



AMPLIFIERS **CATALOGUE**

Latest edition

Proudly designed, engineered and
manufactured in SPAIN

LYNX
pro-audio

CULTURE OF SOUND



Amplifiers



SBA amplifiers

The Subamp series (SBA) 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.



HPX amplifiers

The HPX series feature four channel models, ready for rough handling in the touring world.

They are at the forefront of audio design, offering a powerful, reliable and lightweight amplifier designed to deliver superior sound quality for your touring gigs.

HPX-12000 available with DSP.



RS amplifiers

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.



XT amplifiers

The XT series is a new generation of amplifiers offering high voltage output for high headroom sound, with 64 bit double-precision 96kHz DSP processing, and an advanced power management to squeeze the last watts out of your speakers.

The XT series has digital control with an extra large IPS display and touch screen panel user interface, making it easier and faster to use.

HPX Series

DSP available

Technical Data



New generation of professional touring amplifiers offering from 4600 to 12000 watts. The HPX series feature four channel models, ready for rough handling in the touring world.

They are at the forefront of audio design, offering a powerful, reliable and lightweight amplifier designed to deliver superior sound quality for your touring gigs.

	HPX-4600	HPX-8800	HPX-6400	HPX-12000 DSP available
Output Power				
@ 2 Ohms	4 x 2260 W	---	4 x 3025 W	---
@ 4 Ohms	4 x 1150 W	4 x 2200 W	4 x 1600 W	4 x 2950 W
@ 8 Ohms	4 x 600 W	4 x 1150 W	4 x 820 W	4 x 1550 W
Bridge @ 4 Ohms	2 x 4520 W	---	2 x 6050 W	---
Bridge @ 8 Ohms	2 x 2300 W	2 x 4400 W	2 x 3200 W	2 x 5900 W
Frequency Response				
Power Bandwidth ± 0.25 dB	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 KHz
Phase Response				
@ 1 W 20 Hz - 20 KHz	± 15 deg	± 15 deg	± 15 deg	± 15 deg
Total Harmonic Distortion				
20 Hz - 20 KHz	<0.05%	<0.05%	<0.05%	<0.05%
Intermodulation Distortion				
SMPTÉ	<0.05%	<0.05%	<0.05%	<0.05%
Damping Factor				
20 - 500 Hz @ 8 Ohms	>500	>500	>500	>500
Crosstalk				
20 Hz - 1 KHz	>80 dB	>80 dB	>80 dB	>80 dB
Voltage Gain	26 dB to 38 dB	26 dB to 38 dB	26 dB to 38 dB	26 dB to 38 dB
Sensitivity				
Rated Power(26/32/38 dB Gain)	3.5/1.7/0.9 V	4.8/2.4/1.2 V	4.1/2/1 V	5.6/2.8/1.4 V
Signal to Noise Ratio				
20 Hz - 20 KHz	112 dB	115 dB	113 dB	116 dB
Required AC Mains				
Operating Voltage (50 Hz - 60 Hz)	170V-265V AC	170V-265V AC	170V-265V AC	170V-265V AC
Power on Idling (@230V)	0.5 A	0.5 A	0.5 A	0.5 A
1/8 Rated Power (@230 min.Z)	11 A	10 A	14 A	13 A
Dimensions				
W x H x D (mm)	483 x 89 x 460	483 x 89 x 460	483 x 89 x 460	483 x 89 x 460
W x H x D (inches)	19 x 3.5 x 18.1	19 x 3.5 x 18.1	19 x 3.5 x 18.1	19 x 3.5 x 18.1
Weight	12 Kg / 26.5 lbs	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™. DSP available.			

More info at www.lynxproaudio.com

RS2 Series

Technical Data



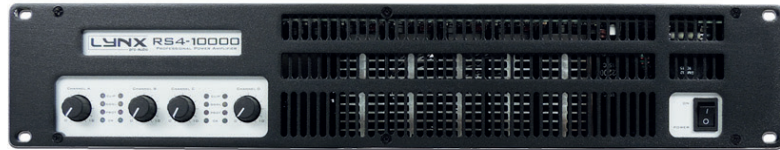
The cost-effective RS Series amplifiers are designed for professionals who demand quality, reliability and value.

