



AMPLIFIER SERIES

SERIES INTRODUCTION

PRODUCTS

MT SERIES MT1300, MT2400	P43
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- The LAX professional power amplifier is deeply developed for a variety of different usage scenarios, ensuring high quality, high configurability and scalability, and can bring concert level audio quality experience.
- MT SERIES is applicable to theaters, mobile performances, clubs, touring concerts, etc;
- Applicable fields of MPA SERIES: stadiums, conference rooms, lecture halls, cinemas, etc;
- Applicable fields of CR SERIES: conference rooms, lecture halls, multi-function halls, auditoriums, entertainment venues, etc;
- Applicable fields of CT SERIES: conference rooms, outdoor broadcasting, shopping malls, schools, etc;

APPLICATION

Outdoor sound reinforcement, stadiums, theme parks, indoor and outdoor public places.



MT SERIES

Power amplifier

The MT series features a unique hybrid Class D design, that essentially delivers a Class A sound quality, but with the energy efficiency of a Class H amplifier.

Available in both 2 or 4 channel configurations, M series amplifiers are light and compact, whilst maintaining a very high and efficient power output

FEATURES

- Powerful, and highly efficient with Class A sound quality, class H high power, and low energy consumption.
- Advanced switch-mode power supply, provides a stable signal down to 2 ohm loads.
- Enhanced protection systems guard against short circuits, overheating, DC, UHF, infrasound and distortion.
- Wide high-density copper radiating surface for faster heat dissipation.
- High-speed and smart fan system, ensures the reliability and durability of the amplifier in any working environment
- Detachable ventilated heat sink panel.
- Each channel features a power limiter to ensure safe operation.

SPECIFICATIONS

Model	MT1300	MT2400
Stereo 8Ω	4 × 1300 W	2 × 2400 W
Stereo 4Ω	4 × 2200 W	2 × 4350 W
Stereo 2Ω	4 × 2400 W	2 × 7000 W
Bridged 8Ω	2 × 4400 W	8700 W
Bridged 4Ω	2 × 4800 W	14000 W
THD	< 0.5 %	< 0.1 %
Frequency response	20 Hz - 25 Hz (± 1 dB)	20 Hz - 25 Hz (± 0.5 dB)
S / N Rate	> 110 dB	110 dB
Power Gain Option	23, 26, 29, 32, 35, 38, 41, 44 dB	
Input Socket	XLR Female	
Input Impedance	20 kΩ (Balanced) / 10 kΩ (Unbalanced)	
Output Socket	Neutrik® Speakon	
Front Panel Indicator	Protection (High Frequency, Mute, Over Heating) Bridge Mode, Operating Status	
Protection	Short Circuit, Open, Overheating, Overload, DC, etc.	
Power	200 - 240 V ~ 50 - 60 Hz	
Minimum Start Voltage	180 - 260 V ~ 50 - 60 Hz	
Dimensions (H × W × D)	88 × 483 × 377 mm	
Net Weight	13 kg	



CR SERIES

Two-channel power amplifier

FEATURES

- The brand new appearance design, the panel molding mold integration molding, the aviation aluminum material spraying process and the mirror plexiglass design are all exquisite.
- The concealed upper and lower ventilation slots are designed with excellent heat dissipation performance
- Multiple power options, stable and reliable products, and cost-effective option
- It has DC protection, overload protection, short circuit protection, overheat protection, voltage limit protection, soft start protection, and safer machine performance.
- Adopt a large number of high-precision SMD devices, automatic production process, and higher product reliability.
- High-efficiency ring transformer with magnetic shielding layer is adopted to effectively resist interference.
- Class H line design, high efficiency and small size.
- Automatic variable speed fan, optimized cooling system, and more stable machine performance.

SPECIFICATIONS

Model	CR350	CR550	CR750	CR950	CR1200
8Ω stereo (each channel)	2 x 350W	2 x 550W	2 x 750W	2 x 950W	2 x 1250W
4Ω stereo (each channel)	2 x 500W	2 x 780W	2 x 1050W	2 x 1450W	2 x 1800W
8Ω bridge mono	1000W	1560W	2100W	2900W	3600W
Frequency response	20Hz-20kHz,+1/-1dB				
Total harmonic distortion (THD)	(Standard measurement conditions,8Ω/1KHz)≤0.1%				
Resistance coefficient	≥150:1	≥180:1	≥200:1	≥220:1	≥250:1
Voltage gain 0.775V/1.4V	x68/x38	x86/x48	x100/x55	x112/x62	x129/x71
Signal-to-noise ratio (A weighting)	≥100dB				
Input sensitivity (rated power 8Ω)	0.775V or 1.4V				
Input impedance (rated)	20k ohms(Balanced)/10k ohms(unbalanced)				
Resolution	≥65dB				
Input common mode rejection ratio	≥60dB				
Input connector	One balanced XLR per channel				
Output connector	4-POLE Speakon per channel				
Power	AC 220V 50-60Hz				
Dimensions (W x H x D)	88 x 483 x 305 mm			88 x 483 x 375 mm	
Net weight	13kg	14kg	16kg	18kg	19kg



