



DX2100T 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
- Built-in DSP engine
- USB port for DSP setting
- Two preset settings switches
- LEFT and RIGHT line inputs – 2 x XLR
- LEFT and RIGHT line output (parallel to line inputs) – 2 x XLR
- Satellite channel outputs – SPEAKON
- Input level control
- Subwoofer level control
- Overload and short circuit protection
- DC speaker protection
- High frequency speaker protection
- Thermal protection

BUILT-IN AMPLIFIER

Application:

*Built-in amplifier for
subwoofer + 2 satellites configuration.*

Power Rating *:

– DX2100T-4 DSP:

- subwoofer channel **1400/800W** (4/8 Ohms)
- satellite channels **2 x 350/210W** (4/8 Ohms)

– DX2100T-8 DSP:

- subwoofer channel **1400 W** (8 Ohms)
- satellite channels **2 x 350 W** (8 Ohms)

Frequency range **:

- subwoofer channel **45–140 Hz**
- satellite channels **140 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:

- DX2100T DSP **4.7 kg**
- DX2100T DSP PFC **5 kg**

Dimensions

198mm x 474 mm x 104 mm

Note.

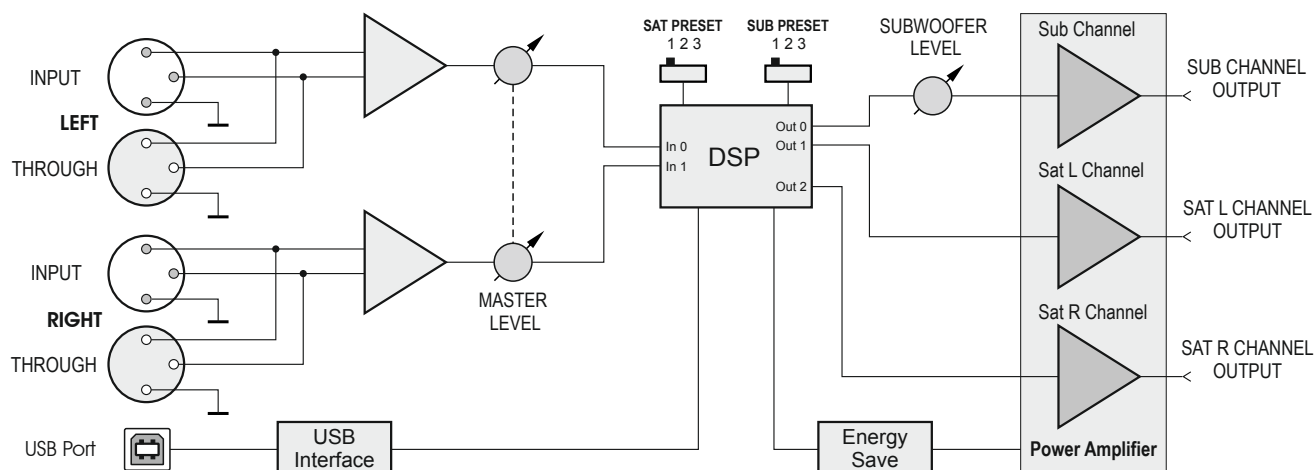
* For mains voltage:

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

** Frequency range for LF and HF channels is determined by the DSP settings

*** In the operating frequency range of the corresponding channel.

AMPLIFIER BLOCK DIAGRAM



MECHANICAL DRAWING

