

GOMA II

Build Instructions

V1.0



KIT CONTENTS

Thank you for purchasing
GOMA II DIY Kit.

**BEFORE ASSEMBLING YOUR
KIT, MAKE SURE YOU HAVE
ALL THE COMPONENTS.**

01-Faceplate
02-PCB Main Board

BAG A

A1 Pot-T B100K 04pcs
A2 Switch 2P 04pcs
A3 LED R/G 04pcs
A4 LED Spacer 04pcs
A5 Jack Socket 08pcs
A6 Jack Nut 08pcs

BAG B

B1 Header 2x5 01pcs
B2 Header 1x2 01pcs
B3 Exp Cable 01pcs
B4 Power Cable 01pcs

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.



A1

CONNECTOR

Power connector

Place the 10-pin power connector on the back of the PCB as shown in image **A**.

Solder one leg to one end of the connector and make sure the connector is properly positioned and aligned before soldering the opposite leg, then solder the remaining legs.

Daisy chain connector

Use a pair of pliers to separate each of the pins as shown in image **B**.

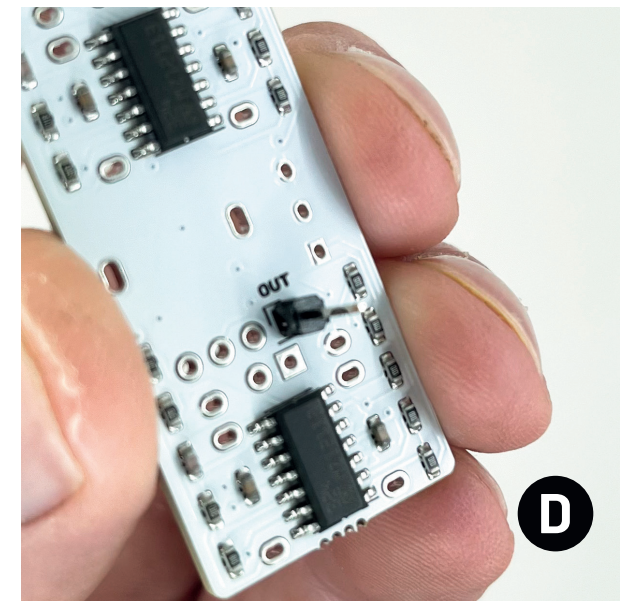
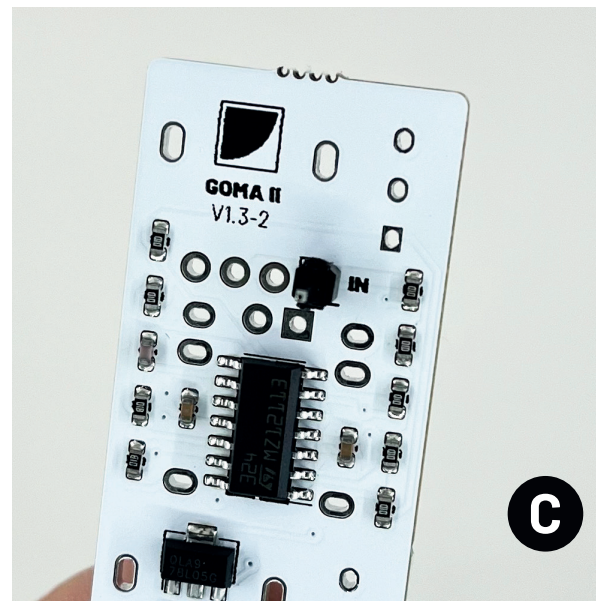
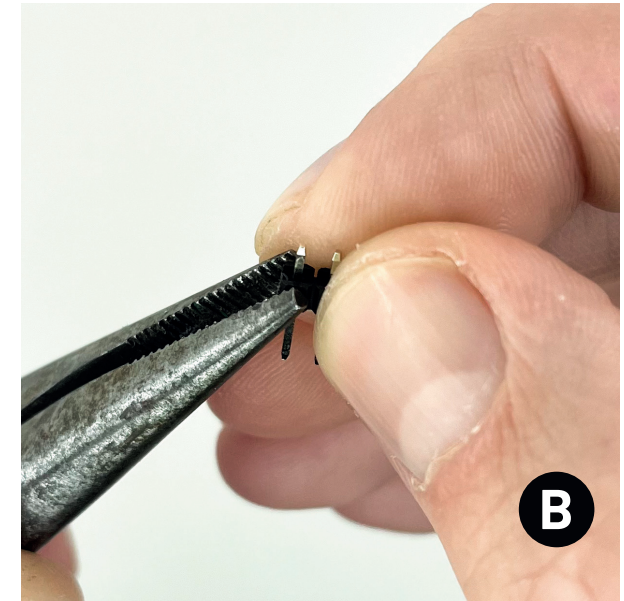
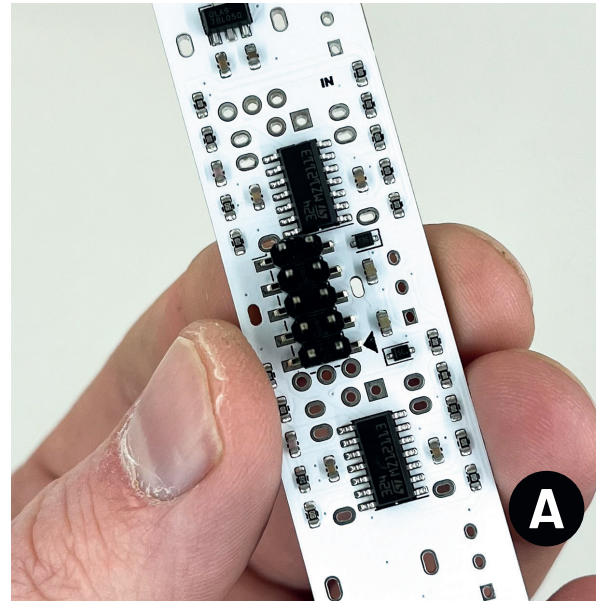
Place one of the pins in the slot next to the "IN" label as shown in image **C** and solder it.

