Summary
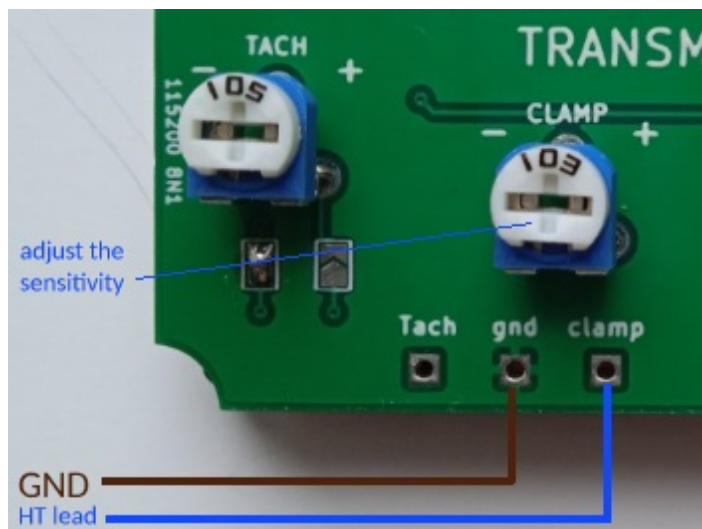
Connection

Connect the ECU tachometer output to "**TACH**" input on the PCB.
Close **left** solder pad for signal less then **+5v**.
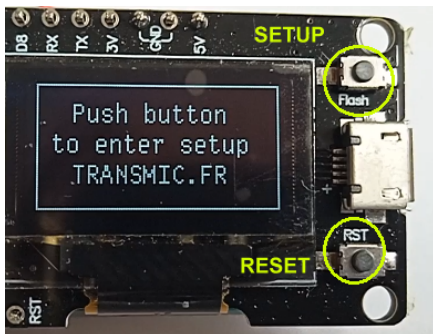Close **right** solder pad for signal less then **+50v** and adjust the sensitivity.
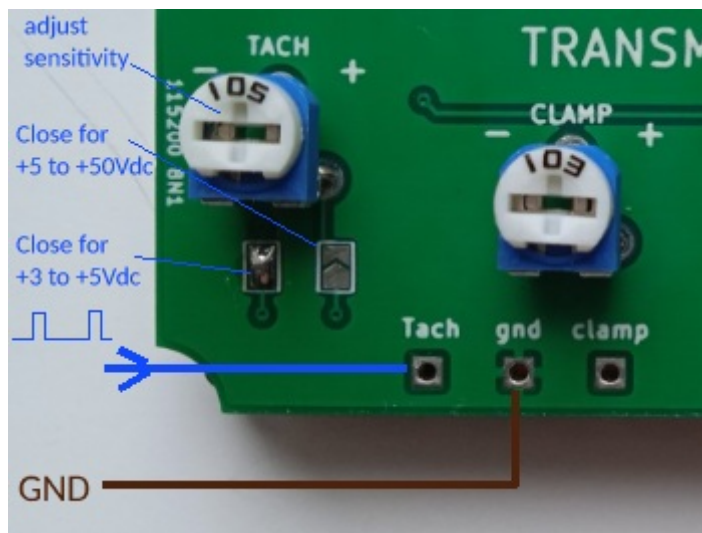
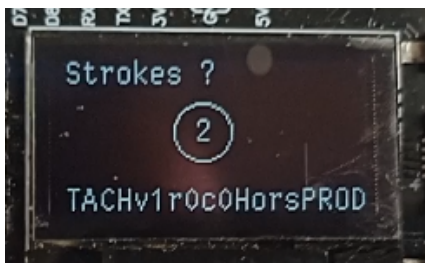or connect a wire wrapped around the HT lead to "**Clamp**" input on the PCB and adjust the sensitivity

Setup Mode

1) **Power on** (+12v) the Tachometer.
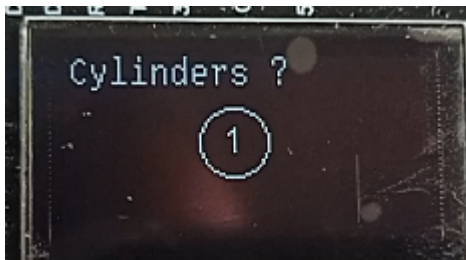
2) Within 2 seconds, press the SETUP button.

3) Press Setup button to select between **2 or 4 strokes**.

