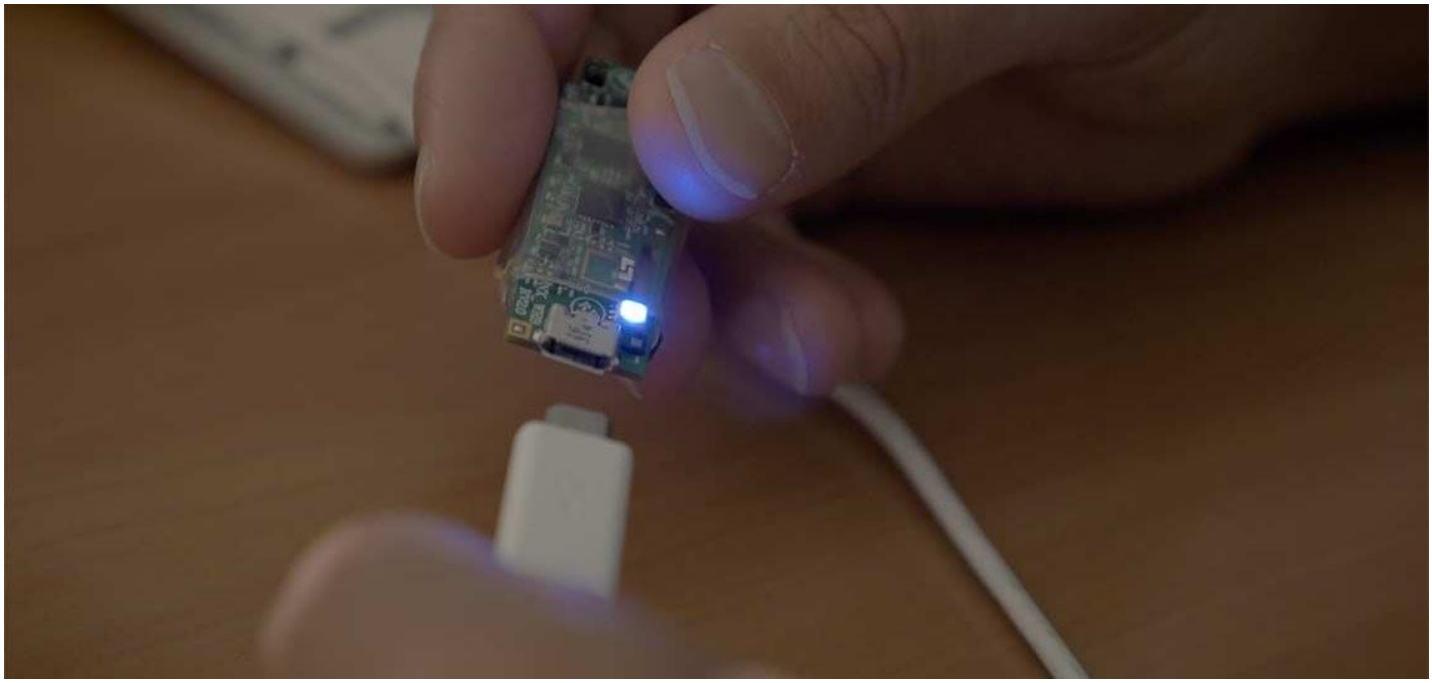
Quick Start Guide



Overview

In this guide we will learn how to install needed libraries and board files to use The Tactigon from Arduino IDE using a simple USB Cable.

Step I: Download Boards and Libraries for Arduino IDE

Open your Arduino IDE and click File -> Preferences as shown in Figure 1.

