



### SPL CLASSIC VITALIZER®

The Classic Vitalizer® is based on the first model in SPL's revolutionary Program Equaliser series, the SX2 that was introduced in 1988. The essential feature of this equaliser concept is its intuitive layout and adherence to human hearing principles. The separate 2-channel Classic Vitalizer allows you to modify the sound with a high degree of musicality and efficiency.

#### Application

The primary applications of the Classic Vitalizer are processing complete stereo mixes or remastering old recordings or film- & video post production, though it may also be used to enhance individual tracks or subgroups complementing or replacing the onboard EQ.

The Process Solo-function allows the Vitalizer to operate via the aux send/return-bus, something few if any other equalizer or enhancer type products can offer. In combination with a single-ended noise reduction unit, the Classic Vitalizer becomes the ultimate post production system to sweeten old masters.

#### Operation

The control panel is divided into two separately controllable, identical channels for processing the left and right channel of the stereo signal. This separation can be important for example when spatially induced differences for each channel need to be taken into consideration. The Surround Processor (used to increase the perceived sense of loudness of a mix while simultaneously enhancing the feeling of space) always works on both channels and is functionally independent of all other effects. Naturally you can also process two completely different mono signals (e.g. through the inserts on the mixing console).

Four mutually independent sound affecting controls per channel are available, providing access to the entire spectrum of the source material. The Classic Vitalizer offers far-ranging sound shaping possibilities without having to deal with changes in frequencies, amplitudes or bandwidths.

#### 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 perceived loudness 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	+24 dBu
Minimum load	600 Ohm
Relay hard bypass / power fail safety	

##### Measured data

Frequency response (100 kHz = -3 dB)	20 Hz-50 kHz
EQ frequency response	20 Hz-22 kHz
Common mode rejection	> -87 dBu @ 1kHz
Total harmonic distortion	0.002% @ 1 kHz
Signal-to-noise ratio (CCIR 468-2)	-87 dBu

##### Power supply

Toroidal transformer	15 VA
Fuses (230/115 V)	200 mA (230 V/50 Hz) 400 mA (115 V / 60 Hz)
Voltage selection switch 115 V / 230 V, GND lift switch	

##### Dimensions

Standard EIA 19"/1U	482 x 44 x 237 mm
Weight	3.4 kg

Note: 0 dBu = 0.775 V

#### Ralf Kleinermanns, Keyboards (D)

"The Vitalizer is a tool for sound processing that really deserves the name. With its highly intelligent control response it allows sound effects that are simply not possible with a conventional equalizer of this type. Anyone having professional requirements for the sound of his productions or live presentations should definitely check out the Vitalizer – but be forewarned: once you've tried it you will have trouble giving it up."

#### Sebastian Neuhaus, Keys (D)

"It's amazing how finished master tapes sound when they've been copied to another DAT through the Vitalizer. After listening to copies like this you are seriously inclined to ask yourself how you ever got along without this astonishing piece of equipment."

