



# Dual Combinator

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Build Instructions

V1.0



# KIT CONTENTS

Thank you for purchasing DC DIY Kit. DC is a unique and innovative module that combines the strength of both Unity Gain and Averager mixers without their weaknesses. Along with some additional unique features that make it stand out from other mixers on the market.

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

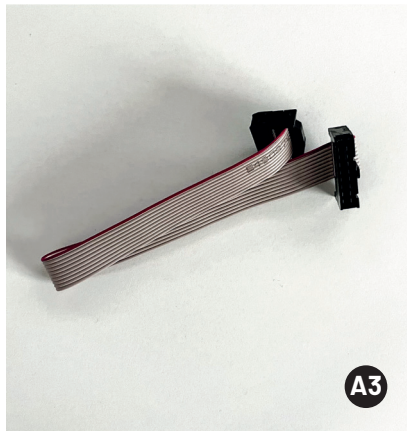
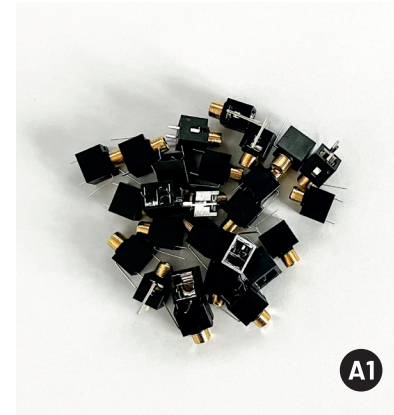
**01-Faceplate**  
**02-PCB**

