

LABO ★ K EFFECTS

CONNECTION KIT FOR NEVE 8128/8248 PREAMP + EQUALISER

ISSUE 4



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INTRODUCTION

This kit allows to interconnect one NEVE 8128/8248 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.

One balanced Line input stage is fitted on the PCB

Optional accessory

<p>Labo★K Effects Neve 81/82 PSU Kit</p> <p>Power supply +48V, 0V, +22V,-22V</p> <p>(Kit or PCB only)</p> <p><u>Transformer not supplied</u></p>	
<p>Labo★K Effects FPSU Metalwork</p> <p>Secures the power supply to the rack.</p>	



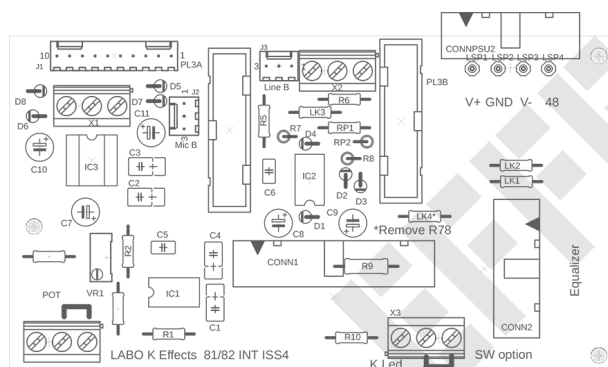
For proper operation of the unit, it is advisable to use modules in good conditions and with coupling capacitors will have been changed if necessary. The poor condition of the capacitors can greatly affect the sound quality or even cut the signal.

Similary, i twill ensure that the various switches have been cleaned using a contact cleaner spray.

KIT OVERVIEW

1 PCB for connecting:

- 1 preamp module
- 1 equalizer module
- 1 + 4dB balanced output (stage fitted on the PCB)
- 1 balanced line input (stage fitted on the PCB)
- Power supply
- One Level pot (not supplied)



Connectors and components.

Input and Output XLR connectors not supplied.

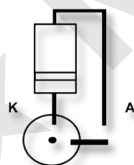
PSU2 CONNECTOR PINOUT

1	+48V
2	+48V
3	+48V
4	+48V
5	-22V
6	-22V
7	-22V
8	-22V
9	0V
10	0V
11	0V
12	0V
13	+22V
14	+22V
15	+22V
16	+22V

NEVE 81/82 INTERFACE PARTS LIST

It Nr	Désignation	Description	Qnt
1	PL3A, PL3B	IDC 20 connector	2
2	CONN2	IDC 16 connector	1
3	CONNPSU1	IDC 16 connector	1
4	RP1	1K3 resistor	1
5	RP2	8K2 resistor	1
6	R1	18K resistor	1
7	R2	680R resistor	1
8	R3	1K2 resistor	1
9	R4	100K resistor (remove if pot)	1
10	R5	22K resistor	1
11	R6	22K resistor	1
12	R7	22K resistor	1
13	R8	22K resistor	1
14	R9	680R 1W resistor	1
15	VR1	Not fitted	1
16	C1, 2, 3, 4	68n/50V ceramic	4
17	C5, 6	22pF ceramic	2
18	C7	100µF/10V capacitor	1
19	C8, 9, 10, 11	22µF/25V capacitor	4
20	D1, 2, 3, 4	1N4148 diode	4
21	IC1, 2	NE5534	2
22	IC3	THAT1646	1
23	Socket	DIL 08 socket	3

All resistors are 1/4w metal film 1%



Diodes implantation:

D5, D6, D7, D8 are not implanted.

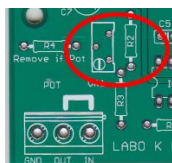
LK1, LK2, LK3 and LK4 are not part of this kit version. Do not implant.

R10 is an optional 4K7 0.6W resistor in case of 48V LED implantation.

ASSEMBLY INSTRUCTIONS

- 1) Solder components and connectors on PCB.
- 2) Prepare interconnection wires
- 3) Connect your Mic XLR to the XLR pins of the preamp module
- 4) Connect output wire to your XLR or Stereo jack.
- 5) Connect Line in wire to your XLR.
- 6) Connect PSU connector to +48v, 0V, +22V, -22V power supply
- 7) Connect preamp and equalizer modules ribbons to the board connectors.

