



DX2000Sfx

DX-Series Built-in Amplifiers for PA Speaker Systems



- D class power amplifier
- Switching power supply
- Power factor corrector (optional)
- Forced cooling system
- Detachable power cord
- Analog input section, acting as high pass filter, EQ, limiting and speaker overload protection
- Line inputs – 2 x RCA
- Microphone input – Combo XLR-1/4"JACK
- Output for passive loudspeaker – SPEAKON
- Line input level control
- Line input two-way EQ
- Microphone gain control
- Microphone input level control
- Microphone input three-way EQ
- Effect processor (5 effects)
- Effect level control
- Overload and short-circuit protection
- DC output protection
- Thermal protection
- High frequency protection
- Soft signal start

BUILT-IN AMPLIFIER

Application:

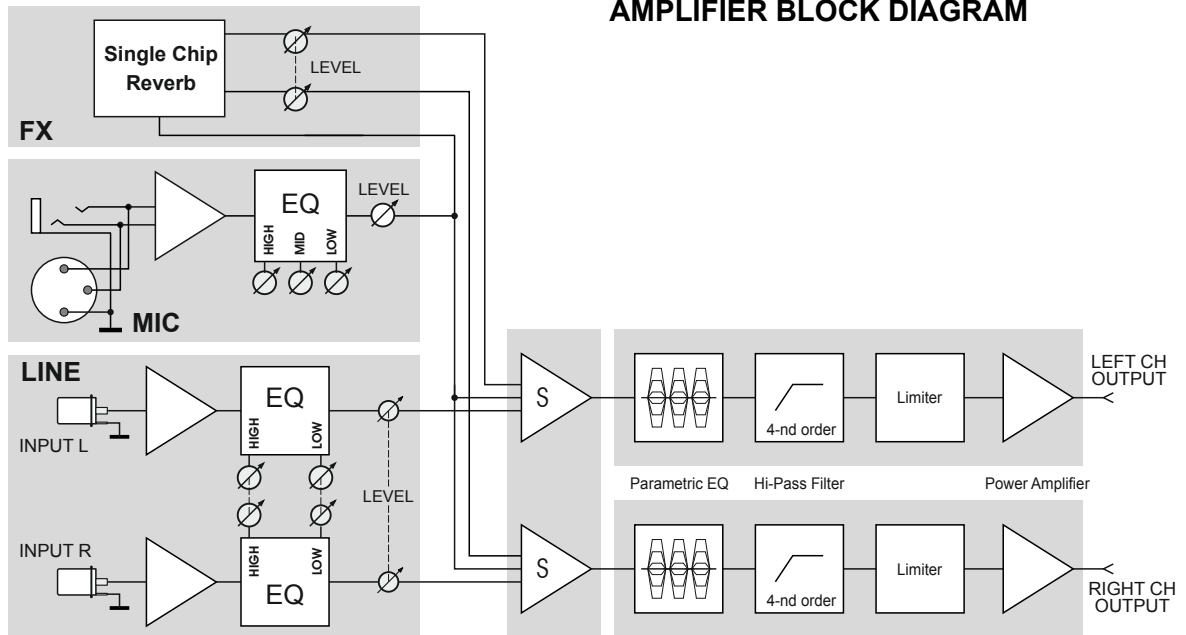
Built-in amplifier for use in stereo sets, composed of active loudspeaker with 2-channels amplifier and passive loudspeakers.

Power Rating	2 x 1000/500 W (4/8 Ohms)
Frequency Range *	45 Hz – 20 kHz
Total Harmonic Distortions	<0.05%
Slew Rate	20 V/μs
Damping Factor	200 (200 Hz, 8 Ohms)
Signal-to-Noise Ratio:	
– line input	98 dB (unweighted)
– mic input	94 dB (unweighted)
Sensitivity *:	
– line input	250 mV (-10 dBu)
– mic input	3 - 200 mV
Line Input EQ Section:	
– LOW	±15 dB
– HIGH	±15 dB
Mic Input EQ Section:	
– LOW, HIGH	±15 dB
– MID	±12 dB
High Pass Filter Cutoff Frequency *	45 Hz
Power Requirements	~160-280 V, 50/60 Hz
Weight	4.3 kg
Dimensions	198 mm x 408 mm x 104 mm

Notes.

* Basic model.

AMPLIFIER BLOCK DIAGRAM



MECHANICAL DRAWING

