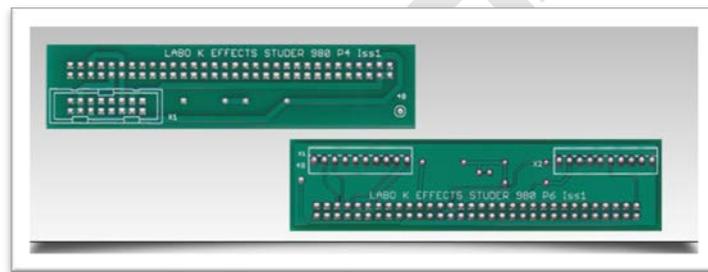


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CONNECTION KIT FOR STUDER 980 PREAMPLI+EQUALISER



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INTRODUCTION

This kit allows to interconnect Studer 980 preamp and equalizer module to put them in a Rack. The kit allows to connect inputs, outputs and power supply necessary for the use of the set.

Optional accessories

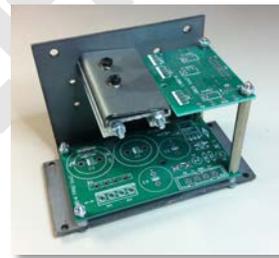
Labo★K Effects Studer 980 PSU Kit

Regulated PSU
+48V, +/-15,5V, +5,5V
(Kit or PCB + Metalwork only)

Transformer not supplied.

Studer 980 PCB+METALWORK

Allows to fix the pcbs and the radiator of the power supply.
The compact unit can thus be easily fixed in the rack.

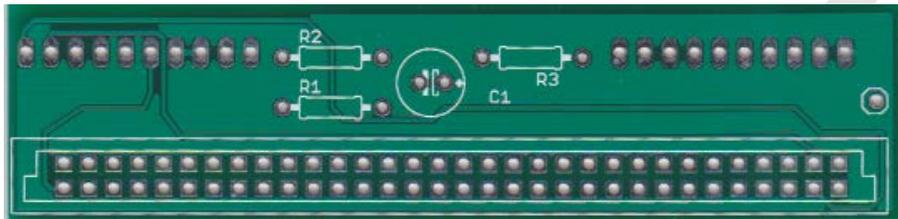


For proper operation of the unit, it is advisable to use modules in good conditions and with coupling capacitors that will have been replaced if necessary.

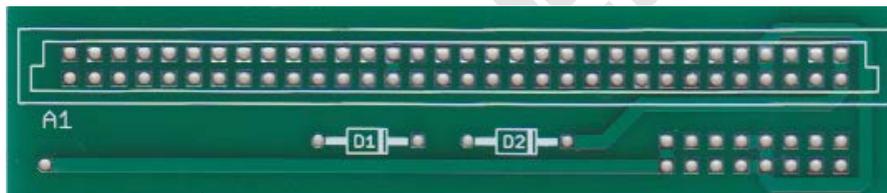
The poor condition of the capacitors can greatly affect the sound quality or even cut the signal. Similarly, one will ensure that the various switches have been cleaned using a contact cleaner spray.

KIT OVERVIEW

- **1 Interconnect board PCB 2 layers plated pads for connecting:**
- **Studer P6 connector (In/out)**
 - 1 Micro input
 - 1 Ligne input
 - 1 insertion Snd
 - 1 insertion Rtn
 - 1 Output



