

## Signal Processors

# Feedback Destroyer FBQ1000

### Automatic and Ultra-Fast Feedback Destroyer/Parametric EQ with 24 FBQ Filters

- High-performance 2-channel Feedback Destroyer and Parametric EQ
- Automatically and "intelligently" locates and destroys up to 24 frequencies
- Ultra-narrow FBQ filters for extremely effective feedback suppression, while keeping highest sonic quality
- "Set-and-forget" default setting enables immediate and super-easy Feedback Destroyer performance
- Auto mode continuously monitors the mix and automatically sets filters
- Single-Shot mode automatically detects and destroys feedback plus locks the filter until you reset it manually
- Manual mode allows setting of up to 24 fully parametric filters with individual frequency, bandwidth and gain parameters
- Extensive MIDI implementation and user preset memories for instant program recalls
- Balanced inputs and servo-balanced outputs with ¼" TRS and gold-plated XLR connectors
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany



The FBQ1000 Feedback Destroyer is the fastest feedback suppressor on the market, with a response time of less than 0.2 seconds. Whether you use it to kill feedback dead in its tracks for your mains and/or monitors, or as a sophisticated parametric equalizer to fine-tune the acoustics of your next gig, the FBQ1000 will bring a new level of finesse to your sound. And if you use in-ear-monitors, the FBQ1000 is a must-have to protect your most valuable assets—your ears!

#### One Smart Solution

Using an ultra-fast feedback detection algorithm, the FBQ1000 automatically and "intelligently" locates up to 12 feedback frequencies per channel. The algorithm then sets extremely narrow notch filters (up to 1/60<sup>th</sup> of an octave) to

"destroy" feedback frequencies, leaving the remainder of your signal virtually untouched. And with the "Set-and-Forget" default setting, your Feedback Destroyer can be up and running in a matter of seconds.

#### Ease of Operation

The Auto Mode continuously monitors the mix, resetting programmed filters automatically to eliminate the slightest hint of feedback, without you having to do anything at all. It just doesn't get much easier than that! If you prefer a more "hands-on" approach, the Manual Mode allows you to program up to 24 fully parametric filters (with frequency, bandwidth and gain controls) to optimize your sound to the room's acoustics.

