LYNX pro-audio

CULTURE OF SOUND

# AMPLIFIERS CATALOGUE

LATEST EDITION

# AMPLIFIERS

**GTX series** are 4-channels high power level amplifiers designed to the rough requirements of the touring market. It is remarkable their high efficiency.

These amplifiers have been equipped with a high quality 64 bit double-precision 96 kHz FIR-DSP and a large IPS display, capacitive touch panel user interface. Optional Dante™ Networking (AES67) and AES3 Digital inputs are available.

The **MP series** consists of high-output Class D amplifiers with a switching-mode power supply and PFC, designed for professional 2 and 4-channel installation and live applications. Developed for use with a wide range of high-performance loudspeakers, these units offer an exceptional power-to-size ratio, allowing for complete system configurations with only two amplifier models.

The **MH series** incorporates the second generation of high-efficiency Class H circuits. This series include two-channel amplifiers (MH-2) and four-channel amplifiers (MH-4), offering a wide power range and flexibility to match various speaker systems.

The **SBA series** has been designed with the aim of offering the proper and more reliable amp to users of very big subwoofers with no concessions. Their output performances (270V/70A) are more than needed to push your subs as far as their maximum limits accept.

With Subamp series you make sure that you will get the maximum output performances of your subwoofers.

**TS series** is a dynamic range of 100 V 4-channel mid/high power level amplifiers meticulously designed to meet the demands of the installation market. Both, high and low impedance loads can be connected, through their input and output Phoenix connectors and output level controlled via potentiometers on the rear panel.

The cost-effective **RS series** amplifiers are designed for professionals who demand quality, reliability and value.

RS amplifiers represent the best compromise between economy and performances, taking advantage of latest improvements in electronic assembly.

# GTX Amplifiers

GTX Series are 4-channels high power level amplifiers designed to the rough requirements of the touring market. It is remarkable their high efficiency.

These amplifiers have been equipped with a high quality 64 bit double-precision 96kHz FIR-DSP and a large IPS display, capacitive touch panel user interface.

In the design it has been implemented the advanced Audio Power Control Management to configure through the DSP how to sharing the power between the channels according to the user needs, having the possibility to obtain in just one channel the maximum power.

Optional Dante™ Networking (AES67) and AES3 Digital inputs are available for GTX amplifiers.

Dante®

| | GTX-5K | GTX-10K | GTX-14K | GTX-20K |
|---|---|---|---|---|
| **Output Power**<br>@ 2 Ohms<br>@ 4 Ohms<br>@ 8 Ohms<br><br>Bridge @ 4 Ohms<br>Bridge @ 8 Ohms<br><br>Hi-Z 100V<br>Hi-Z 70V | <br>4 x 1250 W<br>4 x 1250 W<br>4 x 1250 W<br><br>2 x 2500 W<br>2 x 2500 W<br><br>4 x 1250 W / 1 x 2500 W<br>4 x 1250 W / 1 x 1800 W | <br>4 x 2500 W<br>4 x 2500 W<br>4 x 1250 W<br><br>2 x 5000 W<br>2 x 5000 W<br><br>4 x 2500 W / 1 x 2500 W<br>4 x 2500 W / 1 x 2500 W | <br>4 x 3500 W<br>4 x 3500 W<br>4 x 1800 W<br><br>-<br>-<br><br>4 x 3500 W / 1 x 4200 W<br>4 x 2950 W / 1 x 2950 W | <br>4 x 5000 W<br>4 x 5000 W<br>4 x 2500W<br><br>-<br>-<br><br>4 x 5000 W / 1 x 5000 W<br>4 x 3500 W / 1 x 3500 W |
| **Frequency range** | 10Hz - 20000Hz +/- 1 dB @ 8 Ohm | | | |
| **Max output voltage** | 150 V peak | 150 V peak | 189 V peak | 235 V peak |
| **Max output current** | 36 A peak | 50 A peak | 59 A peak | 71 A peak |
| **Total harmonic distortion** | < 0.05% | | | |
| **Crosstalk (20 Hz-1 KHz) typical** | >70 dB | | | |
| **Voltage Gain** | 26 dB to 44 dB | | | |
| **SNR** | 111 dBA | 111 dBA | 113 dBA | 115 dBA |
| **Gain** | 35 dB | | | |
| **Required AC Mains**<br>Operating Voltage (50 - 60 Hz)<br>Power on Idling (@230V)<br>1/8 Rated Power (@4 Ohm) | <br>90V -265V AC<br><br>3.7 A | <br>90V -265V AC<br><br>7.3 A | <br>170V-265V AC<br>0.5 A<br>16 A | <br>90V -265V AC<br><br>14 A |
| **Dimensions**<br>W x H x D (mm)<br>W x H x D (inches) | 483 x 89 x 355<br>19 x 3.5 x 14 | | | |
| **Weight** | 7 Kg / 15.4 lbs | 7 Kg / 15.4 lbs | 9 Kg / 19.8 lbs | 9 Kg / 19.8 lbs |

# MP Amplifiers

The MP series are Class D amplifiers with a switching-mode power supply and PFC, designed for professional 2- and 4-channel installation and live applications.