Place the other pin in the slot next to the "OUT" label as shown in image **D** and solder it.

Check & Clean

Once all connectors are soldered, check for any cold solder joints or bridged pins.

Clean off any flux residue using isopropyl alcohol and a soft-bristle brush.



A2

LED

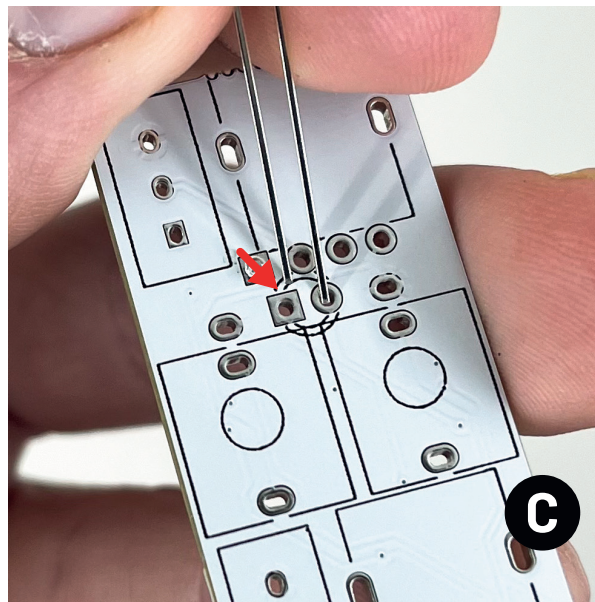
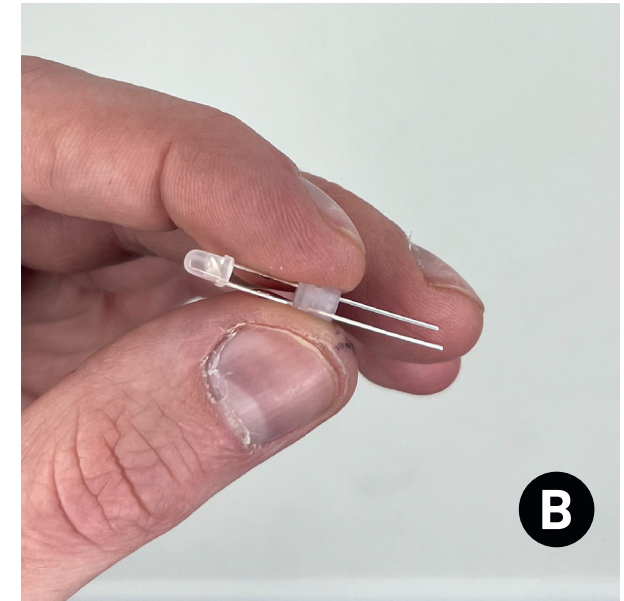
LEDs & Spacers

Place each LED spacer onto one of the bicolor LEDs as shown in image **A**.

Slide the LED spacers along the LED leads and make sure they are firmly against the head of the LEDs.

Place each LED with the spacers onto the PCB, make sure that the shorter lead of the LED aligns with the square hole on the LED footprint as shown in image **C**.

Repeat this process for each of the 4 LEDs.



