

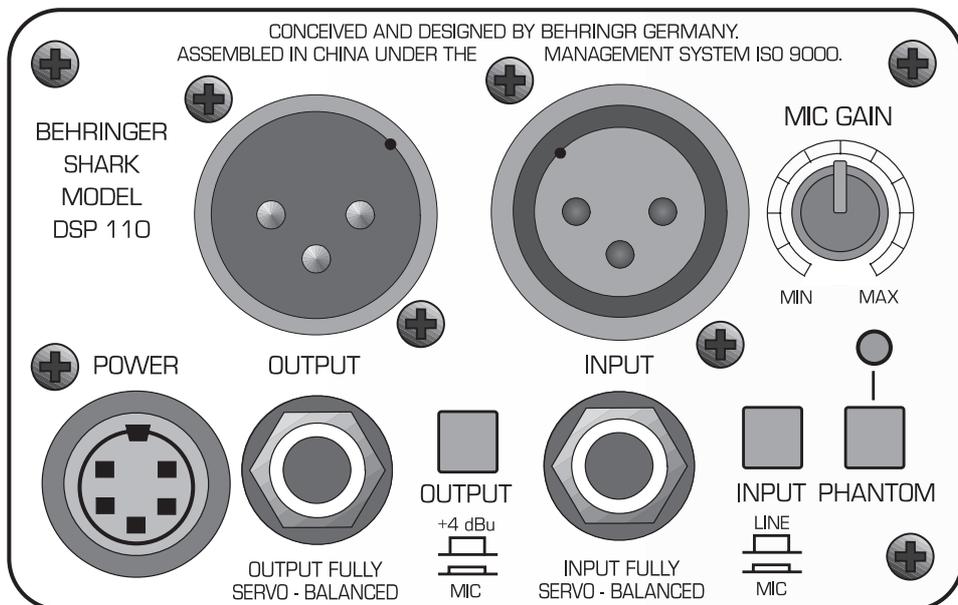
DSP110

SHARK®

Technical Specifications

ENGLISH

Version 1.1 June 2000



www.behringer.com

SHARK®

Easy-to-use automatic **FEEDBACK DESTROYER** with additional learn function for reliable feedback suppression

- ▲ Variable delay line with up to 2.5 seconds of delay, adjustable in msec, meters or feet
- ▲ Ultra-musical compressor with adjustable density and speed parameter
- ▲ Extremely fast automatic noise gate with learn function and optional manual setting
- ▲ Musical low-cut filter with adjustable cut-off frequency
- ▲ Ultra-low noise microphone pre amp with 60 dB gain control and +48 V phantom power
- ▲ Level conversion from line to microphone level and vice versa
- ▲ Status LED's for all 12 filters
- ▲ Two 24-bit A/D and D/A converters
- ▲ Servo-balanced inputs and outputs with XLR and 1/4" phone connectors
- ▲ Rugged external power supply for maximum signal integrity and headroom
- ▲ 6-segment clip level meter with clipping indicator
- ▲ 4-digit multi-function display
- ▲ 19" rack-mounting kit for 5 SHARKs (optional)
- ▲ Manufactured under ISO9000 certified management system

SPECIFICATIONS

AUDIO INPUTS

Connectors	XLR and 1/4" phone
Type	RF filtered, servo-balanced input
Impedance	6 k Ω balanced, 3 k Ω unbalanced
Nominal Operating Level	microphone or line level source (switchable)
Max. Input Level	+19 dBu at microphone level and line level

AUDIO OUTPUTS

Connectors	XLR and 1/4" phone
Type	electronically servo-balanced output stage
Impedance	60 Ω balanced, 30 Ω unbalanced
Nominal Operating Level	microphone level source or +4 dBu (switchable)
Max. Output Level	+20 dBu at +4 dBu nominal level, -12 dBu at microphone level

SYSTEM SPECIFICATIONS

Frequency Response	10 Hz to 21 kHz
Noise	> 92 dB at line level, unweighted, 22 Hz to 22 kHz > 89 dB at microphone level, unweighted, 22 Hz to 22 kHz
THD	0.007 % typ. @ +4 dBu, 1 kHz, gain 1

DIGITAL PROCESSING

Converters	24-bit Sigma-Delta, 64/128-times oversampling
Sampling Rate	46.875 kHz

DISPLAY

Type	4-digit numeric LED display
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POWER SUPPLY

Mains Voltages	USA/Canada	120 V ~, 60 Hz, PSU DSP110UL
	U.K./Australia	240 V ~, 50 Hz, PSU DSP110UK
	Europe	230 V ~, 50 Hz, PSU DSP110EU
	Japan	100 V ~, 60 Hz, PSU DSP110JP
	General export model	100 - 120 V ~, 200 - 240 V ~, 50 - 60 Hz

PHYSICAL

Dimensions (H * W * D)	app. 2 .2" (56 mm) x 3.5" (88 mm) x 5.1" (130 mm)
Net Weight	app. 0.5 kg

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