Developed for use with a wide range of high-performance loudspeakers, the MP series, thanks to its high power output, allows for complete system configurations, offering versatility using only two amplifier models.

Thanks to its power factor correction system, it offers extremely low mains consumption and a wide operating range.

| | MP2-9000 | MP4-10000 |
|---|---|---|
| **Output Power**<br>@ 2 Ohms<br>@ 4 Ohms<br>@ 8 Ohms<br><br>Bridge @ 4 Ohms<br>Bridge @ 8 Ohms | <br>2 x 4500 W<br>2 x 4500 W<br>2 x 3000 W<br><br>1 x 9000 W<br>1 x 6000 W | <br>4 x 2500 W<br>4 x 2500 W<br>4 x 1500 W<br><br>2 x 5000 W<br>2 x 3000 W |
| **Frequency Range**<br>+/- 1 dB @ 8 Ohm | 20 Hz - 20 KHz | |
| **Total harmonic distortion**<br>@ 8Ω 1KHz | <0.5% | |
| **Crosstalk**<br>20 Hz - 1 KHz | >70 dB | |
| **Signal to Noise Ratio**<br>20Hz-20KHz | >110 dBA | |
| **Gain** | 32 dB to 41 dB | |
| **Input Impedance** | 20KΩ | |
| **Damping factor** | >5000 | |
| **Required AC Mains \| Operating Voltage**<br>50Hz-60Hz | 100V -260V AC | |
| **Rated Power Comp.**<br>230V, @4 Ohm | 2500 W | 2000 W |
| **Dimensions**<br>W x H x D (mm) | 483 x 482 x 45 | 483 x 482 x 45 |
| **Weight** | 13,2 Kg / 29,10 lbs | |
| **Protections** | Short-circuit, Auto limit, Over load, AC/DC protection | |

# MH Amplifiers

This MH amplifier become a working tool of great value, providing the user with the best solutions in the market with the highest level of accuracy and a host of features for the professional.

The MH series incorporates the second generation of high-efficiency Class H circuits. This series include two-channel amplifiers (MH-2) and four-channel amplifiers (MH-4), offering a wide power range and flexibility to match various speaker systems.

It features a 2.4-inch display that allows real-time monitoring of the amplifier's status. The optimised design ensures a higher signal-to-noise ratio, meeting the requirements of high-standard projects.

Additionally, it includes multiple protection systems against distortion of less than 0.5%, short circuits, voltage extremes, overload, overheating, and DC, ensuring natural and reliable sound.

| | MH2- 1500 | MH2- 3200 | MH4- 4000 | MH4- 5200 |
|---|---|---|---|---|
| **Output Power**<br>@ 2 Ohms<br>@ 4 Ohms<br>@ 8 Ohms<br><br>Bridge @ 4 Ohms<br>Bridge @ 8 Ohms | <br>2 x 900 W<br>2 x 750 W<br>2 x 600 W<br><br>1 x 1800 W<br>1 x 1500 W | <br>2 x 2200 W<br>2 x 1600 W<br>2 x 1000 W<br><br>1 x 4400 W<br>1 x 3200 W | <br>4 x 1300 W<br>4 x 1000 W<br>4 x 800 W<br><br>2 x 2600 W<br>2 x 2000 W | <br>4 x 1600 W<br>4 x 1300 W<br>4 x 1000 W<br><br>2 x 3200 W<br>2 x 2600 W |
| **Frequency Response**<br>Bandwidth ± 0.25dB | 20 Hz - 20 KHz | | | |
| **Phase response**<br>1 W 20Hz-20KHz | ±15 deg | | | |
| **Total harmonic distortion**<br>20 Hz-20 KHz | <0.05% | | | |
| **Damping factor**<br>20-500 Hz @8Ω | >700 | | | |
| **Crosstalk** 20 Hz - 1 KHz | >75 dB | | | |
| **Sensitivity**<br>Rated power | 0.775V / 1.0V / 1.44V | 0.775V / 1.0V / 1.44V | 0.775V / 1.0V / 1.44V | 0.775V / 1.0V / 1.44V |
| **Signal to Noise Ratio** | >100dB | | | |
| **Operating Voltage (50-60 Hz)** | 230V AC 50 Hz / 60 Hz | | | |
| **Dimensions**<br>W x H x D (mm) | 483 x 88 x 430/400 | | 483 x 88 x 500/470 | |
| **Weight** | 15,7 Kg | 19,5 Kg | 24,8 Kg | 25,5 Kg |
| **Protections** | Soft-start, Mute transient on/off, Overheating, DC, RF, Short circuit, Power overload | | | |