A3

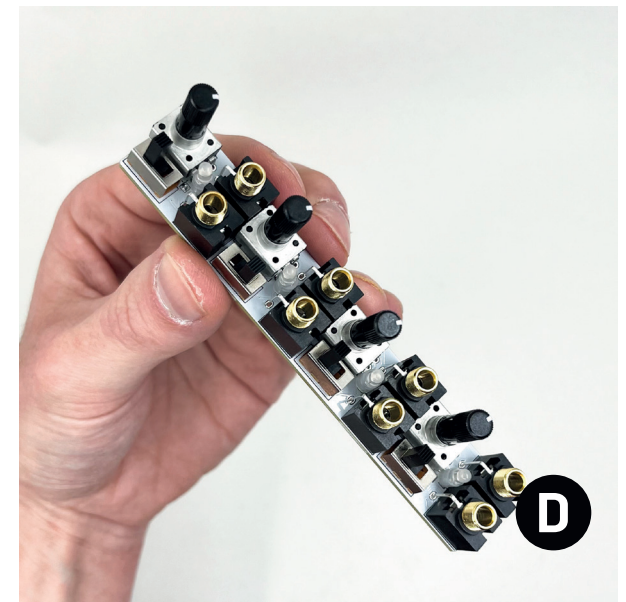
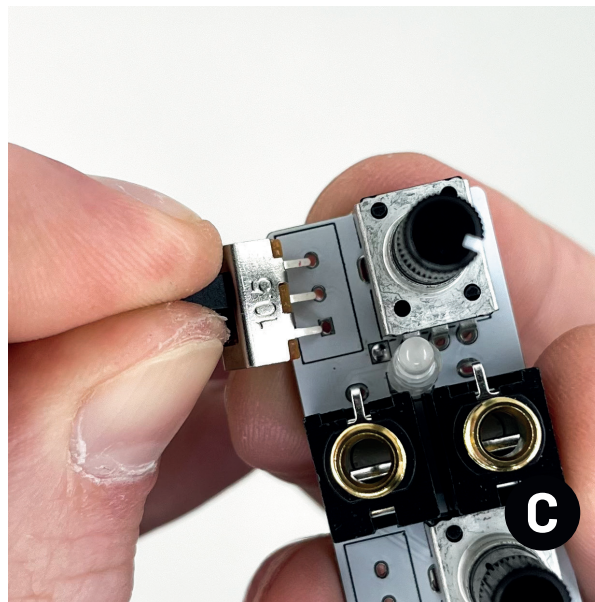
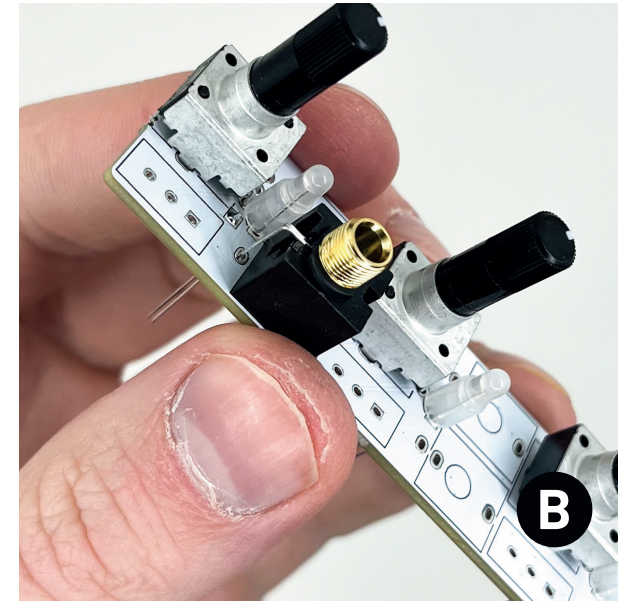
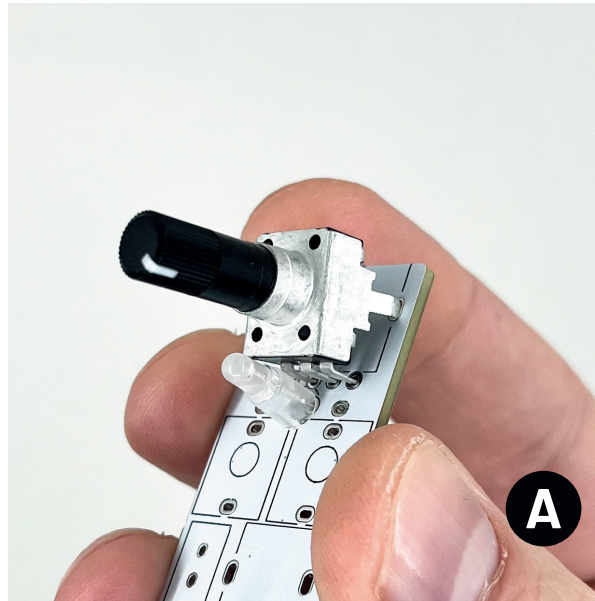
Place the 4 potentiometers as shown in image **A**.

