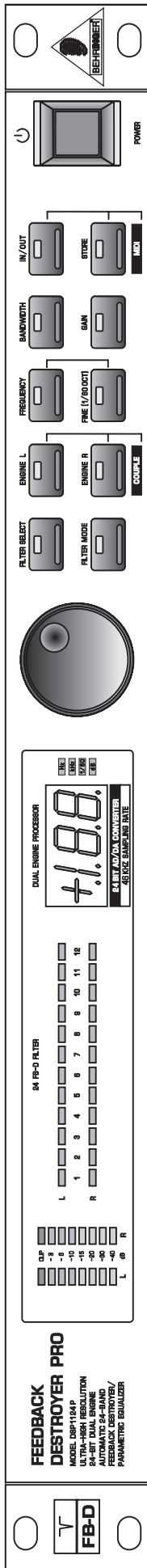


# FEEDBACK DESTROYER<sup>®</sup> PRO DSP1124P



## Technical Specifications

Version 1.0 June 2001

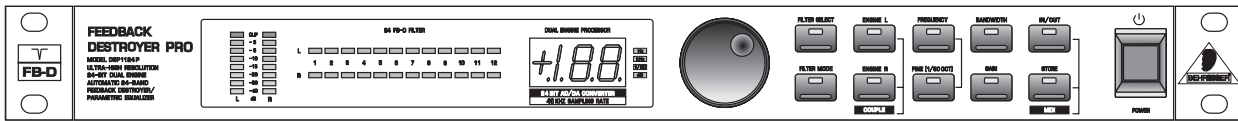
ENGLISH



www.behringer.com

# FEEDBACK DESTROYER<sup>®</sup> PRO

24-Bit Dual Engine Digital Feedback Destroyer/Parametric EQ Model DSP1124P



- ▲ Ultra-high performance 2-channel digital Feedback Destroyer/parametric EQ powered by a 24-bit high-speed DSP
- ▲ 24-bit A/D and D/A converters with 64/128 times oversampling for ultra-high headroom and resolution
- ▲ Automatically and “intelligently” searches out and destroys up to 12 frequencies per channel
- ▲ 24 fully programmable parametric filters that can be set manually or via MIDI
- ▲ “Set-and-forget” default setting enables immediate and super-easy Feedback Destroyer performance
- ▲ Single-Shot mode automatically searches and destroys feedback and locks the filter until you reset it manually
- ▲ Auto mode continuously monitors the mix, resetting programmed filters automatically
- ▲ Manual mode allows for setting up to 2 x 12 fully parametric filters including frequency, bandwidth and gain
- ▲ Single-Shot, Auto and Manual modes are assignable for each filter
- ▲ Free FEEDBACK DESTROYER design software allows for total remote control via PC (download at [www.behringer.com](http://www.behringer.com))
- ▲ Two digital processing engines give you independent or coupled functions on left and right channels
- ▲ Servo-balanced inputs and outputs on gold plated XLR and 1/4" TRS connectors for high signal integrity
- ▲ Internal 24-bit processing with professional 46 kHz sampling rate
- ▲ Full MIDI capability and user preset memories to store programs for instant recall
- ▲ Accurate eight-segment LED level meters simplify level setting for optimum performance
- ▲ “Future-proof” software-upgradeable architecture
- ▲ High-quality components and exceptionally rugged construction ensure long life and durability
- ▲ Internal power supply design for professional application
- ▲ Manufactured under ISO9000 certified management system

## SPECIFICATIONS

### AUDIO INPUTS

|                         |   |
|-------------------------|---|
| Connectors              | XLR and 1/4" TRS  |
| Type                    | RF filtered, servo-balanced input                               |
| Impedance               | 60 kOhms balanced, 30 kOhms unbalanced                          |
| Nominal Operating Level | -10 dBV to +4dBu (switchable)                                   |
| Max. Input Level        | +16 dBu at +4 dB 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 Ohms balanced, 30 Ohms unbalanced                            |
| Max. Output Level | +16 dBu at +4 dB nominal level, +2 dBV at -10 dBV nominal level |

### SYSTEM SPECIFICATIONS

|           |                                       |
|-----------|---------------------------------------|
| Bandwidth | 20 Hz to 20 kHz, -3 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 |
| Sampling Rate | 46,875 kHz                                    |

### DISPLAY

|      |                               |
|------|-------------------------------|
| Type | 2 ½-digit numeric LED-Display |
|------|-------------------------------|

### 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 |
|                  | Power Consumption       | approx. 15 Watts max.                    |
| Fuse             | 100 - 120 V ~:          | <b>T 200 mA H</b>                        |
|                  | 200 - 240 V ~:          | <b>T 100 mA H</b>                        |
| Mains Connection | Standard IEC receptacle |  |

### PHYSICAL

|                        |   |
|------------------------|---|
| Dimensions (H x W x D) | approx. 1 3/4" (44.5 mm) x 19" (482.6 mm) x 7 1/2" (190.5 mm) |
| Net Weight             | approx. 2 kg  |
| Shipping Weight        | approx. 3 kg  |

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