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.

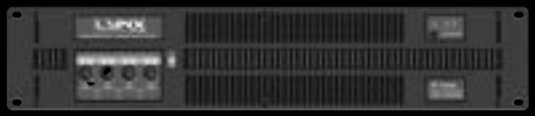
The **MP series** consists of high-output Class D amplifiers with a switching-mode power supply and PFC, designed for professional 2 and 4-channel installation and live applications. Developed for use with a wide range of high-performance loudspeakers, these units offer an exceptional power-to-size ratio, 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 @ 2 Ohms @ 4 Ohms @ 8 Ohms Bridge @ 4 Ohms Bridge @ 8 Ohms Hi-Z 100V Hi-Z 70V	 4 x 1250 W 4 x 1250 W 4 x 1250 W 2 x 2500 W 2 x 2500 W 4 x 1250 W / 1 x 2500 W 4 x 1250 W /1 x 1800 W	 4 x 2500 W 4 x 2500 W 4 x 1250 W 2 x 5000 W 2 x 5000 W 4 x 2500 W / 1 x 2500 W 4 x 2500 W / 1 x 2500 W	 4 x 3500 W 4 x 3500 W 4 x 1800 W - - 4 x 3500 W / 1 x 4200 W 4 x 2950 W / 1 x 2950 W	 4 x 5000 W 4 x 5000 W 4 x 2500W - - 4 x 5000 W / 1 x 5000 W 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 Operating Voltage (50 - 60 Hz) Power on Idling (@230V) 1/8 Rated Power (@4 Ohm)	 90V -265V AC 3.7 A	 90V -265V AC 7.3 A	 170V-265V AC 0.5 A 16 A	 90V -265V AC 14 A
Dimensions W x H x D (mm) W x H x D (inches)	483 x 89 x 355 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 @ 2 Ohms @ 4 Ohms @ 8 Ohms Bridge @ 4 Ohms Bridge @ 8 Ohms	 2 x 4500 W 2 x 4500 W 2 x 3000 W 1 x 9000 W 1 x 6000 W	 4 x 2500 W 4 x 2500 W 4 x 1500 W 2 x 5000 W 2 x 3000 W
Frequency Range +/- 1 dB @ 8 Ohm	20 Hz - 20 KHz	
Total harmonic distortion @ 8Ω 1KHz	<0.5%	
Crosstalk 20 Hz - 1 KHz	>70 dB	
Signal to Noise Ratio 20Hz-20KHz	>110 dBA	
Gain	32 dB to 41 dB	
Input Impedance	20KΩ	
Damping factor	>5000	
Required AC Mains | Operating Voltage 50Hz-60Hz	100V -260V AC	
Rated Power Comp. 230V, @4 Ohm	2500 W	2000 W
Dimensions 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 @ 2 Ohms @ 4 Ohms @ 8 Ohms Bridge @ 4 Ohms Bridge @ 8 Ohms	 2 x 900 W 2 x 750 W 2 x 600 W 1 x 1800 W 1 x 1500 W	 2 x 2200 W 2 x 1600 W 2 x 1000 W 1 x 4400 W 1 x 3200 W	 4 x 1300 W 4 x 1000 W 4 x 800 W 2 x 2600 W 2 x 2000 W	 4 x 1600 W 4 x 1300 W 4 x 1000 W 2 x 3200 W 2 x 2600 W
Frequency Response Bandwidth ± 0.25dB	20 Hz - 20 KHz			
Phase response 1 W 20Hz-20KHz	±15 deg			
Total harmonic distortion 20 Hz-20 KHz	<0.05%			
Damping factor 20-500 Hz @8Ω	>700			
Crosstalk 20 Hz - 1 KHz	>75 dB			
Sensitivity 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 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 @ 4 Ohms @ 8 Ohms Bridge @ 8 Ohms	2 x 6000 W 2 x 3000 W -	4 x 2950 W 4 x 1550 W 2 x 5900 W	2 x 9000 W 2 x 4500 W -
Frequency Response Power Bandwidth ± 0.25 dB	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 KHz
Total Harmonic Distorsion 20 Hz - 20 KHz	< 0.05%	< 0.05%	< 0.05%
Intermodulation Distorsion SMPTE	< 0.05%	< 0.05%	< 0.05%
Damping factor 20-500Hz @ 8 Ohms	>500	>500	>500
Crosstalk 20 Hz - 1 KHz, typical	>70 dB	>70 dB	>70 dB
Voltage Gain Selectable	32 / 38 / 44 dB	32 / 38 / 44 dB	32 / 38 / 44 dB
Sensitivity Rated Power (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 20HZ-20KHz	116 dB	116 dB	116 dB
Required AC Mains Operating Voltage (50 - 60 Hz) Power on Idling (@230V) 1/8 Rated Power (@4 Ohm)	90V-265V AC 0.5 A 14 A	90V-265V AC 0.5 A 13 A	170V-265V AC 0.5 A 16 A
Dimensions W x H x D (mm) W x H x D (inches)	483 × 88.9 × 460 19 x 3.5 x 18.1	483 × 88.9 × 460 19 x 3.5 x 18.1	483 × 88.9 × 460 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.

