



DX700Sfx

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.

Versions of amplifiers:

*for 4 Ohms speaker impedance – DX700Sfx-4
for 8 Ohms speaker impedance – DX700Sfx-8*

Power Rating *:

– DX700Sfx-4 DSP **2 x 350/210 W** (4/8 Ohms)
– DX700Sfx-8 DSP **2 x 350 W** (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

~230 V, 50/60 Hz

Weight:

– DX700Sfx **3.8 kg**
– DX700Sfx PFC **4.1 kg**

Dimensions

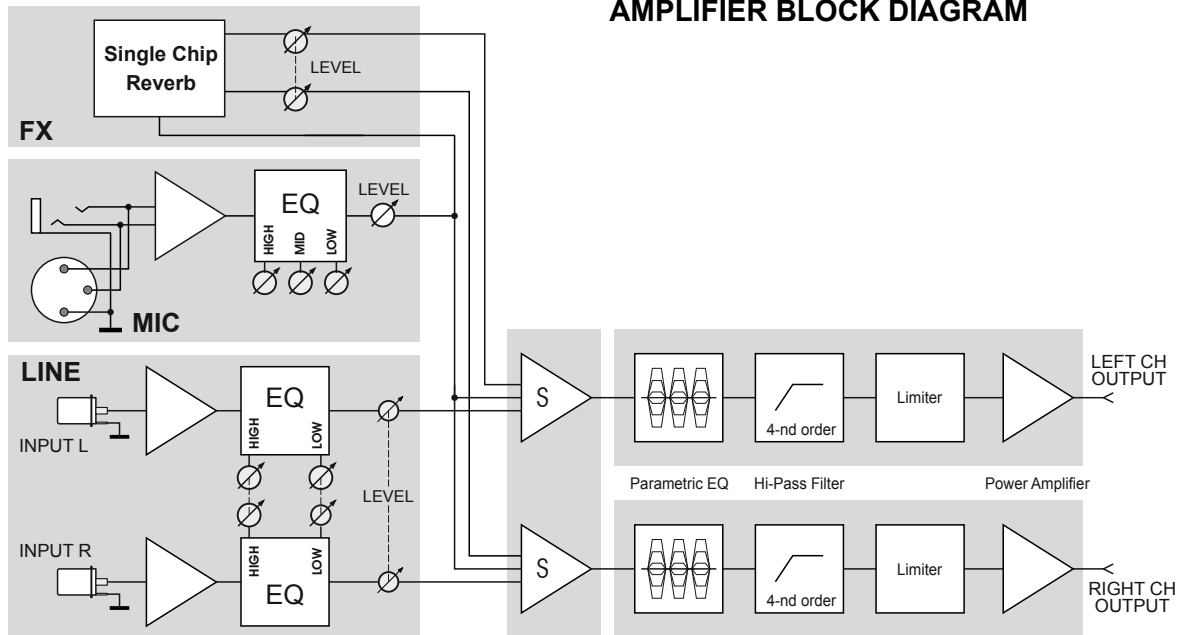
198 mm x 408 mm x 104 mm

Notes.

* For mains voltage:
– ~230 V for amps without PFC;
– ~160-280 V for amps with PFC.

** Basic model.

AMPLIFIER BLOCK DIAGRAM



MECHANICAL DRAWING

