

LRx 2.4

460W Power Amplifier
Stereo 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%:	120 W x 2 (4Ω)

OUTPUT POWER (RMS) @ 14.4 VDC, THD 1%:	
• 2 Ch	130 W x 2 (4Ω)
• 2 Ch	230 W x 2 (2Ω)
• 1 Ch	460 W x 1 (4Ω)

CEA 2006-A RATINGS		
OUTPUT Power (4Ω, ≤1% THD+N, 14.4 Volts):		130 W x 2
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 Lo-pass 24dB L+R
Adjustment:	+5 ÷ -5dB

Inputs/Outputs

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

LRx 2.4 and LRx 2.9 are powerful stereo amplifiers. Their power supply section and final stages, designed to work also in mono and trimode, insure very high output current, with powers up to 900W (RMS). AMP constantly checks the operating status system and ART function allows automatic turn-on/off when a remote signal isn't available from the source. Like in all LRx models, you can use VCRA volume remote control by connecting it to the special SUB VOL socket when you drive the subwoofer in mono. There are endless handling possibilities, for every type of installation. Tonal accuracy is the best, with clear, detailed trebles and solid, bursting bass, for ultimate performance.

Inputs configuration

You can independently select a bypass, hi-pass or lo-pass filter to be applied to the amplifier and to PRE OUT output. If the amplifier and the PRE OUT output are configured in the same way, both will output the same signal and cut-off frequency selected.

	Mono	Stereo
	 Stereo Mono	 Stereo Mono
	R	L & R
	HI/LO-PASS 12/24 dB	LO-PASS 24 dB
	R Filtered	L + R Filtered
	R Bypass	L + R Bypass
	Mono Filtered	L + R Filtered

Config.	AMP	PRE OUT
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1	Full	Full
2	Full	Hi-pass
3	Full	Lo-pass mono
4	Hi-pass	Full
5	Hi-pass	Hi-pass
6	Hi-pass	Lo-pass mono
7	Lo-pass mono	Full
8	Lo-pass mono	Hi-pass
9	Lo-pass mono	Lo-pass mono

Filters configuration

In stereo mode: when INPUT is stereo, and HI-PASS and/or LO-PASS filter is set to 12 dB, a stereo filtered signal will be directed to the PRE OUT outputs and to the amplified outputs. When the filter is set to LO-PASS 24 dB, a lo-pass mono filtered signal is directed to the PRE OUT outputs and to the amplified outputs, the sum of the L + R signal inputs. In mono mode, only the right input is activated. You will have a mono signal in PRE OUT and in amplified outputs with whatever types of selected filter. Only the right BYPASS output connector will have the same signal as the right channel input.

Filters

Input:	Bypass / Hi-pass / Lo-pass 50 ÷ 5k Hz @ 12 / 24(mono) dB/Oct.
Output:	Bypass / Hi-pass / Lo-pass 50 ÷ 5k Hz @ 12 / 24(mono) dB/Oct.

Size

Max size (mm/inches):	198 x 338 x 56 / 7 ^{13/16} x 13 ^{5/16} x 2 ^{1/4}
Weight kg/lb:	3,200 / 7.0