Wait 5 second for the displayed value **to be validated.**

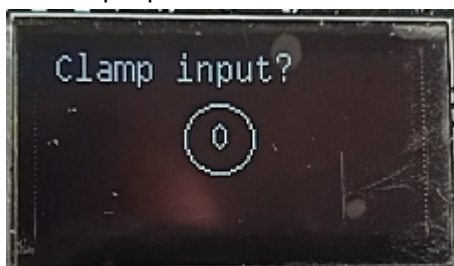4) Press Setup button to select **1 to 8 cylinders**.

Wait 5 second for the displayed value to be validated.

5) Press Setup button to select **Clamp input** (*a wire around the sparkplug cable*).
0 (default) = Disabled and **Tachometer** input is Enabled
1 = Clamp input Enabled and Tachometer input is disabled

Wait 5 second for the displayed value to be validated.

V1R0C0

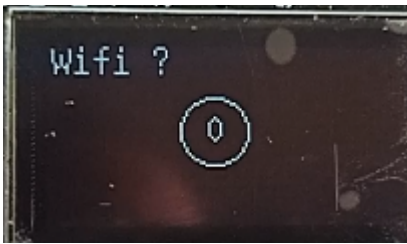6) Press Setup button to change the **Display Refresh**.

5 (default) = 500millisecond = 0.5 second

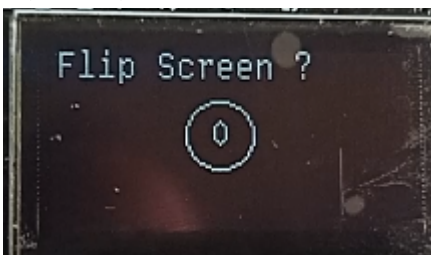7) Press Setup button to start **WiFi Display**.

0 (default) = Disabled and USB Display Enabled

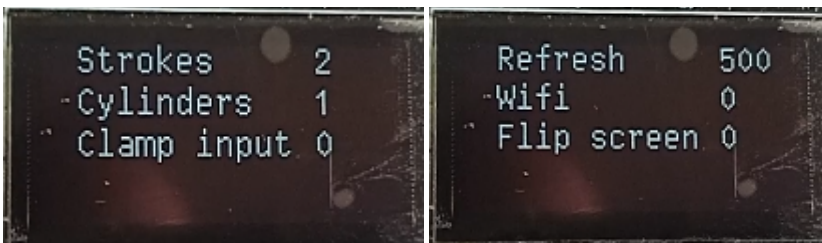1 = WiFi Enabled and USB Display Disabled

8) Press Setup button to **Flip the Screen**.

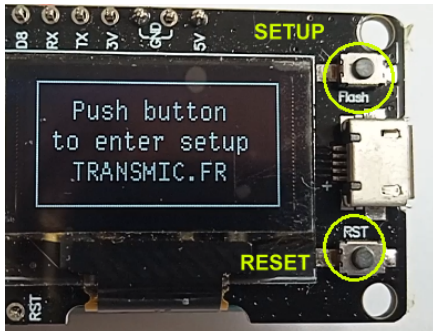0 (default) = Disabled

9) A **Summary** is displayed.

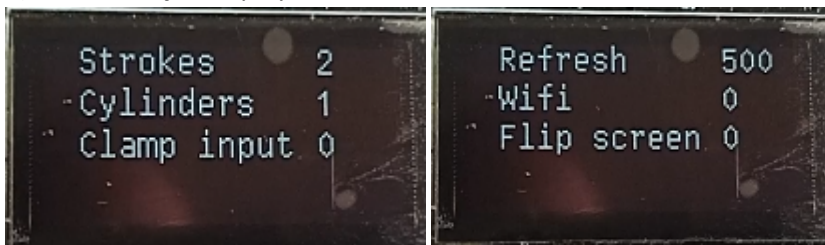10) Finally Press the **RESET** button

V1R0C0
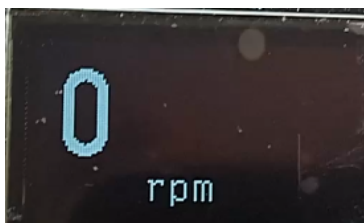
Run Mode

1) **Power on** (+12v) the Tachometer.

2) Wait 2 seconds

3) A **Summary** is displayed.

3) The Tachometer is **ready**.

