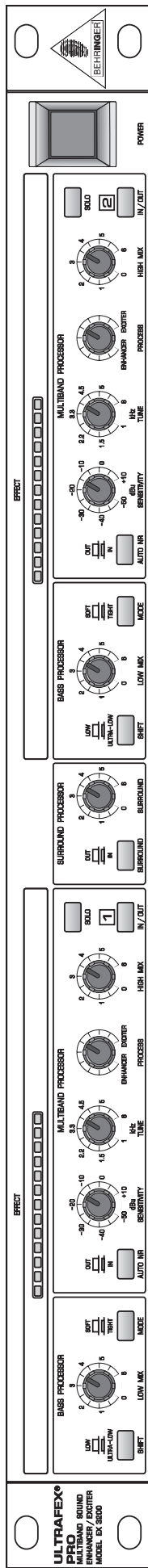


ULTRAFEX[®] PRO EX3200



Technical Specifications

Version 1.1 May 2000

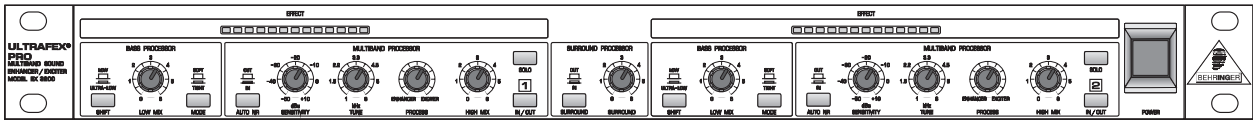
ENGLISH



www.behringer.com

ULTRAFEX PRO

Professional and multi-purpose Sound Enhancement system for stage and studio applications



- ▲ Gives your music that extra sparkle and makes your instruments or mixes stand out
- ▲ Releases untapped resources and details instruments, vocals and mixed program material
- ▲ Multiband concept for bass power and high frequency transparency
- ▲ “Natural Sonic” processor for ultra-musical sound improvement
- ▲ VSP (Variable Sound Processing) circuit for simultaneous Enhancer and Exciter process
- ▲ “Dual Mode” ultra-bass enhancer produces “soft” and “tight” bass sounds
- ▲ Shift function allows you to control the frequency range of added bass punch
- ▲ Surround processor provides you real spatial enhancement and improved stereo imaging
- ▲ Built-in Noise Reduction system with precision LED display to provide clear visual indication of operation
- ▲ Solo facility for effect loop application
- ▲ Servo-balanced gold-plated XLR and 1/4" TRS inputs and outputs
- ▲ Ultra-low noise 4580 audio operational amplifiers for superior sound performance
- ▲ Relay controlled Hard Bypass with an auto bypass function during power failure (failsafe relay)
- ▲ High-quality detent potentiometers and illuminated switches
- ▲ BEHRINGER’s high-performance output transformer OT-1 retrofittable
- ▲ Manufactured under ISO9000 certified management system

SPECIFICATIONS

AUDIO INPUT

Connectors	XLR and 1/4" jack
Type	RF filtered, servo balanced input
Impedance	50 kOhms balanced, 25 kOhm unbalanced
Max. Input Level	+21 dBu balanced and unbalanced (unity gain)
CMRR	typ. 40 dB, >55 dB @ 1 kHz

AUDIO OUTPUT

Connectors	XLR and 1/4" jack
Type	electronically servo-balanced output stage (optional transformer-balanced). Automatic level correction for unbalanced use (6 dB).
Impedance	60 Ohms balanced, 30 Ohm unbalanced
Max. Output Level	+21 dBu, +20 dBm balanced and unbalanced

SYSTEM SPECIFICATIONS

Bandwidth	20 Hz to 20 kHz, +0/-0.5 dB
Frequency Response	0.35 Hz to 200 kHz, +0/-3 dB
Noise	> 95 dBu, unweighted, 22 Hz to 22 kHz
THD	0.008 % typ. @ +4 dBu, 1 kHz, Gain 1 0.04 % typ. @ +20 dBu, 1 kHz, Gain 1
IMD	0.01 % typ. SMPTE
Crosstalk	<-100 dB, 22 Hz to 22 kHz

BASS PROCESSOR

Type	"Dual Mode" bass processor
Low Mix	variable (0 to 6)

MULTIBAND PROCESSOR

Type	"Natural Sonic" processor with VSP (Variable Sound Processing)
NR Sensitivity	variable (0 to 6)
Tune	variable (1 to 8 kHz)
Process	variable (Enhancer to Exciter)
High Mix	variable (0 to 6)

SURROUND SECTION

Surround	variable (0 to 6)
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FUNCTION SWITCHES AND CONTROLS

Shift	switches the frequency of the bass processor between "low" and "ultra-Low"
Mode	switches the bass sound from "soft" to "tight"
Auto NR	activates the noise reduction system
In/Out	activates the relay controlled hard-bypass
Solo	monitors the pure effect signal (solo function)
Surround	activates the surround processor

INDICATORS

Effect	13 LED meter indicates the effect
Function switch	LED indicator for each function 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 250 mA H
	200 - 240 V ~:	T 125 mA H
Power consumption	max. 16 Watts	
Mains connection	standard IEC receptacle	

PHYSICAL

Dimension (H * W * D)	app. 1 3/4" (44.5 mm) * 19" (482.6 mm) * 8 1/2" (217 mm)
Net Weight	app. 2.2 kg
Shipping Weight	app. 3.4 kg

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