

SHARK FBQ100

Automatic Feedback Destroyer with Integrated Microphone Preamp, Delay Line, Noise Gate and Compressor

- High performance single channel Feedback Destroyer with integrated microphone preamp, delay line, noise gate and compressor
- Automatically and "intelligently" locates and destroys up to 8 feedback frequencies
- Narrow FBQ filters for extremely effective feedback suppression, while keeping highest sonic quality
- Ultra-low noise Mic/Line input with Gain control and +48 V phantom power
- Delay line with up to 2.5 seconds of delay, adjustable in meters, feet and msec
- Noise gate with automatic and manual parameter settings
- Automatic compressor with variable density
- Subsonic filter with adjustable cut-off frequency
- Balanced inputs and servo-balanced outputs with 1/4" TRS and gold-plated XLR connectors
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany



Looking for feedback control? Maybe you need a compression or noise gate? Or a great DI box for line-level instruments? Whether you use it with microphones, acoustic instruments, or as a delay line for large venue loudspeaker systems, the FBQ100 is a "must-have" for your live and studio toolkit.

Quick and Clean

Thanks to its intelligent "Learn Mode," the FBQ100 can automatically equalize your PA and protect your sound system from feedback. BEHRINGER's search algorithm ensures feedback frequencies are attenuated within a fraction of a second, using narrow 1/60 octave single-shot filters. The remaining filters automatically take action as required, adjusting only the specific frequencies causing the feedback, so your music stays powerful and alive.

Beyond Versatile

The adjustable mic preamp, with switchable +48 V phantom power and Ultra-Low Noise technology, guarantees

noise-free, ultra-musical sound. You can choose professional studio (+4 dB) or microphone output level, so the FBQ100 can be directly connected to the mic input of a recording device. Virtually any type of signal can be connected and converted.

Delay lines are required to compensate for time variations resulting from speaker positioning in large venues. The FBQ100's delay can be adjusted in meters, feet or milliseconds. The maximum delay time of 2.5 seconds corresponds to a distance of 850 meters. Combining several FBQ100s with the optional rack-mount kit puts a complete professional loudspeaker management system at your fingertips.

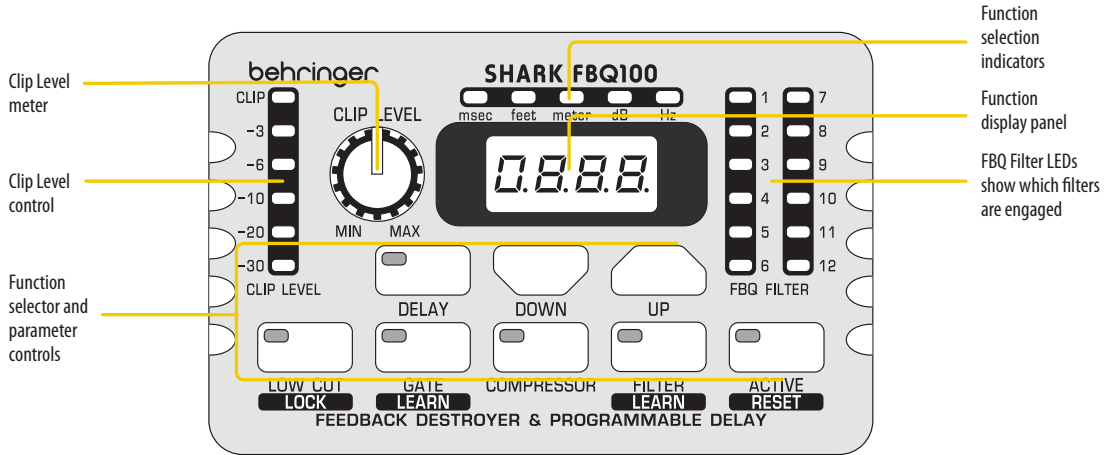
Undeniable Value

Like a sonic Swiss army knife, you'll want the FBQ100 close at hand for all your gigs and studio engagements. In fact, you'll want several, which is why they are sized to fit five across your rack.