# SBA Amplifiers

The SBA series has been designed with the aim of offering the proper and more reliable amp to users of very big subwoofers with no concessions. Their output performances (270V/70A) are more than needed to push your subs as far as their maximum limits accept.

These 2-channels devices are based on the field proven Quanta Pulse™ Technology with an oversized dual high capacity regulated power supply with PFC to deliver their full performances independently of mains status, and an also oversized high efficiency audio power stage, forced front to back cooling through a component-free path with removable front panel dust filters, improved rugged mechanical design with even weight distribution. With Subamp series you make sure that you will get the maximum output performances of your subwoofers.

| | SBA-12000 | SBA-12004 | SBA-18000 |
|---|---|---|---|
| **Output Power**<br>@ 4 Ohms<br>@ 8 Ohms<br>Bridge @ 8 Ohms | <br>2 x 6000 W<br>2 x 3000 W<br>- | <br>4 x 2950 W<br>4 x 1550 W<br>2 x 5900 W | <br>2 x 9000 W<br>2 x 4500 W<br>- |
| Frequency Response<br>Power Bandwidth ± 0.25 dB | 20 Hz - 20 KHz | 20 Hz - 20 KHz | 20 Hz - 20 KHz |
| **Total Harmonic Distorsion**<br>20 Hz - 20 KHz | < 0.05% | < 0.05% | < 0.05% |
| **Intermodulation Distorsion**<br>SMPTE | < 0.05% | < 0.05% | < 0.05% |
| **Damping factor**<br>20-500Hz @ 8 Ohms | >500 | >500 | >500 |
| **Crosstalk**<br>20 Hz - 1 KHz, typical | >70 dB | >70 dB | >70 dB |
| **Voltage Gain**<br>Selectable | 32 / 38 / 44 dB | 32 / 38 / 44 dB | 32 / 38 / 44 dB |
| **Sensitivity**<br>Rated Power<br>(32/38/44 dB Gain) | 3.9/1.9/1 V | 2.8/1.4/0.7V | 4.7/2.4/1.2V |
| **Signal to Noise Radio**<br>20HZ-20KHz | 116 dB | 116 dB | 116 dB |
| **Required AC Mains**<br>Operating Voltage (50 - 60 Hz)<br>Power on Idling (@230V)<br>1/8 Rated Power (@4 Ohm) | <br>90V-265V AC<br>0.5 A<br>14 A | <br>90V-265V AC<br>0.5 A<br>13 A | <br>170V-265V AC<br>0.5 A<br>16 A |
| **Dimensions**<br>W x H x D (mm)<br>W x H x D (inches) | <br>483 × 88.9 × 460<br>19 x 3.5 x 18.1 | <br>483 × 88.9 × 460<br>19 x 3.5 x 18.1 | <br>483 × 88.9 × 460<br>19 x 3.5 x 18.1 |
| **Weight** | 12 Kg / 26.5 lbs | 12 Kg / 26.5 lbs | 12 Kg / 26.5 lbs |
| **Protections** | Soft-start, Turn-on Turn-off transients, Over-heating, DC, RF, Short-circuit, Open or mismatched loads, ICL™, PMS™ and SSP™ | | |

# TS Amplifiers

TS Series is a dynamic range of 100 V 4-channel mid/high power level amplifiers meticulously designed to meet the demands of the installation market. Both, high and low impedance loads can be connected, through their input and output Phoenix connectors and output level controlled via potentiometers on the rear panel.

These amplifiers have multiple configuration possibilities such as bridge mode, subsonic filter, channel power limiter and signal link among others, in order to meet the needs of any installation. These devices also can be equipped with a GPIO connection to communicate with a third party control system. With all these configurations TS amplifiers can meet the power requirements of any installation from 300 up to 2500 W.

Optional Dante™ Networking.

