

# CNC Handheld

## Firmware

the software for the ESP8266 (I use an NodeMCU) is written and flashed with the Arduino Studio.

### DOWNLOAD:

display.zip

To make the Arduino Studio support the ESPs, the following boardmanager URL must be given (settings): [http://arduino.esp8266.com/stable/package\\_esp8266com\\_index.json](http://arduino.esp8266.com/stable/package_esp8266com_index.json)

then you can select the board NodeMCU 1.0 (ESP-12E modules), this selection fits for all my ESP8266 modules. The upload speed works here with the value of 921600, and as port I set /dev/ttyUSB0. Everything else stays at the default values.

## BEFORE flashing

the WLAN access data must be entered. In the file display.ino search the following lines

```
char* ssid = „xxxxxxx“;  
char* password = „xxxxxxx“;
```

and enter the access data of your router.

After that you can flash. It is best to open the Arduinio Monitor to check the successful login into the wlan.

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