



PROFESSIONAL SERIES

STEREO CROSSOVER AC 2124



Owner's Manual

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GENERALITY

2124 is a 2 STEREO-WAY electronic crossover plus sub mono-fixed output @ 100Hz 12dB/oct. expressly studied for multi-amplified systems.

The filters adopted are Linkwitz-Riley type with slope of 24dB/octave: this ensures an efficient protection of the transducers employed which could be stressed from too lower frequencies if the tone is not correct.

The frequency of the tone of the sub is fixed at 100 Hz with a slope of 12 dB/oct.

The sections BASS, TREBLE and SUB of each channel are provided with independent level controls, LIMITER function and PHASE control.

Input level could be internally selected with a JUMPER between 0 and -6 dBm.

If put out the two jumpers JP1 and JP2, nominal input level become -6dBm (338mV).

It is also possible to add an internal equalization card with 4 parametric equalizers.

POWER SUPPLY

This device has been made for use with a power supply of 230 Vac 50/60 Hz.

The auto-reset protection fuse is situated inside.

INPUTS AND OUTPUTS

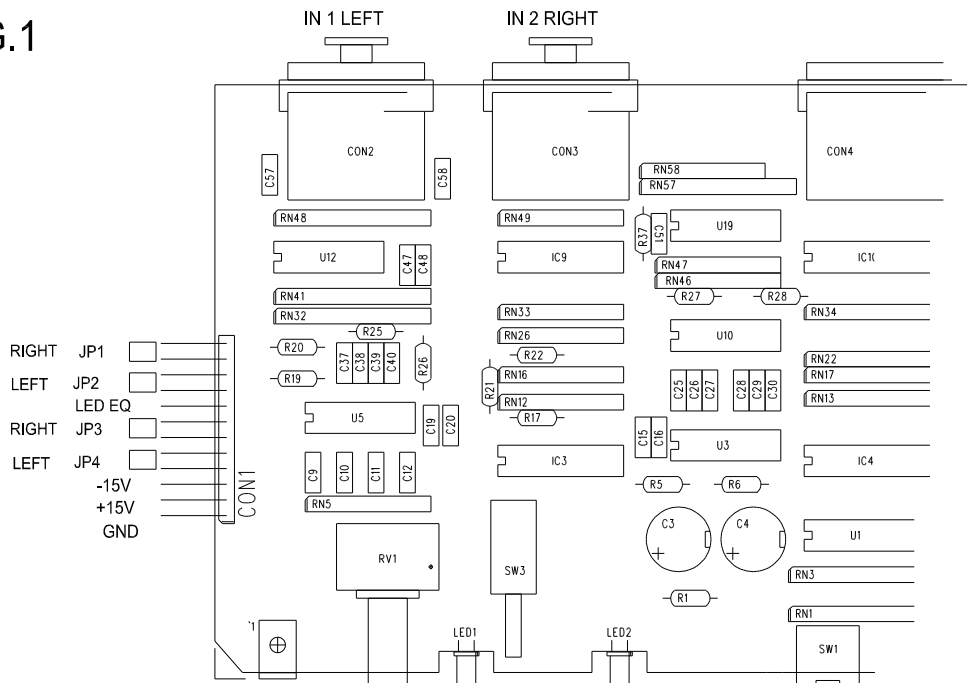
On the back panel there are electronically balanced inputs of LEFT channel and of RIGHT (INPUT) channel and electronically balanced line outputs BASS, TREBLE and SUB. These inputs and outputs have 3-pin XLR connectors.

OPTION

Optional card is get ready for setting 4 parametric equalizations on each channel.

Remove the two jumpers JP3 and JP4 before connect card in appropriate connector.(see fig 1)

FIG.1





SPECIFICATION

Crossover frequencies	60/80/100/125/150/200/250/300/600/800/1K/1.2K/1.5K/2K/2.5K/3KHz
Input sensitivity	0dBm (0,775 V)
Max input signal	+20dBm (7,75 V)
Input impedance	44Kohm(bal)
Nom. Output level	0dBm (0,775 V)
Max output level	+20dBm (7,75 V)
Output impedance	270 Ohm
Filters	Linkwits-Riley – 24 dB/oct
S/N Ratio	>90dB(Lin.)
Distortion	0.03%
Frequency response	20÷30KHz
Power requirements	230Vac 50÷60 Hz
Dimensions (WxHxD)	483x44x125mm
Weight (Kg)	3Kg

FUNCTIONS AND CONTROLS

1. Power supply indicator
2. PHASE-REVERSE (TREBLE)
3. LIMITER: when input signal exceeds of 6 dB the fixed value of the level control, limiter device intervenes limiting the exceeding of this threshold (LIMIT indicator is ON). SIGNAL indicator in ON position means the presence of output signal.
4. SIGNAL: output signal indicator
5. Digital commutator for cross frequency selection
6. Output level independent controls for sections TREBLE
7. Output level independent controls for sections BASS
8. Phase control with continuity from 0° to -180° (BASS)
9. Optional card EQ connect
10. Phase alignment (SUB)
11. Output level independent controls for sections SUB
12. INPUT L: Balanced left input
13. INPUT R: Balanced right input
14. SUB-WOOFER: Subwoofer output
15. BASS-L: Left low output
16. TREBLE-L: Left high output
17. BASS R: Right low output
18. TREBLE R: Right high output
19. MAINS: 230V~supply socket

FIG.2