WIFI Connection

1) If WiFi is Enabled the Tachometer box starts a **WiFi AP** (*Access Point*)

2) On your phone, laptop, PC, whatever, go to the **Wifi setting** and search for a new SSID called **Transmic_tach**

3) Once your device is connected to the AP, open up a **browser** and head over to http://transmic.tach   or http://**192.168.4.1**

Once connected your browser should display:

If WiFi is Disabled RPM value are available on **USB** port @ **115200/N/8/1**
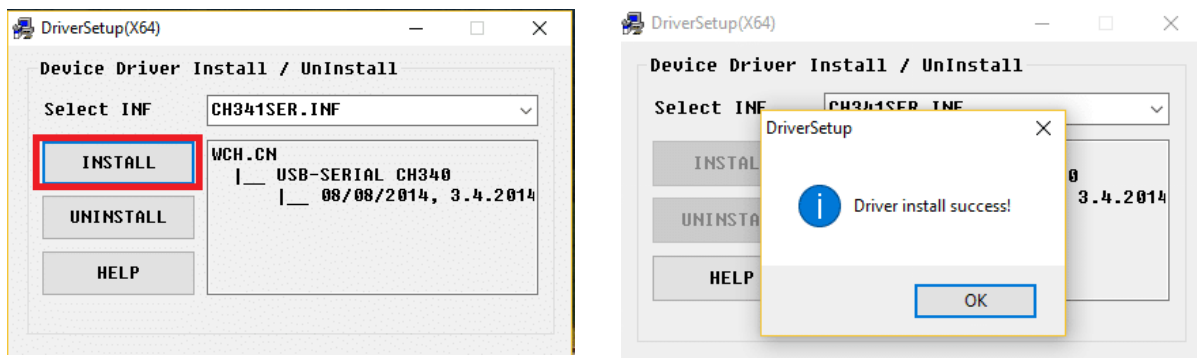
USB Connection

Driver

The ignition uses a CH340 chip which is a Serial to USB converter. This IC needs a driver.
Download **CH340G** driver.

Windows: http://www.arduined.eu/tag/windows-7/

Mac: https://github.com/wemos/ch340_driver

or on the Chip Manufacturer site http://www.wch-ic.com/download/CH341SER_EXE.html
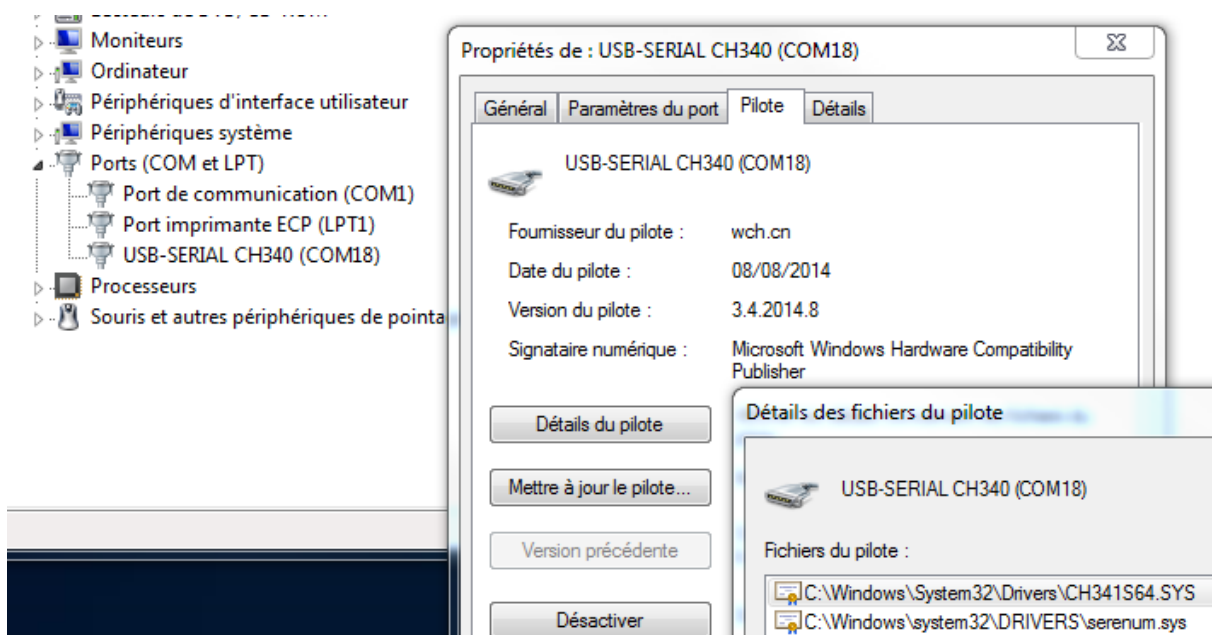
Install **CH340G** driver as "*Administrator*"

Restart the computer.