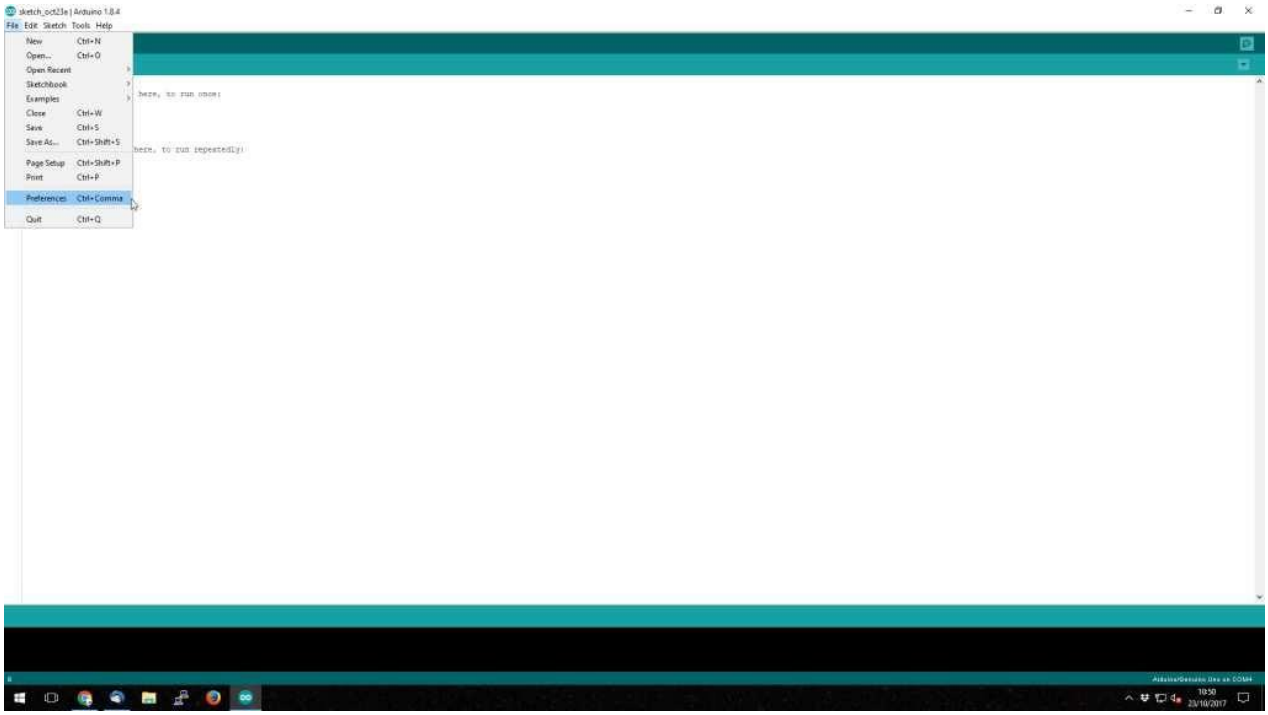


Figure 1

In the “Additional Boards Manager URLs:” insert the following link as shown in Figure 2:
http://www.nextind.eu/arduino/package_next_index.json

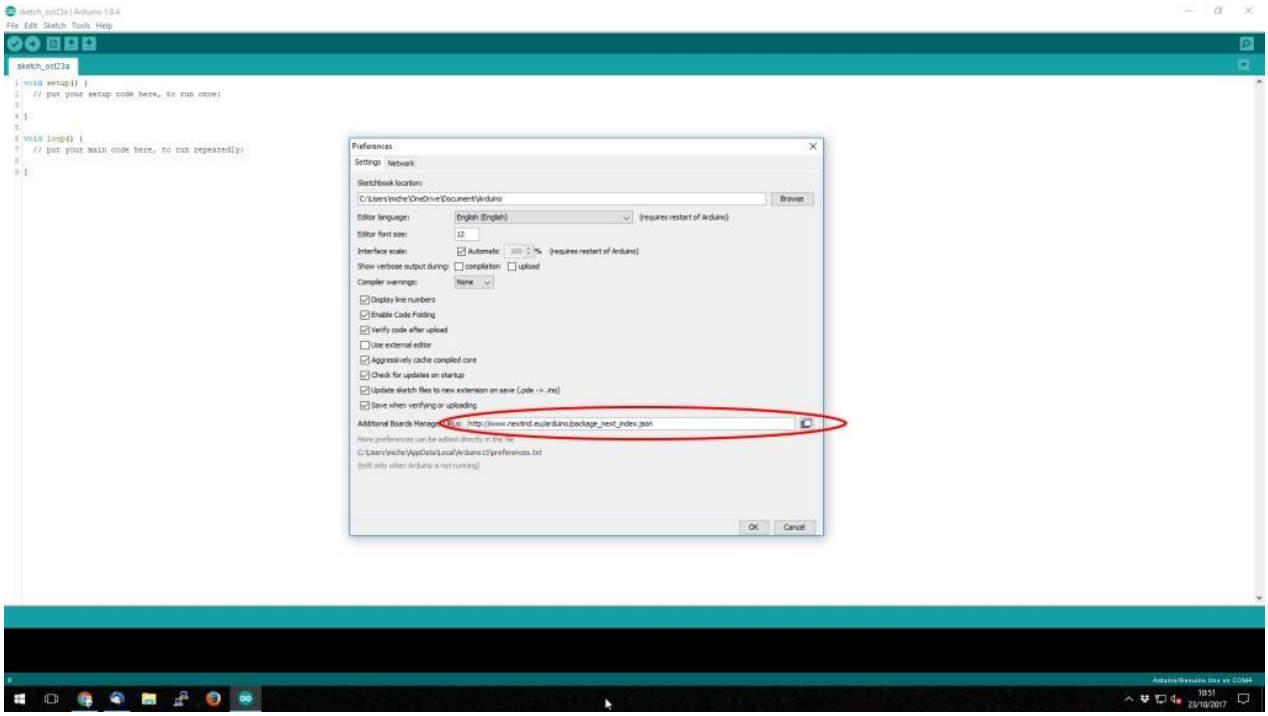


Figure 2

Now our IDE is able to find The Tactigon's board and libraries. To download we will open the Arduino Boards Manager by clicking Tools -> Board: -> Boards Manager… as shown in Figure 3.