## BAG A

**A1-Jack Socket 8pcs**  
**A2-Jack Nuts 8pcs**  
**A2-Power cable 1pcs**

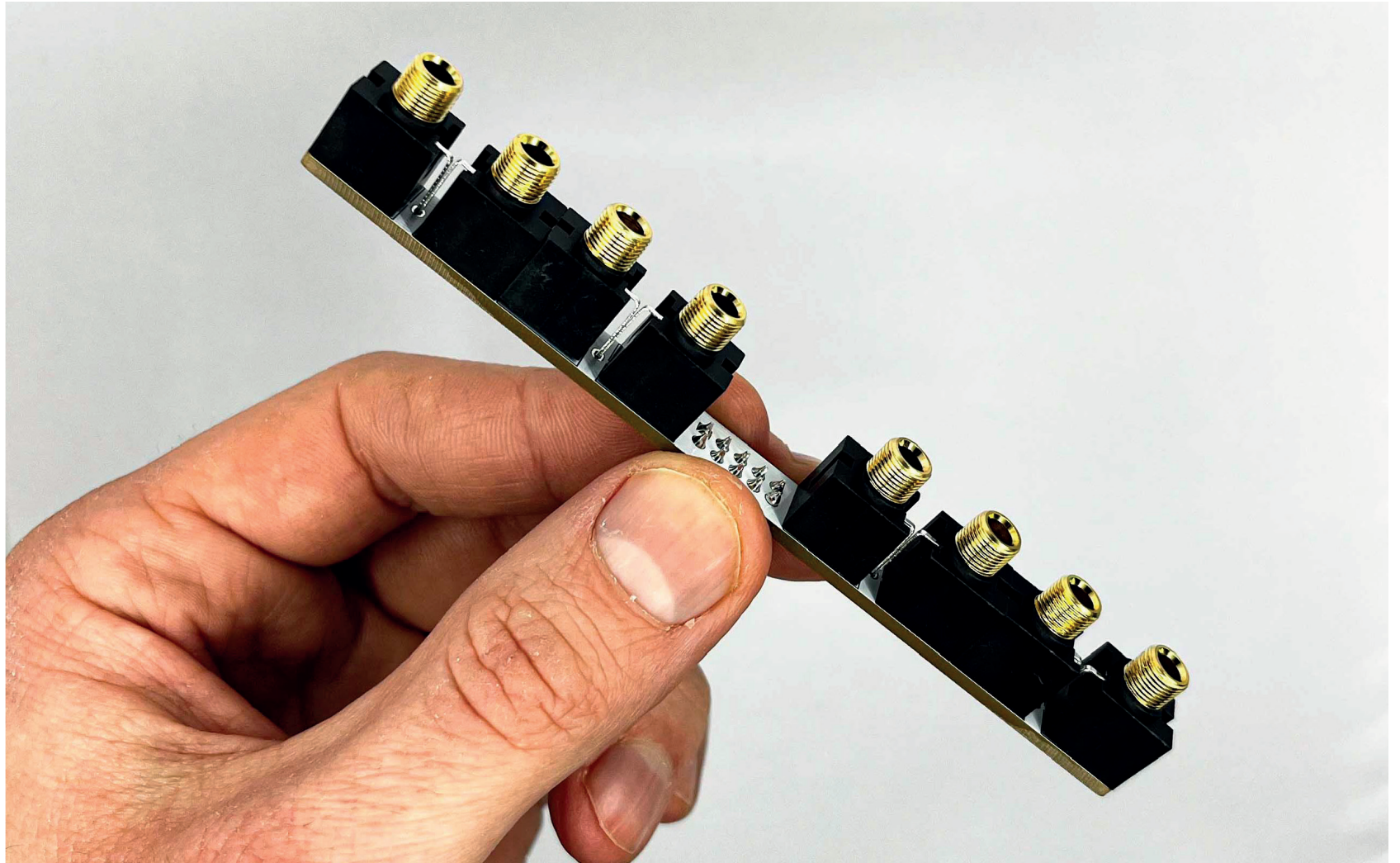
## WARRANTY

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.



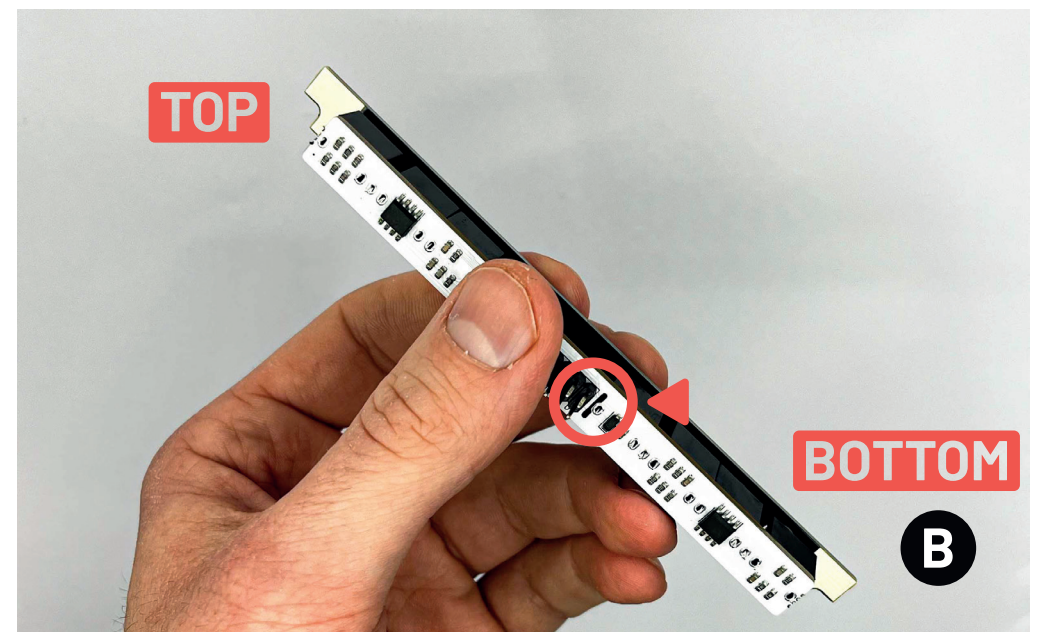
# A1

Start assembly by placing the jack connectors **A1**. The connectors must be placed head to head in pairs as in the image.



