

# LRx 1.1k

**1090W Power Amplifier**  
Mono Power Amplifier with crossover

ideato,  
progettato,  
costruito  
in Italia



## Power Supply

<b>Power supply voltage:</b>	11 ÷ 15 VDC
<b>Idling current:</b>	1.8 A
<b>Idling current when off:</b>	0.02 mA
<b>Consumption @ 14.4 VDC (Max Musical Power):</b>	75 A

## Amplifier stage

<b>Distorsion - THD (1 kHz @ 4Ω):</b>	0.04%
<b>Bandwidth (-3 dB):</b>	4 ÷ 80k Hz
<b>S/N Ratio (A weighted @ 1V):</b>	100 dB
<b>Damping factor (1 kHz @ 4Ω):</b>	200
<b>Input sensitivity:</b>	0.3 ÷ 5 VRMS
<b>Input impedance:</b>	15 kΩ
<b>Speaker-In sensitivity:</b>	1.4 ÷ 24 VRMS
<b>Speaker-In impedance:</b>	5 kΩ
<b>Load impedance (MIN):</b>	1Ω
<b>NOMINAL OUTPUT POWER (RMS) NP @ 12VDC, THD 0.3%:</b>	350 W (4Ω)

<b>OUTPUT POWER (RMS) @ 14.4 VDC, THD 1%:</b>	
• 1 Ch	420 W x 1 (4Ω)
• 1 Ch	800 W x 1 (2Ω)
• 1 Ch	1090 W x 1 (1Ω)

## CEA 2006-A RATINGS

**OUTPUT Power (4Ω, ≤1% THD+N, 14.4 Volts):** 420 W x 1

**S/N ratio (ref. 1W output):** 80 dBA



## Other functions

<b>Remote In:</b>	7 ÷ 15 VDC - 1 mA
<b>Remote Out:</b>	12 VDC - 50 mA
<b>Speaker On:</b>	Amp ON with amplified signal
<b>Fuse (AFS):</b>	80 A
<b>REMOTE SUB VOLUME:</b>	Active with Lo-pass 24dB L+R
<b>Adjustment:</b>	+5 ÷ -5dB

## Inputs/Outputs

<b>Input:</b>	Pre/Speaker
<b>Output:</b>	Pre/Speaker
<b>Out Filtered:</b>	Pre

**LRx 1.1k** is a mono amplifier which can work even with impossible loads, such as the subwoofer section of very high sound pressure level systems. Its reduced size conceals extraordinary energy reserve. The amplifier is a technology concentrate, with the innovative ECI input signals handling and special functions like subwoofer volume remote control. More than 1000 W (RMS) into 1 ohm, controlled by AMP, the exclusive microprocessor circuit, can meet any current demands. Power, control and outstanding final stages are necessary to unbelievable bass and extraordinary musical quality on the whole frequency range.

Config.	AMP	PRE OUT
1	Full	Full
2	Full	Hi-pass
3	Full	Lo-pass 24 dB
4	Hi-pass	Full
5	Hi-pass	Hi-pass
6	Hi-pass	Lo-pass 24 dB
7	Lo-pass 24 dB	Full
8	Lo-pass 24 dB	Hi-pass
9	Lo-pass 24 dB	Lo-pass 24 dB

## Filters configuration

You can independently select a bypass, hi-pass or lo-pass filter to be applied to the amplifier and to PRE OUT output. If the amplifier and the PRE OUT output are configured in the same way, both will output the same signal and cut-off frequency selected.

## Inputs configuration

When the INPUT signal is stereo, you will have a stereo signal in PRE OUT and BYPASS outputs. Since the amplifier is mono, a Mix L+R will act on the amplified output. If you use a mono signal as input, the same signal will be output to PRE OUT and BYPASS outputs.

INPUT	PRE OUT	BYPASS	AMP
L & R	L & R Filtered	L & R Bypass	Mix L + R
L	L Filtered	L Bypass	mono
R	R Filtered	R Bypass	mono

## Filter

<b>Input:</b>	Bypass / Hi-pass / Lo-pass 50 ÷ 5k Hz @ 12 / 24(mono) dB/Oct.
<b>Output:</b>	Bypass / Hi-pass / Lo-pass 50 ÷ 5k Hz @ 12 / 24(mono) dB/Oct.
<b>Subsonic:</b>	OFF/20/30 Hz @ 24 dB/Oct. Active with Lo-pass filter L+R

## Size

<b>Max size (mm/inches):</b>	198 x 436 x 56 / 7 <sup>13/16</sup> x 17 <sup>1/4</sup> x 2 <sup>1/4</sup>
<b>Weight kg/lb:</b>	4,350 / 9.6