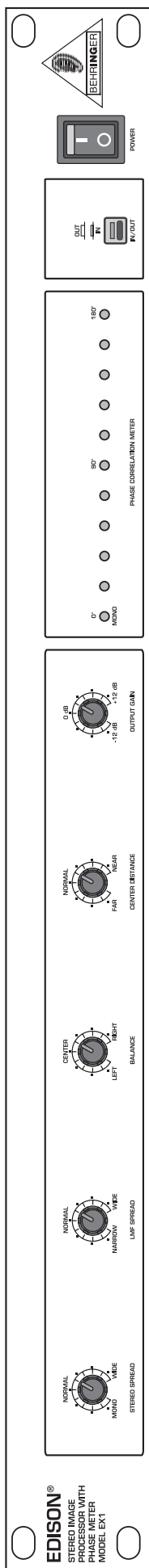


EDISON®

EX1



Technical Specifications

Version 1.0 May 2000

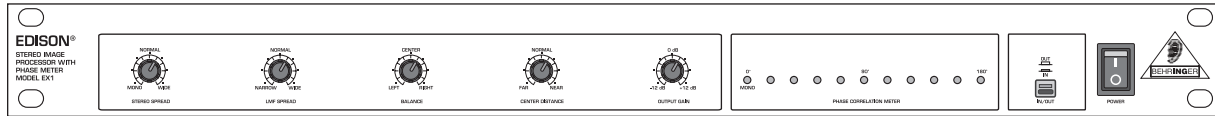
ENGLISH



www.behringer.com

EDISON

Stereo image processor with phase meter



- ▲ New psycho-acoustic processor for total manipulation of spatial content
- ▲ Releases the untapped stereo resources of any stereo recording
- ▲ Creates and enhances 3D spatial images such as width and depth
- ▲ No decoding needed during reproduction
- ▲ Fully mono compatible
- ▲ Accurate phase correlation meter to measure any recording for mono compatibility
- ▲ Servo-balanced inputs and outputs
- ▲ Relay controlled hard-bypass with auto-bypass function during power failure (failsafe relay)
- ▲ Cut-in delay to avoid switch-on thumps
- ▲ BEHRINGER's extremely low noise audio op-amps
- ▲ Illuminated switches
- ▲ 41 detent potentiometers
- ▲ XLR and 1/4" jack connectors
- ▲ High-performance output transformer BEHRINGER OT-1 retrofittable
- ▲ Manufactured under ISO9000 certified management system

SPECIFICATIONS

Analog inputs

Connectors	XLR and 1/4" jack
Type	RF filtered, servo-balanced input
Impedance	60 k Ω , balanced
Nominal operating level	-10 dBV to +4 dBu
Max. input level	+20 dBu balanced and unbalanced
CMR @ 1 kHz	> 40 dB

Analog outputs

Connectors	XLR and 1/4" jack
Type	electronically servo-balanced output stage (optional transformer-balanced), automatic level correction for unbalanced use (correction = 6 dB)
Impedance	40 Ω balanced and unbalanced
Max. output level	+26 dBu balanced, +21 dBu unbalanced

System specifications

Bandwidth	5 Hz to 100 kHz, +0/-1 dB
Noise	-92 dBu (20 Hz to 22 kHz, all controls centered)
THD	0.005 % typ. @ +4 dBu, 1 kHz, gain 1 (all controls centered)
Crosstalk	> -50 dBu @ 20 kHz

Stereo processor

Type	"Stereo image" processor
Stereo spread	variable, MONO to WIDE
LMF spread	variable, NARROW to WIDE
Balance	variable, LEFT to RIGHT
Center distance	variable, FAR to NEAR
Output gain	variable, -12 dB to +12 dB

Phase correlation meter

Type	synchronized rectifier circuit
Operating range	-30 dBu to +20 dBu

Function switches

In/Out	relay controlled hard-bypass
LED indicator for In/Out switch	

Power supply

Mains voltages	USA/Canada	120 V ~, 60 Hz
	U.K./Australia	240 V ~, 50 Hz
	Europe	230 V ~, 50 Hz
	general export model	100 - 120 V ~, 200 - 240 V ~, 50 - 60 Hz
Fuse	100 - 120 V ~: T 315 mA H	
	200 - 240 V ~: T 160 mA H	
Mains connection	standard IEC receptacle	

Physical

Dimensions (H * W * D)	1 3/4" (44.5 mm) * 19" (482.6 mm) * 8 1/2" (217 mm)
Net weight	app. 3.0 kg
Shipping weight	app. 4.3 kg

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