

# Coil Winder

**REAL:**



## Triggermatrix 4

### CODE, FIRMWARE

Install [MIOS Studio](#), connect a Core-Stm32F4 via USB, and Start the STUDIO

1. Upload [MIOS BOOTLOADER](#)

2. (only needet for Virgin Machines) type following commands into the MIOS-TERMINAL:

- set lcd\_type GLCD\_SSD1306\_ROTATED
- set lcd\_num\_x 2
- set lcd\_num\_y 1
- set lcd\_width 128
- set lcd\_height 64
- store

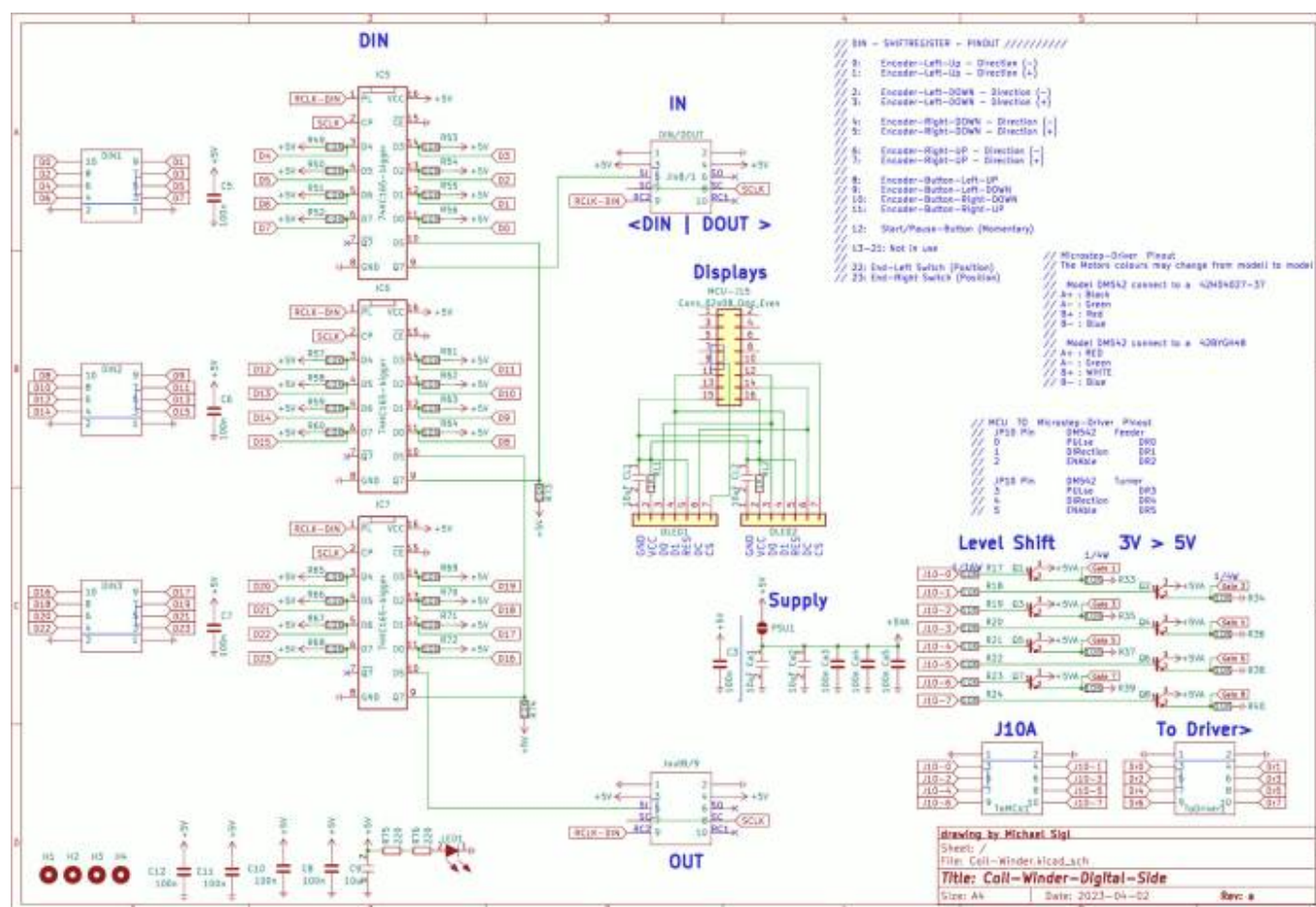
3. Unzip [the Firmware](#), and Upload the project.hex

4. Unconnect USB & Connect the USB again — finished.

**5. If the Machine is not detected by mios studio, and you already checked the usb-connections, the device or the code is broken, for that you may search for “Bootload Switch”, please set it to “bLOAD”, now you can upload new & unbroken codes, dont forget to set it to “normal” back again - after upload new code - else the APP will not boot...**

## BUILD

### Shemata



The Rest is stated in the youtube video, in TimeLapse

You can use any motor you like, the code is programmed for a Motor that takes 400 steps for a whole 360° turn... if you use other motors you need to adapt the code (which you can download a bit above...)

## Community users working on it

- **Phatline** = Programming, Documentation, Hardware-Prototype, Testing, Winding

## Getting Involved ?

Just let a Private message on the forum to user already involved

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Last update: **2023/04/02 20:10**