*Continued on next page*



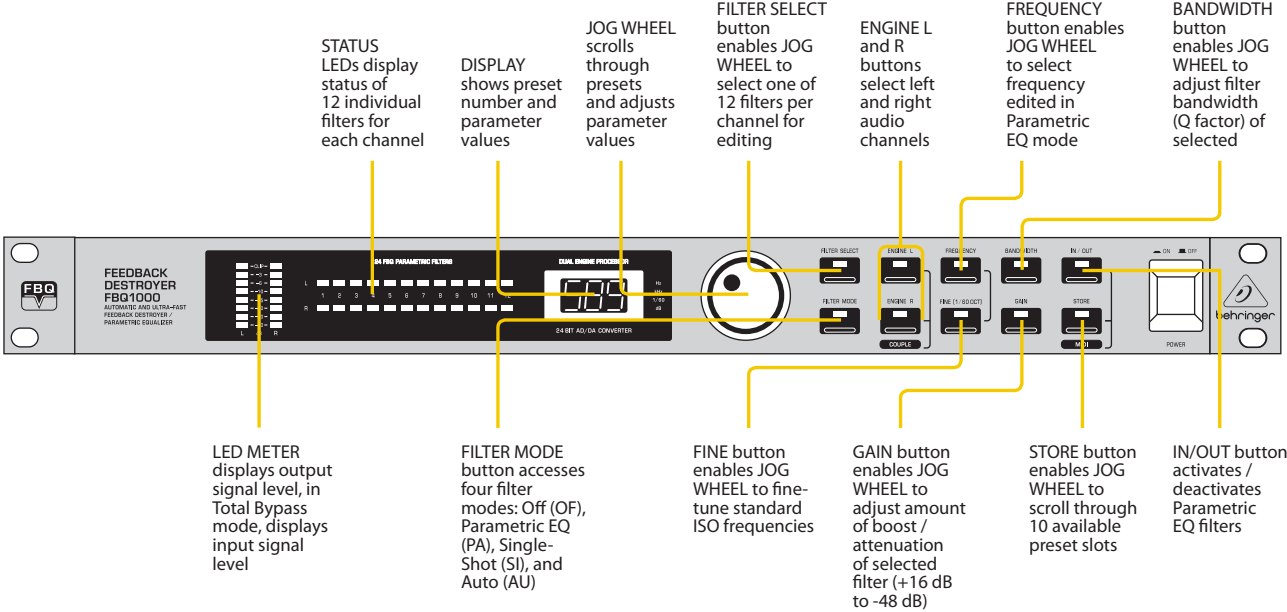
# Feedback Destroyer FBQ1000

## Be Prepared

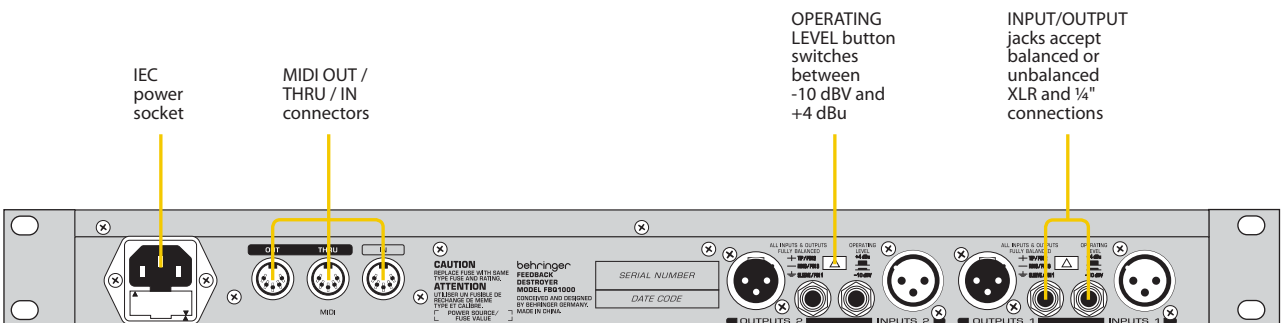
The FBQ1000 is the quick and easy way to protect yourself and your audience from live sound's #1 enemy—feedback! Plus it's rack-mountable and ultra-affordable. With the FBQ1000's various modes, you can master virtually any live sound situation or use the unit as a creative sound-shaping tool. A single FBQ1000 can protect you from feedback in both your mono PA mains and a monitor mix. Check one out at your nearest BEHRINGER dealer today. Your ears and your audience will thank you.



