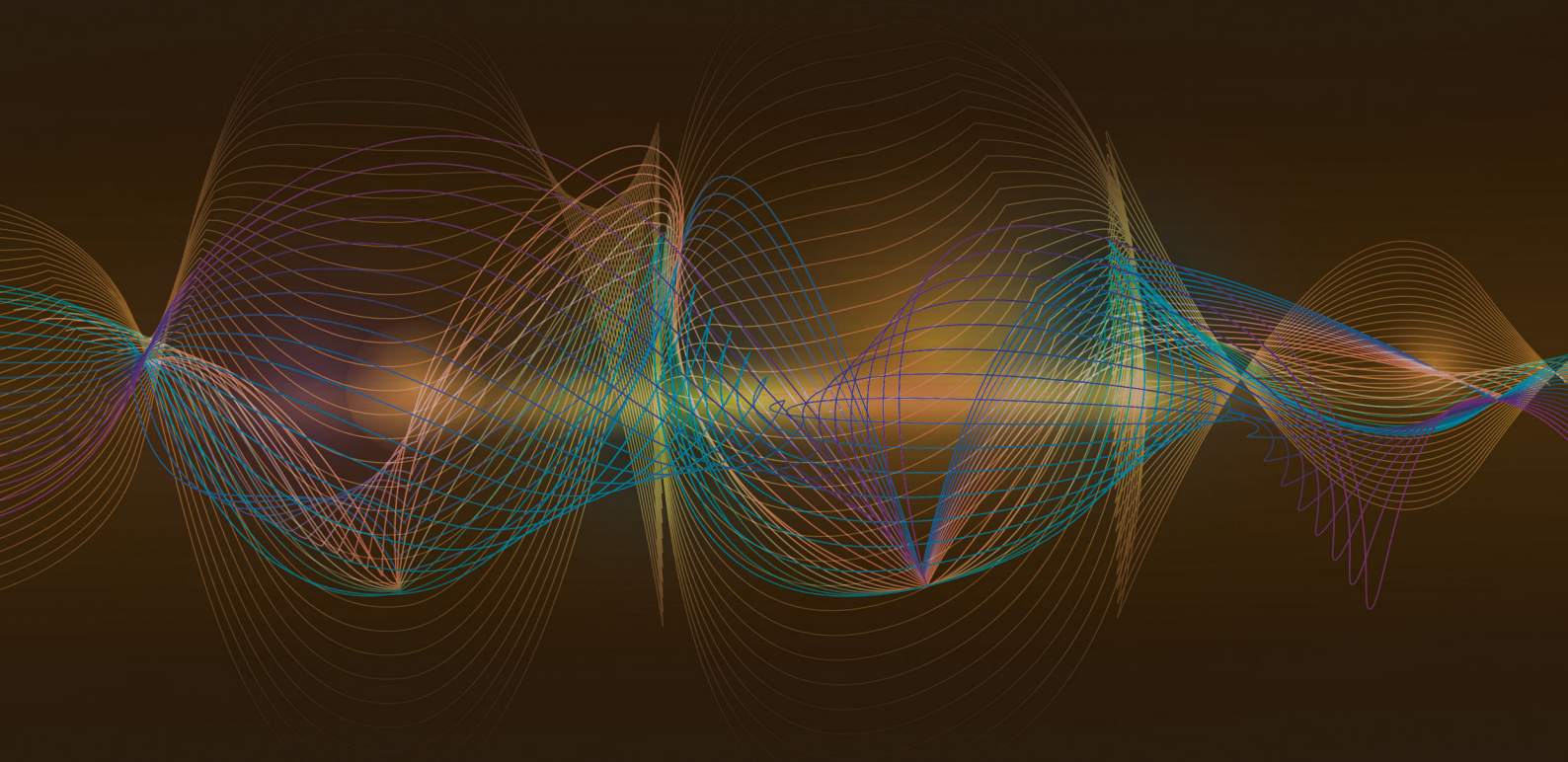
HOMEAUDIO

pulz®



SIGNAL PROCESSING

DSS88

FEATURES

- 8 analog inputs and 8 analog outputs, microphone or line
- 48V switch per input channel
- 24 bit A/D and D/A convertor
- 48kHz sampling rate
- 8th order filters for crossover
- GPIO Extensible Function
- Feedback suppressor in per input channel
- Automatic Mixer & Matrix Mixer
- 31 PEQ per input and 10 PEQ per output
- USB, RS232/RS485 connector for centre control

