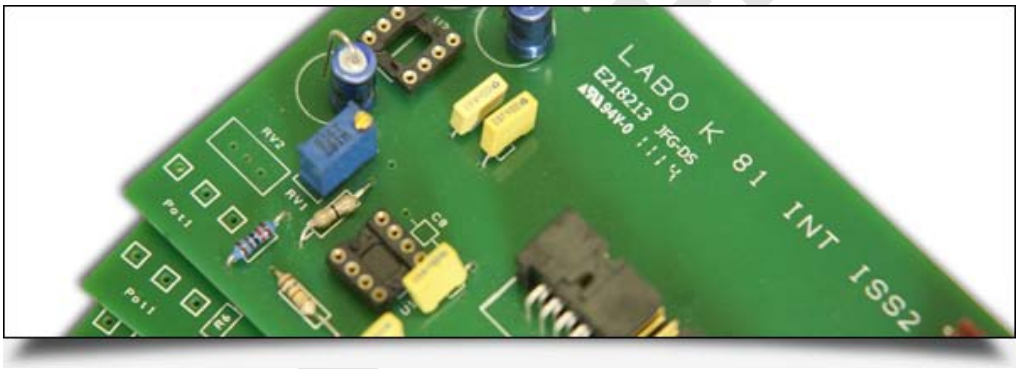
LABO ★ K EFFECTS

Neve 8108 preamp + equalizer modules connection Kit



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INTRODUCTION

This kit allows to interconnect one NEVE 8108 serie preamp module and one equalizer module to put them in a Rack.
The kit also allows to connect output and power supply necessary for the use of the set.
One +4dB balanced output stage is fitted on the PCB.

Optional accessories

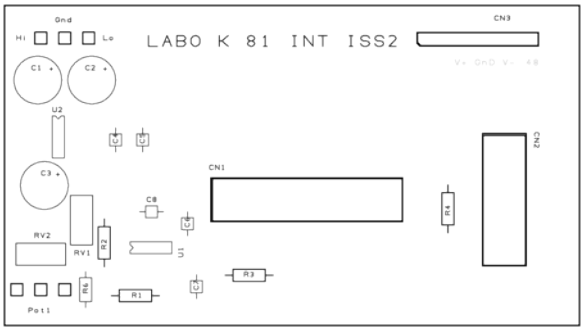
Labo★K Effects Neve 81 PSU kit Power supply +48V, 0V ,+22V ,-22V (Kit or PCB only) *R-Core transformer not supplied*	
Labo★K Effects Neve PSU Metalwork Secures the power supply to the rack.	

For proper operation of the unit, it is advisable to use modules in good conditions and with coupling capacitors will have been changed if necessary.
The poor condition of the capacitors can greatly affect the sound quality or even cut the signal.
Similary, i twill ensure that the various switches have been cleaned using a contact cleaner spray.

KIT OVERVIEW

One PCB for connecting:

- 1 préampli module.
- 1 equalizer module.
- 1 +4dB balanced output (stage fitted on the PCB)
- 1 power supply
- 1 level pot (not supplied)

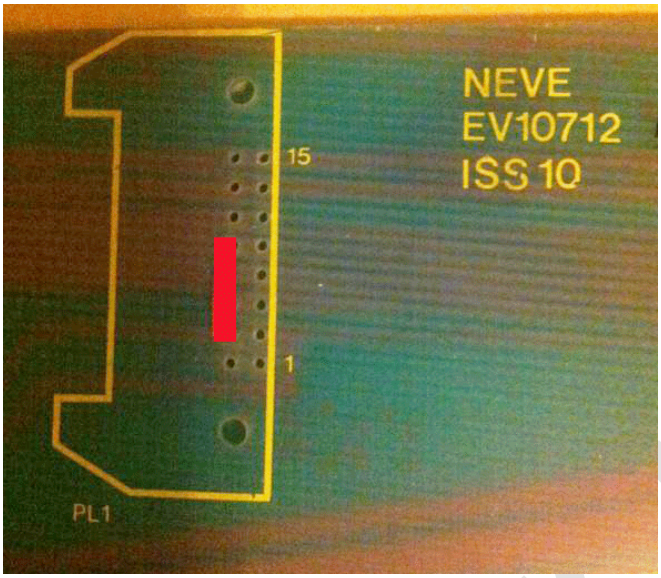


Connectors and components.
Output XLR connector not supplied.

