



E G
L F O II

BUILD INSTRUCTIONS



Introduction

Thank you for purchasing EG/LFO II module.

Contents of kit

Sourced

- 1- EG/LFO II - S PCB (SMD presoldered) **x1**
- 2- EG/LFO II - S Faceplate **x1**
- 3- JPin-Header **x1**
- 4- Capacitor 10 μ **x2**
- 5- Potentiometer B100K **x3**
- 6- Medium Knob - Black **x3**
- 7- Jack socket 3.5 mono **x3**
- 8- Tactile switch **x1**
- 9- Tactile switch cap **x1**
- 10- LED Red/Green 3mm **x2**
- 11- LED White 3mm **x4**
- 12- LED Blue 3mm **x1**
- 13- Power ribbon cable **x1** *optional*

Warranty

BLACK NOISE warrants the contents of this kit to be free of defects in materials or workmanship and to be conform with the specifications at the time of shipment for a period of two years from the date of purchase.

We do not warrant, and we do not repair or take in modules to troubleshoot end-user DIY build faults or second hand DIY products.

BLACK NOISE cannot be held responsible for any damage caused by one of our DIY kits and resulting from an end-user DIY build faults.

*If you encounter problems in the assembly you can contact us at:
contact@blacknoisemodular.com*



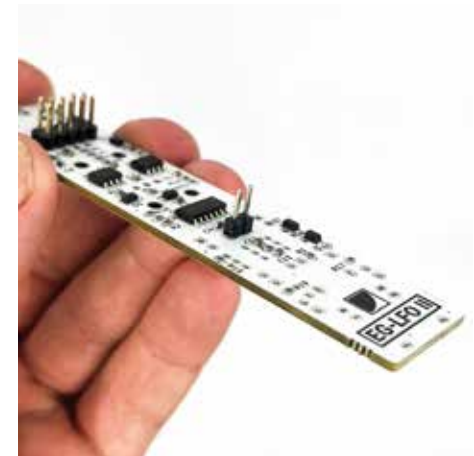
01 Place & solder the power header

Place the power header on the back side of the PCB and solder it. Once soldered, clean solder residue with isopropyl alcohol and a small soft brush.



02 Place & solder the expander header

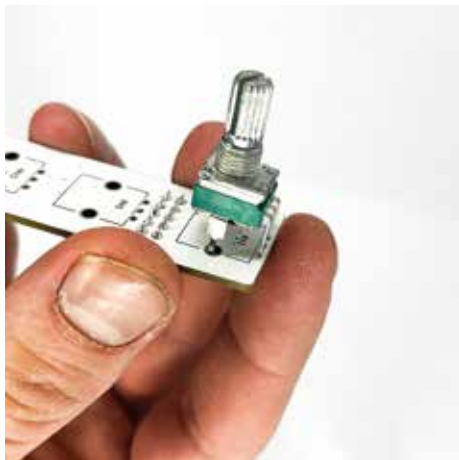
Place the expander speed header on the back side of the PCB and solder it. Once soldered, clean solder residue with isopropyl alcohol and a small soft brush.





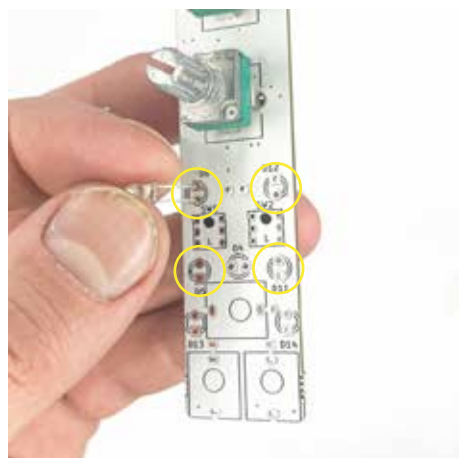
03 Place the potentiometers

Place the potentiometers on the PCB, do not solder them yet.



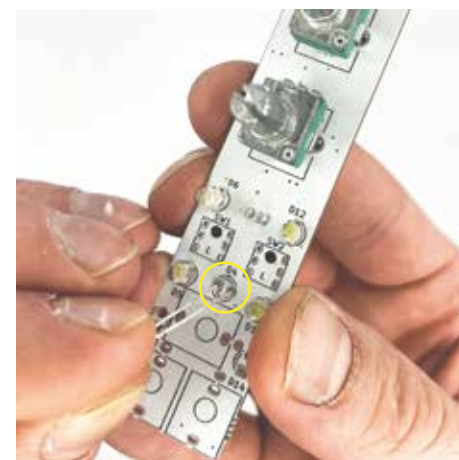
04 Place white LEDs

Place the white LEDs on the PCB. The white LEDs must be placed above and or below the location for the switches. For each LED make sure that the shortest leg (the cathode) is in the square hole. Do not solder them yet.



