



The XT series is a new generation of amplifiers offering high voltage output for high headroom sound, with 64 bit double-precision 96kHz DSP processing, and an advanced power management to squeeze the last watts out of your speakers.

It also offers similar power per channel in any impedance, exceptional power sharing in asymmetrical loads and a powerful and fast response cooling system.

The XT series has digital control with an extra large IPS display and touch screen panel user interface, making it easier and faster to use.

The DSP management user functionalities include input routing matrix analog, input EQ section with 8 filters and 20 memories, input EQ user section, system preset selection, a snapshot library management with up to 20 presets and master control groups.

Technical Data

	XT-6K	XT-10K
Number of channels	4	4
Total output power	6000W	10000W
Output power* (All ch's driven/single channel) @ 8 Ohms	4 x 1100W 1 x 1200 W	4 x 1600W 1 x 1800 W
@ 4 Ohms	4 x 1500W 1 x 1900W	4 x 2500W 1 x 3000W
@ 2 Ohms	4 x 1450W 1 x 1450W	4 x 2500W 1 x 2500W
Bridge @ 8 Ohms Bridge @ 4 Ohms	2 x 3000W 2 x 2900W	2 x 5000W 2 x 5000W
Hi-Z 100V Hi-Z 70V	4 x 800W 4 x 1500W	4 x 2500W 4 x 2500W
Max output voltage	144 V peak	176 V peak
Max output current	38 A peak	50 A peak
Total Harmonic Distortion	<0.05%	<0.05%
Voltage Gain	26 dB to 44 dB (1 dB step)	26 dB to 44 dB (1 dB step)
SNR	106 dBA	107.5 dBA
Required AC Mains Operating Voltage (50Hz-60Hz) 1/8 Rated Power (@230V, 4 ohms)	170V-265V AC / 90V-140V AC 15A	170V-265V AC / 90V-140V AC 16A
Dimensions W x H x D (mm)	483x89x320	483x89x320
Weight Net (kg - lbs)	8.5 - 18.7	8.5 - 18.7
Protections	Soft-start, Turn-on Turn-off transients, Over-heating, DC, RF, Short-circuit, Open or mismatched loads, Overloaded power supply, ICL™, PMS™ and SSP™	

* IEC filtered pink noise signal (40Hz-5kHz, 12 dB crest factor). 230V AC mains.

XT amplifier characteristics:

- Digital Control with extra large IPS display and touch screen panel user interface
- 64 bit double-precision 96kHz DSP process
- High performance 96kHz/24 bits AD/DA converters
- Powerful and fast response cooling system
- Available versions with Dante™ Networking (AES67) and AES3 Digital inputs
- Two ports Ethernet switch for daisy chain connection
- USB port for firmware update and DSP control
- High voltage output for high headroom sound
- Similar power per channel in any impedance
- Advanced power management to squeeze until the last watt for your speakers
- Exceptional power sharing in asymmetrical loads

DSP management using OCS and amplifier display:

- System Preset selection predefined by the manufacturer (Locked/Unlocked)
- Snapshot library management up to 20 presets
- Master control groups
- Input Routing matrix Analog/Dante/AES3
- Input EQ section with 8 filters and 20 memories
- Input EQ User section, predefined by the manufacturer

DSP Specifications

Overall:

- High performance 96kHz/24 bits AD/DA converters
- 64 bit double-precision 96kHz DSP process
- 0.85ms minimum process latency time
- Custom FIR process up to 1000 taps
- Dante and AES3 input versions

Input Section (x4):

- Gain, Mute and Phase inversion
- Input Delay: Up to 114 meters (333 ms)
- Input EQ: 16 filters (Param., Shelving, LP, HP, BP, SB, AP)

Output Section (x4):

- Crossover Filters: FIR and IIR (up to 48dB/oct, Butterw./LR/Bessel)
- Output Delay: 0 to 31 meters (90ms) per channel
- Output IIR EQ: 12 filters per channel (Param., Shel, LP, HP, BP, SB, AP)

- Output FIR EQ: 20 filters per channel (Parametric, Shelving, LP, HP, BP, SB, PA), or Custom. Up to 1000 taps
- RMS and Peak limiter per channel

Communications:

- Two ports Ethernet switch for daisy chain connection
- UBS 2.0 Type B port

Miscellaneous:

- 20 User preset memories library
- 20 User snapshot memories library
- Manufacturer/User passwords
- User control groups for virtual Equalization, Gain and Delay
- Zone management for library, and alerts information
- Smart® analysis software integration