

# AMPLIFIERS



The products line up is sporting the latest technologies offering a selection of amplifiers for every kind of audio systems.

▲LTO engineers know very well that amplifiers represent a crucial ring in the audio chain, that's why all details and features are always treated with the best attention and care. Severe and constant quality tests in the whole product development stages make ▲LTO amplifiers to be considered synonymous of consistency, constant power, low noise, compact size.

Every ▲LTO Amplifier means Music, Passion, Design.

**D SERIES - High Efficient Power Amplifiers**

**MAC SERIES**

**MISTRAL SERIES**

**MC SERIES**



# AMPLIFIERS

## D SERIES - High Efficient Power Amplifiers

▲LTO D Series amplifiers are based on very advanced switch mode power supply and innovative digital output circuit for unsurpassed clarity of sound and dynamic capacity. With power available from 1000 to 3000 watts and total weight starting at 5,5 Kg per unit only. The D SERIES amplifiers are possibly the lightest power amplifiers of this kind ever made. They include automatic Limiter circuit and they are ready to accept a DSP board for speaker management, PC Monitoring and Networking.

Common Features:

- Distortion (SMPTE-IM): <0.5%(THD, DIM, SMPTE)
- Frequency Response: 20Hz-20KHz +/- 0.1dB, -3 dB points: 10Hz-60KHz
- Damping Factor, at 8 ohms: >300
  - 100Hz: > 500
  - 1KHz: > 200
  - 10KHz: >100
- Signal to Noise, 20Hz-20KHz: >105 dB/A
- VOLTAGE GAIN: 40x (32dB)
- Input Sensitivity @ 4 ohms: 1Vrms
- Input Clipping: 10Vrms (+22 dB)
- Input Impedance: 10K ohms unbalanced, 20K ohms balanced; 56 (36dB)
- CONTROL: FRONT: AC SWITCH, GAIN KNOBS  
REAR: LOW PASS FILTER, BRIDGE SELECTOR.
- Cooling: Continuously 7-variable-speed fan, rear-to-front air flow
- Load Protection: On/off muting, DC-fault load grounding relay. Internal fault fuses.

### D1 2 - Channel Amplifier

- Power EIAJ @1% THD. Both channels driven: 2 x 500W@4 Ω (EIAJ); 2 x 270W@8 Ω (EIAJ)
- BRIDGE MODE: 1 x 1000W@8 Ω (EIAJ); 1 x 520W@16 Ω (EIAJ)
- Dimensions (WxDxH): 483 x 285 x 88.8mm (19"x10.4"x3.5")
- Weight : 5.5 Kg (12.1lb)



# AMPLIFIERS



## D SERIES - High Efficient Power Amplifiers

### D2 4 - Channel Amplifier

- Power EIAJ @1% THD. Both channels driven: 4 x 500W@4 Ω (EIAJ); 4 x 270W@8 Ω (EIAJ)
- BRIDGE MODE: 2 x 1000W@8 Ω (EIAJ); 2 x 520W@16 Ω (EIAJ)
- Dimensions (WxDxH): 483 x 376 x 88.8mm (19"x14.8"x3.5")
- Weight : 7.9 Kg (17.4lb)



### D3 2 - Channel Amplifier

- Power EIAJ @1% THD. Both channels driven: 2 x 750W@4 Ω (EIAJ); 4 x 370W@8 Ω (EIAJ)
- BRIDGE MODE: 1 x 1500W@8 Ω (EIAJ); 1 x 740W@16 Ω (EIAJ)
- Dimensions (WxDxH): 483 x 285 x 88.8mm (19"x10.4"x3.5")
- Weight : 5.5 Kg (12.1lb)



### D4 4 - Channel Amplifier

- Power EIAJ @1% THD. Both channels driven: 4 x 750W@4 Ω (EIAJ); 4 x 370W@8 Ω (EIAJ)
- BRIDGE MODE: 2 x 1500W@8 Ω (EIAJ); 2 x 740W@16 Ω (EIAJ)
- Dimensions (WxDxH): 483 x 376 x 88.8mm (19"x14.8"x3.5")
- Weight : 7.9 Kg (17.4lb)





# AMPLIFIERS

## MAC SERIES

What do we expect from a professional power amplifier? Reliability, hi-fi quality, high performance and durability! These amplifiers were designed to meet all the requests of audio professionals around the world! You can find a solution to suit your needs at the best possible price with the MAC series!

