# Coil Winder

**REAL:**




## 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:**

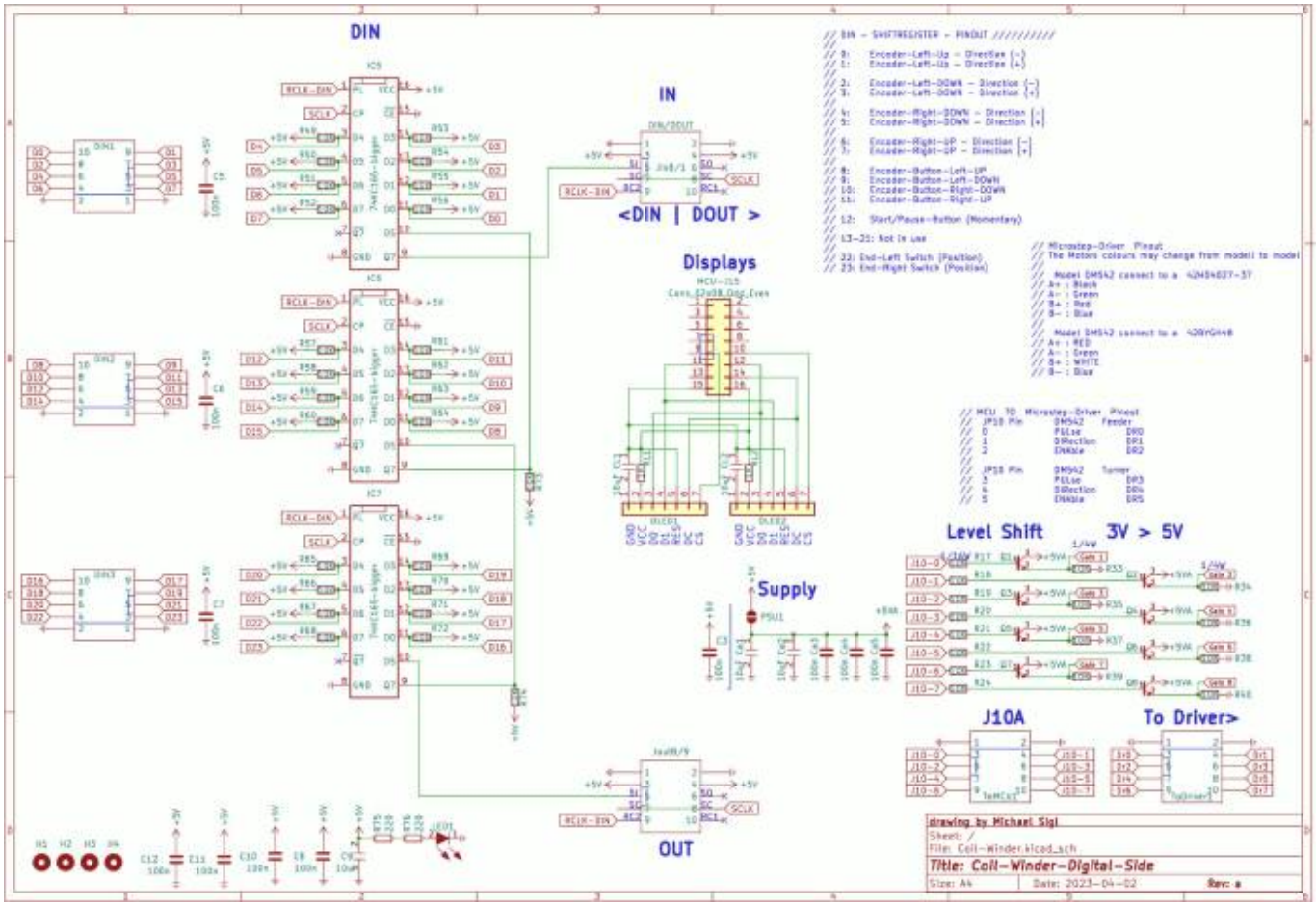
- set lcd_type GLCD_SSD1306_ROTATED
- set lcd_num_x 2
- set lcd_num_y 1
- set lcd_width 128
- set lcd_height 64
- store

**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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