Head over to the "*Device Manager*" (Start Menu > Run > **devmgmt.msc**) go down to "*Ports*" open that up.
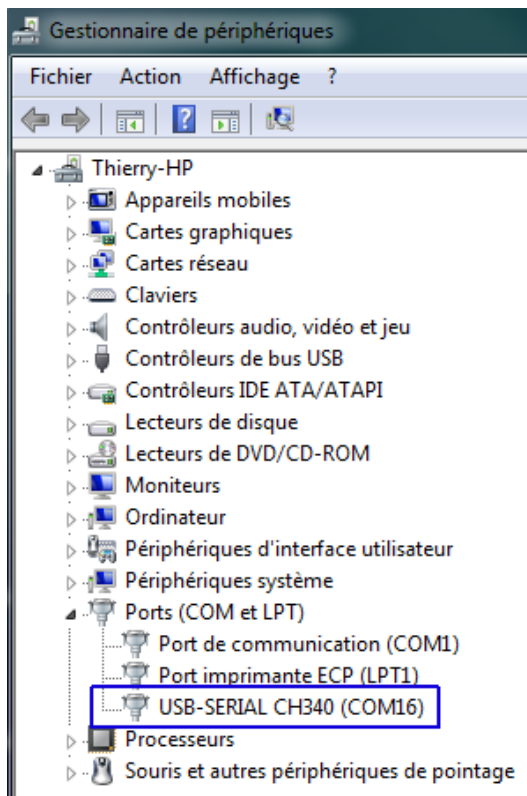
Plug in the Tachometer via an USB connector, you should ear a bell sound and the ignition device pop up into "*Ports*" section. Now you ready to go!

COM Port

Open "*Device Manager*". Under "*Ports (COM&LPT)*" you should notice a new COM-port.
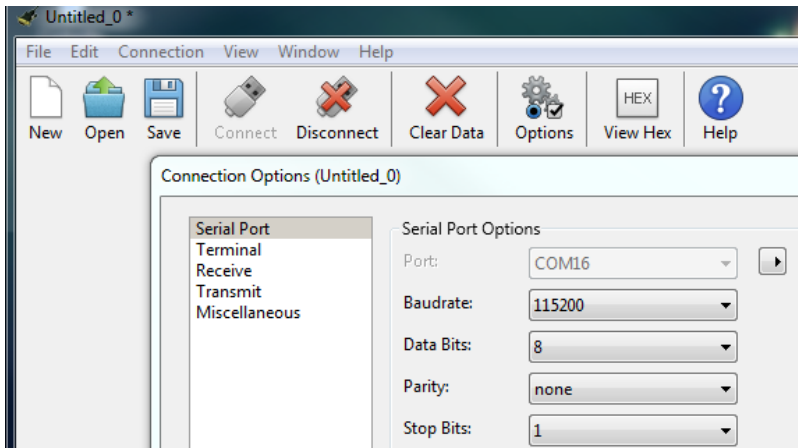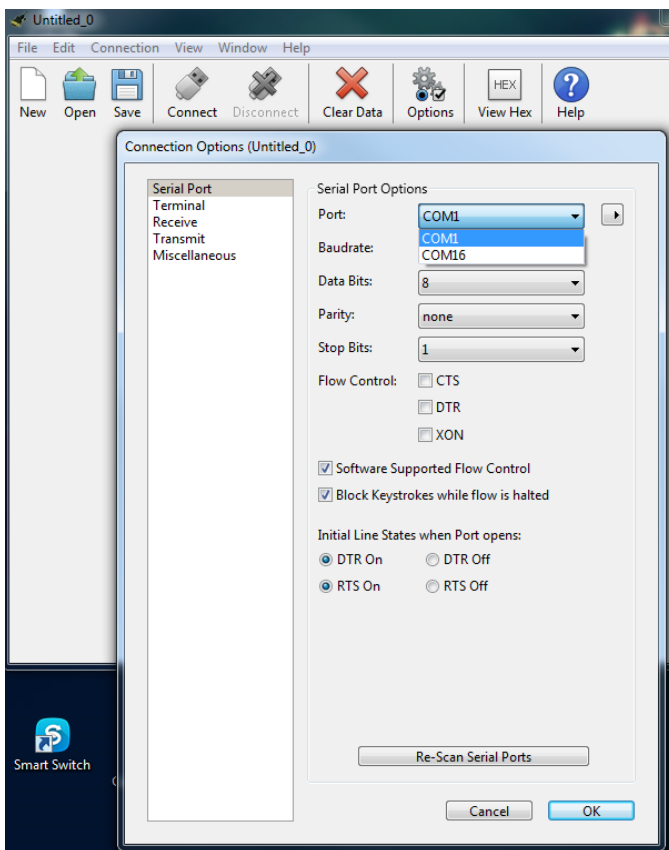
Note the number.

