

Transient Designer 4 Model 9842



SPL TRANSIENT DESIGNER 4

A world's first from SPL

The Transient Designer with its revolutionary Differential Envelope Technology® (DET) offers a completely new technology for level-independent shaping of the dynamic response of a sound: For the first time it is possible to control the attack and sustain of a signal in a very simple way!

Unlike other dynamic devices, the processing is not governed by the signal level but rather by its dynamic characteristics, so all signals (loud and soft) are processed equally.

Dynamic design

The Transient Designer allows you to emphasize or smooth the attack and extend or shorten the sustain. For the first time it is possible to shape the dynamic path of a signal as you want, as if for example you were changing the microphone distance and position after the recording has been made.

Application examples

With no effort you can shorten or lengthen the attack of all kinds of percussive signals, such as the bass drum, snares, toms, congas etc. to give them more kick, or to flatten the signals. It's almost like being able to change the amount of drum damping after the recording. The same applies to virtually any other signal: Amplify or reduce the picking sound of an acoustic guitar, hold the sound of the strings longer, reduce the reverbtime of a choir, compress solo vocals, increase intelligibility, actuate the piano pedal "electronically", turn down the slapbass a notch or give it even more attack, etc.

Special features

Extremely efficient, intuitive to use: only two knobs (Attack and Sustain) to operate! Adaptive automated time-constant control optimizes the material at all settings. For stereo processing two channels can be linked.

Specifications

Transient Designer 4 (XLR in- and outputs)
Instrumentation amplifier, electronically balanced (differential), transformerless

Nominal input level	+6 dB
Input impedance	=22 kOhm
Output impedance	< 600 Ohm
Max. input level	+24 dBu
Max. output level	+22.4 dBu
Minimum load	600 Ohm
Frequency response (100kHz= -3dB)	20 Hz-100 kHz
Common mode rejection	> -80 dBu @1kHz
Total harmonic distortion	0.01% @ 1 kHz
Signal-to-noise ratio (CCIR 468-3)	-89 dBu
Signal-to-noise ratio (A-weighted)	-96 dBu
Toroidal transformer	15 VA
Fuses (230/115 V)	315 mA/630 mA
Standard EIA 19"/1U	482 x 44 x 237 mm
Weight	3.4 kg

Relay hard bypass / power fail safety
GND lift switch, voltage selection switch 115 V / 230V



Studio Sound (UK)

Commended Award
Reader Selection 1999
(Transient Designer 4)

Fritz Fey, Studio Magazin (D)

"The Transient Designer 4 has actually already earned entry into the 'Gold Book' of renowned studio equipment classics. The intelligent implementation of a simple idea with equally simple operation offers really enormous and to some extent wondrous design possibilities."

Kevin Becka, Audio Media Europe

"The Transient Designer exceeded every one of my expectations ... Hats off to SPL designer Ruben Tilgner for inventing a truly innovative dynamics processor."

Dave Foister, Studio Sound (UK)

"Try one and you will want two."



(Transient Designer 2)

