



DSS1616S

The Pulz DSS1616S is a 16 Input, 16 Output Digital Audio Processor designed to deliver high quality DSP processing with superb audio quality and adequate control options for professional sound reinforcement installations, nightclubs, large venue, conferencing and more. 2 X 24 back-lit LCD display helps navigate options through its extensive feature set and is also easy to see in dimly lit venues. The DSS1616S will store up to 30 total presets. A preset file captures all current settings and stores complete control data for all channels and all audio functions.

Additionally it features Acoustic feedback control, Acoustic noise control, Acoustic echo control per channel.

Presets can be triggered by the DSS6 remote control

FEATURES

- Analog 16 in 16 out
- Acoustic feedback control, Acoustic noise control, Acoustic echo control per channel
- Compressor, AGC & Limiter per channel
- Phantom power per channel
- 24 bit A/D and D/A converter; 48kHz sampling rate
- 15 PEQ per input and 10 PEQ per output
- GPIO Extensible Function; USB, RS232/RS485 connector for center control
- Automatic Mixer & Matrix Mixer per input channel
- Automation
- USB output / input with 2 channel configurable and the unit can function as a sound card.

S P E C I F I C A T I O N S

Input Impedance:	11.5K Ω Balanced
Output Impedance:	150 Ω Balanced
PC Port	1 USB (front panel), RS485, RS232, RJ45 GPIO
CMRR	>55dBu at 1kHz

Functions of Input channels :

Phantom Power	48V per channel
Input Delay	adjustable range 0-2000ms per channel
Input EQ	15 EQ's selectable to PEQ or Shelving
Noise Gate -	Threshold: -90dBu to 0dBu
	Attack: 1ms to 2800ms
	Release: 1ms to 2800ms
AGC –	Ratio: 1 to 100
	Attack: 1ms to 2800ms
	Release: 1ms to 2800ms

Functions of output channels:

Output Delay	adjustable range of 0-1000ms per channel
Crossover	LPF or HPF. Filter type: Linkwitz-Riley, Bessel, Butterworth per channel
Crossover Frequency	20Hz ~ 20kHz, Slope: 6dB/oct – 48dB/oct per channel
Compression -	Threshold: -90dB to 21dB
	Attack : 1ms to 2800ms
	Release : 1ms to 2800ms
Limiter -	Threshold: -90dB to 21dB
	Attack: 1ms to 2800ms
	Release: 1ms to 2800ms
Output EQ:	10 EQ's selectable to PEQ or Shelving or All pass filter.
Matrix Mixing	10X10
Processor	48kHz sampling frequency, 32-bit floating-point DSP.
Display	2 x 24 LCD
USB port	as sound card
Dimensions	H 44mm (1.8") X W 482mm (19") X D 228mm (9")
Gross weight	3.8 kg (8 lb)

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