

LRx 5.1MT

1280W Power Amplifier
Multichannel Theatre Amplifier - 6 Ch

ideato,
progettato,
costruito
in Italia



Power Supply

Power supply voltage:	11 ÷ 15 VDC
Idling current:	3.6 A
Idling current when off:	0.02 mA
Consumption @ 14.4 VDC (Max Musical Power):	87 A

Amplifier stage

Distorsion-THD (1kHz@4Ω) A,B,Centre Ch:	0.03 %
Distorsion-THD (100Hz@4Ω) Sub Ch:	0.5 %
Bandwidth (-3 dB) A,B,Centre Ch:	4 ÷ 58k Hz
Bandwidth (-3 dB) Sub Ch:	4 ÷ 700 Hz
S/N Ratio(A weighted@1V) A,B,Centre Ch:	103 dB
S/N Ratio (A weighted @ 1V) Sub Ch:	85 dB
Damping factor (1 kHz @ 4Ω) A,B,Centre Ch:	190
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:	5 Ch x 4 Ω + 1 Ch x 2 Ω
NOMINAL OUTPUT POWER (RMS) NP@12VDC;	
THD0.3%,1%A/B/Cen,SubCh:	85W x 5 + 360W x 1

OUTPUT POWER (RMS) @ 14.4 VDC, THD 1%:	
• 6 Ch	100Wx2(4Ω)+460Wx1(4Ω)
• 6 Ch	100Wx2(4Ω)+760Wx1(2Ω)

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OUTPUT Power (4Ω, ≤1% THD+N, 14.4 Volts):		100Wx5+400Wx1
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 (50 mA)
Fuse (AFS):	100 A
REMOTE SUB VOLUME	
Adjustment:	+5 ÷ -5 dB

Inputs/Outputs

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

LRx 5.1 MT, 1100W (RMS), 5.1 channel: more powerful, this amplifier provides five 100W (RMS) AB Class channels for the Left-Center-Right-Surround speakers, plus one 600W (RMS) D Class channel for the subwoofer(s). Subsonic crossovers are provided for the Left-Center-Right and Surround channels. All crossovers can be bypassed when the amplifier is used with DSP controlled processors. The total mobile theatre solution in one chassis.

Filters configuration

The LRx MT has a totally independent filter section specifically designed for systems with an external processor. After choosing the configuration you prefer, you can adjust the crossovers to make the speakers work in broadband or with a high-pass filter protecting its operation.

Config.	A Ch	B Ch	CENTER	SUB
1	Full	Full	Full	Full
2	Full	Full	Hi-pass	Full
3	Full	Hi-pass	Full	Full
4	Hi-pass	Full	Full	Full
5	Full	Hi-pass	Hi-pass	Full
6	Hi-pass	Hi-pass	Full	Full
7	Hi-pass	Full	Hi-pass	Full
8	Hi-pass	Hi-pass	Hi-pass	Full

Inputs configuration

LRx 5.1MT inputs are totally independent and drive each its specific terminal. To output the amplified signal you must use the corresponding input.

A IN L&R	A Ch
B IN L&R	B Ch
CENTER IN	CENTER
SUB IN	SUB ch

Filters

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

Size

BxLxH (mm/inches):	198 x 588 x 56 / 7 ^{13/16} x 23 ^{3/16} x 2 ^{1/4}
Weight (kg/lb):	6,00 / 13.22