

Stereo Vitalizer® Jack Model 9736



SPL STEREO VITALIZER® JACK

The Stereo Vitalizer® Jack represents the entry version of the Vitalizer Program EQ line from SPL. It is used primarily to shape the sound of individual instruments and optimise mixes utilizing established psychoacoustic principles of human hearing. Its outstanding sound characteristic and extremely efficient method of operation makes it an indispensable tool in the fields of recording, mixing, mastering, digital signal processing and sound amplification, where it is the reference for sound optimising.

The SPL Vitalizer technology

The Vitalizer “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 the 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 Jack 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 Jack.

The Stereo Vitalizer Jack is equipped with unbalanced jack connectors.

The SPL Vitalizer in practice

Voluminous bass sounds you can feel not only make the DJ’s life better – the Stereo Vitalizer Jack also allows dance/techno sound amplification to produce enormous volume without compromising the final audio quality. In mixing you can clearly position different bass sounds with ease. Excessively hard or sharp sounds in the mid-range are easy to manage. Intelligibility and accurate detail are significantly increased and the improved presence brings voices to the fore. The brilliant, silky highs round out the overall sound perfectly.

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 hi- and bass-losses

Specifications

Inputs and outputs

Instrumentation amplifier, unbalanced, transformerless

Nominal input level	0 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 range (100kHz= -3dB)	20 Hz-100 kHz
EQ frequency response	20 Hz-20 kHz
Common mode rejection	> 80 dBu @1kHz
EQ frequency response	20 Hz-22 kHz
Signal-to-noise ratio (CCIR 468)	-85 dBu
Signal-to-noise ratio (A-weighted)	-99 dBu

Power supply

Toroidal transformer	3 VA
Fuses (230/115 V)	120 mA (230 V/50 Hz) 250 mA (115 V / 60 Hz)
Voltage selection switch 115 V / 230 V, GND lift switch	

Dimensions

Standard EIA 19”/1U	482 x 44 x 158 mm
Weight	2 kg

Note: 0 dBu = 0.775 V

Derek Johnson

Sound On Sound (GB)

“All right Jack! The Vitalizer Jack really works – indeed, its effect on the bass end of a track is indescribable. I ran dancy drum box and synth mixes through it and got a kick to the lower frequencies that was impossible to achieve with EQ alone. Even some basic acoustic guitar and voice demos were lifted with a pleasing soft bass effect. ‘Detail’ and ‘clarity’ are much over-used words in mixing circles, but the Vitalizer Jack really does provide them in spades.”

Brian Knave,

Electronic Musician (US)

“For the money, I don’t know of a better spectrum-enhancing, home-mastering processor on the market. The Stereo Vitalizer Jack not only sounds great, it’s also a cinch to operate.”