### MAC2.2 Stereo Power Amplifier

- Stereo Mode: 2 x 750W @2Ω(EIAJ); 2 x 350W @4Ω(EIAJ); 2 x 230W @8Ω(EIAJ)
- Bridge Mode: 1 x 710W @8Ω(EIAJ); 1 x 1500W @4Ω(EIAJ)
- Binding post and Speakon output connectors
- Excellent sound quality and frequency response
- High fidelity and low noise
- S / N Ratio: 100dB
- Damping Factor: > 100 at 1kHz
- Dimensions (WxDxH): 483 x 460 x 88.8mm (19"x18.1"x3.5")
- Weight: 13.6kg (30 lb)



### MAC2.3 Stereo Power Amplifier

- Stereo Mode: 2 x 1000W @2Ω(EIAJ); 2 x 500W @4Ω(EIAJ); 2 x 285W @8Ω(EIAJ)
- Bridge Mode: 1 x 1000W @8Ω(EIAJ); 1 x 2200W @4Ω(EIAJ)
- Binding post and Speakon output connectors
- Excellent sound quality and frequency response
- High fidelity and low noise
- S / N Ratio: 100dB
- Damping Factor: > 100 at 1kHz
- Dimensions (WxDxH): 483 x 460 x 88.8mm (19"x18.1"x3.5")
- Weight: 15.6kg (34.4 lb)



### MAC2.4 Stereo Power Amplifier

- Stereo Mode: 2 x 1800W @2Ω(EIAJ); 2 x 900W @4Ω(EIAJ); 2 x 560W @8Ω(EIAJ)
- Bridge Mode: 1 x 1800W @8Ω(EIAJ); 1 x 3100W @4Ω
- Binding post and Speakon output connectors
- Excellent sound quality and frequency response
- High fidelity and low noise
- S / N Ratio: 100dB
- Damping Factor: > 100 at 1kHz
- Dimensions (WxDxH): 483 x 460 x 88.8mm (19"x18.1"x3.5")
- Weight: 20.55kg (45.3 lb)



# AMPLIFIERS



## MISTRAL SERIES

Powerful and musical! Mistral amplifiers are based on a very musical sophisticated AB design and are available in a wide range of power from 400 to 2800 watts. These amps include a soft start, a signal limiter (which can be switched off) a variable speed low-noise fan and a sophisticated LED meter display monitors the amplifiers operation status in real time. The Mistral Series amplifiers also include an LED meter for every channel and functions monitored include: Operation, Limiting, Clipping and Protection modes. All Mistral toroidal transformers include an independent secondary rail for better stability and dynamic range.

### MISTRAL400 Stereo Power Amplifier

- Stereo Mode: 2 x 50W @8Ω(EIAJ); 2 x 70W @4Ω(EIAJ); 2 x 60W @8Ω(EIAJ); 2 x 100W @4Ω(EIAJ)
- Bridge Mode: 1 x 140W @8Ω(EIAJ); 1 x 200W @8Ω(EIAJ)
- Neutrik Speakon output connectors
- Balanced XLR and 1 / 4" jack inputs
- 3 LEDs for limit, power on and clip
- Dimensions (WxDxH): 483 x 280 x 44.4mm (19"x11.02"x1.7")
- Weight: 6.5kg (14.3 lb)



### MISTRAL900 Stereo Power Amplifier

- Stereo Mode: 2 x 130W @8Ω(EIAJ); 2 x 170W @4Ω(EIAJ); 2 x 170W @8Ω(EIAJ); 2 x 250W @4Ω(EIAJ)
- Bridge Mode: 1 x 340W @8Ω(EIAJ); 1 x 500W @8Ω(EIAJ)
- Binding post and Neutrik Speakon output connectors
- Smart - design protection system
- High - current toroidal transformer
- Balanced XLR inputs / parallel outputs
- Variable speed cooling
- 4 LEDs for operation/protection, limit, power on and clip
- Dimensions (WxDxH): 483 x 400 x 89mm (19"x15.9"x3.5")
- Weight: 11kg (24.3 lb)



### MISTRAL1500 Stereo Power Amplifier

- Stereo Mode: 2 x 250W @8Ω(EIAJ); 2 x 400W @4Ω(EIAJ); 2 x 320W @8Ω(EIAJ); 2 x 540W @4Ω(EIAJ)
- Bridge Mode: 1 x 800W @8Ω(EIAJ); 1 x 1000W @8Ω(EIAJ)
- Binding post and Neutrik Speakon output connectors
- Smart - design protection system
- High - current toroidal transformer
- Balanced XLR inputs / parallel outputs
- Variable speed cooling
- 4 LEDs for operation / protection, limit, power on and clip
- Dimensions (WxDxH): 483 x 400 x 89mm (19"x15.9"x3.5")
- Weight: 13kg (28.7 lb)





