

## LRx 3.1k

### 1500W Power Amplifier

Three Channel Power Amplifier with crossover



ideato,  
progettato,  
costruito  
in Italia



DSC

#### Power Supply

Power supply voltage:	11 ÷ 15 VDC
Idling current:	2.6 A
Idling current when off:	0.02 mA
Consumption @ 14.4 VDC (Max Musical Power):	99 A

#### Amplifier stage

Distorsion-THD (1kHz@4Ω) A Ch:	0.08 %
Distorsion-THD (100 Hz@4Ω) Sub Ch:	0.5 %
Bandwidth (-3 dB) A Ch:	4 ÷ 62k Hz
Bandwidth (-3 dB) Sub Ch:	7 ÷ 800 Hz
S/N Ratio(A weighted@1V) A,Ch:	103 dB
S/N Ratio (A weighted @ 1V) Sub Ch:	87 dB
Damping factor (1 kHz @ 4Ω) A Ch:	200
Damping factor (100 Hz @ 4Ω) Sub Ch:	110
Input sensitivity:	0.3 ÷ 5 V
Input impedance:	15k Ω
Speaker-In sensitivity:	1.4 ÷ 24 V
Speaker-In impedance:	5k Ω
Load impedance MIN:	3 Ch x 2 Ω
NOMINAL OUTPUT POWER (RMS) NP@12VDC; THD0.3%,1%A,SubCh:	140W x 2 + 625W x 1

<b>OUTPUT POWER (RMS) @ 14.4 VDC, THD 1%:</b>	
• 3 Ch	170Wx2(4Ω)+750Wx1(4Ω)
• 3 Ch	160Wx2(4Ω)+1150Wx1(2Ω)
• 3 Ch	250Wx2(2Ω)+710Wx1(4Ω)
• 3 Ch	250Wx2(2Ω)+1030Wx1(2Ω)

#### CEA 2006-A RATINGS

**OUTPUT Power (4Ω, ≤1% THD+N,  
14.4 Volts):** 160W x 2 + 650W x 1

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

160 W Channels: 80 dBA  
650 W Channel: 58 dBA



#### Other functions

Remote In:	7 ÷ 15 VDC (1 mA)
Remote Out:	12 VDC (50 mA)
Fuse (AFS):	100 A
Boost:	OFF / +2dB / +4dB @ 50 Hz
REMOTE SUB VOLUME Adjustment:	+5 ÷ -5 dB

#### Inputs/Outputs

In A Ch:	Pre / Speaker
In Sub Ch:	Pre / Speaker
Output (Bypass):	Pre / Speaker

**LRx 3.1k**, 1400W (RMS), three channel: this unique hybrid amplifier provides up to 250W (RMS) of AB Class power per channel for front or rear hi-pass speakers. The mono D Class third channel provides up to 900W into a 2Ω load, capable of driving the most demanding subwoofer sections with authority.

#### Filters configuration

You can drive the whole amplifier with the Right and Left inputs of A channels; or, you can use the A inputs for A channels and the SUB inputs for the SUB channel.

Config.	A Ch	SUB Ch
1		
2		
3		
4		

#### Inputs configuration

When using the SUB INPUT with a stereophonic signal, a Mix L+R adder is applied to the SUB amplified output as the specific amplifier is monophonic. If the signal is monophonic, you can use both RCA connectors named SUB Ch.

	L/R IN	SUB IN
Sub In	A IN	A IN
L/R INPUT ON	A IN	SUB IN

#### Filters

<b>In A Ch:</b>	Bypass / Hi-pass: 50 ÷ 150 Hz @ 12 dB/Oct.
<b>In Sub Ch:</b>	Bypass / Lo-pass: 50 ÷ 150 Hz @ 24 dB/Oct.
<b>Subsonic:</b>	OFF / 20 / 30 Hz @ 24 dB/Oct.

#### Size

<b>B x L x H (mm/inches):</b>	198 x 488 x 56 / 7 <sup>13/16</sup> x 19 <sup>1/4</sup> x 2 <sup>1/4</sup>
<b>Weight (kg/lb):</b>	5,00 / 11.02