

The XT Series amplifiers from KIND offer true professional quality, performance and road-proven reliability. XT models are designed to work hard into 2 ohm loads. Four 3 RU models, designed with dual mono topology, provide 900 to 2400 watts per channel at 2 ohms (FTC continuous average). All four models feature a compact chassis deep 453 mm (17.8").

KIND's XT series represents state-of-the-art in professional quality performance. Every model perfectly suited for a wide range of sound reinforcement applications including professional touring, performing musicians, and mobile entertainers, the XT4000 is optimized to deliver high levels of sustained power with extraordinary audio performance.

XT amplifiers include a comprehensive set of features including inputs XLR/M, XLR/F for loop-through connectivity and outputs Speakon® for fast and safety / secure connectivity, user-defeatable clip limiters and I.O.C. filter card (option) to optimize sonic performance.

All the models feature a two-tier, Class H design that is extremely efficient at real world power levels. Less AC current is wasted and more available current goes into producing useful audio power.

The XT Series incorporates comprehensive warning and protection features to safeguard the amplifier and all connected loudspeaker drivers. Front-panel indicators give clear warnings when any potential problems are detected. The protections are inaudible under normal use and all protection circuitry are independent for each channel. The output devices has been protected by limiting the output current in case the load connected is too low (less than 1 Ohm) or the output is in short circuit. The temperature management system constantly monitors the heatsink temperature. If the heatsink reaches an abnormal temperature for inadequate ventilation the load will be disconnected. To protect the connected loudspeakers from DC, a DC detection system monitors independently both output channels. If DC of 5V or higher is present, (due to a fault in the power amplifier itself or due to applied DC on the input), the load will be disconnect immediately.

The XT series, with his aluminium front panel, have a professional look and a very strong chassis; KIND design and construction has been tested and refined over many years. The circuit board design is modular, because this type of construction greatly improves future technical assistance.



XT Benefits

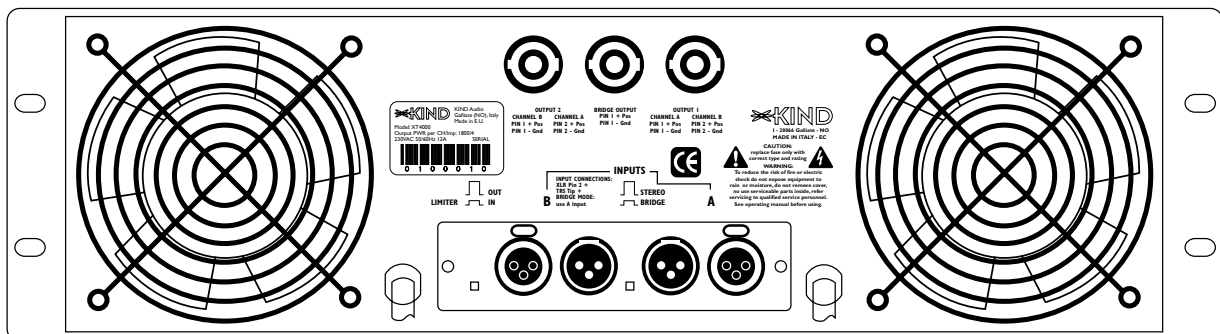
- Professional quality performance—incorporates road-proven KIND designs
- High current output stage and extraordinary thermal performance yielding higher continuous power in 2 ohm stereo or 4 ohm bridged applications
- All models feature a dual mono topology, high current power supply for increased reliability and performance
- Two high-current toroidal transformers for greater 2 ohm power and low noise
- Compact size—up to 4800 watts in 3 rack spaces
- User-defeatable clip limiters reduce distortion
- Optional I.O.C. cards for signal processing
- Front mounted stepped gain controls knobs for easy access
- Signal and Clip LED indicators to monitor performance
- Balanced XLR/M and XLR/F connectors for simple loop-through connectivity
- Neutrik Speakon™ Outputs
- Continuously variable speed fans
- Tunnel cooling with back-to-front air flow
- Independent DC and thermal overload protection on each channel automatically protects amplifier and speakers
- Craftsmen built in Galliate, Italy
- 3 year Warranty