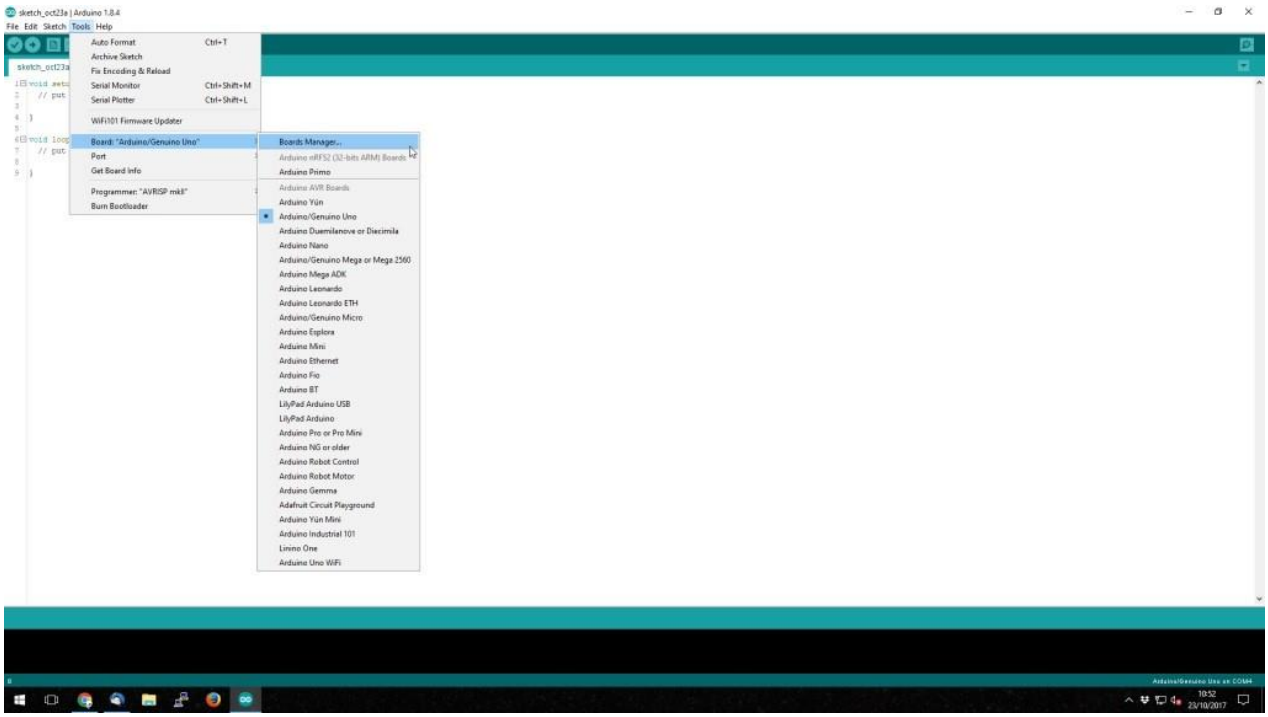


Figure 3

Once the Board Manager has loaded all available boards, write Tactigon in search field as shown in Figure 4.

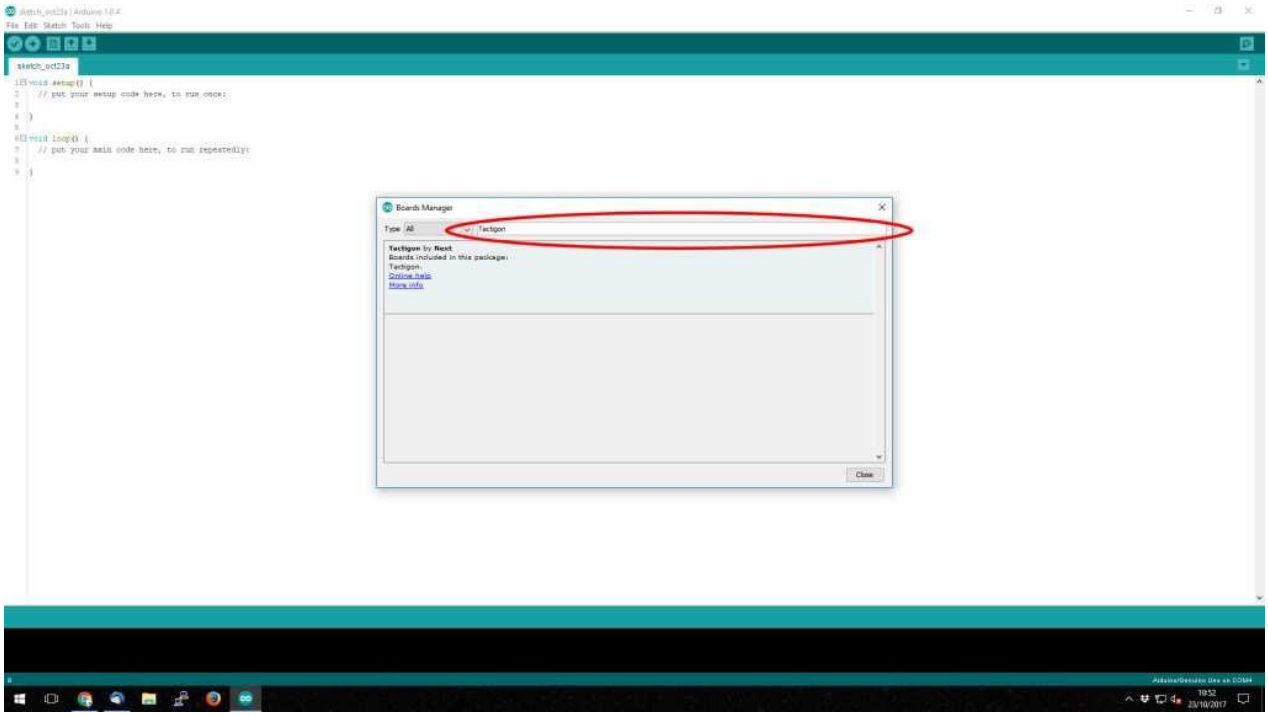


Figure 4

To proceed with the download, click on the Install button in the Tactigon's row.