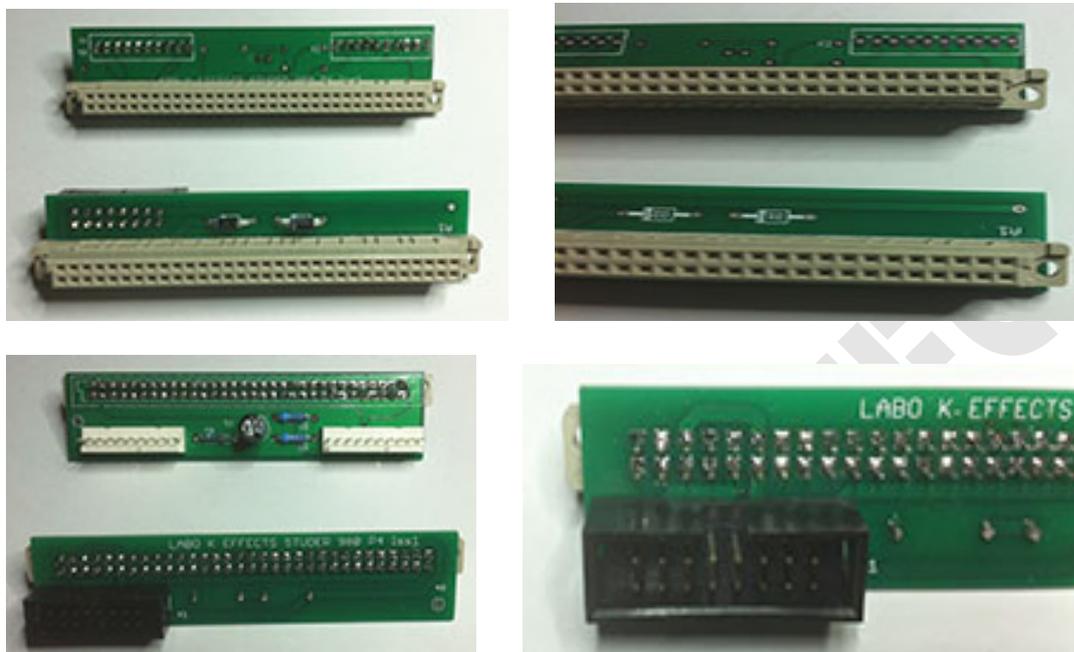
- **1 Interconnect board PCB 2 layers plated pads for connecting:**
- **Studer P4 connector (Power Supply)**
 - 1 Psu +/-15,5V, +5,5V and 48V



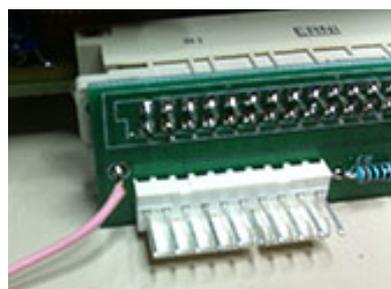
- **Connectors, components and ribbons**
XLR and Jack Connectors not supplied.

ASSEMBLY INSTRUCTIONS

- 1) Solder connectors on PCB like shown on the pictures (row A is up).



- 2) Prepare interconnection ribbons
- 3) Plug the boards to P4 and P6 connectors.
- 4) Bind inputs and outputs connectors to your XLR or stereo Jacks
- 5) Bind PSU bus to a regulated power supply +48v, 0V, +/- 15,5V and +5,5V.
- 6) Solder a wire between the P4 and P6 cards 48V pads.



STUDER 980 P6 INTERFACE BOARD PART LIST

Connector X1, X2	Molex 22-27-2101-10	
Connector 1	Din 41612	
R1, R2		6K81
R3		100R
C1		47µF/63v

All resistors are 1/4w metal film 1%

CONNECTORS X1 & X2 PINOUT

X1	
1	GND
2	RTN HI
3	RNT Lo
4	NC
5	NC
6	NC
7	NC
8	GND
9	SND Hi
10	SND Lo

X2	
1	Mic in Hi
2	Mic in Lo
3	GND
4	GND
5	Line In Lo
6	Line In HI
7	NC
8	GND
9	Out Hi
10	Out Lo

