

LRx 5.1k

1630W Power Amplifier
Five Channel Power Amplifier with crossover



ideato,
progettato,
costruito
in Italia



Power Supply

Power supply voltage:	11 ÷ 15 VDC
Idling current:	3 A
Idling current when off:	0.02 mA
Consumption @ 14.4 VDC (Max Musical Power):	110 A

Amplifier stage

Distorsion-THD (1kHz@4Ω) A, B Ch:	0.01, 0.05%
Distorsion-THD (100Hz @ 4Ω) A, Sub Ch:	0.5 %
Bandwidth (-3 dB) A, B Ch:	4 ÷ 62k Hz
Bandwidth (-3 dB) Sub Ch:	7 ÷ 800 Hz
S/N Ratio (A weighted @ 1V) A, B Ch:	105 dB
S/N Ratio (A weighted @ 1V) Sub Ch:	87 dB
Damping factor (1 kHz @ 4Ω) A, B Ch:	200
Damping factor (100 Hz @ 4Ω) Sub Ch:	86
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:	2Chx4Ω+2Chx2Ω+1Chx2Ω
NOMINAL OUTPUT POWER (RMS) PN@12VDC; THD0.3%,1% A/B,SubCh:	45Wx2+140Wx2+625Wx1

OUTPUT POWER (RMS) @ 14.4 VDC, THD 1%:

- 5 Ch 60Wx2(4Ω)+170Wx2(4Ω)+750Wx1(4Ω)
- 5 Ch 50Wx2(4Ω)+160Wx2(4Ω)+1150Wx1(2Ω)
- 5 Ch 50Wx2(4Ω)+250Wx2(2Ω)+1030Wx1(2Ω)

CEA 2006-A RATINGS

OUTPUT Power (4Ω, ≤1% THD+N, 14.4 Volts): 50Wx2+160Wx2+650Wx1

S/N ratio (ref. 1W output):
50 W Channels: 80 dBA
160 W Channel: 80 dBA
650 W Channel: 58 dBA



Other functions

Remote In:	7 ÷ 15 VDC (1 mA)
Remote Out:	12 VDC (15 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 B Ch:	Pre / Speaker
In Sub Ch:	Pre / Speaker
Output (Bypass):	Pre

LRx 5.1k, 1500W (RMS), five channel: featuring hybrid design, this is the specialist amplifier for front + rear + subwoofer or multi-amplified front + subwoofer systems. Its high-quality AB Class output stages provide two channels with 250W (RMS), combined with another pair of channels rated at 50W (RMS), perfect for active two-way front speaker systems. The D Class mono section provides 900W (RMS) for dynamic, powerful subwoofer output.

Config.	A Ch	B Ch	SUB
1	Full	Full	Full
2	Full	Full	Lo-pass
3	Full	Hi-pass	Full
4	Full	Hi-pass	Lo-pass
5	Full	Band-pass	Full
6	Full	Band-pass	Lo-pass
7	Hi-pass	Full	Full
8	Hi-pass	Full	Lo-pass
9	Hi-pass	Hi-pass	Full
10	Hi-pass	Hi-pass	Lo-pass
11	Hi-pass	Band-pass	Full
12	Hi-pass	Band-pass	Lo-pass

Filters configuration

You can drive the whole amplifier with the Right and Left inputs A channels; otherwise, refer to the table below.

Inputs configuration

When not using the SUB INPUT the stereophonic signal is taken from A&B channels, internally Mixed and then 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.

		A CH	B CH	SUB CH
B Input	Sub Input	A IN	A IN B=PRE OUT	MIX A+B IN
B Input	Sub Input	A IN	B IN	MIX A+B IN
B Input	Sub Input	A IN	A IN B=PRE OUT	SUB IN
B Input	Sub Input	A IN	B IN	SUB IN

Filters

In A Ch:	ByPass / Hi-pass: 50 Hz ÷ 150 Hz @ 12dB/Oct.
In B Ch:	ByPass/Hi-pass: 50Hz ÷ 1kHz/Lo-pass: 250Hz ÷ 5kHz/Band-pass @ 12dB/Oct.
In SUB Ch:	ByPass / Lo-pass: 50 Hz ÷ 150 Hz @ 24dB/Oct.
Subsonic:	OFF / 20 / 30 / Hz @ 24dB/Oct.

Size

BxLxH (mm/inches):	198x538x56 / 7" ^{13/16} x 21" ^{13/16} x 2" ^{1/4}
Weight (kg/lb):	5,70 / 12.57