

LRx 3.1MT

1100W Power Amplifier
Multichannel Theatre Amplifier - 4 Ch

ideato,
progettato,
costruito
in Italia



Power Supply

Power supply voltage:	11 ÷ 15 VDC
Idling current:	2.2 A
Idling current when off:	0.02 mA
Consumption @ 14.4 VDC (Max Musical Power):	71.5 A

Amplifier stage

Distorsion-THD (1kHz@4Ω) A, Centre Ch:	0.03%
Distorsion-THD (100Hz@4Ω) A, Sub Ch:	0.5 %
Bandwidth (-3 dB) A, Centre Ch:	4 ÷ 58k Hz
Bandwidth (-3 dB) Sub Ch:	4 ÷ 700 Hz
S/N Ratio (A weighted @ 1V) A, Centre Ch:	105 dB
S/N Ratio (A weighted @ 1V) Sub Ch:	85 dB
Damping factor (1 kHz @ 4Ω) A, Centre Ch:	200
Damping factor (100 Hz @ 4Ω) Sub Ch:	90
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 4Ω + 1 Ch x 2 Ω
NOMINAL OUTPUT POWER (RMS) NP@12VDC; THD 0.3%, 1% A, Centre, Sub Ch:	95W x 3 + 420W x 1

OUTPUT POWER (RMS) @ 14.4 VDC, THD 1%:	
• 4 Ch	100 W x 3 (4Ω) + 460 W x 1 (4Ω)
• 4 Ch	100 W x 3 (4Ω) + 800 W x 1 (2Ω)

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OUTPUT Power (4Ω, ≤1% THD+N, 14.4 Volts): 100W x 3 + 400W x 1

S/N ratio (ref. 1W output):
100 W Channels: 80 dBA
400 W Channel: 58 dBA



Other functions

Remote In:	7 ÷ 15 VDC (1 mA)
Remote Out:	12 VDC (15 mA)
Fuse (AFS):	80 A
REMOTE SUB VOLUME	
Adjustment:	+5 ÷ -5 dB

Inputs/Outputs

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

LRx 3.1 MT, 900W (RMS), 3.1 channel: three equal AB Class channels of 100W (RMS) each are combined with 600W (RMS) D Class mono subwoofer section. This amplifier is the perfect solution to Left-Center-Right + subwoofer(s) mobile theatre applications. It can also be used to drive Center-Surround + subwoofer(s) in systems where a separate amplifier(s) like the Thesis HV Venti is used to drive the Left-Right channels for those demanding unparalleled traditional stereo reproduction.

Filters configuration

LRx 3.1MT outputs are totally independent and drive each its specific terminal. To output the amplified signal you must use the corresponding input.

Config.	L/R Ch	CENTER	SUB Ch
1	Full	Full	Full
2	Full	Hi-pass	Full
3	Hi-pass	Full	Full
4	Hi-pass	Hi-pass	Full

Inputs / Outputs configuration

L/R IN	L/R Ch
CENTER IN	CENTER
SUB IN	SUB Ch
PRE OUT	L/R IN

Filters

In A Ch:	Bypass / Hi-pass: 30 Hz @12 dB/Oct.
In Centre Ch:	Bypass / Hi-pass: 30 Hz @12 dB/Oct.
Subsonic:	OFF / 20 / 30 Hz @24 dB/Oct.

Size

B x L x H (mm/inches):	198 x 488 x 56 / 7 ^{13/16} x 19 ^{1/4} x 2 ^{1/4}
Weight (kg/lb):	5,00 / 10.02