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

	RS2-1000	RS2-1500	RS2-2000	RS2-3600
Output Power @ 2 Ohms	2 x 500 W	2 x 750 W	2 x 1000 W	2 x 1800 W
@ 4 Ohms	2 x 400 W	2 x 700 W	2 x 1000 W	2 x 1750 W
@ 8 Ohms	2 x 240 W	2 x 450 W	2 x 650 W	2 x 950 W
Bridge @ 4 Ohms	1000 W	1500 W	2000 W	3600 W
Bridge @ 8 Ohms	800 W	1400 W	2000 W	3500 W
Frequency Response Power Bandwidth ± 0.25 dB	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 KHz
Phase Response @ 1 W 20 Hz - 20 KHz	±15 deg	±15 deg	±15 deg	±15 deg
Total Harmonic Distortion 20 Hz - 20 KHz	<0.05%	<0.05%	<0.05%	<0.05%
Intermodulation Distortion SMPTE	<0.05%	<0.05%	<0.05%	<0.05%
Damping Factor 20 - 500 Hz @ 8 Ohms	>500	>500	>500	>500
Crosstalk 20 Hz - 1 KHz	>75 dB	>75 dB	>75 dB	>75 dB
Voltage Gain	35 dB	35 dB	35 dB	35 dB
Sensitivity Rated Power(26/32/38 dB Gain)	0.8 V	1.1 V	1.3 V	1.6 V
Signal to Noise Ratio 20 Hz - 20 KHz	101 dBA	103 dBA	104 dBA	105 dBA
Required AC Mains Operating Voltage (50 Hz - 60 Hz)	170V-265V AC	170V-265V AC	170V-265V AC	170V-265V AC
Power on Idling (@230V)	0.5 A	0.5 A	0.5 A	0.5 A
1/8 Rated Power (@4 Ohm)	3.5 A	4 A	5 A	10 A
Dimensions W x H x D (mm)	483 x 88.9 x 254	483 x 88.9 x 254	483 x 88.9 x 254	483 x 88.9 x 254
W x H x D (inches)	19 x 3.5 x 10	19 x 3.5 x 10	19 x 3.5 x 10	19 x 3.5 x 10
Weight	5 Kg / 11 lbs	5 Kg / 11 lbs	5 Kg / 11 lbs	5 Kg / 11 lbs
Protections	Soft-start, Turn-on Turn-off transients, Over-heating, DC, RF, Short-circuit, Open or mismatched loads, ICL™, PMST™ and SSP™			

RS4 Series

Technical Data



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.

	RS4-2000	RS4-3000	RS4-4000	RS4-6000	RS4-10000
Output Power					
@ 2 Ohms	4 x 500 W	4 x 750 W	4 x 1000 W	4 x 1450 W	4 x 2500 W
@ 4 Ohms	4 x 400 W	4 x 700 W	4 x 1000 W	4 x 1500 W	4 x 2500 W
@ 8 Ohms	4 x 220 W	4 x 450 W	4 x 630 W	4 x 1100 W	4 x 1400 W
Bridge @ 4 Ohms	2 x 1000 W	2 x 1500 W	2 x 2000 W	2 x 2900 W	2 x 5000 W
Bridge @ 8 Ohms	2 x 800 W	2 x 1400 W	2 x 2000 W	2 x 3000 W	2 x 5000 W
70V rms / 100V peak	2 x 900 W	-	4 x 700 W	4 x 1500 W	-
100V rms / 140V peak	-	2 x 1400 W	-	4 x 800 W	-
Frequency Response					
Power Bandwidth ± 0.25 dB	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 KHz	20 Hz - 20 KHz
Phase Response					
@ 1 W 20 Hz - 20 KHz	±15 deg	±15 deg	±15 deg	±15 deg	±15 deg
Total Harmonic Distortion					
20 Hz - 20 KHz	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%
Intermodulation Distortion SMPTE	<0.05%	<0.05%	<0.05%	<0.05%	<0.05%
Damping Factor					
20 - 500 Hz @ 8 Ohms	>500	>500	>500	>500	>500
Crosstalk					
20 Hz - 1 KHz	>75 dB	>75 dB	>75 dB	>75 dB	>75 dB
Voltage Gain	35 dB	35 dB	35 dB	26 - 40 dB	26 - 40 dB
Sensitivity					
Rated Power (26/32/38 dB Gain)	0.8 V	1.1 V	1.3 V	4.7 V - 0.9 V	5.6 V - 1.1 V
Signal to Noise Ratio					
20 Hz - 20 KHz	101 dBA	103 dBA	104 dBA	106 dB	107.5 dBA
Required AC Mains					
Operating Voltage (50 Hz - 60 Hz)	170V -265V AC / 90V -140V AC	170V -265V AC / 90V -140V AC	170V -265V AC / 90V -140V AC	170V -265V AC / 90V -140V AC	170V -265V AC / 90V -140V AC
Power on Idling (@230V)	0.5 A	0.5 A	0.5 A	0.5 A	0.5 A
1/8 Rated Power (@4 Ohm)	7 A	8 A	10 A	15 A	16 A
Dimensions W x H x D (mm)	483 x 88.9 x 254	483 x 88.9 x 254	483 x 88.9 x 254	483 x 89 x 320	483 x 88.9 x 274
W x H x D (inches)	19 x 3.5 x 10	19 x 3.5 x 10	19 x 3.5 x 10	19 x 3.5 x 12.6	19 x 3.5 x 10.8
Weight	6.5 Kg / 14.3 lbs	6.5 Kg / 14.3 lbs	6.5 Kg / 14.3 lbs	8.5 Kg / 18.7 lbs	8 Kg / 17.6 lbs
Protections	Soft-start, Turn-on Turn-off transients, Over-heating, DC, RF, Short-circuit, Open or mismatched loads, ICL™, PMS™ and SSP™				