Dante®

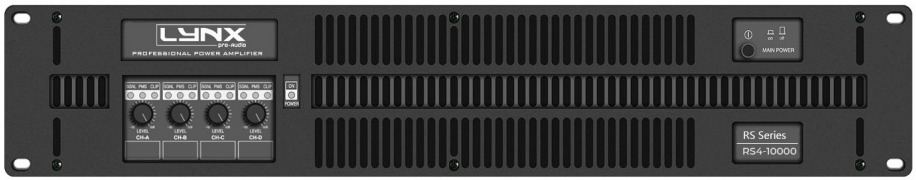
| | TS-2500 | TS-5000 | TS-10000 |
|---|---|---|---|
| **Number of channels** | 4 | 4 | 4 |
| **Total output power** | 2500 W | 5000 W | 10000 W |
| **Output power**<br>@ 2 Ohms<br>@ 2.67 Ohms<br>@ 4 Ohms<br>@ 8 Ohms<br><br>@ 4 Ohms Bridged<br>@ 8 Ohms Bridged<br><br>Hi-Z 100 V<br>Hi-Z 70 V | <br>4 x 312 / 1 x 312 W<br>4 x 430 / 1 x 430 W<br>4 x 625 / 1 x 625 W<br>4 x 625 / 1 x 1250 W<br><br>2 x 625 W<br>2 x 1250 W<br><br>4 x 625 / 1 x 1250 W<br>4 x 625 / 1 x 900 W | <br>4 x 1250 / 1 x 1250 W<br>4 x 1250 / 1 x 1700 W<br>4 x 1250 / 1 x 2500 W<br>4 x 1250 / 1 x 1250 W<br><br>2 x 5000 W<br>2 x 5000 W<br><br>4 x 1250 / 1 x 2500 W<br>4 x 1250 / 1 x 1800 W | <br>4 x 2500 / 1 x 2500 W<br>4 x 2500 / 1 x 3330 W<br>4 x 2500 / 1 x 2500 W<br>4 x 1250 / 1 x 1300 W<br><br>2 x 5000 W<br>2 x 5000 W<br><br>4 x 2500 / 1 x 2500 W<br>4 x 2500 / 1 x 2500 W |
| **Max output voltage** | 150 V peak | 150 V peak | 150 V peak |
| **Max output current** | 18 A peak | 36 A peak | 50 A peak |
| **Total Harmonic Distortion** | <0.05% | | |
| **Crosstalk/ 2 Khz-1KHz, typical** | >70 dB | | |
| **Voltage Gain** | 26 dB to 44 dB | | |
| **SNR** | 100 V-240 V AC, 50 Hz-60 Hz (Operating: 90V-265V AC) | | |
| **Required AC Mains**<br>Operating Voltage (50 Hz - 60 Hz)<br>1/8 Rated Power (@230V, 4 Ohms) | 2.1 A / 420 W<br>3.6 A / 783 W<br>0.7 A / 85 W | 3.7 A / 840 W<br>7.2 A / 1556 W<br>0.7 A / 85 W | 7.3 A / 1680 W<br>314.3A / 3132 W<br>0.7 A / 85 W |
| **Thermal Dissipation (1/8 rated power 4ohm)** | 328 BTU/h | 655 BTU/h | 1310 BTU/h |
| **Dimensions**<br>W x H x D (mm) (inches) | 483 x 89 x 342 mm / 19 x 3.5 x 13.5 in | | |
| **Weight** | 7 Kg - 15.4 lbs | | |
| **Protections** | Soft-start, Turn-on Turn-off transients, Over-heating, DC, RF, Short-circuit, Open or mismatched loads, ICL™, PMS™ and SSP™ | | |

The cost-effective RS Series amplifiers are designed for professionals who demand quality, reliability and value. RS amplifiers represent the best compromise between economy and performances, taking advantage of latest improvements in electronic assembly.