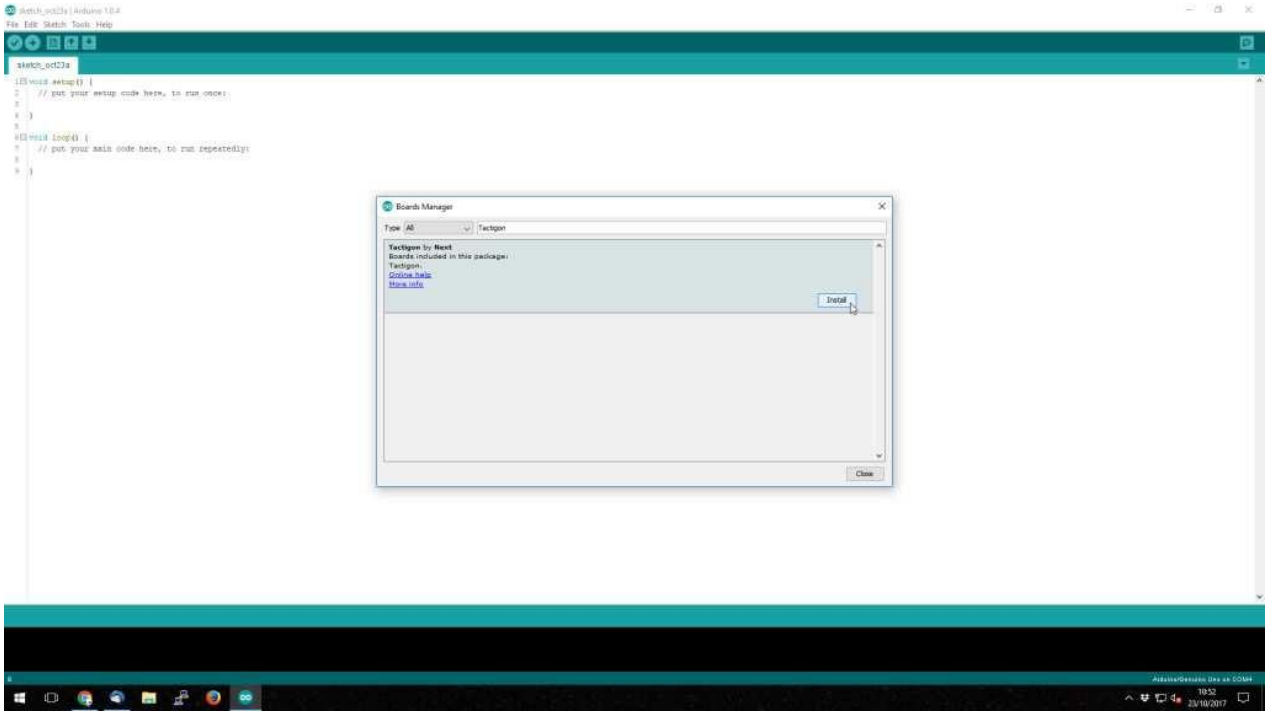


Figure 5

The process will take few minutes depending on internet connection. Total size is approximately 120Mb.

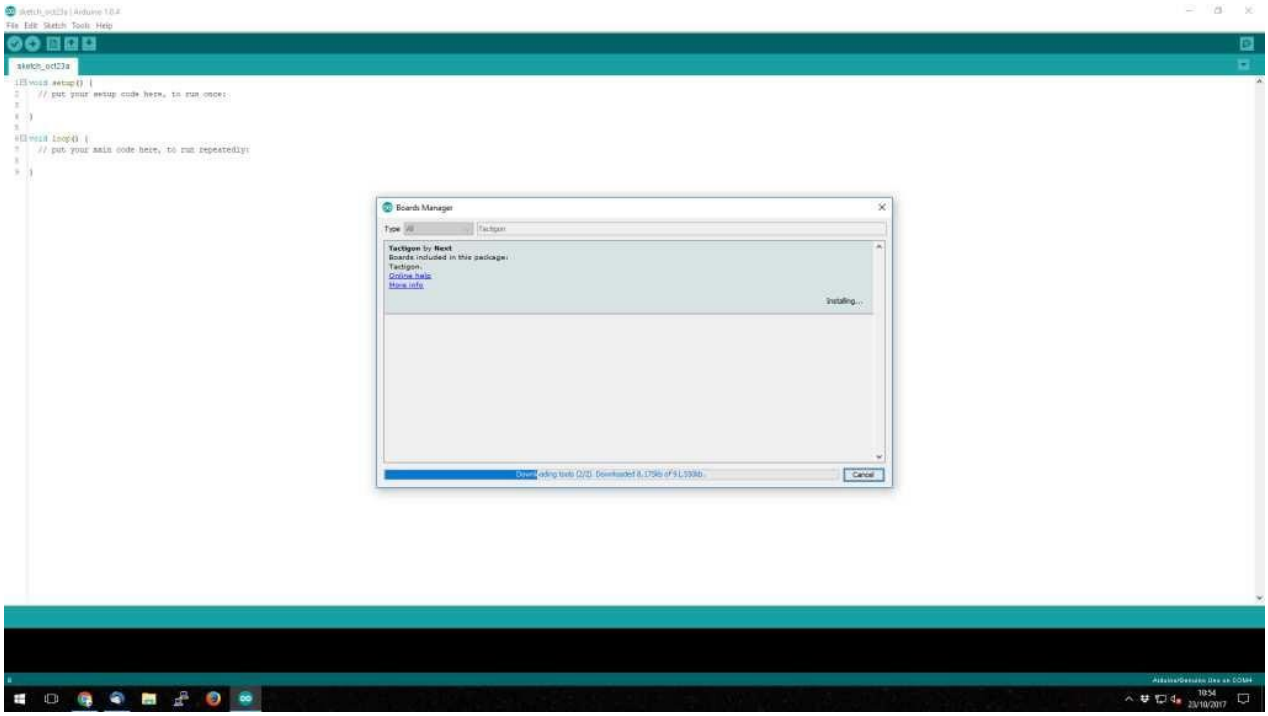


Figure 6

Once download is done, the “installed” tag will appear next to Tactigon by Next board as shown in Figure 7.

