

If you are reading this, most probably, you are about to build Erica Synths DIY Mixer. This module is 30mm deep, skiff friendly, has solid mechanical construction and doesn't require wiring. It's simple, straight-forward audio mixer an essential part of any modular setup.

The DIY Mixer kit comes in three versions:

- 1) PCB,
- 2) PCB + panel,
- 3) Full kit.

FEATURES:

- Three AC coupled audio inputs
- Two outputs
- Skiff-friendly design

SPECIFICATIONS:

- Mixer gain 1
- Panel width 6HP
- Module depth 30mm
- Power consumption 4mA@+12V, 4mA@-12V



- 1 These are input level attenuators! Set desired level for each input signal!
- 2 These are inputs, obviously. Patch audio signals here!
- 3 These are outputs! The mixed signal is available on both outputs simultaneously.

ASSEMBLY

Take precautions with regard to electrostatic discharge (ESD) safety. Handling components should be done in electrostatically safe environment. Use personal and workplace grounding. Any discharge (even a minor one) from body to a component may permanently damage it.

Our PCBs have silkscreened both component values and designators nevertheless we highly recommend you to print out files with component placement before you start assembly of the module. And, please, at least take a look on this manual!

Some components are marked as NU (not used) – leave those unpopulated! Some components are market as OPTION (those are for optional modifications) – leave those unpopulated for now.

1

Erica Synths DIY mixer is the most easy module to build! Solder resistors, diodes and ferrite beads!



2

Solder IC socket, ceramic capacitors and resettable fuses!



3

Solder electrolytic capacitors and PSU connector! Mind polarity of the capacitors!



4

Turn a PCB around and solder potentiometers and jacks! Install the front panel and fix it with jack and potentiometer nuts!



This is the negative lug of the electrolytic capacitor!



Congratulations! You have completed Erica Synths DIY Mixer! The modules doesn't require calibration and will work straight away.