Specifications

Model	XT1000	XT2000	XT3000	XT4000
Number of channels	2	2	2	2
Power Output Per Channel¹⁾				
16 ohms per ch. (all channels driven)	210 W	320 W	420 W	630 W
8 ohms per ch. (all channels driven)	400 W	600 W	790 W	1200 W
4 ohms per ch. (all channels driven)	650 W	900 W	1250 W	1800 W
2 ohms per ch. (all channels driven)	900 W	1300 W	1600 W	2400 W
Power Output Bridged¹⁾				
16 ohms per ch.	800 W	1200 W	1580 W	2400 W
8 ohms per ch.	1300 W	1800 W	2500 W	3600 W
4 ohms per ch.	1800 W	2600 W	3200 W	4800 W
Performance				
THD+N 20 Hz - 20kHz for 1 W @ 4 ohms	<0.03%	<0.03%	<0.03%	<0.03%
THD @ 1 kHz 1 dB below clipping @ 4 ohms	<0.05%	<0.05%	<0.05%	<0.05%
Signal to Noise Ratio	>104 dBA	>104 dBA	>104 dBA	>104 dBA
Frequency Response (1 W @ 8 ohms) +0/-1dB	10Hz - 30kHz	10Hz - 30kHz	10Hz - 30kHz	10Hz - 30kHz
Damping Factor @ 8 ohms load, 10 Hz to 200 Hz	>400	>400	>400	>400
Output Slew rate @ 8 ohms (input filter bypassed)	25V / μ s	25V / μ s	25V / μ s	25V / μ s
Input Impedance Balanced / Unbalanced	20k / 10kOhm	20k / 10kOhm	20k / 10kOhm	20k / 10kOhm
Input CMRR	>55 dB	>55 dB	>55 dB	>55 dB
Gain and Level				
Input Sensitivity @ 4 ohms +/- 3 %	1.2V	1.2V	1.2V	1.2V
Input Gain	32.6 dB	34 dB	35.4 dB	37 dB
Level Adjustment (per channel)	Front panel potentiometer, 41 pos. stepped gain from -inf to 0 dB			
Front panel Indicators				
Per channel	Active (channel power on); Hi temperature (on for overtemp muting); Signal output -30 dB; Clip / Limit; Protect.			
Connectors and switches				
Input connectors (per channel)	Balanced: XLR/M and XLR/F (loop-through connectivity); XLR pin 2 positive			
Output connectors (per channel)	Neutrik Speakon™ (bi-wiring connected)			
Output bridge mode	A+B - ch.A is signal input source.			
Rear panel push switches	Ch. A+B Clip Limiter on, Stereo, Bridge-mono,			
Power (on/off)	Two switches on front panel			
Output Circuitry / Design Topology				
Power Supply	Class H / Fully dual mono (with separate power cord)			
Cooling	Linear power supply (fully separate for each channel), with toroidal transformer			
Amplifier and Load Protection				
Short circuit, open circuit, thermal, RF protection, mains over / lower voltage. On/off muting, DC fault shutdown, clip limiter				
Power				
Operating voltage (selectable inside the unit)	Nominal 115V AC (75-132V AC) - 50/60 Hz, min. power up voltage 90V; or nominal 230V AC (150-264V AC) - 50/60 Hz, min. power up voltage 180V			
Current draw @ 230V AC 1/8 power 4 ohms	2.0 A	2.6 A	3.5 A	4.8 A
Current draw @ 230V AC 1/3 power 4 ohms	3.9 A	5.3 A	7.2 A	10.2 A
Current draw @ 230V AC, idle	0.4 A	0.4 A	0.4 A	0.4 A
Soft start / Inrush current draw @230V AC	Yes / max. 8A per channel			
AC cordset	230V CE: 16 A, CEE7; 115V ETL: 15 A, NEMA-15			
Options				
I.O.C. (X-over, filter cards)				
Dimensions (W/H/D)				
W: 483 mm (19"), H: 133 mm (5.25" - 3 RU), Overall with handles D: 495 mm (19.49"), From front mounting rails D: 453 mm (17.8")				
Weight - Net / Shipping				
23 kg (50.6 lbs.) / 26 kg (57.2 lbs)				
26 kg (57.2 lbs) / 29 kg (63.8 lbs)				
28 kg (61.6 lbs) / 31 kg (68.2 lbs)				
31 kg (68.2 lbs) / 34 kg (74.8 lbs)				
Approvals				
CE EN55103-1 (Emissions), EN55103-2 (Immunity), EN60065, Class I (Safety)				

Note 1) FTC continuous average 1kHz - 1% THD @ 230V AC

All specifications are subject to change without notice.



KIND is a trademark of A&AG S.r.l.
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