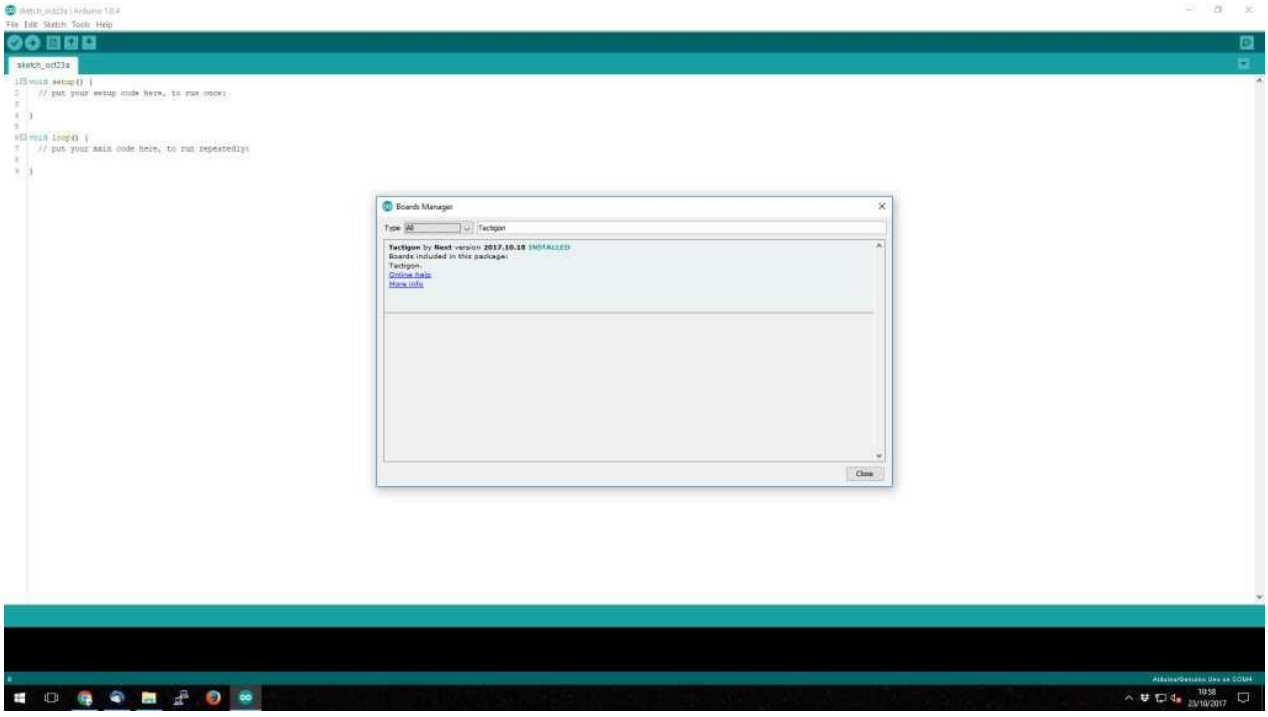


Figure 7

To double-check board installation, click on Tools -> Boards -> and NextBoard should appear under STM32 Boards as shown in Figure 8.

