

PSD 4000



SPL's PERSONAL SOUND DESIGNER PSD 4000 offers high-end tube circuits and latest professional audio technologies for individual sound design in HiFi and home theatre applications. These applications are essentially characterized by individual parameters – combination of AV equipment, room acoustic, personal sound preferences and the quality of audio sources. The PSD 4000 is the all new tool to design the sound you love.

The PSD 4000 "dis-covers" previously masked audio elements by shifting the timing of perception differently in accordance to their loudness. The result is a substantial improvement of detail and depth creating a vivid sound atmosphere and amazing naturalness of the audio. Previously lost details are recovered and the perceived loudness is increased.

What you like is what you get

While preserving amplifiers, especially Pop/Rock material gains enormous loudness. Too harsh sounds in the mid-hi range are smoothened without negative side-effects. Intelligibility and detail are improved remarkably, while the enhanced presence let vocals come ready-to-hand. A brilliant and silky top end rounds off the processing.

Due to its excellent tonal quality and disarmingly ease of use, the PSD 4000 defines the reference in sound optimizing.

Applications

The PSD 4000 will bring more hearing pleasure to almost any HiFi or home theatre situation:

- Room-filling sounds from smallest speakers
- Big movie cinema sound in your home theatre
- More powerful sounds from your TV set
- More natural sounds from digital sources
- "Reanimation" of compressed audio (MD)
- Room acoustic adjustment
- CD or DAT storage of vinyl recordings with your personal sound design

- Optimized recordings for special environments (e. g. car)
- Overwhelming sound enhancement for computer games or multimedia applications

Features

- High-end tube circuits for highest possible fidelity
- Drive Control to set the input level between -20 dB and +6 dB
- Bass Compressor smoothenes unsteady levels
- Stereo Expander to control the stereo width
- GND-Lift switch to eliminate hum problems
- Hard Bypass Relay / Power Fail Safety

Specifications

Instrumentation amplifier, electronically balanced (differential), transformerless

Nominal input level	+6 dB
Input impedance	= 22 kOhms
Output impedance	< 600 Ohms
Max. input level	+20 dBu
Max. output level	+20 dBu
Minimum load ohms	600 Ohms
Frequency response	20 Hz - 100 kHz
EQ frequency range	20 Hz - 22 kHz
CCMR	- 80 dBu @ 1 kHz
THD & N	0,0185 % @ 1 kHz
S/N (A-weighted)	- 99 dBu
Toroidal transformer	15 VA
Fuse	315 mA (slow blow)
Housing	440 x 75 x 235 mm
Weight	3,4 kg
Hard bypass relay/power fail safety, GND-lift switch, voltage selector	

Note: 0 dBu = 0.775 V. Subject to change without notice.

HiFi Stereo

The PSD 4000 should either be connected to the amplifier's TAPE IN/OUT insert or directly between audio source (CD player) and preamplifier.

Dolby® ProLogic®

To use the PSD 4000 in Dolby® ProLogic® environments, simply connect it as described above.

Stereo units like the PSD 4000 are ideally suited to process the complete ProLogic® information.

Dolby Digital® (AC3) & DTS®

To process certain channels of discrete multichannel formats, use the respective insert points of the receiver. We recommend to process the left and right front channels.