MPA SERIES

Power amplifier

Sports venues, conference rooms, multifunctional lecture halls, cinemas, entertainment venues, etc

FEATURES

- There are three modes to choose from: stereo, parallel, and bridge; With input sensitivity selection, 0.775V/1.4V.
- Equipped with DC protection, overload protection, short circuit protection, overheating protection, voltage limit protection, and soft start protection, the machine performance is safer.
- Adopting a large number of high-precision SMD devices and automated production processes, the product reliability is higher.
- Adopting high-efficiency circular transformer with magnetic shielding layer, effectively anti-interference. (MPA4-1300 uses a switching power supply)
- The automatic variable speed fan increases in speed as the internal temperature of the power amplifier increases.
- There are power indicator lights, signal indicator lights, voltage limit indicator lights, and protection indicator lights, which are concise and clear about the working status of the power amplifier at a glance.
- Wind tunnel style heat dissipation, with straight in and out air ducts.
- The signal enters the XLR female and exits the XLR male for convenient signal connection (LINK).

SPECIFICATIONS

Model	MPA4-500	MPA4-900	MPA4-1300	MPA4-1600
1kHz(EIA)with 1% THD				
8Ω stereo (each channel)	4 x 550W	4 x 900W	4 x 1100W	2 x 1600W
4Ω stereo (each channel)	4 x 750W	4 x 1350W	4 x 1650W	2 x 2500W
8Ω bridge mono	2 x 1500W	2 x 7000W	2 x 3300W	1 x 5000W
Frequency response (1W)	20Hz-20kHz,+0/-1dB			
Total harmonic distortion (THD)	<0.1%			
Conversion rate	20V/us			
Voltage gain 8Ω /0.775V	x85	x110	x121	x146
resistance coefficient	≥250:1			
Signal-to-noise ratio (A weighting)	≥100dB			
Circuit Architecture	Class H			
Input sensitivity (rated power 8Ω)	0.775V or 1.4V			
Input impedance (rated) balanced/un balanced	20k ohms / 10k ohms			
Input connector	One balanced XLR			
Output connector (speaker connection interface)	4-POLE Speakon per channel			
Power	220-230VAC, 50Hz			
Dimensions (W x D x H)	483 x 426 x 88 mm		483 x 227 x 88 mm	483 x 426 x 88 mm
Gross weight	19kg	21kg	22kg	24kg



CT SERIES

Public address mixer amplifier

The CT series is a range of mixer-amplifiers designed to provide a simple interface for the end-user, whilst allowing for enough flexibility in small to medium commercial applications

FEATURES

- 4 Mic/Line input with 15V phantom power, 3 AUX inputs, 1 Insert, 1 Preamp output.
- Balanced 8Ω and 70V / 100V Output.
- Independent master output buss, with mute function, and 2-band EQ.
- Signal overload, overheating, and short circuit protection systems.
- Built-in Chime.
- Short circuit, over-current, over-heat, and overload protection.

SPECIFICATIONS

Model	CT700	CT1000
Output power	300W	500W
Output terminal	Balanced 8Ω, 70 V, 100 V	
PRE output	600Ω 1V (0 dBV)	
Inputs	Mic1, 2 / 600 ohm, 2.0 mV (-54 dBV), unbalanced ; AUX1, 2 / 10 kohm, 250 mV (10 dBV), unbalanced	
Frequency response	100 Hz - 16 kHz	
THD+N	Less than 0.1% at 1 kHz, 1 / 3 rates power	
S / N Rate	Microphone 1, 2 : 68 dB; AUX1, 2 : 78 dB	
EQ	LF: ±10 dB at 100 Hz, HF: ±10 dB at 16 kHz	
Protection	AC fuse; DC voltage, overload and short circuit	
Mute	Function Mic 1 overrides, other input signals with -10 20 dB attenuation.	
Power supply	AC 220 V / 50 - 60 Hz	
Power consumption	500	835
Dimensions (W x D x H)	89 × 483 × 366 mm	
Gross weight	18 kg	20 kg