## Front Panel

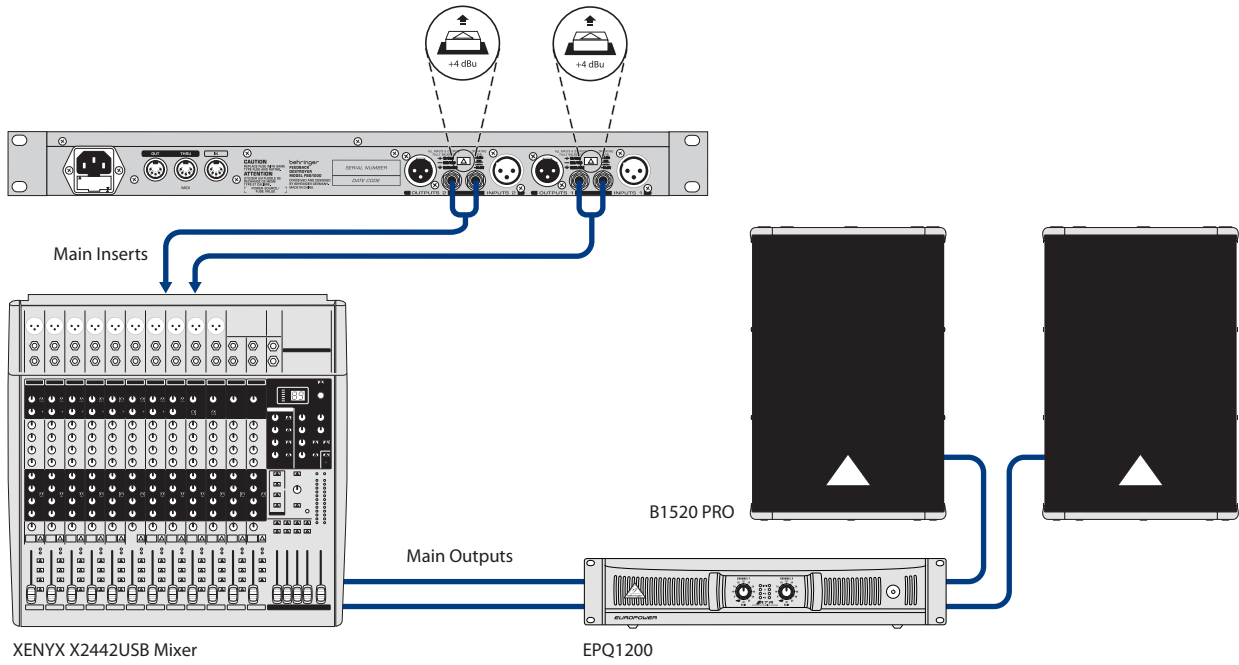


## Rear Panel



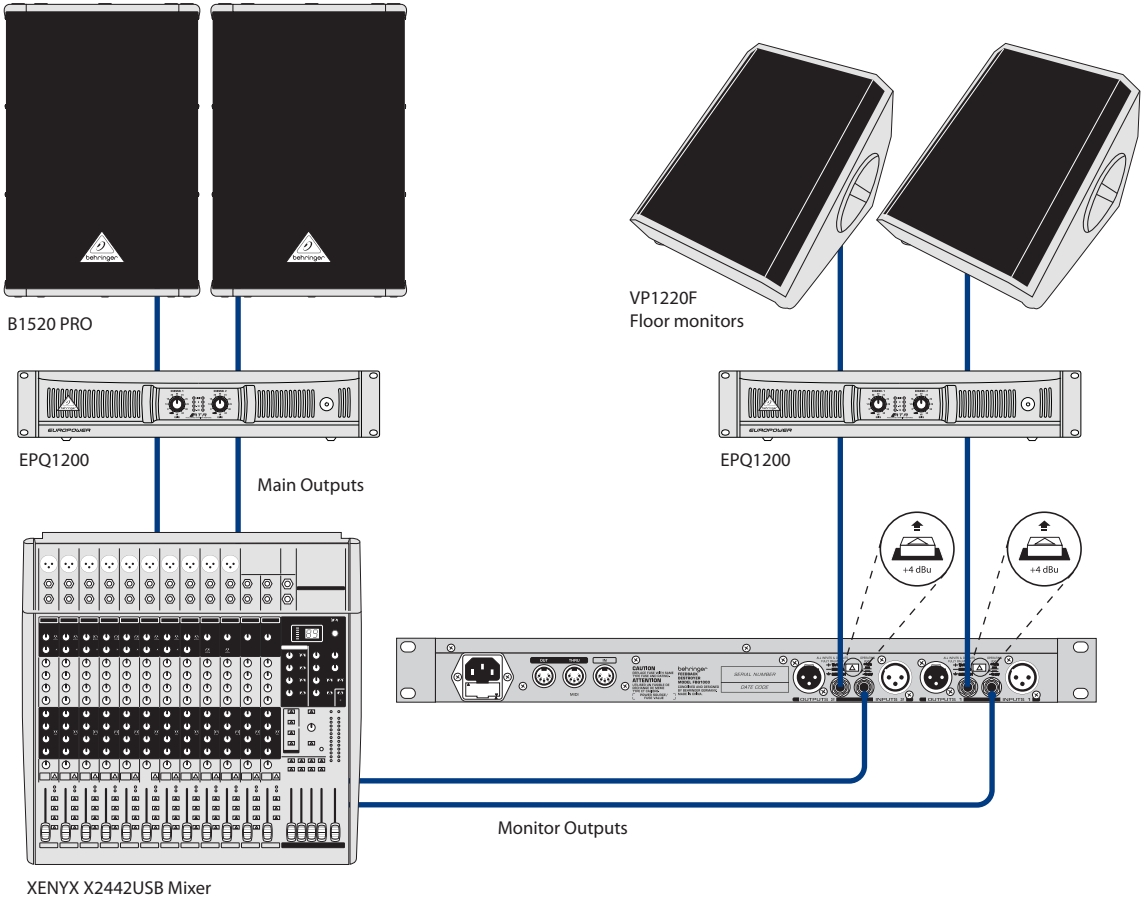
# Feedback Destroyer FBQ1000

## FBQ1000 Main PA Hookup



# Feedback Destroyer FBQ1000

## FBQ1000 Monitors Hookup



# Feedback Destroyer FBQ1000

## AUDIO INPUTS

Connectors	XLR and 1/4" TRS
Type	RF-filtered, servo-balanced input
Impedance	60 k $\Omega$ balanced, 30 k $\Omega$ unbalanced
Nominal operating level	-10 dBV to +4 dBu (switchable)
Max. input level	+16 dBu at +4 dBu nominal level, +2 dBV at -10 dBV nominal level

## AUDIO OUTPUTS

Connectors	XLR and 1/4" TRS
Type	Electronically servo-balanced output stage
Impedance	60 k $\Omega$ balanced, 30 k $\Omega$ unbalanced
Max. output level	+16 dBu at +4 dBu nominal level, +2 dBV at -10 dBV nominal level

## SYSTEM SPECIFICATIONS

Bandwidth	20 Hz to 20 kHz, +0/-1 dB
Noise	> 94 dB, unweighted (20 Hz to 20 kHz)
THD	0.0075 % typ. @ +4 dBu, 1 kHz, Gain 1
Crosstalk	< -76 dB

## MIDI INTERFACE

Type	5-Pin DIN Socket IN/OUT/THRU
------	------------------------------

## DIGITAL PROCESSING

Converters	24-bit Sigma-Delta, 64/128-times oversampling
------------	--

## DISPLAY

Type	2 1/2-digit numeric LED display
------	---------------------------------

## POWER SUPPLY

Mains voltages	USA/Canada 120 V~, 60 Hz (T 200 mA L, 250 V)
U.K./Australia	240 V~, 50 Hz (T 100 mA L, 250 V)
Europe	230 V~, 50 Hz (T 100 mA L, 250 V)
Korea	220 V~, 60 Hz (T 100 mA L, 250 V)
China	220 V~, 50 Hz (T 100 mA L, 250 V)