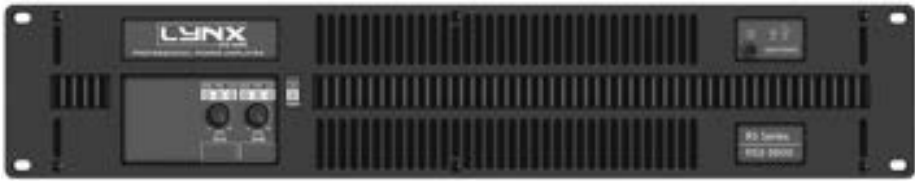
Optional Dante™ Networking.

Dante

	TS-2500	TS-5000	TS-10000
Number of channels	4	4	4
Total output power	2500 W	5000 W	10000 W
Output power @ 2 Ohms @ 2.67 Ohms @ 4 Ohms @ 8 Ohms @ 4 Ohms Bridged @ 8 Ohms Bridged Hi-Z 100 V Hi-Z 70 V	4 x 312 / 1 x 312 W 4 x 430 / 1 x 430 W 4 x 625 / 1 x 625 W 4 x 625 / 1 x 1250 W 2 x 625 W 2 x 1250 W 4 x 625 / 1 x 1250 W 4 x 625 / 1 x 900 W	4 x 1250 / 1 x 1250 W 4 x 1250 / 1 x 1700 W 4 x 1250 / 1 x 2500 W 4 x 1250 / 1 x 1250 W 2 x 5000 W 2 x 5000 W 4 x 1250 / 1 x 2500 W 4 x 1250 / 1 x 1800 W	4 x 2500 / 1 x 2500 W 4 x 2500 / 1 x 3330 W 4 x 2500 / 1 x 2500 W 4 x 1250 / 1 x 1300 W 2 x 5000 W 2 x 5000 W 4 x 2500 / 1 x 2500 W 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 Operating Voltage (50 Hz - 60 Hz) 1/8 Rated Power (@230V, 4 Ohms)	2.1 A / 420 W 3.6 A / 783 W 0.7 A / 85 W	3.7 A / 840 W 7.2 A / 1556 W 0.7 A / 85 W	7.3 A / 1680 W 314.3A / 3132 W 0.7 A / 85 W
Thermal Dissipation (1/8 rated power 4ohm)	328 BTU/h	655 BTU/h	1310 BTU/h
Dimensions 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 @ 2 Ohms @ 4 Ohms @ 8 Ohms Bridge @ 4 Ohms Bridge @ 8 Ohms	 2 x 500 W 2 x 400 W 2 x 240 W 1000 W 800 W	 2 x 750 W 2 x 700 W 2 x 450 W 1500 W 1400 W	 2 x 1000 W 2 x 1000 W 2 x 650 W 2000 W 2000 W	 2 x 1800 W 2 x 1750 W 2 x 950 W 3600 W 3500 W
Frequency Response	20 Hz - 20 KHz			
Phase response	±15 deg			
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			
Sensitivity Rated Power (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) Power on Idling (@ 230V) 1/8 Rated Power (@ 4 Ohm)	170V -265V AC 0.5 A 3.5 A	70V-265V AC 0.5 A 4 A	170V -265V AC 0.5 A 5 A	170V -265V AC 0.5 A 10 A
Dimensions W x H x D (mm) W x H x D (inches)	483 x 88.9 x 254 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 @ 2 Ohms @ 4 Ohms @ 8 Ohms Bridge @ 4 Ohms Bridge @ 8 Ohms High Z 70V RMS / 100V Peak 100V RMS / 140V Peak	 4 x 500 W 4 x 400 W 4 x 220 W 2 x 1000 W 2 x 800 W 2 x 900 W -	 4 x 500 W 4 x 400 W 4 x 220 W 2 x 1000 W 2 x 800 W 2 x 900 W -	 4 x 1450 W 4 x 1500 W 4 x 1100 W 2 x 2900 W 2 x 3000 W 4 x 1500 W 4 x 800 W	 4 x 2500 W 4 x 2500 W 4 x 1400 W 2 x 5000 W 2 x 5000 W - -
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 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) Power on Idling (@ 230V) 1/8 Rated Power (@ 4 Ohm)	170V -265V AC/ 90V – 140V AC 0.5 A 7 A	170V -265V AC/ 90V – 140V AC 0.5 A 10 A	170V -265V AC/ 90V – 140V AC 0.5 A 15 A	170V -265V AC/ 90V – 140V AC 0.5 A 16 A
Dimensions W x H x D (mm) W x H x D (inches)	483 x 88.9 x 254		483 x 89 x 320 19 x 3.5 x 12.6	483 x 88.9 x 274 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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