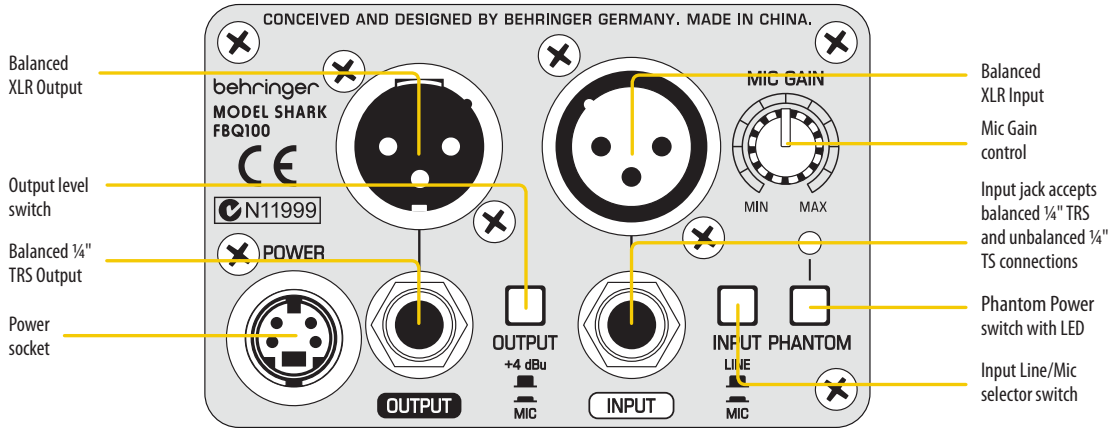


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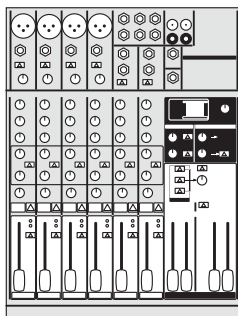
Front Panel



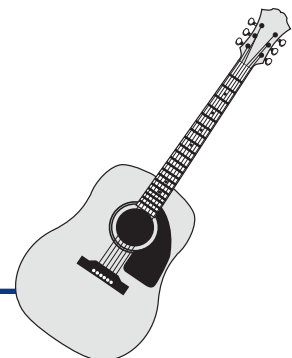
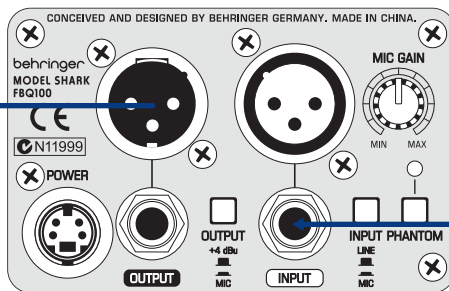
Rear Panel