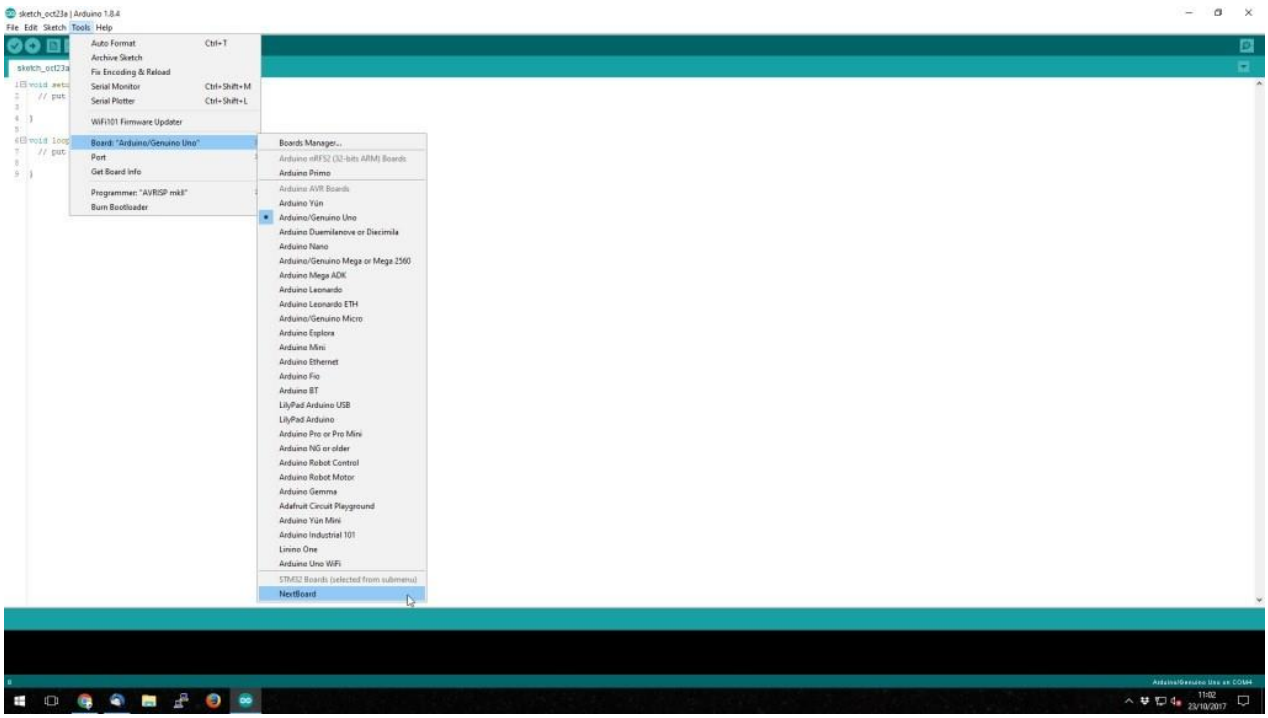


Figure 8

Step II: Install Virtual Com Drivers (not necessary on Windows 10)

To start download the drivers from this link: http://www.nextind.eu/arduino/en.stsw-stm32102.zip

Extract all files in a folder as shown in Figure 9 and open VCP_V1.4.0_Setup.exe file and click Next as shown in Figure 10 and take note of the Installation Path as shown in Figure 11. Click Install to proceed.