## A2

Once the jacks are installed, place the faceplate on the jacks, **PAY ATTENTION TO THE ORIENTATION OF THE FACEPLATE**. Flip the PCB over and identify the black mark indicating -12V on the power connector like on the picture **B**. This mark indicates the bottom of the module, make sure to align the faceplate so that the name of the DC module written on the faceplate is at the top of the module as in image **A**



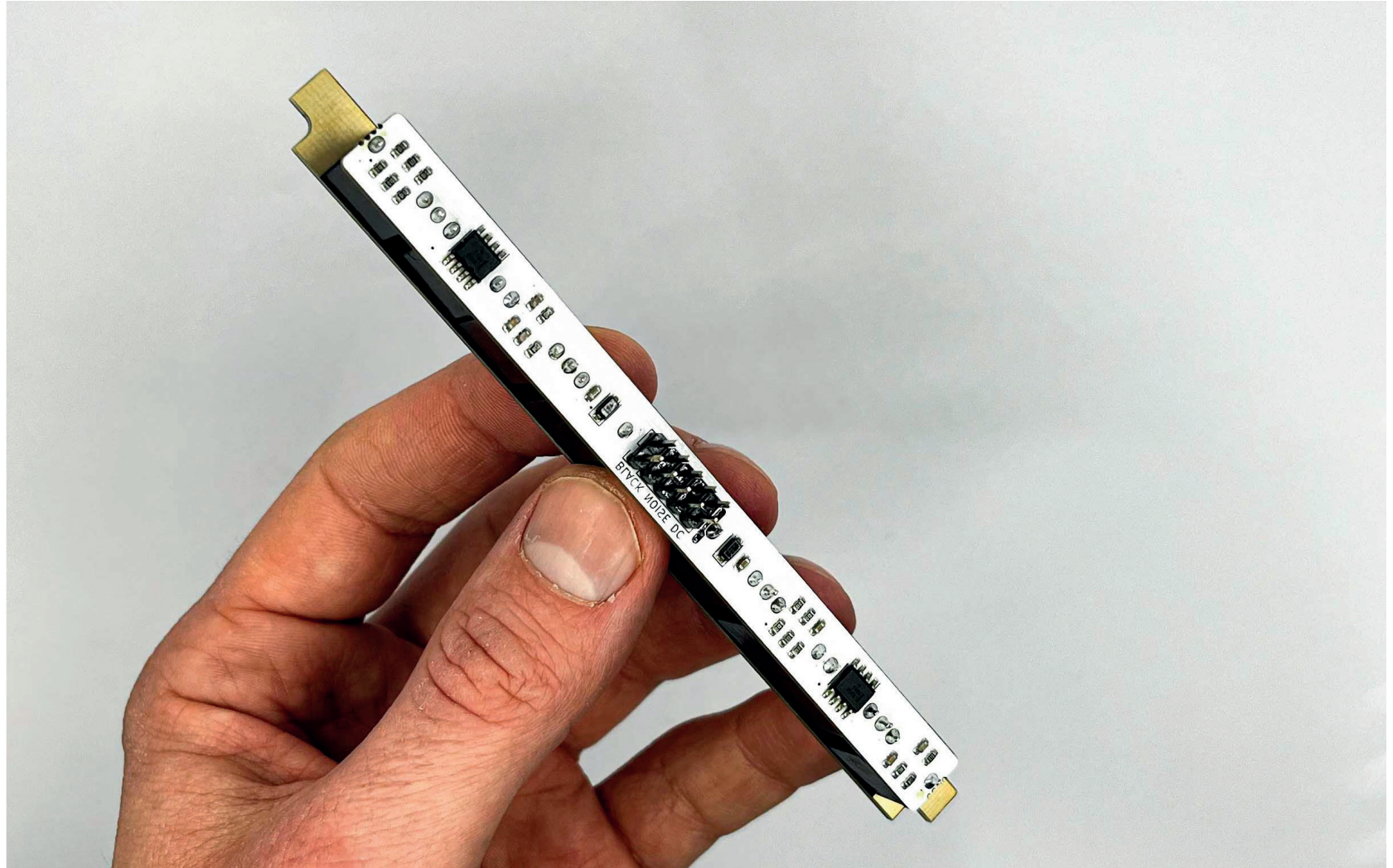
## A3

Once you have ensured that the faceplate is correctly placed, screw the 8 nuts **A2** onto each of the jack connectors.



# A4

When all the nuts have been screwed in, turn the PCB over and solder each of the jack connectors. Make sure the connectors are flush with the PCB before soldering them. Once all the connectors are soldered, check that all the connectors have been soldered correctly and that there is no solder bridge or cold solder.

