



Dx46

FIR-DRIVE SOUND SYSTEM PROCESSOR

Born of the legacy of such legendary DSPs as the Dx34, Dx38 and N8000, the Dx46 combines ease of use and flexibility of control with the industry's most advanced DSP technology: FIR-Drive.

FIR-Drive

The Dx46 brings the same technology found in NetMax and RCM-26 equipped Tour Grade amplifiers to a new, compact and easy to use form factor. Providing six channels of 512-tap, complex phase FIR filters in addition to EV's state of the art PA Limiter and TEMP Limiter algorithms

Connectivity Your Way

The Dx46 provides a USB interface for convenient local connection as well as an Ethernet interface with an integrated switch for more advanced and networked connectivity. Additionally, five GPI ports provide input for contact closures or other hardware interfaces.

IRIS-Net

IRIS-Net allows complete integration of your EV sound system, including amplifiers, external controls, amplifiers and much more. Providing complete control, configuration, and supervision through standard or customized interfaces, IRIS-Net allows the ultimate in flexibility for controlling what you want to control-how you want to control it.

Advanced DSP Options

The Dx46 provides complete input processing, with graphic EQ, PEQ and delay. You also get a complete FIR-Drive outputs stage including crossover, EQ and dynamics. But the Dx46 goes further providing specialized Array EQ and Array Delay blocks on each output. Configuring and adjusting highly specialized array, cluster or zoned systems has never been more convenient.



- ▶ 2x6 FIR-Drive loudspeaker processor
- ▶ Analog and AES/EBU inputs
- ▶ Full IRIS-Net control and configuration
- ▶ Ethernet and USB data interfaces
- ▶ Full loudspeaker protection package including PA and TEMP limiters
- ▶ Dedicated array EQ and delay sections for advanced applications
- ▶ -6dB switchable analog pad inserted before A/D converters on inputs
- ▶ 4 Separate delay sections
- ▶ 5 Contact closure inputs
- ▶ 60 Factory presets
- ▶ 30 User presets
- ▶ Unique Edit/Compare mode



Property	Value
Mains Voltage	100 to 240V, 50 to 60Hz
Power Consumption	25W
Analog Audio Inputs	2xXLR In, electronically balanced 2xXLR Through, electronically balanced
Digital Audio Inputs	1xXLR AES/EBU In 1xAES/EBU Out
Digital Audio Format	AES3, 32 kHz to 192 kHz Sample Rate
Nominal Input Voltage	1,55 V / + 6 dBu
Maximum Input Voltage (with -6dB PAD engaged)	17,3 V / + 27 dBu
Input Impedance	10kΩ
Common Mode Rejection	-85 dB
A/D Conversion	24-Bit Delta Sigma
Analog Audio Outputs	6 x XLR Out, electronically balanced
Nominal Output Voltage	1,55 V / + 6 dBu
Maximum Output Voltage	8,7 V / + 21 dBu
Output Impedance	50Ω
D/A Conversion	24-Bit Delta Sigma
Frequency Response	20 Hz to 40 kHz (-3 dB)
THD+N	<0,002% (band limited 20 Hz to 20 kHz)
Dynamic Range	116 dB (A-weighted)
USB	USB type B on front panel (PC Interface)
Ethernet	2xRJ45
Control Port	1x6 pole Euro Block Software Configurable for Preset Recall
Sample Rate	48 kHz
Daa Format	24-Bit
Internal Processing	48-Bit Double Precision
Operating Temperature Range	0°C to +40°C
Dimensions (WxHxD)	483x356,1x43,6 mm
Weight (Net)	4.8 kg

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