



VERSADRIVE SC-48 FIR

Think Dif FIR ently

Product Description

VERSADRIVE SC-48 FIR is a 4-in / 8-out signal processor from our VERSADRIVE Series — engineered to deliver advanced tuning, routing and FIR-based optimisation for large-scale live and installation systems.

Equipped with high-resolution 24-bit / 96 kHz AD/DA converters, SC-48 FIR combines powerful DSP processing with FIR filtering technology, enabling independent control over magnitude and phase for more precise equalisation, improved frequency response and enhanced power consistency across the system.

With four input channels and eight fully routable outputs, it offers comprehensive matrix flexibility for complex PA configurations. Each output includes RMS compressors and peak limiters, ensuring robust loudspeaker protection and stable long-term performance.

Connectivity options include USB, RS232, RS485 and Ethernet (RJ45), providing full remote PC control via the included software — ideal for both touring engineers and fixed venue installations. AES digital inputs ensure seamless integration with digital audio systems, while password protection secures settings in permanent installs.

With FIR precision, comprehensive preset library, extensive routing capabilities and advanced protection tools, VERSADRIVE SC-48 FIR sets the standard for high-end system control and optimisation.

Key Features

- | | |
|----------------|---------------------------|
| ✓ User Presets | ✓ 4 Inputs |
| ✓ 8 Outputs | ✓ Data Connection: Dante® |
| ✓ FIR | ✓ USB / RS232 and RS485 |



Specifications

Specification	Value
Max Input Level	+18 dBu
Inputs	4
Outputs	8
Input Type	USB / RS232 and RS485
Controller Data Connection	Dante®
Input Connections	XLR
Output Connections	XLR
Input Impedance	Balanced 500 KΩ, Unbalanced <500 KΩ
Input Effects	Gain, Mute, Link, High-pass filter, Low-pass filter, Noise Gate, 8-band parametric EQ, 31 band graphic EQ, Phase, Delay
Output Effects	Crossover, 5-band parametric EQ, Gain, Mute, Compressor / Limiter, Phase, Delay, Linking
Max Output Level	+20 dBu
Frequency Response	20 Hz-20 KHz ± -0.3 dBu
FIR	Yes
SNR	>115 dBu
THD+N	<0.005 at 1 KHz (0 dBu)
Digital Processing	24-bit sigma-delta ± 96 KHz sampling rate
Software Included	Yes
User Presets	Yes
RS232 Port	Yes
Impedance	Balanced 500 KΩ, Unbalanced <500 KΩ
Crosstalk	<100 dB below full scale
Display Type	20 × 2 LCD Display
Password Protected	Yes
USB	1 (PC Control)

Specifications (continued)

Specification	Value
Included Accessory	Power Cable, User Manual
Unpacked Height	45 mm
Unpacked Width	480 mm
Unpacked Rear	480 mm
Unpacked Depth	245 mm
Net Weight	2.88 kg