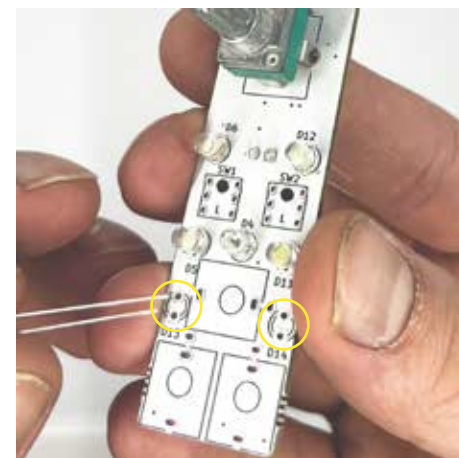
05 Place Blue LED

Place the blue LED on the PCB. The blue LED must be placed above the jack connector. Make sure the shorter leg (the cathode) is in the square hole. Do not solder it yet.



06 Place Green/Red LEDs

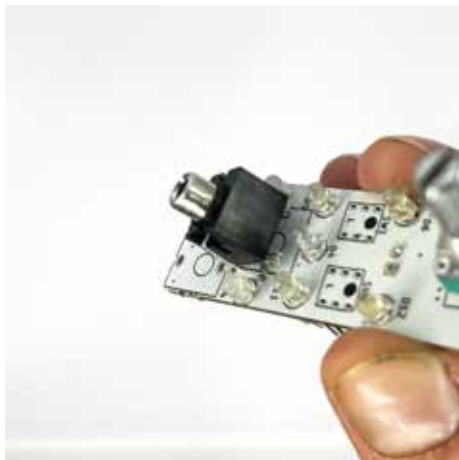
Place the dual Green/Red LEDs on the PCB. The dual LEDs must be placed above the jack connectors. For each LED make sure that the shortest leg (the cathode) is in the square hole. Do not solder them yet.





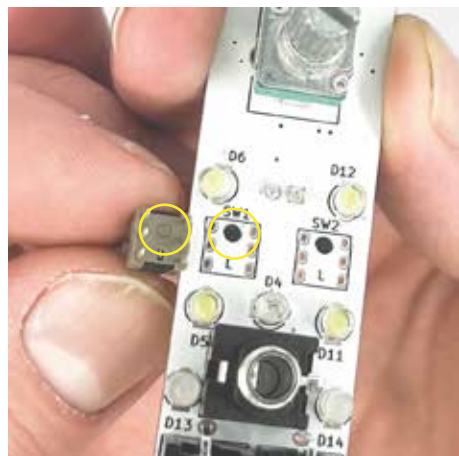
07 Place the jack connectors

Place the jack connectors on the PCB. Do not solder them yet.



08 Place the switches

Place the switches on the PCB. Make sure that the circle marking under the switch lines up with the black dot of the switch footprint on the PCB. Don't solder them yet.



09 Place the faceplate

Place the faceplates and screw the nuts of the jack connectors and potentiometers.



10 Solder switches

Start by soldering the switches, make sure they are flush with the PCB before soldering the pins.

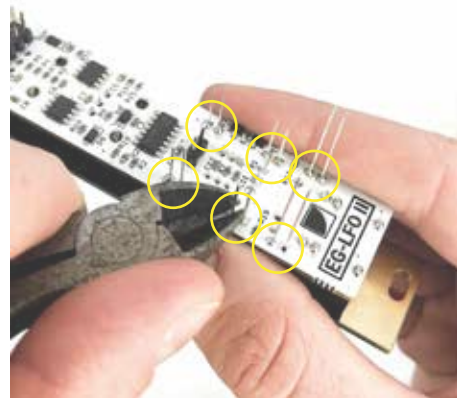


**11 Solder jack connectors**

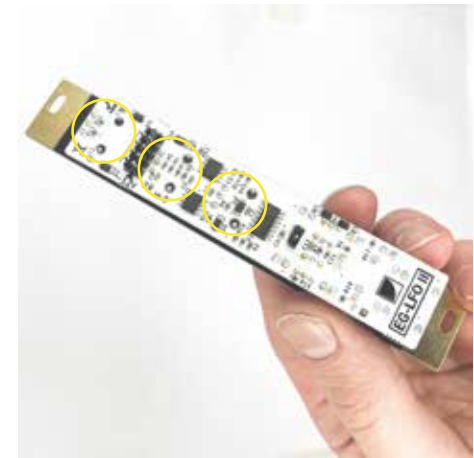
Solder the jack connectors, make sure they are flush with the PCB before soldering the pins.