STUDER 980 P4 INTERFACE BOARD PART LIST

Connector X1	2516-6002	
Connector A1	Din 41612	
D1, D2		1n 4002

CONNECTOR X1 (BUS PSU) PINOUT

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

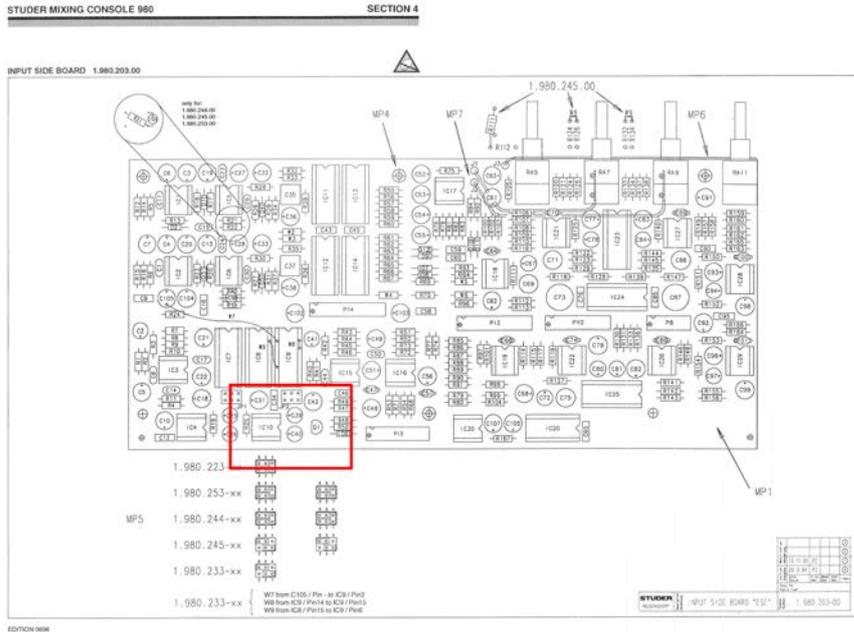
INPUTS & OUTPUTS CONNECTIONS

Connectors in/out 2X KK10 fem	
20 crimp terminals Molex 08-50-0005	

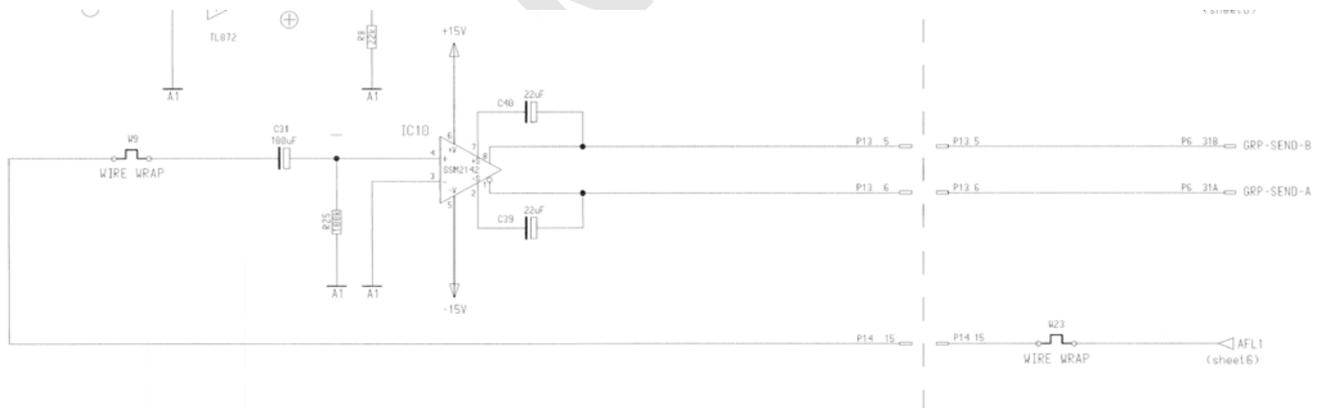
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OUTPUT STAGE

The pcb side board of the mono input module uses the same pcb for the stereo version. On the mono input module the components of the stereo version are not implemented.



We can use the channel 2 insertion SEND stage as a balanced output for the preamp.



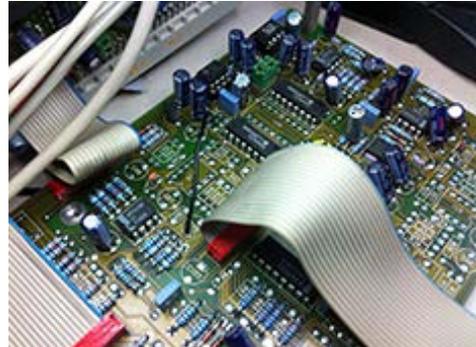
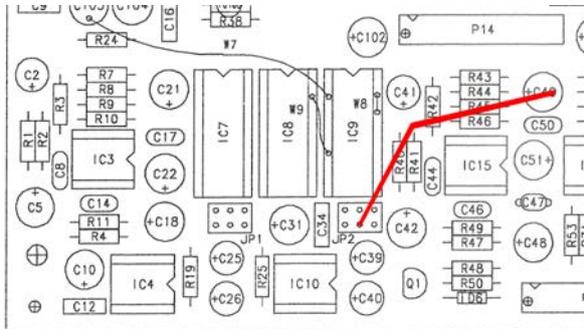
BALANCED OUTPUT STAGE PART LIST

R25	100K
P1 (volume)	10KB 12mm (not supplied)
C31	100 µF /16V
C39, C40	22 µF /25V
IC1	THAT 1646
DIL1	Support DIL8

VOLUME POTENTIOMETER WIRING (NOT SUPPLIED)

