

KONTROL FIR48

4 in / 8 out DSP Loudspeaker management controller with FIR filters



FEATURES

- **4 Input X 8 Output Matrix**
- **32/40-bit floating-point DSP with 96KHz sampling rate**
- **10 band parametric EQ on every input and output**
- **24 preset database**
- **Input & Output delay up to 1000ms**
- **FIR filters on all output channels with 512 taps**
- **Multiple DSPs can be networked**
- **Supports remote control via App**

The Alpha Acoustics® DSP FIR48 is a powerful 4 input, 8 output matrix processor with FIR filters. The DSP uses ADI SHARC 21489 400MHz 32/40-bit floating-point DSP with 96KHz sampling rate and ELNA electrolytic capacitors to provide top notch audio quality. Various filters are available from input gain/delay/noise gate /EQ/ compression /FIR to the output gain/delay/polarity/ crossover/FIR/EQ/compression/peak limiter and parametric equalizers.

KONTROL FIR48 SPECIFICATIONS

Configuration	4 input X 8 output
S/N Ratio	>112 dBA (A-Weighted)
Frequency Response	+/-0.5dB (20Hz~20kHz)
AD & DA Converters	24bit-96kHz
Max Input/Output Level	+20dB
Parametric Equalization	Input 10-band, Output 10-band
Filter Type	FIR / PEQ / Low-Shelf / Hi-Shelf / ALL PASS
Crossover Section HPF/LPF	Butterworth 6/12/18/24/36/48dB per octave Bessel 6/12/18/24/36/48dB per octave Linkwitz-Riley 12/24/36/48dB per octave
Mini fixed Delay	<2ms
Delay	Input and Output Delay up to 1000ms
Device presets	User Presets : 24
Power	~220V / 50 Hz
Power Consumption	<20W
Product size	483(W) X 270(D) X 45(H) mm
Package dimensions	548(W) X 395(D) X 85(H) mm
Weight	4.7 Kg

APPLICATIONS

Auditoriums / Townhalls / Corporate buildings / Theatres / Meeting rooms

**Specifications subject to change without notice. 01/2023*

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