

LABO ★ K EFFECTS

POWER SUPPLY KIT FOR NEVE 81/82 MODULES



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INTRODUCTION

This kit allows to built a power supply specifically designed for Neve 81/82 series Preamp and Equalizer modules to put them in a rack.
This Kit is designed to supply up to 8 pairs of Preamp & EQ.

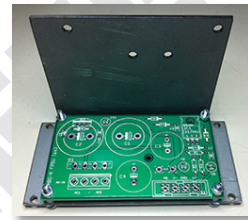
Power of the 2X18V transformer:

1 to 4 channels 50VA
5 to 8 channels 80VA

Optional accessory

Labo★K Effects FPSU Metalwork

Allows to secure PSU on the rack.

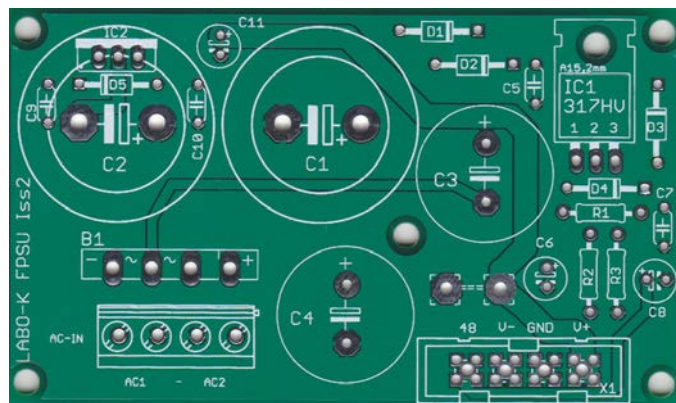


KIT OVERVIEW

1 PCB for connecting:

- 1 power transformer 2x18v (not supplied)
- PSU Bus

This card provides the +/- 26V PSU and the 48V regulated phantom needed for operating the Neve 81/82 Preamp and EQ modules.



Connectors and components.

The 2x18V power transformer is not supplied.

FPSU BOARD PARTS LIST

AC-IN 4 position bcp terminal bloc	
Connector X1 IDC16 One can use a 4 position bcp terminal bloc	
B1	Bridge RS602
D1, D2, D3, D4	1N4002
R1	180R
R2	15K
R3	12K
C1, C2	4700µF/63v
C3, C4	1000µF/100v
C5, C7	100n100v
C6, C8	47µF/63v
IC 1	LM317HV

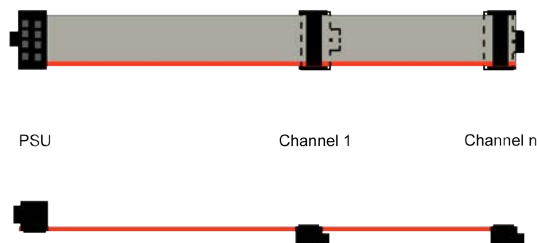
All resistors are 1/4w metal film 1%

FPSU BOARD CONNECTORS PINOUT

AC in	
1	AC 18V 1
2	AC 18V 1
3	AC 18V 2
4	AC 18V 2

Terminal		IDC16
1	+26V	1, 2, 3, 4
2	GND	5, 6, 7, 8
3	-26V	9, 10, 11, 12
4	+48V	13, 14, 15, 16

Fabrication of the PSU ribbon



FPSU BOARD ASSEMBLY INTRUCTIONS

1. Solder a strap on the PCB as shown in figure 1.
2. Solder components on the pcb

Note :

The standard connector X1 for Rack Mount kits 81/82 series is an 4 positions bcp terminal bloc. It can easily be replaced by an IDC16 connector if necessary.