It is possible to select an output level different from + 4dB.
To do this, do not implant R2 (680R). It will then be necessary to implant VR1 a 2K trimmer (not supplied) in order to have an adjustment of the output gain.



Optional connections.

It is possible to connect a 10KA potentiometer (not supplied) to have a volume control. Then R4 could be removed (figure 2). If not, install a strap as shown in figure 3.

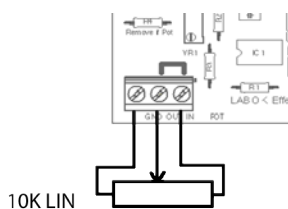


Figure 2

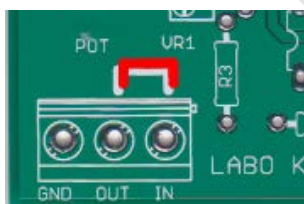


Figure 3

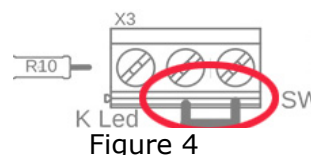
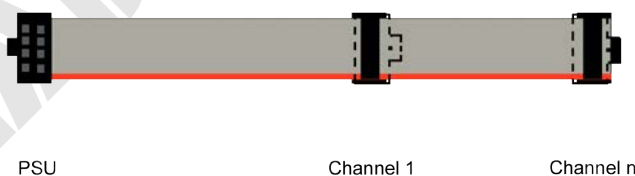


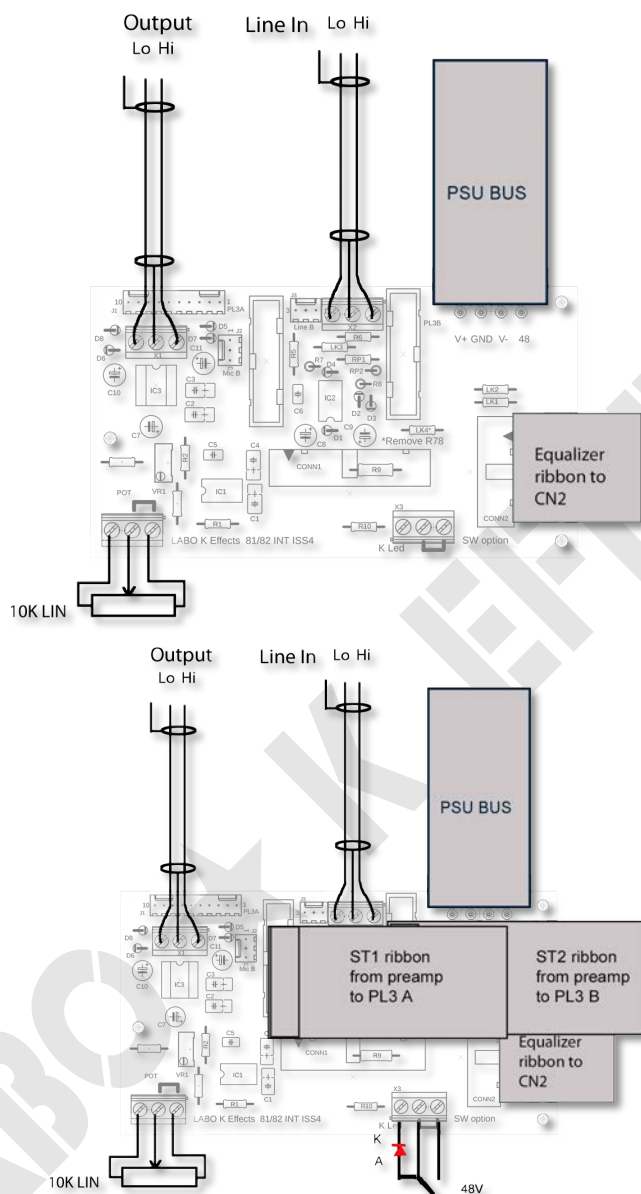
Figure 4

Implant a strap as shown in Figure 4 to provide the 48V.
It is possible to have an on / off switch on the front panel.
In place of the strap, connect a switch with two wires as shown in sheet 7.
A led can be added as indicated and a 4K7 0.6W resistor will have to be placed in R10.



PSU Ribbon

NEVE 8128/8248 INTERFACE BOARD WIRING



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

Legal notice:

Labo★K Effect shall not be responsible and disclaims all liability for any damage (whether direct or consequential) that may result from a wrong use of the kit by the user.