Japan	100 V~, 50/60 Hz (T 100 mA L, 250 V)
Power consumption	approx. 15 Watts max.
Mains connection	Standard IEC receptacle

## PHYSICAL

Dimensions (H x W D)	1.7 x 19 x 7.7" / 44 x 483 x 195 mm
Weight	4.22 lbs / 1.9 kg

Please note these specifications are preliminary and conceptual in nature, and as such are subject to change as product development progresses. This information is supplied for market research purposes only and is not to be made public in any manner. This document is solely the property of The MUSIC Group, or one of its subsidiaries, and must be surrendered upon request of the owner.

For service, support or more information contact the BEHRINGER location nearest you:

**Europe** Tel.: +49 2154 9206 4149  
Fax: +49 2154 9206 4199

**USA/Canada** Tel.: +1 425 672 0816  
Fax: +1 425 673 7647

**Singapore** Tel.: +65 6845 1800  
Fax: +65 6214 0275

**Australia** Tel.: +61 03 9877 7170  
Fax: +61 03 9877 7870

**Japan** Tel.: +81 3 5281 1180  
Fax: +81 3 5281 1181

©2011 Red Chip Company Ltd. Technical specifications and appearance subject to change without notice. The information contained herein is correct at the time of printing. All trademarks are the property of their respective owners. BEHRINGER accepts no liability for any loss which may be suffered by any person who relies either wholly or in part upon any description, photograph or statement contained herein. 985-10000-00474

[behringer.com](http://behringer.com)