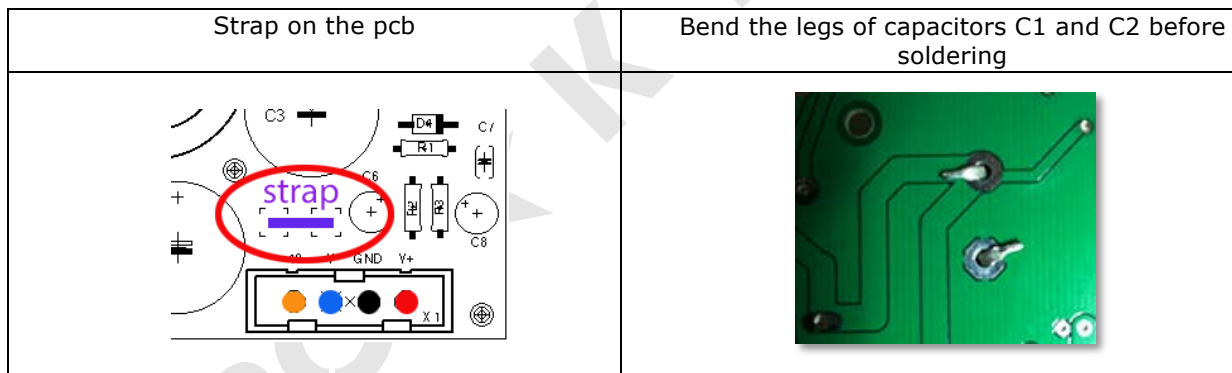
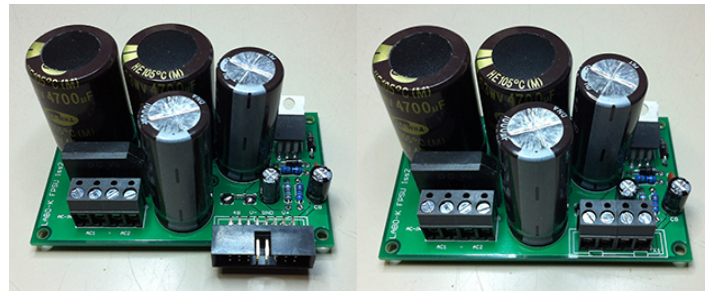
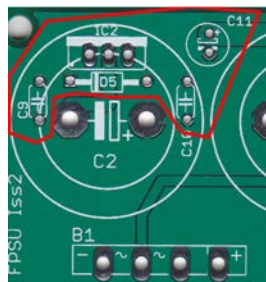


Figure 1

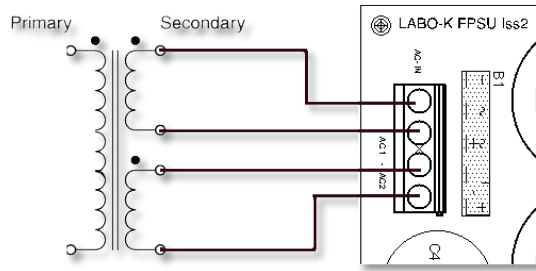
Note.

The components IC2, D5, C9, C10 and C11 are not fitted.

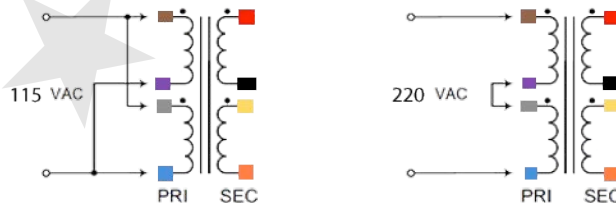
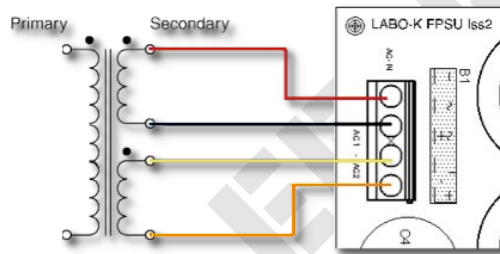


POWER TRANSFORMER WIRING

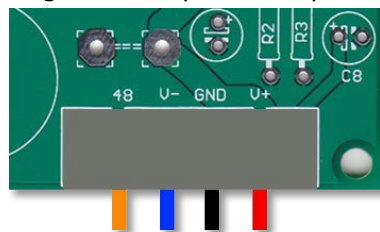
Connection of transformer 2X 18V



Colors of transformer wires



Wiring of the 4 positions pcb bloc



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.