**12 Solder & trim LEDs**

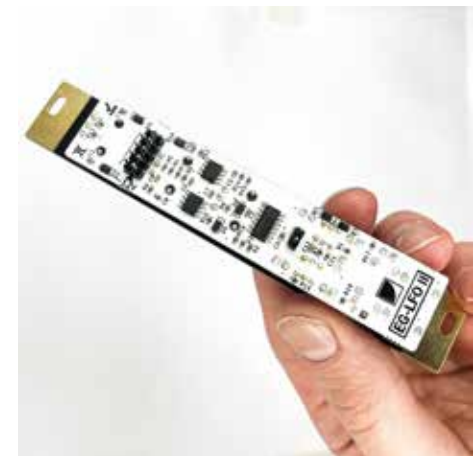
Solder the LEDs, make sure they are flush with the PCB before soldering the pins. Once soldered, cut the legs of the LEDs with pliers.

**13 Solder potentiometers**

Solder the potentiometers, make sure they are flush with the PCB before soldering the pins.

**14 Clean the PCB**

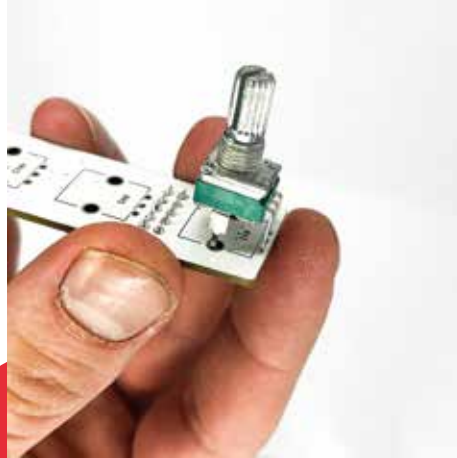
Once all the components are welded, check that all the pins are correctly welded, that there are no bridges etc. Clean solder residue with isopropyl alcohol. isopropyl alcohol and a small soft brush.





15 Check your module

Test the continuity of your module. Use a multimeter set to continuity and connect one of the probes to one of the pins in the center of the power connector. With the other probe touch the +/-12V pins at each end of the connector. Your multimeter should not ring. If it rings, there is a fault, please contact us at contact@blacknoisemodular.com for debug.



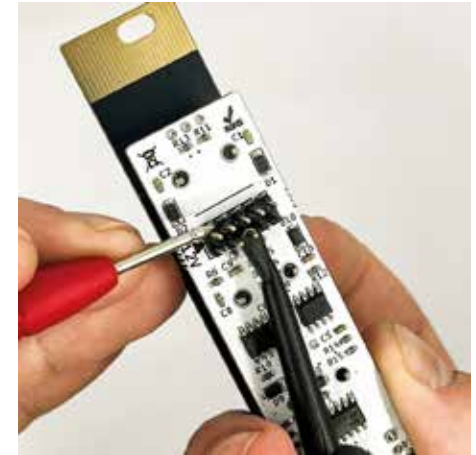
16 Place knobs

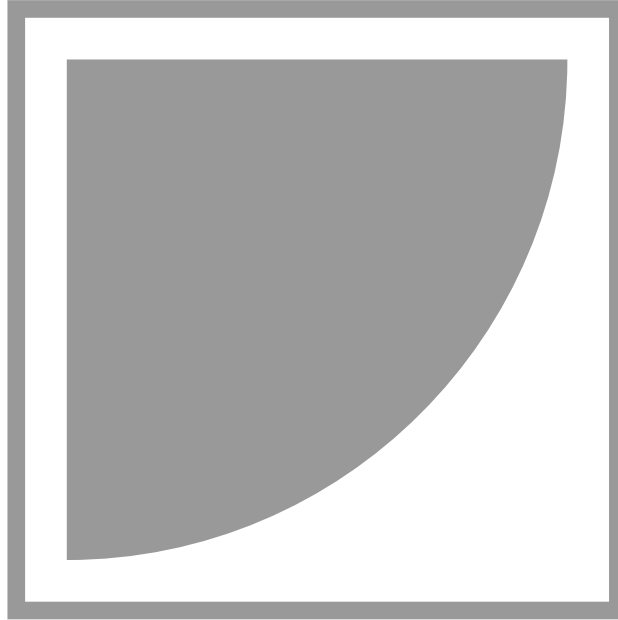
Place the knobs on the potentiometers and screw them using the screw at the bottom of the knob.



17 Test your module

For more information on connecting to your rack and the possibilities of your EG LFO II consult the user manual accessible by scanning the QR code.





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