FBX1200 and 2400 Engineering Specifications FILTERS

12 independent digital notch filters per channel, controlled automatically from 40 Hz to 20 KHz.

Filter width: user-controllable – either 1/10 or 1/5 octave*, constant "Q" Resolution: 1 Hz

Time required to find and eliminate feedback: 0.4 seconds, typical @ 1 KHz Number of Dynamic vs. Fixed filters per channel: user selectable. Last configuration stored in memory.

Dynamic Filter Timer: Resets dynamic filters in 1, 5, 30, or 60 minutes

INPUT/OUTPUT

Input/Output Maximum Signal Levels: Balanced +27dBV peak, unbalanced +21 dBV peak

Output Drive: Unit will perform as specified driving a load >600 Ohms Input Impedance: Balanced or unbalanced >40K Ohms, PIN 2 high Output Impedance: Balanced or unbalanced 150 Ohms nominal, PIN 2 high Bypass: True power off bypass

Headroom: +23 dB peak @ 4 dBV nominal input, balanced I/O Connectors: XLR-3 and 1/4" TRS

PERFORMANCE**

Frequency response: 20 Hz - 20 KHz +/- 0.3 dB Gain matching: +/- 0.2 dB Spectral Variation: + .25 dB, 20 Hz to 20 KHz SNR - Dynamic Range: >100 dB

THD: .005% at 1 KHz < 0.01% 20 Hz - 10 KHz < 0.025% 10 KHz - 20 KHz Dynamic Range: >105 dB

POWER INPUT

115 VAC: 100 - 130 VAC 50/60 Hz 230 VAC: 200 - 240 VAC 50/60 Hz

FUSE

115 VAC, 0.1 A, 10 W, 0.160 A SB fuse 230 VAC, 0.06A, 10 W, 0.160 A SB fuse

DIMENSIONS

1-U rack mount; 19 x 1.75 x 6.25 in. nominal (rack mountable); 48.3 x 4.5 x 15.9 cm nominal

WEIGHT

8.0 lbs. (3.6 kg) nominal

OPERATING TEMPERATURE

Safe operating temperature: -15 to +50 degrees centigrade ambient temperature (5 to 122F)

*Below approximately 200 Hz the feedback filters become slightly wider to increase the feedback and rumble capture speed at these low frequencies.

**Tests performed using an Audio Precision System One model 322 or equal.

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[†]FBX and FBX Feedback Exterminator are registered trademarks of Sabine, Inc., and are the brand names of its line of automatic feedback controllers. Covered by U.S. Patent No. 5,245,665, Australian Patent No. 653,736, German Patent No. 69118486.0, U.K. Patent No. 0486679, and Canadian Patent No. 2,066,624-2. Other patents pending.