Place the 8 jack connectors as shown in image **B**.

Place the 4 two-position switches as shown in image **C**.

Make sure all the components are properly installed as shown in image **D**.

Components



A4

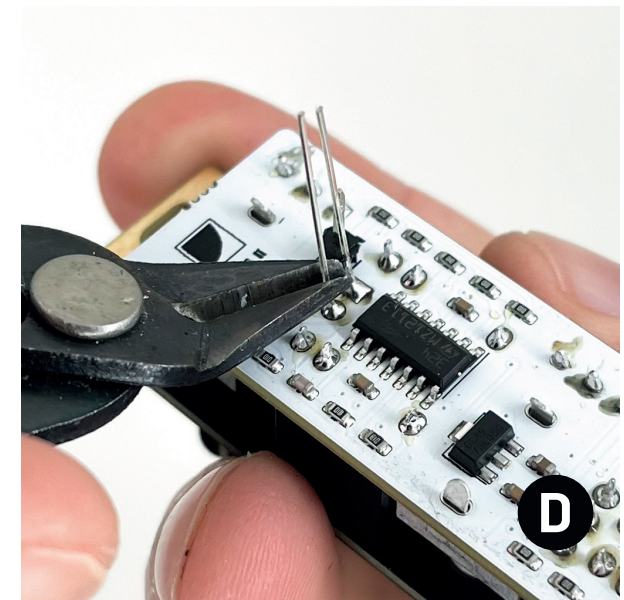
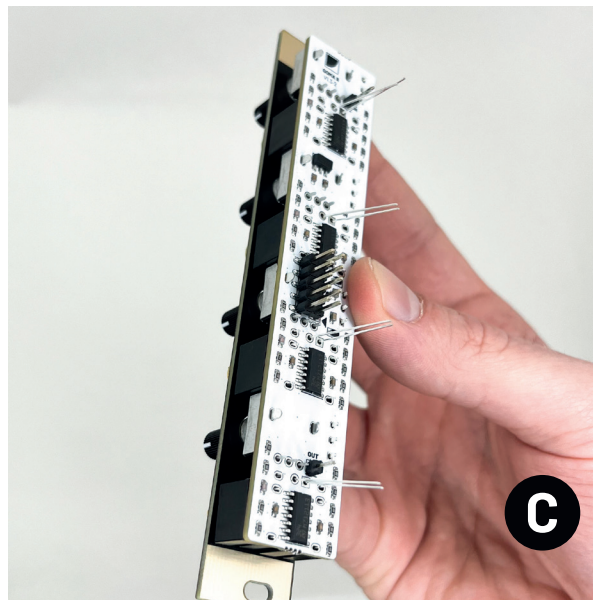
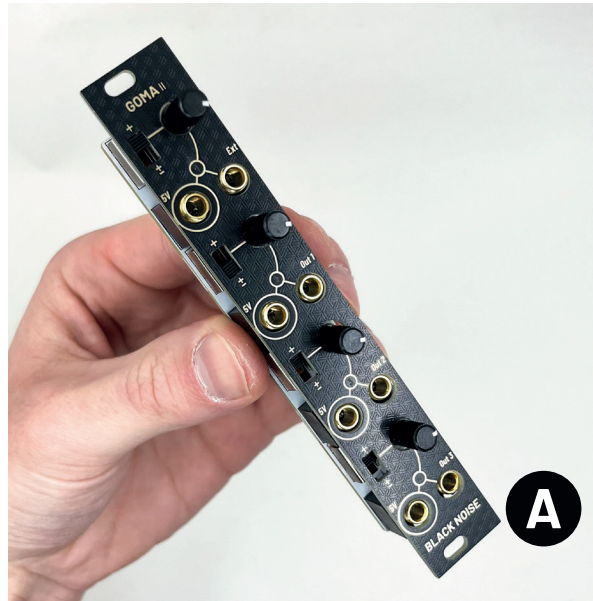
Faceplate

Once all the components are in place, install the faceplate as shown in image **A**.

Screw on the nuts for the 8 jack connectors as shown in image **B**.

Flip the module over and solder all the components on the PCB as shown in image **C**. For each component, make sure it is flush with the PCB before soldering. Once all the components are soldered, check for any cold solder joints or bridged pins.

After all the components are soldered, cut the LED leads as shown in image **D**. Once the LED leads are cut, clean off any flux residue using isopropyl alcohol and a soft-bristle brush.



A7

Testing

You can now 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 then -12V pins at each end of the connector. Your multimeter should not ring.

Once you make sure that there is not short circuit, you can install the power cable included in the kit and connect you new GOMA II in you case.