FBQ100 Used as Active DI



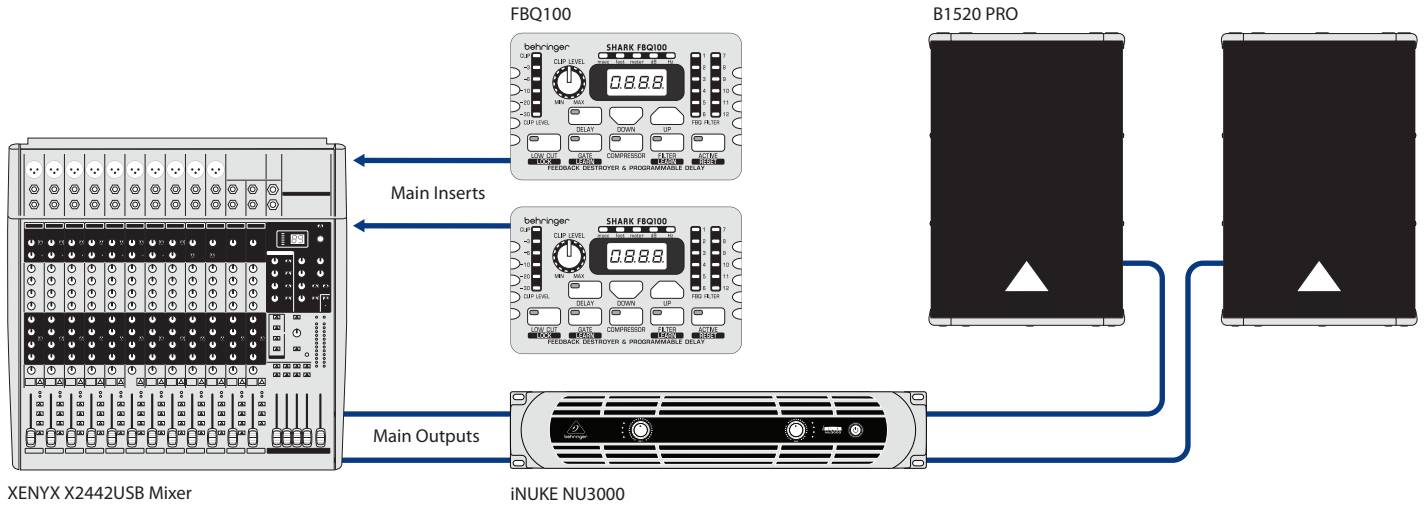
XENYX X1204USB



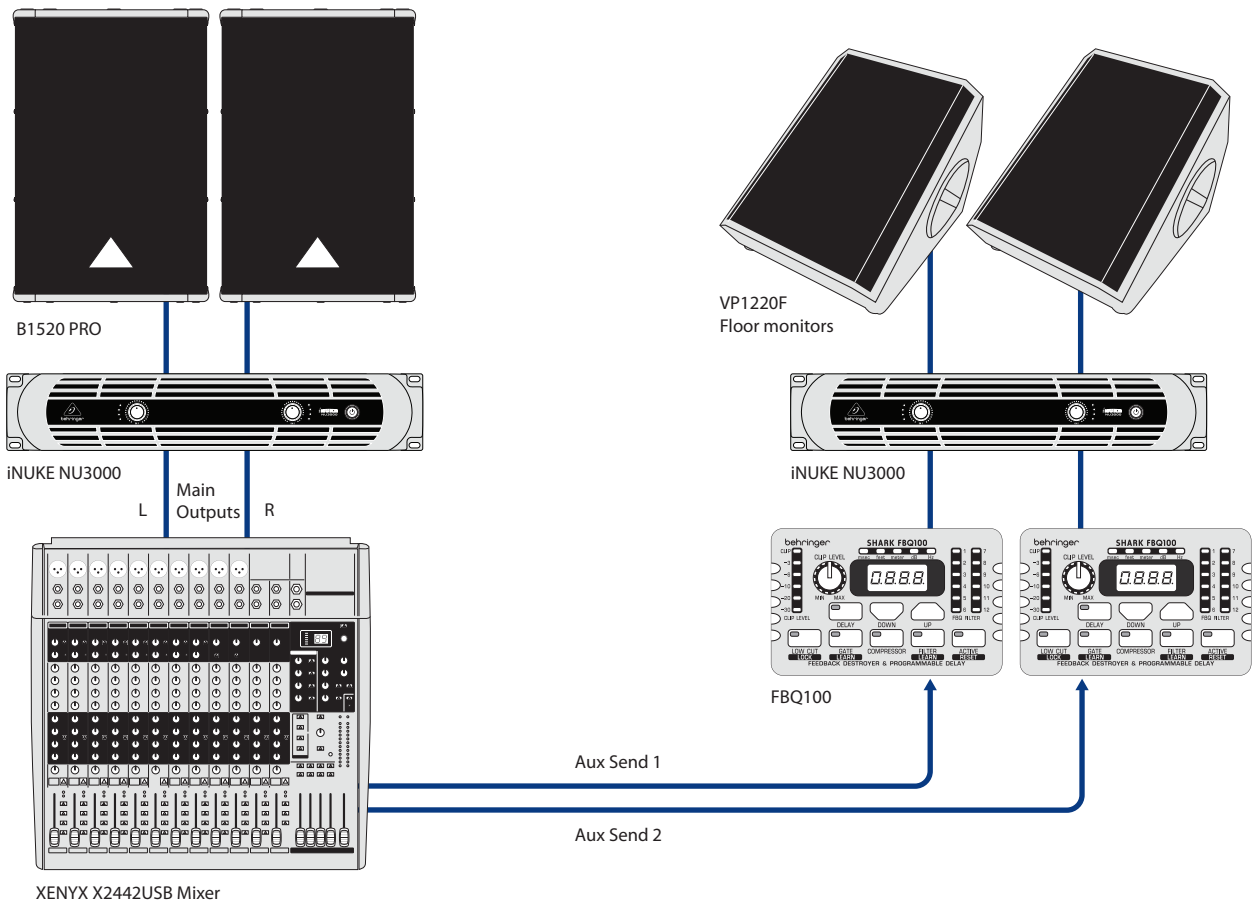
Acoustic Guitar

SHARK FBQ100

FBQ100 Main PA Hookup



FBQ100 Monitors Hookup



SHARK FBQ100

Specifications

Audio Inputs

Connectors	XLR and ¼" TRS jack
Impedance	6 kΩ balanced, 3 kΩ 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 ¼" jack
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
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Display

Type	4-digit numeric LED display
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Power Supply

Mains Voltages/Power Consumption

USA/Canada	120 V~ 60 Hz 19 W
U.K./Australia	240 V~ 50 Hz 20.5 W
Europe	230 V~ 50 Hz 20 W
Korea	220 V~ 50 Hz 20 W
China	220 V~ 50 Hz 20 W
Japan	100 V~ 50/60 Hz 18 W

Physical

Dimensions (H x W x D)	approx. 56 x 88 x 132 mm (2.2 x 3.5 x 5.2")
Net Weight	approx. 0.38 kg (0.84 lbs)

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