

DFX69

TWEAKALIZER

Technical Specifications

Version 1.0 January 2004

ENGLISH



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TWEAKALIZER

High-End DJ Effects Processor with Real-Time Control

- ▲ Desktop DJ effects machine with 6 simultaneous functions and super-intuitive user interface
- ▲ Incredible real-time scratch function for any input signal
- ▲ Super-fast and accurate auto-BPM counter
- ▲ Virtually inaudible Pitch Transposer to correct track speed adjustments
- ▲ Breathtaking LFO-controlled effects section including delay and flanger
- ▲ Awesome filter effects with 3 filter types (low, high and band pass), 3 filter modes (auto, manual, LFO) and separate resonance control
- ▲ Groove- and BPM-related loop sampler with up to 16 seconds of memory
- ▲ Ultra-steep 3-band kill EQ (-40 dB) with separate cut buttons per band
- ▲ Switchable phono/line input with built-in high-precision phono preamplifier for connecting turntables and CD sources
- ▲ Flexible Signal/Effect balance and input gain control
- ▲ Ultimate sonic resolution with ultra high-resolution 24-bit A/D and D/A converters and high-performance 24/48-bit DSP
- ▲ Gold-plated RCA connectors for excellent audio quality
- ▲ Ultra-rugged construction ensures long life, even under most demanding conditions
- ▲ Designed in Germany. Manufactured under ISO9000 certified management system

SPECIFICATIONS

AUDIO INPUTS

Type Line, 0 dB gain, unbalanced
Impedance 47 k Ω @ 1 kHz
Max. input signal level 22 dBu

Type Phono, 40 dB, unbalanced
Impedance 47 k Ω @ 1 kHz
Max. input signal level -30 dBu

AUDIO OUTPUTS

Type Line, unbalanced
Impedance 100 Ω @ 1 kHz
Max. output signal level 12 dBu

SYSTEM SPECIFICATIONS

Frequency response 10 Hz to 22 kHz, +1/-3 dB
Signal-to-noise ratio 98 dBu, a-weighted,
22 Hz - 22 kHz (Line)
THD 0,007 % typ. @ +6 dBu, 1 kHz,
amplification 1 (Line)
Crosstalk < -83 dB, 22 Hz - 22 kHz
(Line)
Gain range -20 dBu to +10 dBu

DIGITAL PROCESSING

Converter 24-Bit Delta-Sigma,
64/128 times oversampling
Sampling rate 44.1 kHz

POWER SUPPLY

Voltage
USA/Canada 120 V~, 60 Hz
U.K./Australia 240 V~, 50 Hz
Europe 230 V~, 50 Hz
Japan 100 V~, 50 - 60 Hz
Power consumption see adapter labels!
Fuses external PSU

DIMENSIONS/WEIGHT

Dimensions approx. 3 1/5" (81 mm)
x 6 3/5" (169 mm)
x 12 1/5" (309 mm)
Weight approx. 1 kg (2 lbs. 2 oz.)

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