# AMPLIFIERS

## MISTRAL SERIES

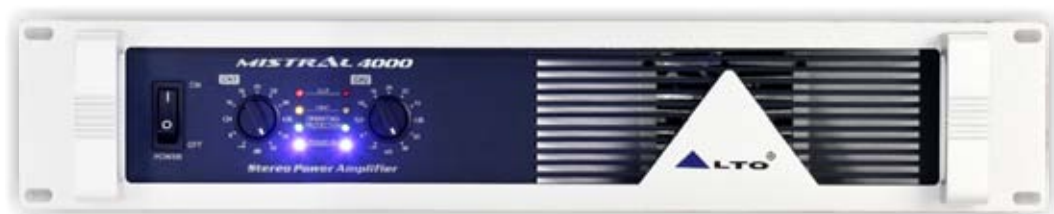
### MISTRAL2500 Stereo Power Amplifier

- Stereo Mode: 2 x 310W @8Ω(EIAJ); 2 x 610W @4Ω(EIAJ); 2 x 440W @8Ω(EIAJ); 2 x 800W @4Ω(EIAJ)
- Bridge Mode: 1 x 1150W @8Ω(EIAJ); 1 x 1500W @8Ω(EIAJ)
- Binding post and Neutrik Speakon output connectors
- Smart-design protection system
- High - current toroidal transformer
- Balanced XLR inputs / parallel outputs
- Variable speed cooling
- 4 LEDs for operation / protection, limit, power on and clip
- Dimensions (WxDxH): 483 x 400 x 89mm (19"x15.9"x3.5")
- Weight: 18.1kg (40 lb)



### MISTRAL4000 Stereo Power Amplifier

- Stereo Mode: 2 x 530W @8Ω(EIAJ); 2 x 810W @4Ω(EIAJ); 2 x 600W @8Ω(EIAJ); 2 x 1100W @4Ω(EIAJ)
- Bridge Mode: 1 x 1640W @8Ω(EIAJ); 1 x 2300W @8Ω(EIAJ)
- Binding post and Neutrik Speakon output connectors
- Smart - design protection system
- High - current toroidal transformer
- Balanced XLR inputs / parallel outputs
- Variable speed cooling
- 4 LEDs for operation / protection, limit, power on and clip
- Dimensions (WxDxH): 483 x 400 x 89mm (19"x15.9"x3.5")
- Weight: 20.3kg (44.8 lb)



### MISTRAL6000 Stereo Power Amplifier

- Stereo Mode: 2 x 780W @8Ω(EIAJ); 2 x 1170W @4Ω(EIAJ); 2 x 900W @8Ω(EIAJ); 2 x 1500W @4Ω(EIAJ)
- Bridge Mode: 1 x 2300W @8Ω(EIAJ); 1 x 3100W @8Ω(EIAJ)
- Binding post and Neutrik Speakon output connectors
- Smart - design protection system
- High - current toroidal transformer
- Balanced XLR inputs / parallel outputs
- Variable speed cooling
- 4 LEDs for operation / protection, limit, power on and clip
- Dimensions (WxDxH): 483 x 453 x 133mm (19"x17.8"x5.2")
- Weight: 27.5kg (60.6 lb)



# AMPLIFIERS



## MC SERIES

Also based on Mistral design, MC amplifiers are available in 4 and 8 channels configurations with power ranging from 300 to 800 watt per channel. They include soft start, signal limiter (that can be switched off) a variable speed low-noise fan and a LED meter display which monitors the amplifiers operation status in real time. MC Series amplifiers also include an LED meter for every channel and functions monitored include: Operation, Limiting, Clipping and Protection modes. All Mistral toroidal transformers include an independent secondary rail for better stability and dynamic range.

- Ultra low-noise and hum
- DC, infrasonic, thermal overload & short circuit protection
- Smart indicator for signal, clip, protect, bridge-mono & parallel-input LEDs on front panel
- Selectable high-pass filters protect speakers and prevent speaker transformer saturation with minimal effect on program material
- DIP switch control for clip limiter, high-pass filter, bridge-mono selections
- Variable speed fan for low noise
- Detachable Euroblock: "Barrier strip" input connectors
- 1 dB dented gain controls for fast and accurate gain settings

### MC250.4 Multi - Channel Stereo Amplifier

- Stere Mode: 4 x 180W @8Ω (EIAJ); 4 x 250W @4Ω (EIAJ)
- Bridge Mode: 2 x 500W @8Ω (EIAJ)
- Dimensions (WxDxH): 483 x 403 x 89mm (19"x15.9"x3.5")
- Weight: 17.0kg (37.5 lb)



### MC250.8 Multi - Channel Stereo Amplifier

- Stere Mode: 8 x 180W @8Ω (EIAJ); 8 x 250W @4Ω (EIAJ)
- Bridge Mode: 4 x 500W @8Ω (EIAJ)
- Dimensions (WxDxH): 483 x 450 x 89mm (19"x17.7"x3.5")
- Weight: 21.6kg (47.6 lb)



### MC500.4 Multi - Channel Stereo Amplifier

- Stere Mode: 4 x 300W @8Ω (EIAJ); 4 x 500W @4Ω (EIAJ)
- Bridge Mode: 3 x 1000W @8Ω (EIAJ)
- Dimensions (WxDxH): 483 x 403 x 89mm (19"x15.9"x3.5")
- Weight: 19kg (41.9 lb)



### MC700.4 Multi - Channel Stereo Amplifier

- Stere Mode: 4 x 460W @8Ω (EIAJ); 4 x 700W @4Ω (EIAJ)
- Bridge Mode: 2 x 1450W @8Ω (EIAJ)
- Dimensions (WxDxH): 483 x 403 x 133mm (19"x15.9"x5.2")
- Weight: 30kg (66.1 lb)

