



DX1800M

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, crossover, EQ, limiting and speaker overload protection
- Line input – XLR
- Line output (parallel to line input) – XLR
- Output for passive subwoofer – SPEAKON
- Input level control
- Subwoofer 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 subwoofer + satellite configuration

(for installation in a satellite).

Versions of amplifiers:

for 4 Ohms speaker impedance – DX1800M-4

for 8 Ohms speaker impedance – DX1800M-8

Power Rating*:

- DX1800M-4:
 - subwoofer channel **1400/800 W** (4/8 Ohms)
 - satellite channel **350/200 W** (4/8 Ohms)

- DX1800M-8:
 - subwoofer channel **1400 W** (8 Ohms)
 - satellite channel **350 W** (8 Ohms)

Frequency Range**:

- subwoofer channel **45 – 125 Hz**
- satellite channel **125 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

HPF Cutoff Frequency ** 45 Hz

Crossover Frequency ** 125 Hz

Power Requirements ~230 V, 50/60 Hz

Weight:

- DX1800M **4.5 kg**
- DX1800M PFC **4.8 kg**

Dimensions 198 mm x 438 mm x 104 mm

Notes.

*For mains voltage:

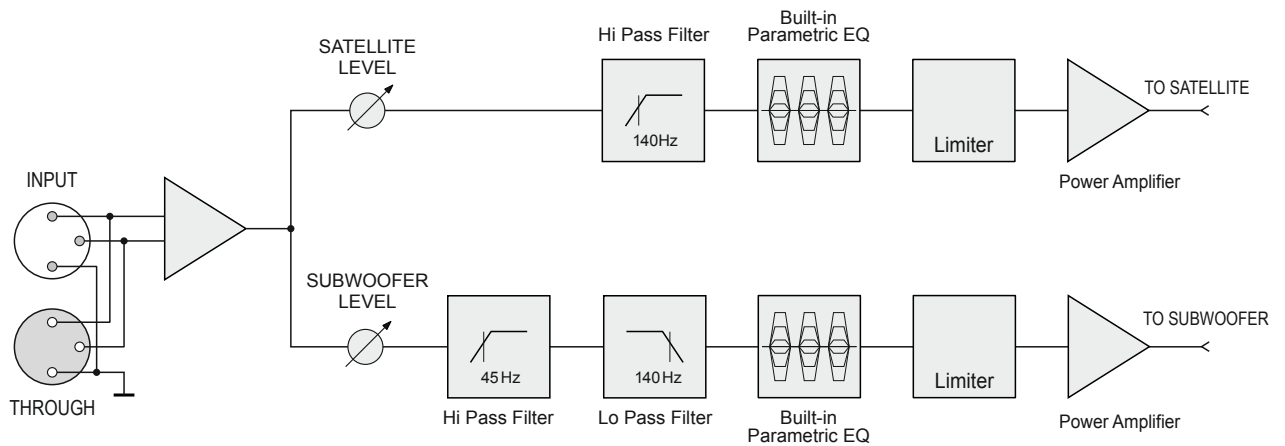
– ~230 V for amps without PFC;

– ~160-280 V for amps with PFC.

** Basic model.

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

AMPLIFIER BLOCK DIAGRAM



MECHANICAL DRAWING

