



DX700S 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
- Input section with DSP
- USB port for DSP setting
- 3-position preset switch
- Line inputs – 2 x XLR
- Line outputs – 2 x XLR
- Output for passive loudspeaker – SPEAKON
- Line output switch: THRU/SAT (THRU – parallel connection to input, SAT – send processed signal to line output)
- Input level control
- Overload and short-circuit protection
- DC output protection
- Thermal protection
- High frequency protection

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 – DX700S-4 DSP
for 8 Ohms speaker impedance – DX700S-8 DSP*

Power Rating *:

– DX700S-4 DSP **2 x 350/210 W** (4/8 Ohms)
– DX700S-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

98 dB (unweighted)

Sensitivity **

775 mV

Power Requirements

~230 V, 50/60 Hz

Weight:

– DX700S DSP **3.8 kg**
– DX700S DSP PFC **4.1 kg**

Dimensions

198 mm x 408 mm x 104 mm

Notes.

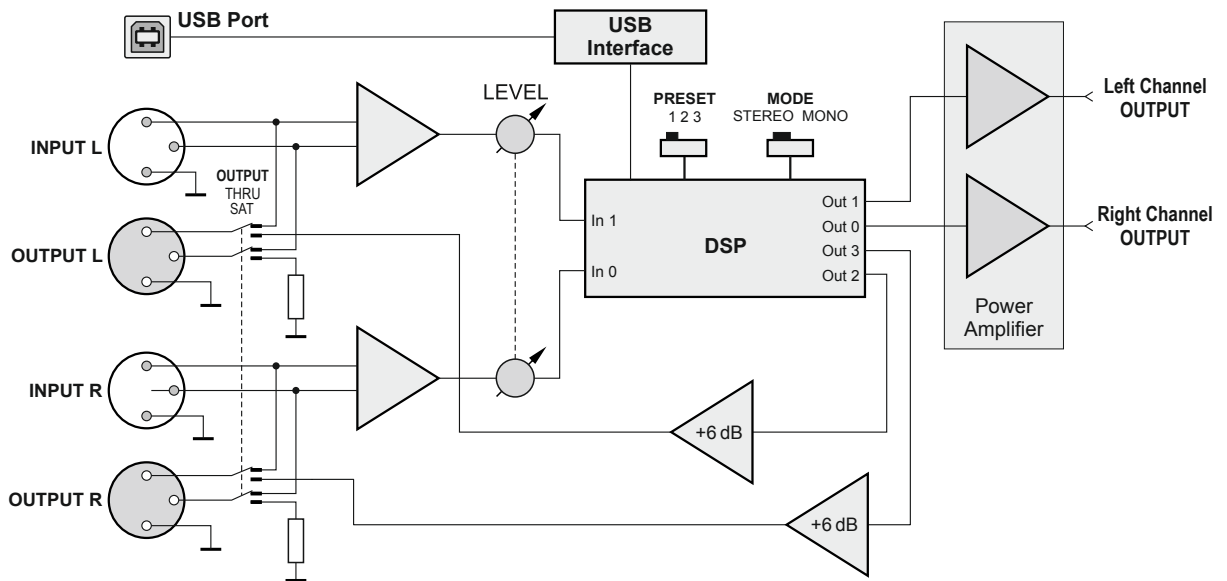
* For mains voltage:

– ~230 V for amps without PFC;
– ~160-280 V for amps with PFC.

** Determined by the DSP settings.

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

AMPLIFIER BLOCK DIAGRAM



MECHANICAL DRAWING

