



SPL STEREO VITALIZER® MK2-T

The Stereo Vitalizer® MK2-T is an excellent and versatile tube program EQ for shaping input signals and optimizing mixes based on hearing-correct considerations and established psychoacoustic principles.

Classic tube sound

One of the ECC 83 tubes is dedicated only to the audible mid-hi sound range, with another tube integrated into the Stereo Expander. This means the combined signal (left and right channel) is processed while at the same time expanding the stereo image beyond the loudspeaker soundstage. This also results in a more sonorous harmonic spectrum. Exceedingly noise- and distortion-free coil filters in the HF end complement the tubes ideally and provide for brilliant, silky sounds.

The SPL Vitalizer technology

The reference technique for audio sound optimising “un-covers” sounds by means of a slight time shift of the signals as a function of their loudness. Soft sound components that were masked by louder ones are thus emphasized – the smallest details become clearly audible and create a life-like atmosphere, since this differentiated reproduction produces a more natural-sounding result.

Furthermore, the entire sound is ideally adjusted for our hearing capabilities. The sound material is perceived as being more transparent and the sense of loudness is increased while avoiding listener fatigue.

Note: The Stereo Vitalizer MK2-T is not an “Exciter”! In processing the sound all the information is taken from the original signal. No distortions are generated as is the case with generator-type exciters. This means the resulting drawback of these devices, namely the tendency towards sharpness and with it listener fatigue, has been eliminated from the Stereo Vitalizer MK2-T.

The Stereo Vitalizer MK2-T is equipped with balanced XLR and unbalanced jack connectors.

Applications

- Recording: Console EQ enhancing, subgroup insert
- Mixing: Fine polishing the final mix
- Mastering: Remaking or preparing (especially archival recordings)
- Digital signal processing: Lifelike analog sound with less “digital edge”
- Sound reinforcement: Clearly greater volume perception, allowing less of a load on the final stage and significantly greater sound volume at the same volume level.
- Copying tapes: Perfect compensation of high- and bass-losses

Specifications

Inputs and outputs

Instrumentation amplifier, electronically balanced (differential), transformerless

Nominal input level	+6 dB
Input impedance	=22 kOhm
Output impedance	< 600 Ohm
Max. input level	+20 dBu
Max. output level	+20 dBu
Minimum load	600 Ohm
Relay hard bypass / power fail safety	

Measured data

Frequency response (100kHz= -3dB)	20 Hz-100 kHz
EQ frequency response	20 Hz-22 kHz
Common mode rejection (CCMR)	> 80 dBu @ 1kHz
Total harmonic distortion	0.0185% @ 1 kHz
Signal-to-noise ratio (CCIR 468)	-85 dBu
Signal-to-noise ratio (A-weighted)	-89 dBu

Power supply

Toroidal transformer	15 VA
Fuses (230/115 V)	315 mA (230 V/50 Hz) 630 mA (115 V / 60 Hz)

Dimensions

Standard EIA 19"/1U	482 x 44 x 237 mm
Weight	3.4 kg
GND lift switch, voltage selection switch 115 V / 230 V	

Note: 0 dBu = 0.775 V

Jörg Küster, Keyboards (D)

“Like its already established Vitalizer siblings, the new MK2-T also possesses a certain seductive factor: Once you have gotten used to the unit, it’s very hard to do without it.”

Rob Nikowitsch, Solo

“SPL has enhanced its legendary ‘Vitalizer’ with the sound of modern tube technology. The result is an extremely professional unit that has a sound variety and power that is truly astonishing. The MK2-T is an outstanding investment particularly in a digital environment. It softens the hard, digital highs and gives recordings more freshness and beauty. The MK2-T is totally impressive both for mastering as well as recording. But most of all: Working with the MK2-T is just plain fun.”