ASSEMBLY INSTRUCTIONS

1) Solder components and connectors on PCB.
2) Prepare interconnection wires .

For preamp versions that do not include the Filters section, perform the following link on the EV10712 board.



Bind pads 4 and 10 of PL1 connector with a strap.

3) Bind output wire to your XLR or Stereo jack.
4) Bind PSU connector to +48v, 0V, +22V, -22V power supply
5) Bind preamp and equalizer modules ribbons to the board connectors.

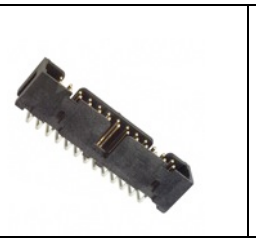
Note :
Plan 250mA for each module for +22V /-22V power supply.

6) Adjust output stage gain with RV1.
7) Adjust output level with RV2.

Standard setup:

1) Inject 1Khz 0dBm signal in Line Input.
2) Set Trim to +10dB on preamp.
3) Adjust RV1 to read +10dBm on output.

NEVE 81 INTERFACE PARTS LIST

Connector 1 3M 2526-6002	
Connector 2 3M 2516-6002	
Connector 3 Molex 22-27-2101-10	 
R1	18K
R2	680R
R3,R4	0R
R6	1K2
RV1 Gain Adjust	1K
RV2 Output Adjust	10K
C1,C2	10µF/63v NP
C3	100 µF/10V
C4,C5,C6,C7	100n 50V
C8	22pF
U1	NE5534
U2	SSM2142
IC sockets U01 et U02	Dil 8 IC sockets

All resistors are 1/4w metal film 1%

PSU BUS PINOUT

1	+48
2	NC
3	-22V
4	NC
5	0V
6	NC
7	+22V
8	0V
9	0V
10	0V

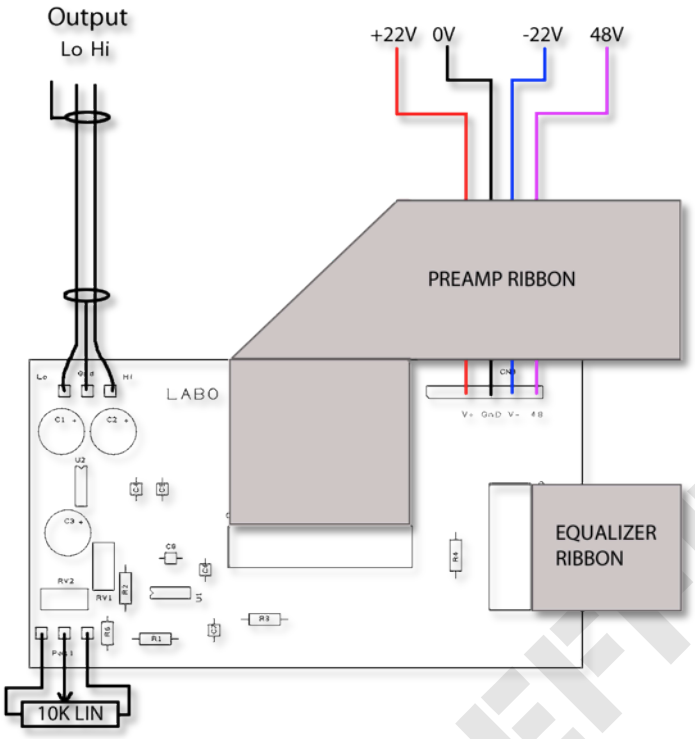


Figure 1

You can replace RV2 with a 10K Lin pot (not supplied) wired on front face of rack.

On the preamp module, the Filter section will engage using the « CH » switch what allows to have a bypass switch for both filters.

One have two solutions to toggle 48V.

1) Remove R4 on interface board and insert a switch with 2 wires.
2) Modify EV10712 preamp card as indicate on Figure 2 and so use « TAPE » switch to engage 48V.

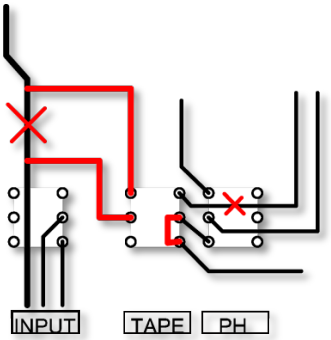


Figure 2

Cut tracks at place marked by a cross and bind points indicated by red lines.