



S A M - C

BUILD INSTRUCTIONS



Introduction

Thank you for purchasing of SAM-C.

For our first OHP module, we wanted to take advantage of the benefits of passive modules. But we also wanted to incorporate as many features as possible. The result is SAM-C, a small module that takes up no space in your rack and can perform many simple but useful utility functions.

Contents of kit

Sourced

- ☐ 1- SAM-C PCB **x1**
- ☐ 2- SAM-C Faceplate **x1**
- ☐ 3- 10K resistors **x3**
- ☐ 4- 100K resistors **x2**
- ☐ 5- 3.5mm Jack socket mono **x3**
- ☐ 6- Potentiometer B100K **x1**
- ☐ 7- Small knob **x1**

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 Configure your SAM-C

SAM-C has two modes:

A - crossfader

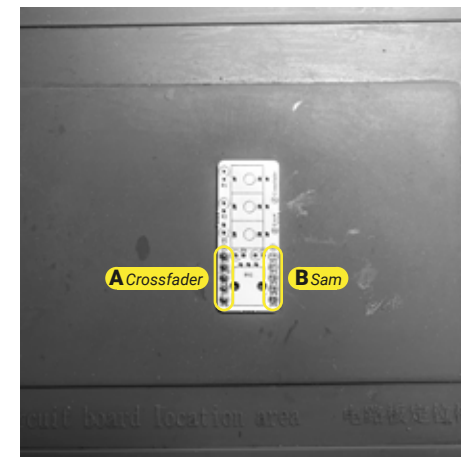
B - S.A.M.

To configure your module as a crossfader, make sure the **A** jumpers-pads are soldered, the **B** jumpers-pads must not be soldered.

You can use desoldering wire to remove the solder from the jumpers-pad.

To configure your module, the S.A.M **B** jumpers-pads must be soldered bridged and the **A** jumpers-pads must be unsoldered.

You can use desoldering wire to remove the solder from the jumpers-pad.



02 Prepare resistors

the resistors must be soldered upright. Bend one of the legs for each of the resistors as in the picture.



**03** *Install the 10K resistors*

Place the 10K resistors R1, R2 and R5 as shown in the picture. Do not solder the resistors yet.

**04** *Install the 100K resistors*

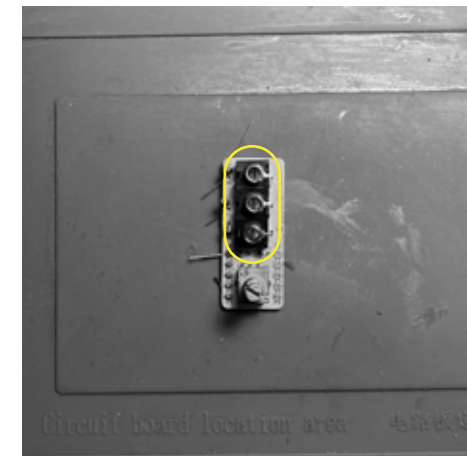
Place the 100K resistors R3 and R4 as shown in the picture. Do not solder the resistors yet.

**05** *Install the potentiometer*

Install the potentiometer, do not solder it yet.

**06** *Install the jack sockets*

Install the jack sockets, don't solder it yet.





07 Install the faceplate

The faceplate has two sides, on one side it says **SAM** below the potentiometer, on the other side it says **Crossfader**. Place the faceplate for which indicates the selected mode.



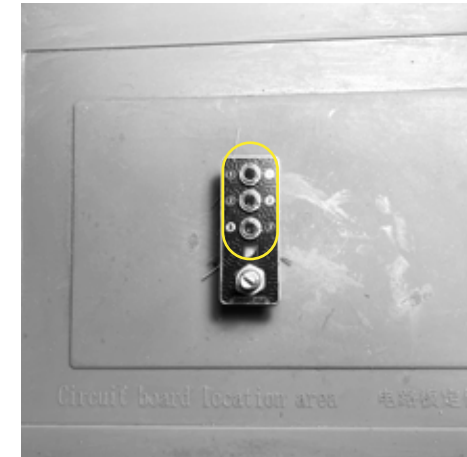
08 Install the potentiometer nut

Place the nut of the potentiometer and screw it.



09 Install the jack sockets nuts

Place the nuts of the jack sockets and screw them.



10 Solder the components

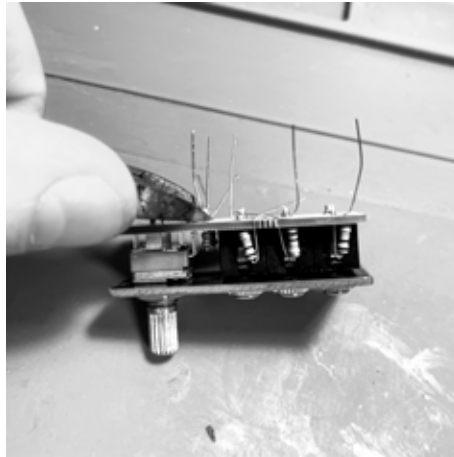
Turn over your module and solder the components starting with jack sockets, the potentiometer and the resistors.





11 *Cut the legs of the components*

Once soldered, you can cut the legs of the resistors as close as possible to the PCB.



12 *Clean the PCB*

Clean the PCB of flux and solder residue using Isopropyl alcohol.



13 *Install the knob*

Place the potentiometer fully anti-clockwise and place the knob. Press down lightly. Turn the potentiometer fully clockwise to ensure that the knob is correctly placed. If it is not correctly placed correct the position and repeat the operation. Once the knob is correctly placed push it on the shaft of the potentiometer.

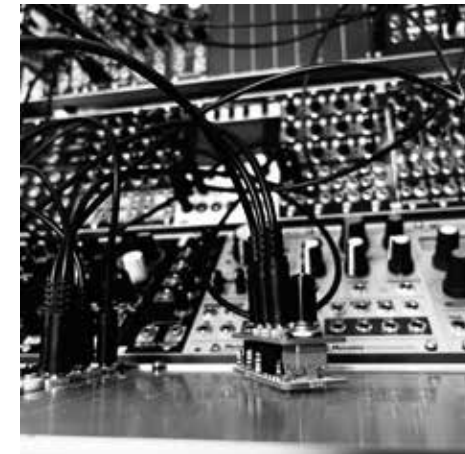


14 *Test your SAM-C*

You can now test your SAM-C. To learn more about the different modes you can consult the manual using the QR code below.



Scan to
access the
SAM-C manual





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