



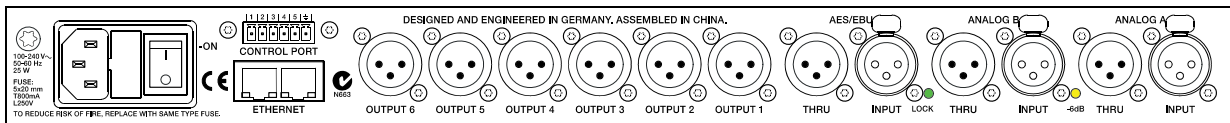
Proven in thousands of installations and live applications around the world, EV delivers truly state-of-the-art DSP for today's applications. EV's Dx46 sets the standard for digital

loudspeaker controllers, providing 48-bit filter algorithms, 24-bit AD/DA conversion and a dynamic range of 115 dB.

Dx46 TWO-IN/SIX-OUT FIR-DRIVE SOUND SYSTEM PROCESSOR



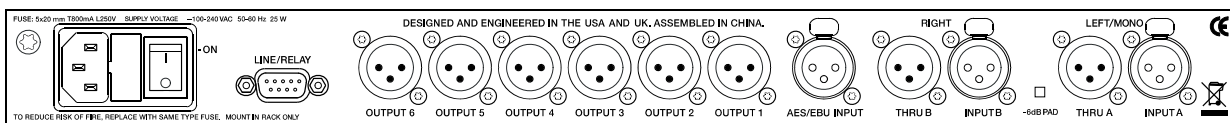
- IRIS-Net software provides complete control, monitoring and supervision
- FIR-Drive loudspeaker optimization
- Analog and AES/EBU inputs
- Switchable -6 dB pre-A/D converter pad
- 24-bit AD/DA conversion
- 48-bit filter algorithms
- 115 dB dynamic range
- Ethernet and USB data interfaces
- Dedicated array EQ and delay sections
- 4 separate delay sections
- 5 contact closure inputs
- 60 factory presets, 30 user presets
- Unique edit/compare mode for audible parameter adjustment
- Full loudspeaker protection package, including both Peak Anticipation and TEMP limiters
- Editor Software IRIS-Net



DC-One TWO-IN/SIX-OUT SOUND SYSTEM PROCESSOR



- DC-One Editor Software control via USB port
- Analog or AES/EBU Inputs
- Switchable -6 dB pre-A/D converter pad
- 24-bit AD/DA conversion
- 32-bit Floating Point internal processing
- 111 dB dynamic range
- Six predefined operation configurations
- Contact closure interface for remote preset recall
- 60 factory presets, 20 user presets
- Unique edit/compare mode for audible parameter adjustment
- Highly-customizable security settings



DC-One Editor Software PC-BASED EDITING SOFTWARE FOR DC-ONE



- Easy connection to DC-One hardware via USB
- Detailed, real-time control and supervision of DC-One hardware
- Intuitive user interface
- State-of-the-art graphics provide detailed, easy-to-understand system overview
- Graphical navigation and block diagrams provide easy access to all functions and DSP sections
- Unique delay adjustment interface positions components as they actually exist in space
- Selective lockout of front-panel access protects settings from tampering
- Available as a free download at www.electrovoice.com



	Dx46	DC-One
Analog Inputs (Electronically Balanced)	Two XLR, Two XLR THRU OUT	Two XLR, Two XLR THRU OUT
Analog Outputs (Electronically Balanced)	Six XLR	Six XLR
Digital Inputs	XLR AES/EBU (2-channel)	XLR AES/EBU (2-channel)
Maximum Input Voltage	8.7 V/+21 dBu (analog pad not engaged)	8.7 V/+21 dBu (analog pad not engaged)
Nominal Input Voltage	1.55 V/+ 6 dBu	1.23 V/+ 4 dBu
Input Impedance (Balanced)	10 kΩ	10 kΩ
Maximum Output Voltage	8.7 V/+21 dBu	8.7 V/+21 dBu
Nominal Output Voltage	1.55 V/+6 dBu	1.23 V/+ 4 dBu
Output Impedance (Balanced)	50 Ω	50 Ω
Frequency Response	20 Hz – 22 kHz (+/-0.5 dB)	10 Hz – 22 kHz (±0.5 dB)
Dynamic Range	116 dB (A-weighted)	111 dB (unweighted, band limited 22–22,000 Hz)
THD+N	<0.002% (band limited 20–20,000 Hz)	<0.01% (band limited 22–22,000 Hz)
A/D Conversion	24-bit Delta Sigma	24-bit/Sigma-Delta (linear phase) 128 times oversampling
D/A Conversion	24-bit Delta Sigma	24-bit/Sigma-Delta 128 times oversampling
Data Format	24-bit	24-bit
Internal Processing	48-bit double precision	32-bit floating point
Sample Rate	48 kHz	48 kHz
Control Protocol	USB, Ethernet	Front-panel USB port
Dimensions (H x W x D)	1.74" x 19" x 14" (44.25 x 482.6 x 355.6 mm)	1.74" x 19" x 14" (44.25 x 482.6 x 355.6 mm)
Net Weight	10.14 lb (4.6 kg)	10.14 lb (4.6 kg)