

CT series

Class D + Toroidal Transformer Power Amplifier

SAE

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The CT series is the most cost-effective toroidal transformer power amplifier of SAE Audio products. CT series is the best choice for the economic application of sound reinforcement. CT series has got the excellent performance and good sound quality with class D power amplifier module and toroidal transformer power supply. The amplifier can automatically identify and switch the voltage (120V /240V) after electrify. It is the most advanced creation of toroidal power amplifier. Variable FRQ and X-over technology make CT8000X / CT12000X has continuous adjustable 50Hz~200Hz low pass filter function (LPF function) and low pass filter frequency point function (BIAMP function), to meet user's need that the amplifier has high and bass voice electronic frequency division function.

Technology

Class D + Toroidal transformer power supply

Class D, which is the most advanced audio power amplification technology in new ere, SAE Audio use it into power modules, realize a perfect initiative combination between ClassD and premium toroidal transformer, providing CT series with outstanding performance and best sound quality.

Variable X-over for Biamp application

Variable FRQ and X-over technology make CT8000X / CT12000X has continuous adjustable 50Hz~200Hz low pass filter function (LPF function) and low pass filter frequency point function (BIAMP function), to meet user's need that the amplifier has high and bass voice electronic frequency division function.

Automatically identify and Switch the voltage

In order to facilitate the use of 120V or 240V countries, CT series can automatically identify and switch the voltage after electrify. the appearance of CT series are more concise and fashion without Manual switch , the performance of CT series are better than other toroidal power amplifiers. It is the most advanced creation of toroidal power amplifier.



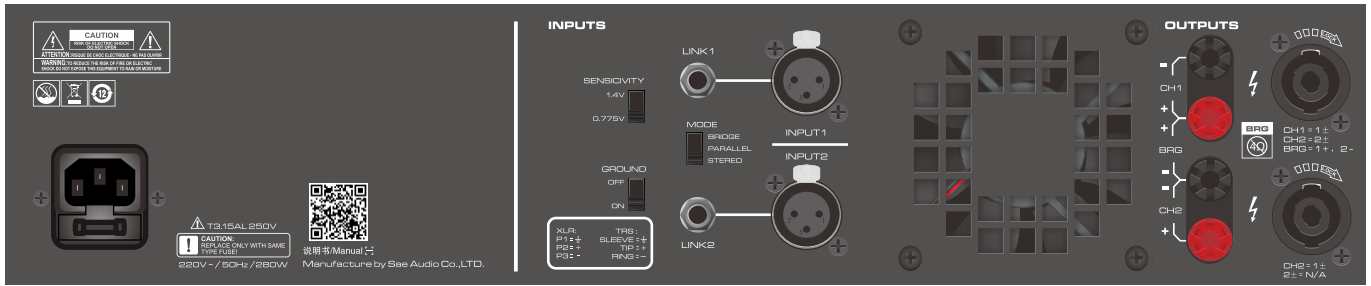
Features

- Premium toroidal transformer power supply.
- Class D power modules.
- XLR input and TRS signal link connectors.
- SpeakON NL4 and binding post output connectors.
- Automatically identify and switch the voltage(120V/240V).
- Routing mode selector on the back panel (stereo / bridge-parallel).
- CT1000/1500/3000/6000 Input sensitivity selector on the back panel (0.775v/1.4v).
- CT8000X/12000X Input sensitivity selector on the back panel (0.775v/1.0v/1.4v).
- The rear panel has LPF/BIAMP function options(CT8000X/12000X).

- Channel independent protection and clip warning indicators on the front panel.
- Channel independent power and signal presence indicators on the front panel.
- Stylish arc front panel design.

Applications

- Small to mid sized bar/café/lounge installation.
- Economical sound reinforcement applications.



CT1500 rear panel

Specifications

Model	CT1000	CT1500	CT3000	CT6000	CT8000X	CT12000X
Output power (AC 220V / 50Hz. $\pm 10\%$, All channels driven output power, THD=1%)						
8 Ω stereo	100W x2	150W x2	300W x2	600W x2	800W x2	1200W x2
4 Ω stereo	150W x2	250W x2	450W x2	900W x2	1200W x2	2100W x2
8 Ω bridge	300W	500W	900W	1800W	2400W	4200W

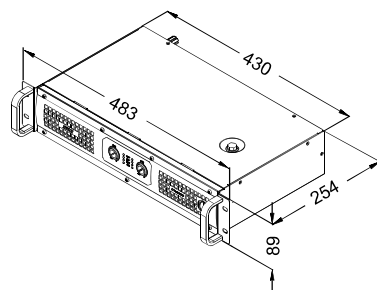
Other specification

Frequency response	20Hz - 20kHz (+0/-1dB)			20Hz - 20kHz (+0/-1.8dB)		20Hz - 20kHz (+0/-1.8dB)
THD+N	$\leq 0.1\%$					
S/N rate	≥ 80 dB				≥ 90 dB	
Input sensitivity	0.775v / 1.4v				0.775v / 1.0v / 1.4v	
Input impedance(bal/unbal)	20k Ω / 10k Ω				40k Ω / 18k Ω	
Voltage gain (8 ohm)	30.6dB	32.5dB	36dB	38.7dB	40.8dB	42.1dB
Cooling	Air flow from front to rear					
Protection	Soft start , VHF , short circuit , over load , clip limit , over heat , over voltage10%(CT3000/CT6000) , progressive volume					
	CT6000/CT8000X/CT12000X: When the protection of this product because of short circuit / over load / over voltage , the circuit will be locked , and then must restart to unlock					

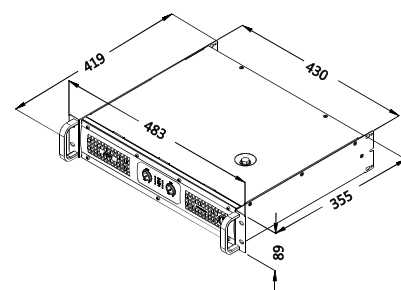
Dimension / Weight

Product dimensions (mm)	483x254x89				483x419x89	
Packaging Dimension(mm)	560x420x170				595x565x170	
G.W.	8.6 kg	9.1 kg	10.3 kg	11.4kg	18.1kg	20.3kg

Product dimension(mm)



CT1000,1500,3000,6000



CT8000X ,12000X

Remark : 1. The power is tested under the condition of 40ms burst,1kHz sine wave and 1% THD.
2. SAE reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.