



DX700B DSP

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 crossover, EQ, limiting and speaker overload
- Line inputs – 2 x XLR
- Line outputs (parallel to line inputs) – 2 x XLR
- High pass filter
- Polarity switch (Norm/Rev)
- Input level control
- Cutoff frequency control (LPF)
- Overload and short-circuit protection
- DC output protection
- Thermal protection

BUILT-IN AMPLIFIER

Application:

Built-in amplifier for use in low-frequency loudspeakers (subwoofers).

Versions of amplifiers:

*for 4 Ohms speaker impedance – DX700B-4 DSP
for 8 Ohms speaker impedance – DX700B-8 DSP*

Power Rating:

– DX700B-4 DSP **700/380 W** (4/8 Ohms)
– DX700B-8 DSP **700 W** (8 Ohms)

Frequency Range * **35 Hz – 90/110/130 Hz**

Total Harmonic Distortions **<0.05 %**

Slew Rate **20 V/μs**

Damping Factor **200** (200 Hz, 8 Ohms)

Signal-to-Noise Ratio **98 dB** (unweighted)

Sensitivity ** **775 mV**

Power Requirements **~ 230 V, 50/60 Hz**

Weight:

– DX700B DSP **3.8 kg**
– DX700B DSP PFC **4.1 kg**

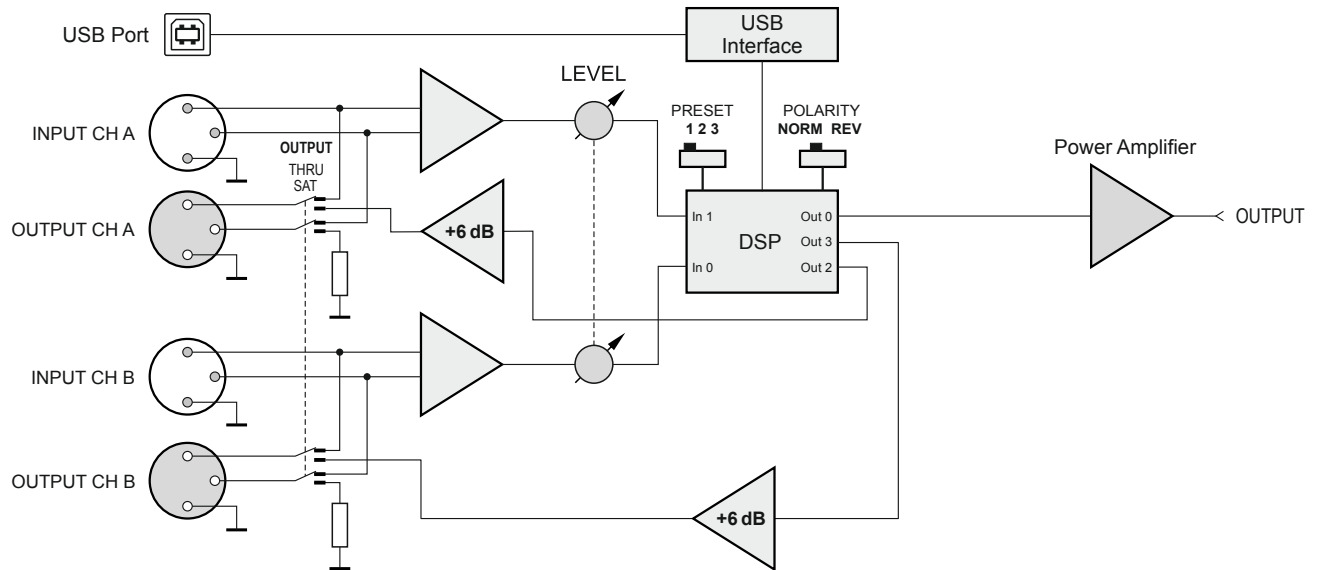
Dimensions **198 mm x 408 mm x 104 mm**

Note.

* Frequency range is defined by DSP settings.

** Basic setting, which can be changed by DSP engine.

AMPLIFIER BLOCK DIAGRAM



MECHANICAL DRAWING