SBA Series

Technical Data



The Subamp series (SBA) has been designed with the aim of offering a dedicated, powerful, reliable amp for users of big subwoofers. Their output performance (270V/70A) is more than needed so you can push your subs as far as their maximum limits allow.

These 2-channels devices are based on field proven Quanta Pulse™ Technology with an oversized dual high capacity regulated PFC power supply which delivers full performance independently of mains status. Other features include an 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 and an even weight distribution.

With the Subamp series you can guarantee maximum output performance for your subwoofers.

	SBA-12000	SBA-18000
Output Power @ 4 Ohms @ 8 Ohms	2 x 6000 W 2 x 3000 W	2 x 9000 W 2 x 4500 W
Frequency Response Power Bandwidth ± 0.25 dB	20 Hz - 20 KHz	20 Hz - 20 KHz
Phase Response @ 1 W 20 Hz - 20 KHz	±15 deg	±15 deg
Total Harmonic Distortion 20 Hz - 20 KHz	<0.05%	<0.05%
Intermodulation Distortion SMPTE	<0.05%	<0.05%
Damping Factor 20 - 500 Hz @ 8 Ohms	>500	>500
Crosstalk 20 Hz - 1 KHz	>80 dB	>80 dB
Voltage Gain	32 / 38 / 44 dB	32 / 38 / 44 dB
Sensitivity Rated Power(26/32/38 dB Gain)	3.9/1.9/1 V	4.7/2.4/1.2 V
Signal to Noise Ratio 20 Hz - 20 KHz	116 dB	118 dB
Required AC Mains Operating Voltage (50 Hz - 60 Hz) Power on Idling (@230V) 1/8 Rated Power (@4 Ohm)	90V-265V AC 0.5 A 14 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
Weight	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™	



XT series is a new generation of amplifiers that offer a high voltage output, with a powerful 96 KHz and double-precision 64 bits DSP. These amplifiers are ideal for touring and install applications.

Based on a switching mode power supply with an innovative Class H 3 steps topology, these amplifiers work with high voltages and offer superb dynamics. They also include a completely new PMS™ system, with protection both on the power supply and the audio modules, working in real time to make sure all the variables are secure.

All these features make these amplifiers ideal for working with asymmetric loads and provide maximum power for each audio system. XT amplifiers are suitable for the most demanding applications offering the best reliability.

The XT amplifiers have a user interface with an extra-large 4.3" IPS touch panel, making it easier and faster to use. From this panel you can control and manage each parameter of the amplifier and choose among the system presets, users, EQ and created snapshots.

	XT-6K	XT-10K
Number of channels	4	4
Total output power	6000 W	10000 W
Output power @ 8 Ohms	4 x 1100 W 1 x 1200 W	4 x 1600 W 1 x 1800 W
@ 4 Ohms	4 x 1500 W 1 x 1900 W	4 x 2500 W 1 x 3000 W
@ 2 Ohms	4 x 1450 W 1 x 1450 W	4 x 2500 W 1 x 2500 W
@ 8 Ohms Bridged	2 x 3000W	2 x 5000 W
@ 4 Ohms Bridged	2 x 2900 W	2 x 5000 W
Hi-Z 100 V	4 x 800 W	4 x 2500 W
Hi-Z 70 V	4 x 1500 W	2 x 2500 W
Max output voltage	144 V peak	176 V peak
Max output current	38 A peak	50 A peak
Total Harmonic Distortion		<0.05%
Voltage Gain	26 dB to 44 dB (1 dB step)	
SNR	106 dB	107.5 dB
Required AC Mains		
Operating Voltage (50 Hz - 60 Hz)	170V – 265V AC / 90V – 140V AC	170V – 265V AC / 90V – 140V AC
1/8 Rated Power (@230V, 4 Ohms)	15 A	16 A
Dimensions		
W x H x D (mm)	483x89x320	483x89x320
W x H x D (inches)	19 x 3.5 x 12.5	19 x 3.5 x 12.5
Weight	8.5 Kg / 18.7 lbs	8.5 Kg / 18.7 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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