

LRx 4.5

520W Power Amplifier
Four Channel Power Amplifier with crossover

ideato,
progettato,
costruito
in Italia



Power Supply

Power supply voltage:	11 ÷ 15 VDC
Idling current:	1.3 A
Idling current when off:	0.02 mA
Consumption @ 14.4 VDC (Max Musical Power):	36 A

Amplifier stage

Distorsion - THD (1 kHz @ 4Ω):	0.04%
Bandwidth (-3 dB):	4 ÷ 80k Hz
S/N Ratio (A weighted @ 1 V):	100 dB
Damping factor (1 kHz @ 4Ω):	120
Input sensitivity:	0.3 ÷ 5 VRMS
Input impedance:	15 kΩ
Speaker-In sensitivity:	1.4 ÷ 24 VRMS
Speaker-In impedance:	5 kΩ
Load impedance (MIN):	2Ω
NOMINAL OUTPUT POWER (RMS)	
NP @ 12VDC, THD 0.3%:	70W x 4 (4Ω)

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

- 4 Ch 75 W x 4 (4Ω)
- 4 Ch 130 W x 4 (2Ω)
- 3 Ch 75 W x 2 (4Ω) + 260 x 1 (4Ω)
- 3 Ch 130 W x 2 (2Ω) + 260 x 1 (4Ω)
- 2 Ch 260 W x 2 (4Ω)

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OUTPUT Power (4Ω, ≤1% THD+N, 14.4 Volts): 75 W x 4

S/N ratio (ref. 1W output): 82 dBA



Other functions

Remote In:	7 ÷ 15 VDC - 1 mA
Remote Out:	12 VDC - 50 mA
Speaker On:	Amp ON with amplified signal
Fuse (AFS):	40 A
REMOTE SUB VOLUME:	Active with B ch / Lo-pass 24dB L+R
Adjustment:	+5 ÷ -5dB

Inputs/Outputs

Input:	Pre/Speaker
Output:	Pre/Speaker
Out Filtered:	Pre/Speaker

LRx 4.5 are four channel amplifiers which can work in four, three, two channel mode down into 1Ω loads and delivering totally 1100W bursting power. They are designed in order to handle complete systems and to be used in complex multi-amplified, multi-channel ones. ECI and ART insure interfacing with every type of source and up to 24dB/oct. slope crossovers allow the building of front-rear, front-sub or multi-amplified systems always having a non-filtered output signal to widen the system.

	Config.	A Ch	B Ch
4/3 Ch	1	Full	Full
	2	Full	Hi-pass
	3	Hi-pass	Full
	4	Hi-pass	Hi-pass
	5	Full	Lo-pass
	6	Hi-pass	Lo-pass

■ In 4 / 3 Ch mode, it is possible to drive the whole amplifier through A channels Right and Left inputs, or to use A inputs for A channels and B inputs for B channels.

	A Ch Stereo	B Ch Stereo/Mono
4/3 Ch	B Input ON A IN	A IN
	B Input ON A IN	B IN

■ In 2 Ch mode, A channels L input drives A channels in mono configuration, A channels R input drives B channels in mono configuration.

	A Ch Mono	B Ch Mono
2 Ch	B Input ON A IN L	A IN R

	Config.	A Ch	B Ch
2 Ch	7	A Filter Not used	Full
	8	A Filter Not used	Hi-pass
	9	A Filter Not used	Lo-pass

Filters

In A ch:	Bypass / Hi-pass 50 ÷ 5k Hz @ 12 dB/Oct.
In B ch:	Bypass / Hi-pass / Lo-pass 50 ÷ 5k Hz @ 12 / 24(mono) dB/Oct.
Subsonic:	OFF / 20/30 Hz @ 24 dB/Oct. Active with B ch / Lo-pass 24dB L+R

Size

Max size (mm/inches):	198 x 388 x 56 / 7 ^{13/16} x 15 ^{5/16} x 2 ^{1/4}
Weight kg/lb:	3,650 / 8.0