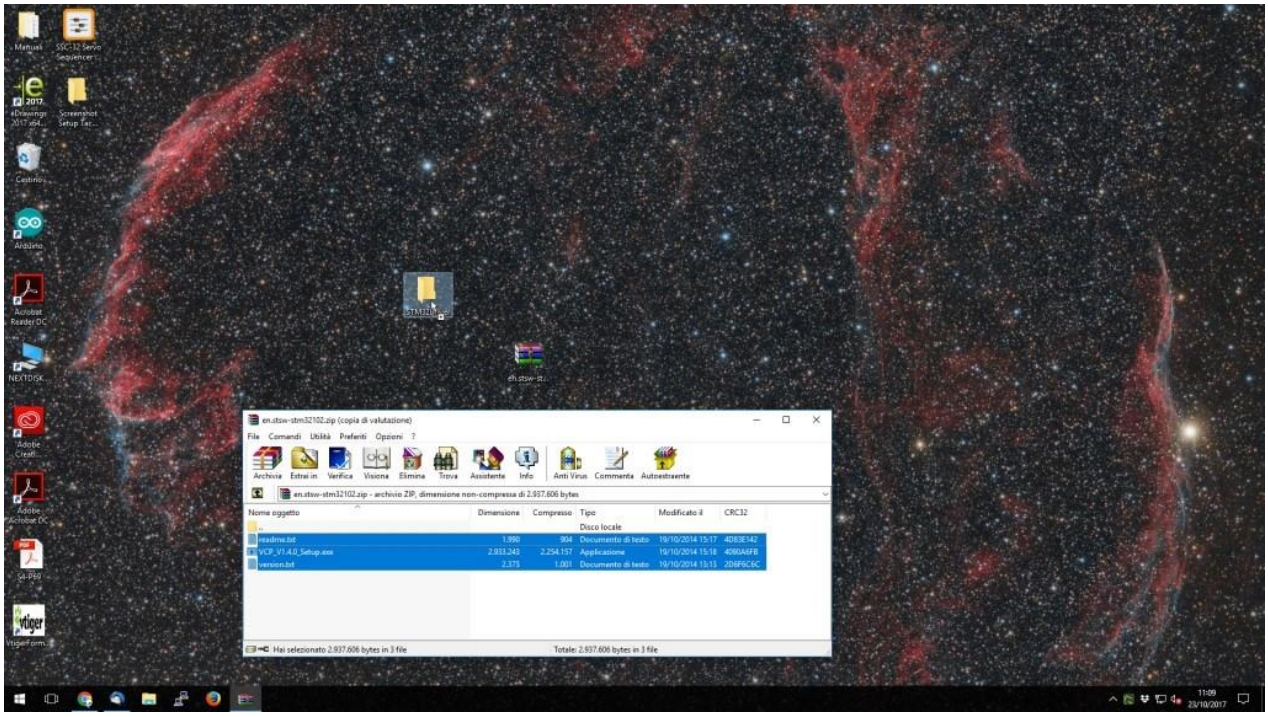


Figure 9

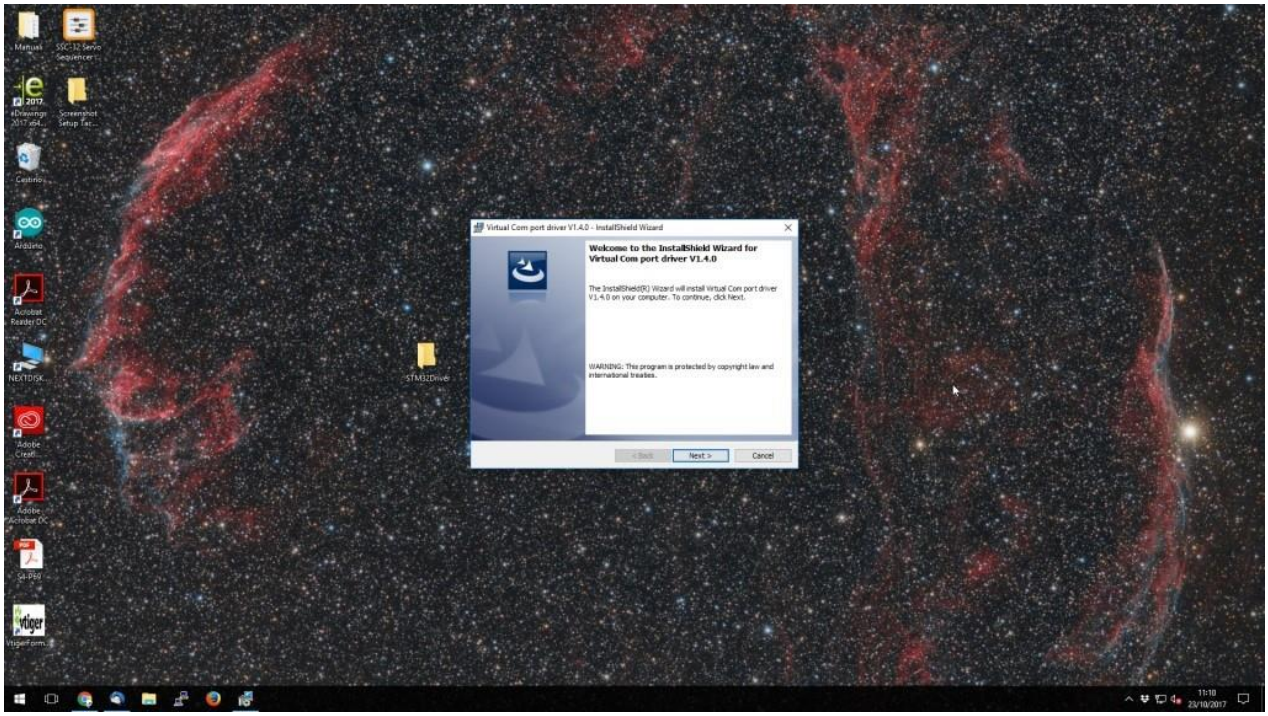


Figure 10

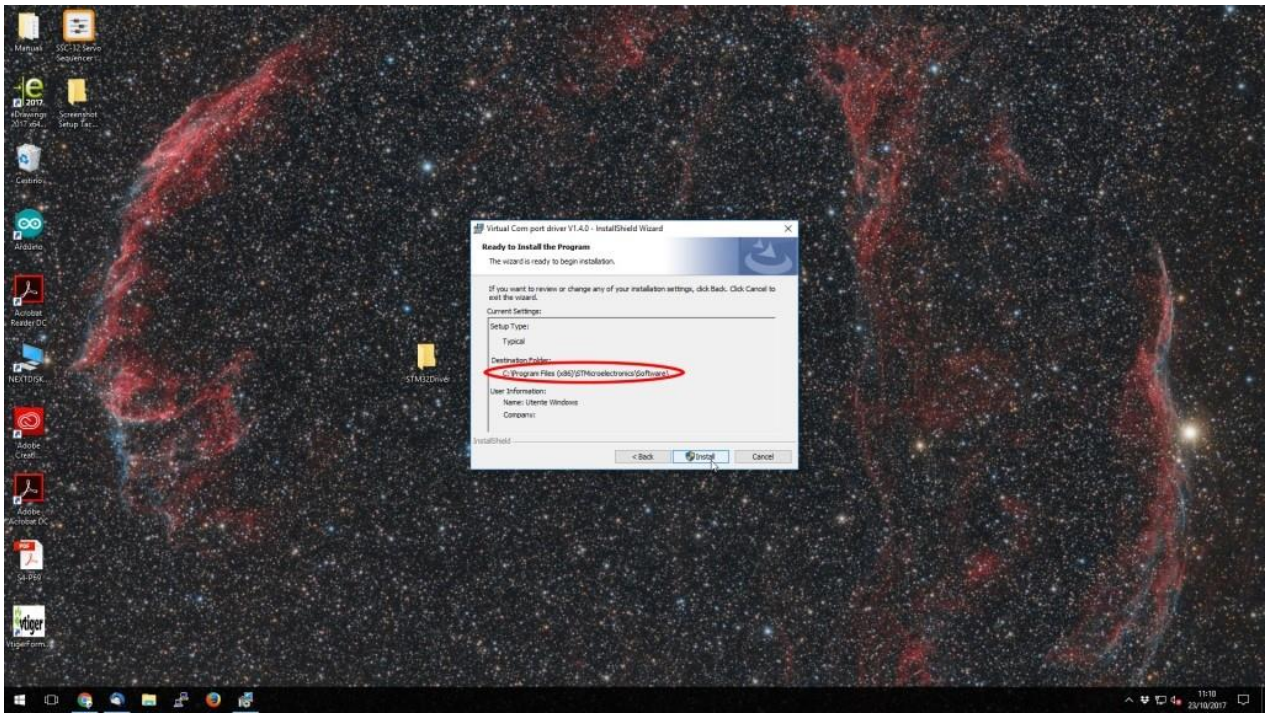


Figure 11

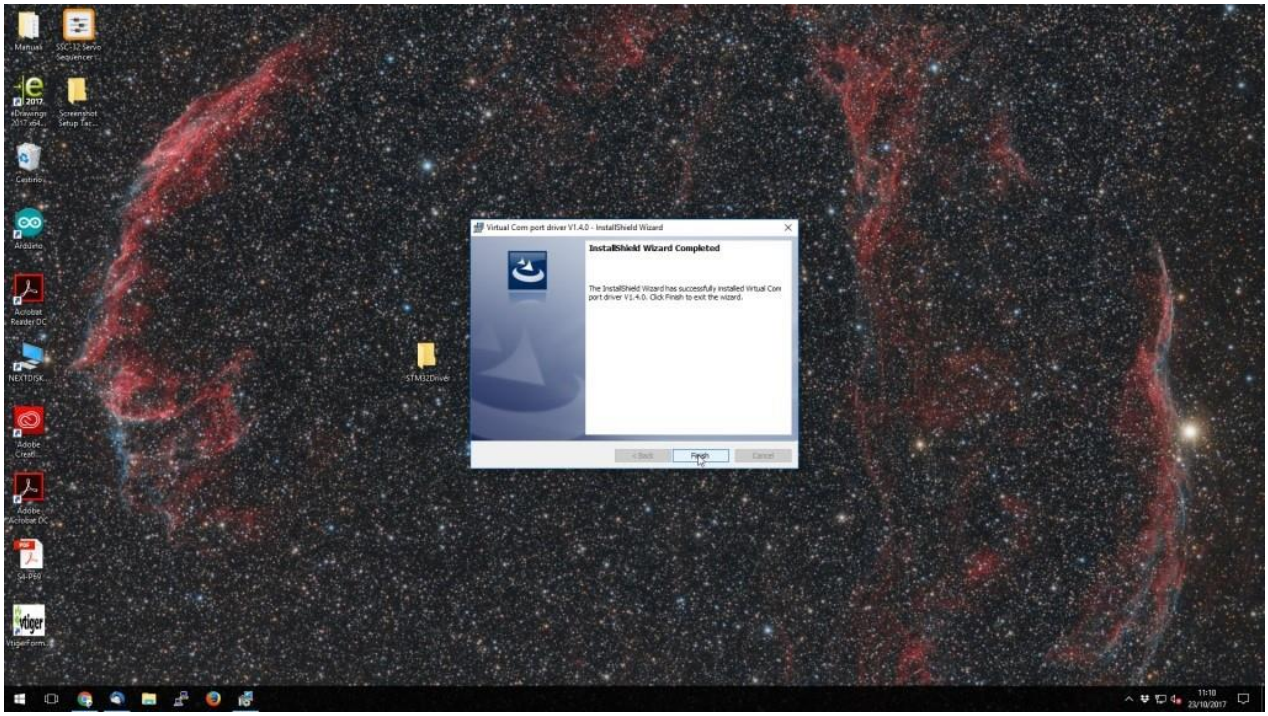


Figure 12

Now we need to check our system architecture (x86 or x86_64).