Terminal

Launch a terminal on your PC (I recommend **CoolTerm** http://freeware.the-meiers.org)
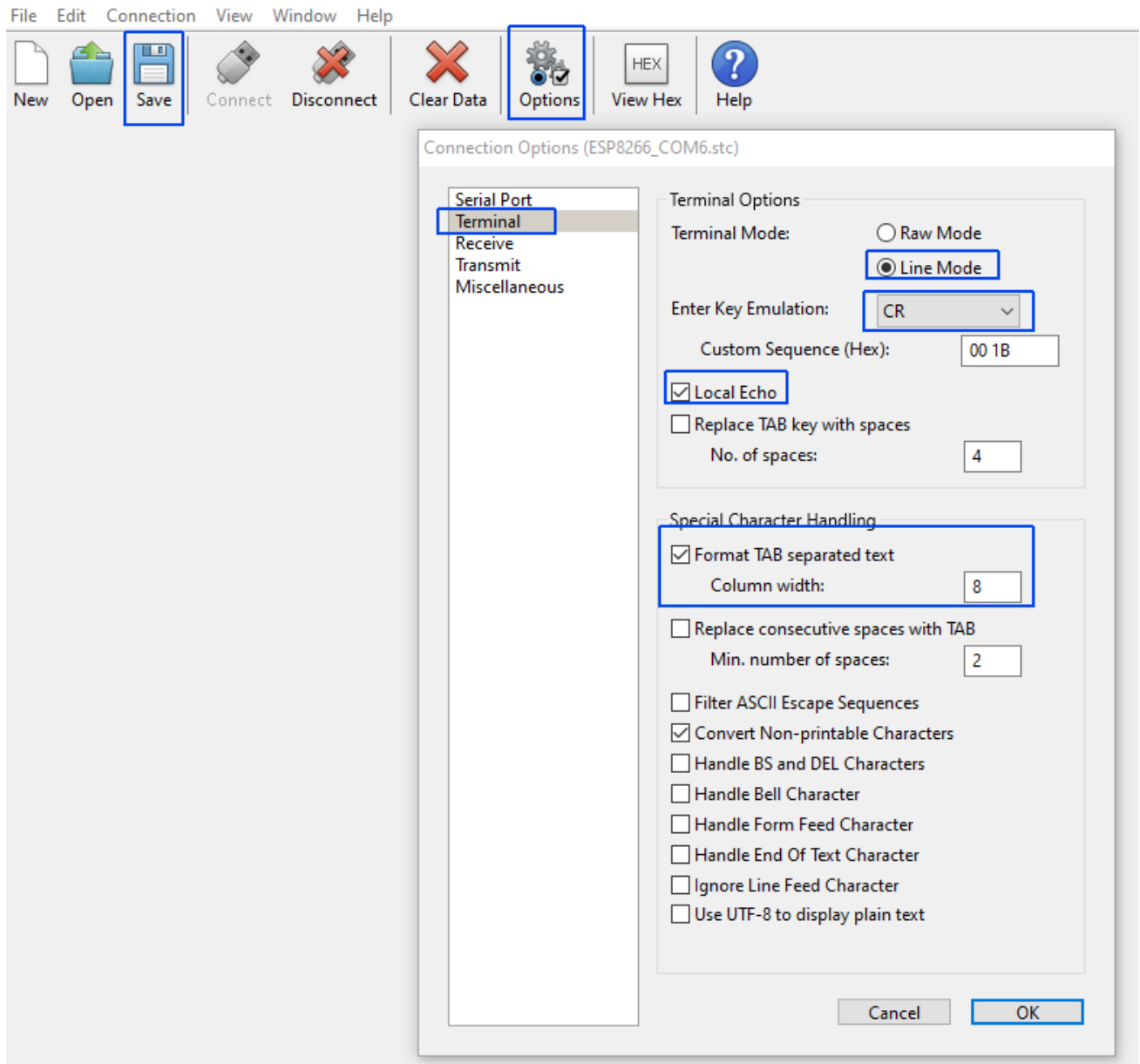*But Putty or Kitty, Teraterm are usable too…*

Go to **Options > Serial Port**, Setup the terminal to **115200**.N.8.1

Select the **COM-port** you have noted above.

Under **Options > Terminal** check *Line Mode, Enter Key Emulation, local Echo* and *Format TAB* > **OK**.

Save this configuration