# RS2 Series

| | RS2-1000 | RS2-1500 | RS2-2000 | RS2-3600 |
|---|---|---|---|---|
| **Output Power**<br>@ 2 Ohms<br>@ 4 Ohms<br>@ 8 Ohms<br>Bridge @ 4 Ohms<br>Bridge @ 8 Ohms | <br>2 x 500 W<br>2 x 400 W<br>2 x 240 W<br><br>1000 W<br>800 W | <br>2 x 750 W<br>2 x 700 W<br>2 x 450 W<br><br>1500 W<br>1400 W | <br>2 x 1000 W<br>2 x 1000 W<br>2 x 650 W<br><br>2000 W<br>2000 W | <br>2 x 1800 W<br>2 x 1750 W<br>2 x 950 W<br><br>3600 W<br>3500 W |
| **Frequency Response** | 20 Hz - 20 KHz | | | |
| **Phase response** | ±15 deg | | | |
| **Total harmonic distortion** | <0.05% | | | |
| **Intermodulation Distortion SMPTE** | <0.05% | | | |
| **Damping factor**<br>20-500 Hz @8Ω | >500 | | | |
| **Crosstalk** 20Hz - 1KHz | >75 dB | | | |
| **Gain** | 35 dB | | | |
| **Sensitivity**<br>Rated Power<br>(26/32/38dB Gain) | 0.8 V | 1.1 V | 1.3 V | 1.6 V |
| **Signal to Noise Ratio** | 101 dBA | 103 dBA | 104 dBA | 105 dBA |
| **Operating Voltage (50-60Hz)**<br>Power on Idling (@ 230V)<br>1/8 Rated Power (@ 4 Ohm) | 170V -265V AC<br>0.5 A<br>3.5 A | 70V-265V AC<br>0.5 A<br>4 A | 170V -265V AC<br>0.5 A<br>5 A | 170V -265V AC<br>0.5 A<br>10 A |
| **Dimensions**<br>W x H x D (mm)<br>W x H x D (inches) | 483 x 88.9 x 254<br>19 x 3.5 x 10 | | | |
| **Weight** | 5 Kg / 11 lbs | 5 Kg / 11 lbs | 6 Kg / 13 lbs | 6 Kg / 13 lbs |
| **Protections** | Soft-start, Turn-on Turn-off transients, Over-heating, DC, RF, Short-circuit, Open or mismatched loads, ICL™, PMS™ and SSP™ | | | |

# RS4 Series




| | RS4-2000 | RS4-4000 | RS4-6000 | RS4-10000 |
|---|---|---|---|---|
| **Output Power**<br>@ 2 Ohms<br>@ 4 Ohms<br>@ 8 Ohms<br>Bridge @ 4 Ohms<br>Bridge @ 8 Ohms<br>High Z<br>70V RMS / 100V Peak<br>100V RMS / 140V Peak | <br>4 x 500 W<br>4 x 400 W<br>4 x 220 W<br>2 x 1000 W<br>2 x 800 W<br><br><br>2 x 900 W<br>- | <br>4 x 500 W<br>4 x 400 W<br>4 x 220 W<br>2 x 1000 W<br>2 x 800 W<br><br><br>2 x 900 W<br>- | <br>4 x 1450 W<br>4 x 1500 W<br>4 x 1100 W<br>2 x 2900 W<br>2 x 3000 W<br><br><br>4 x 1500 W<br>4 x 800 W | <br>4 x 2500 W<br>4 x 2500 W<br>4 x 1400 W<br>2 x 5000 W<br>2 x 5000 W<br><br><br>-<br>- |
| **Frequency Response** | 20 Hz - 20 KHz | | | |
| **Phase response** | >500 | | | |
| **Total harmonic distortion** | <0.05% | | | |
| **Intermodulation Distortion SMPTE** | <0.05% | | | |
| **Damping factor** 20-500 Hz @8Ω | >500 | | | |
| Crosstalk 20Hz - 1KHz | >75 dB | | | |
| **Gain** | 35 dB | 35 dB | 26 - 40 dB | 26 - 40 dB |
| **Sensitivity**<br>Rated Power (26/32/38dB Gain) | 0.8 V | 1.3 V | 4.7 to 0.9 V | 5.3 - 1.1 V |
| **Signal to Noise Ratio** | 101 dBA | 104 dBA | 106 dBA | 107.5 dBA |
| **Operating Voltage (50-60Hz)**<br><br>Power on Idling (@ 230V)<br>1/8 Rated Power (@ 4 Ohm) | 170V -265V AC/ 90V – 140V AC<br><br>0.5 A<br>7 A | 170V -265V AC/ 90V – 140V AC<br><br>0.5 A<br>10 A | 170V -265V AC/ 90V – 140V AC<br><br>0.5 A<br>15 A | 170V -265V AC/ 90V – 140V AC<br><br>0.5 A<br>16 A |
| **Dimensions**<br>W x H x D (mm)<br>W x H x D (inches) | 483 x 88.9 x 254 | | 483 x 89 x 320<br>19 x 3.5 x 12.6 | 483 x 88.9 x 274<br>19 x 3.5 x 10.8 |
| **Weight** | 6.5 Kg / 14.3 lbs | 5 Kg / 11 lbs | 6 Kg / 13 lbs | 6 Kg / 13 lbs |
| **Protections** | Soft-start, Turn-on Turn-off transients, Over-heating, DC, RF, Short-circuit, Open or mismatched loads, ICL™, PMS™ and SSP™ | | | |

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