



BUILT-IN AMPLIFIER

DX1400T

DX-Series Built-in Amplifiers for PA Speaker Systems

Application:
Built-in amplifier for
subwoofer + 2 satellites configuration.



- D class power amplifier
- Switching power supply
- Power factor corrector (optional)
- Forced cooling system
- Detachable power cord
- MONO-STEREO mode
- MONITOR mode
(one of the satellite channels is used as a monitor amplifier)
- STEREO-MONO-MONITOR mode switch
- LEFT and RIGHT line inputs – 2 x XLR
- LEFT and RIGHT line output – 2 x XLR
(parallel to line inputs)
- Satellite channel outputs – SPEAKON
- Subwoofer and satellites level controls
- Level controls and LEDs are located on the top panel,
connectors are located on the rear panel
- Analog input section, acting as crossover, EQ, limiting and
speaker overload protection
- Overload and short circuit protection
- DC speaker protection
- High frequency speaker protection
- Thermal protection

Power Rating *:

- subwoofer channel **700/380W** (4/8 Ohms)
- satellite channels (A, B) **350 W** (8 Ohms)

Frequency range **::

- subwoofer channel **45 – 140 Hz**
- satellite channels (A, B) **140 Hz – 20 kHz**
- channel B (MON. mode) **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 ****

High Pass Filter Cutoff Frequency **::

- subwoofer channel **45 Hz, 12 dB/octave**
- satellite channels (A, B) **130 Hz, 24 dB/octave**
- channel B (MON. mode) **45 Hz, 12 dB/octave**

Subwoofer Ch. Crossover

Low-Pass filter frequency ** **130 Hz, 24 dB/octave**

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

Weight:

- DX1400T **4.5 kg**
- DX1400T PFC **4.8 kg**

Dimensions

198 x 409 x 128 mm

Note.

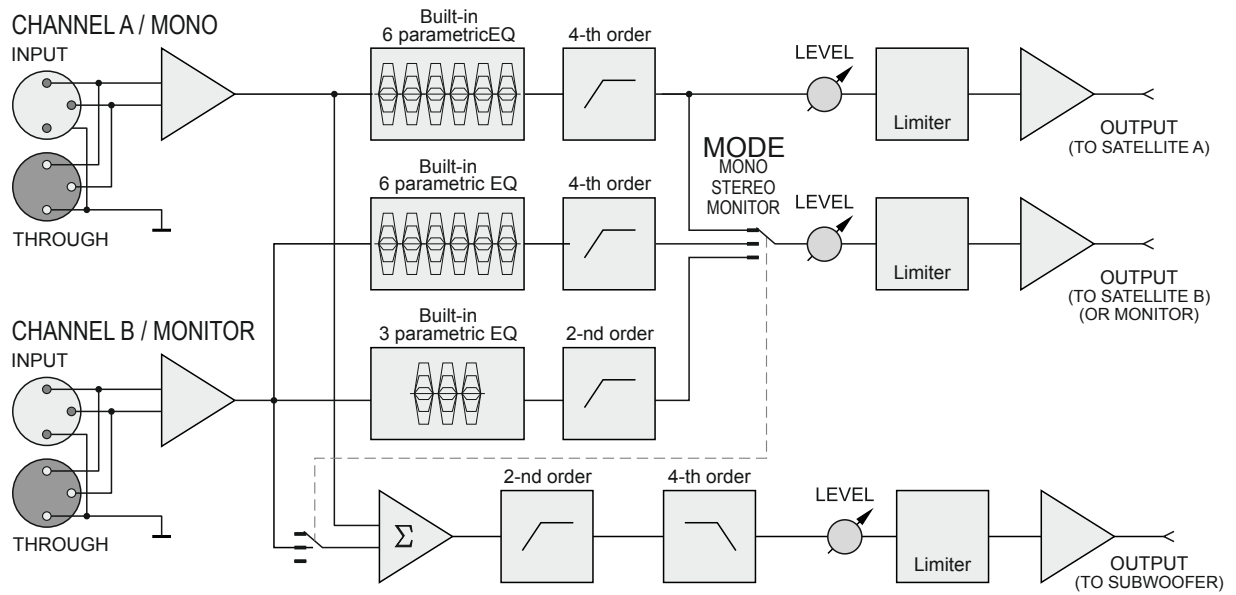
* For mains voltage:

- ~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