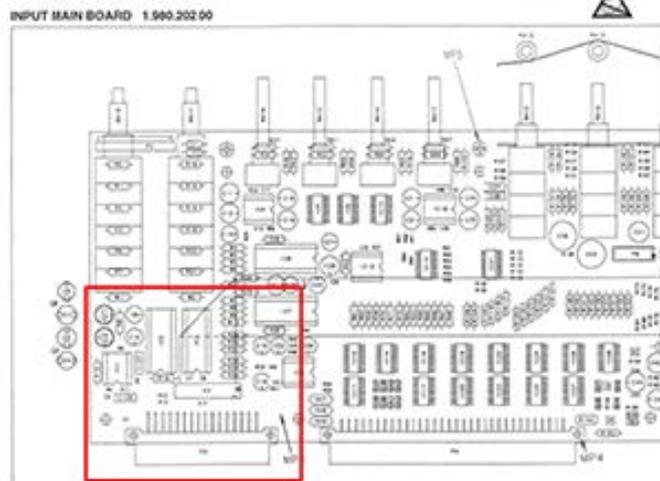
On the sideboard card:

It will be necessary to implant a strap to connect the output stage to the volume potentiometer.

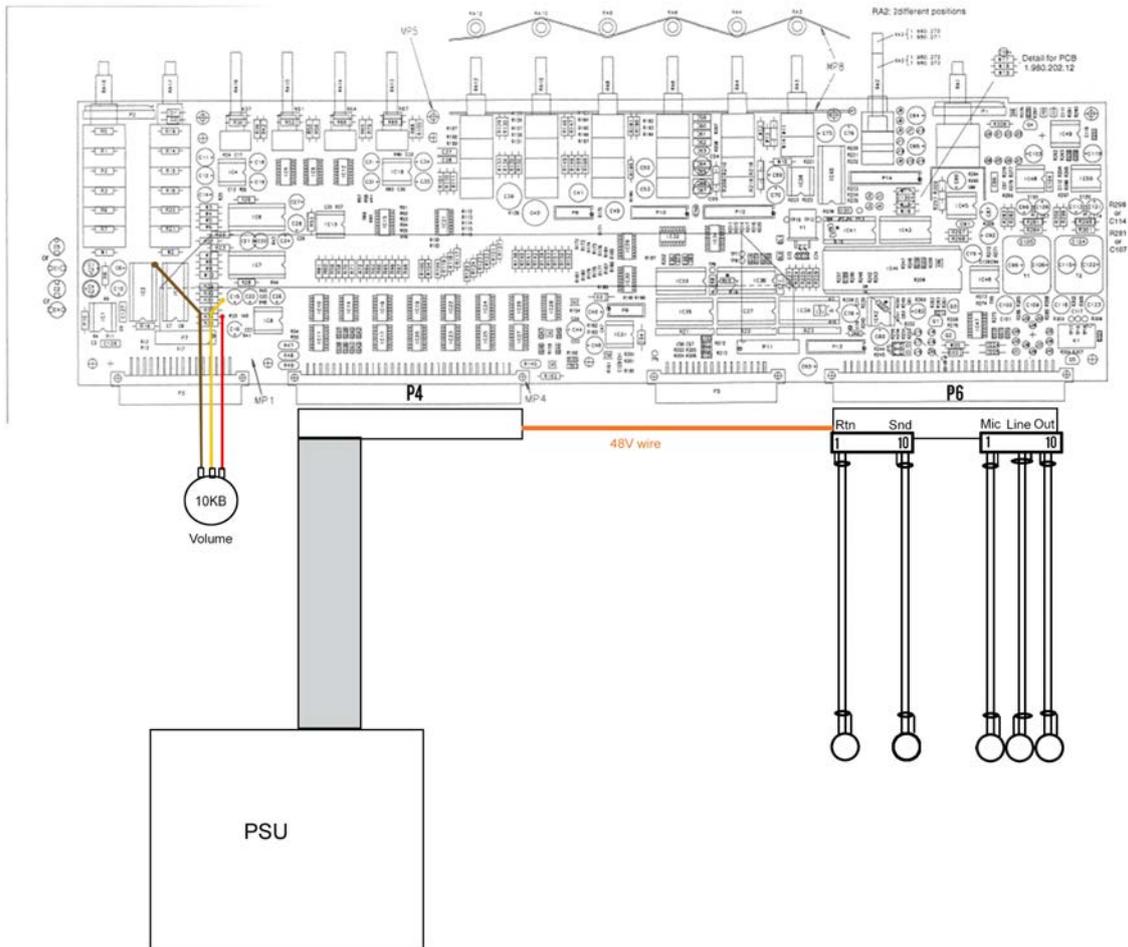


On the main pcb:

Locate the P3 connector and weld the 10KB potentiometer wires (not supplied)



STUDER 980 KIT WIRING



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.