The Pulz DSS88 8-In, 8-Out Digital Speaker Processor is designed to deliver high quality DSP processing and superb audio quality and adequete control options for professional sound reinforcement for fixed and touring installations, nightclubs, large venue sound systems and more.

The DSS88 features 24-Bit A/D converters 96kHz sampling rate and an array of DSP functions that include cross-over, delay features, compression, limiting, feedback control features and much more.

An intuitive 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 DSS88 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.

SPECIFICATIONS:

Input Impedance	Balanced: 11.5KΩ
Output Impedance	Balanced: 150Ω
PC Port	1 USB (front panel), RS485, RS232, RJ45, GPIO (phoenix connector on back panel)
CMRR	>55dBu at 1kHz
Input Range	≤+14dBu
Input Signal	Line/Mic/Internal test signal generator
Phantom Power	48V per channel
Frequency Response	20Hz-20kHz(+/-0.5dB) Line, 20Hz-20kHz(+/-1.5dB) Mic
S/N Ratio	>105dB Line, >95dB Mic
THD	<0.01% Output=0dBu/1kHz.
Crosstalk of Channels	>83dB(1kHz).

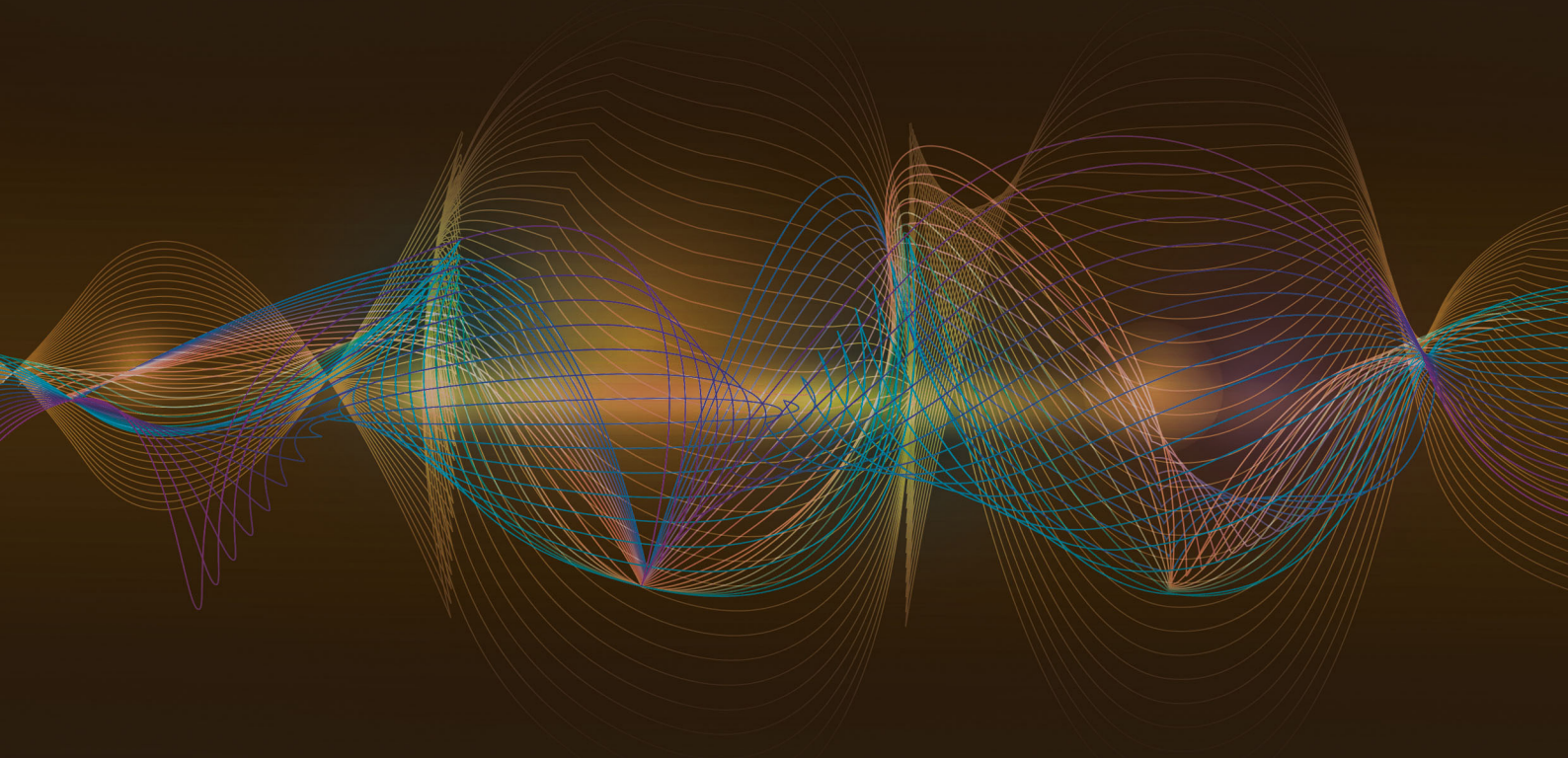
Functions of Input Channels

Input Mute	Mute/Unmute selection for each input channel
Input Delay	Each input channel has a separate delay control, adjustable range of 0-20ms in increments of 0.10ms
Input Polarity	In-phase(+) or Reversed phase(-).
Input EQ	Each input channel has 31 EQ's selectable to PEQ or Shelving or All pass filter
Input Gain	-60dB ~ +15dB, step@0.1db.
