- IIR crossover filters: 6-60 dB/oct
- FIR filters: 1 FIR provided per output channel
- mixed linear and minimum phase equalization
- max frequency resolution 3 Hz (even at low frequencies)
- separate limiter thresholds for amps (peak/RMS) and speakers (peak/temp.)
- FIR filters with amplitude and phase generated from speaker measurements

HD2-Audio Performance

Max. input level	+28, +21, or +15 dBu (selectable)
Max. output level	+18 dBu
Frequency response (-0,5dB)	4 Hz up to 47 kHz
Dynamic ranges	
ADC	> 130 dB (dual range mode) 118 dB (single range mode)
DAC	121 dB
Overall	121 dB
THD (1 kHz)	
ADC	-113 dB (+4 dBu) -105 dB (0 dBFS)
DAC	-110 dB (+4 dBu) -102 dB (+18 dBu)

All values ref. 20 Hz - 20 kHz, linear weighting

Technical details subject to modification

HD2-Features

- 96 kHz / 48 bit processing
- ADC inputs configurable to provide 4 normal or 2 dual range inputs with extended dynamic range
- AES / EBU digital IO
- Dante audio network support
- Wordclock In/Out (Dante)
- sample rate converter
- 8 analog outputs
- front panel or blackbox version available
- operation via ethernet
- operating software (Win/Linux/Mac) provided
- mainboard available for customized solutions
- also available with 4 outputs



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