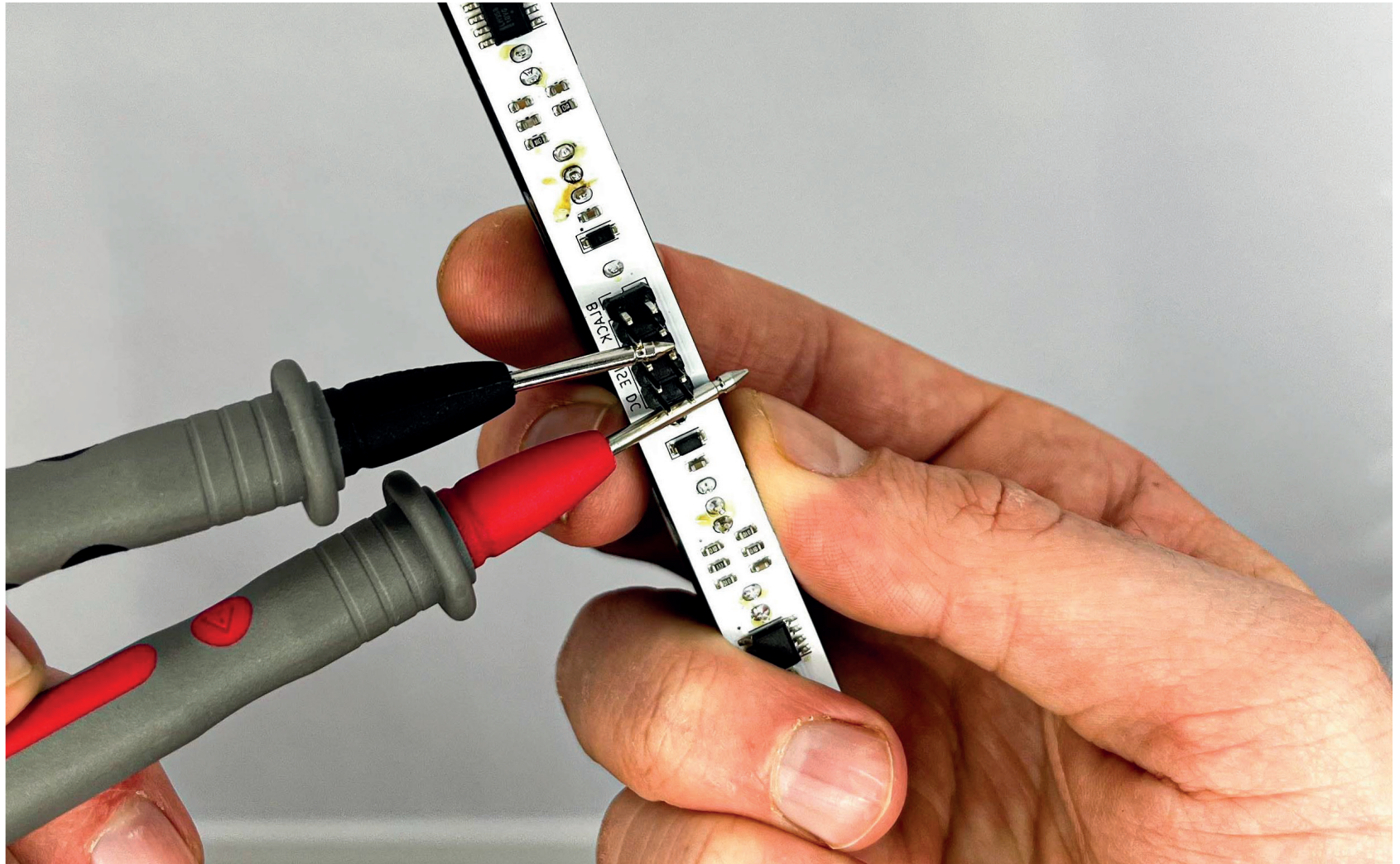


# A5

# CONTROL BOARD

You can test the continuity of your module. Set your multimeter 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 proceed to the next step.



## A6

## MAIN BOARD

Clean any flux residue with Isopropyl Alcohol and a clean brush.

Install the power cable **A3** included in the kit. Make sure to align the red line on the cable with the black mark below the power connector. You can now connect your module in your case and enjoy it.