Noise Gate	Threshold: -120dBu ~ -60dBu, in 0.1dB steps; Attack: 1 ~ 2895ms, Release: 1 ~ 2895ms in 0.1ms step

Functions of output channels

Output Mute	Mute/Unmute selection for each output channel
Output Selection	Each input channel can be routed to any output channel.
Output Gain	-60dB ~ +15dB, step@0.1db
Output Delay	Each output channel has a separate delay control, adjustable range of 0-60ms in increments of 0.10ms
Output Polarity	In-phase(+) or Reversed phase(-)
Crossover	Each output channel can be independently set as LPF or HPF. Filter type: Linkwitz-Riley, Bessel, Butterworth.
Crossover Frequency	20Hz ~ 20kHz, Slope: 12dB/oct – 48dB/oct in increments of 6dB/oct
Compression	Compressor present for each output channel. Adjustable parameters: Threshold value: -90dB ~ +21dB; step:0.1dB.
Attack time	1ms ~ 2895ms, step: 0.1ms. Release time: 1ms ~ 2895ms, step: 0.1ms, Ratio: 1~100, step: 0.1
Limiter	Limiter present for each output channel. Adjustable parameters: Threshold value: -90dB ~ +21dB; step:0.1dB.
Release time	1ms ~ 2895ms
Output EQ	Each output channel has 10 EQ's selectable to PEQ or Shelving or All pass filter
Processor	48kHz sampling frequency, 32-bit floating-point DSP.
Display	2 x 24 LCD
Power	≤25W
Power Supply	AC 110V-220V 50/60Hz
Dimensions (H X W X D)	44 mm X 482 mm X 228 mm (1.7″ X 19″ X 9″)
Net weight	2.8 kg (6 lb)
Gross weight	3.8 kg (8 lb)

sound matters



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