On Windows 10, right click on Start Menu and select “System” as shown in Figure 13.

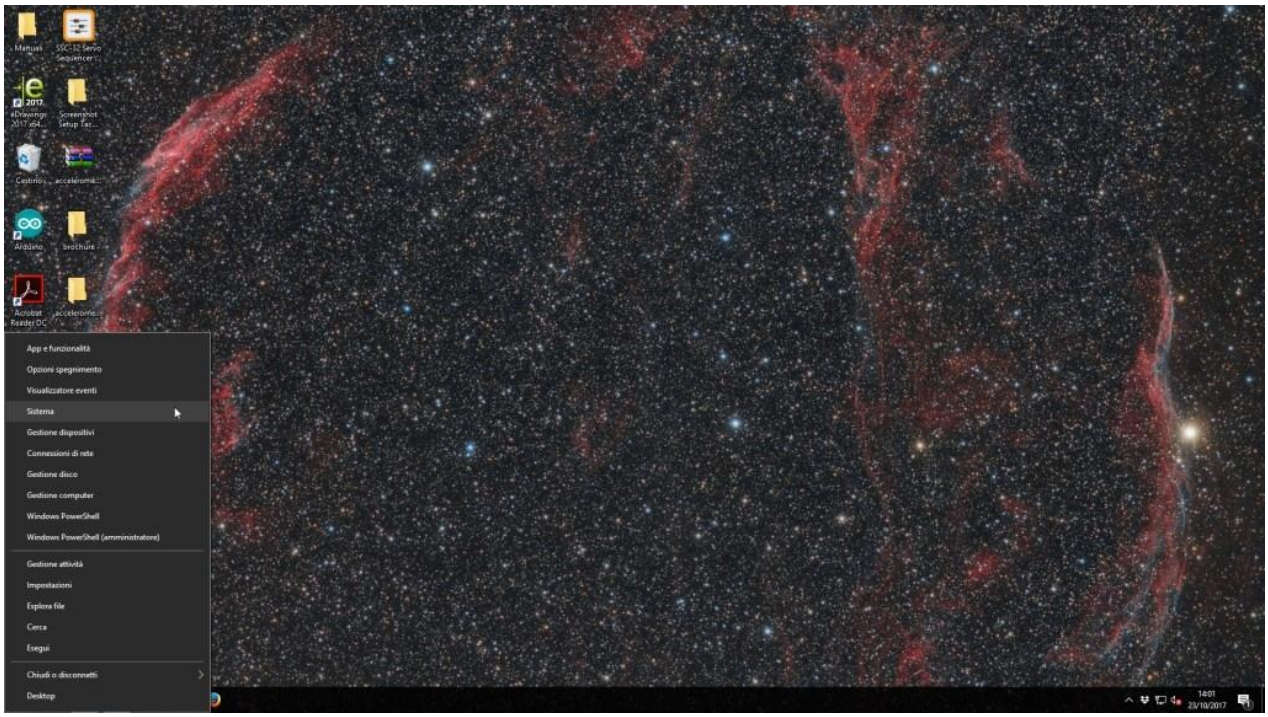


Figure 13

In this screen you need to check if it reports 32bit Operative System or 64bit Operative System.

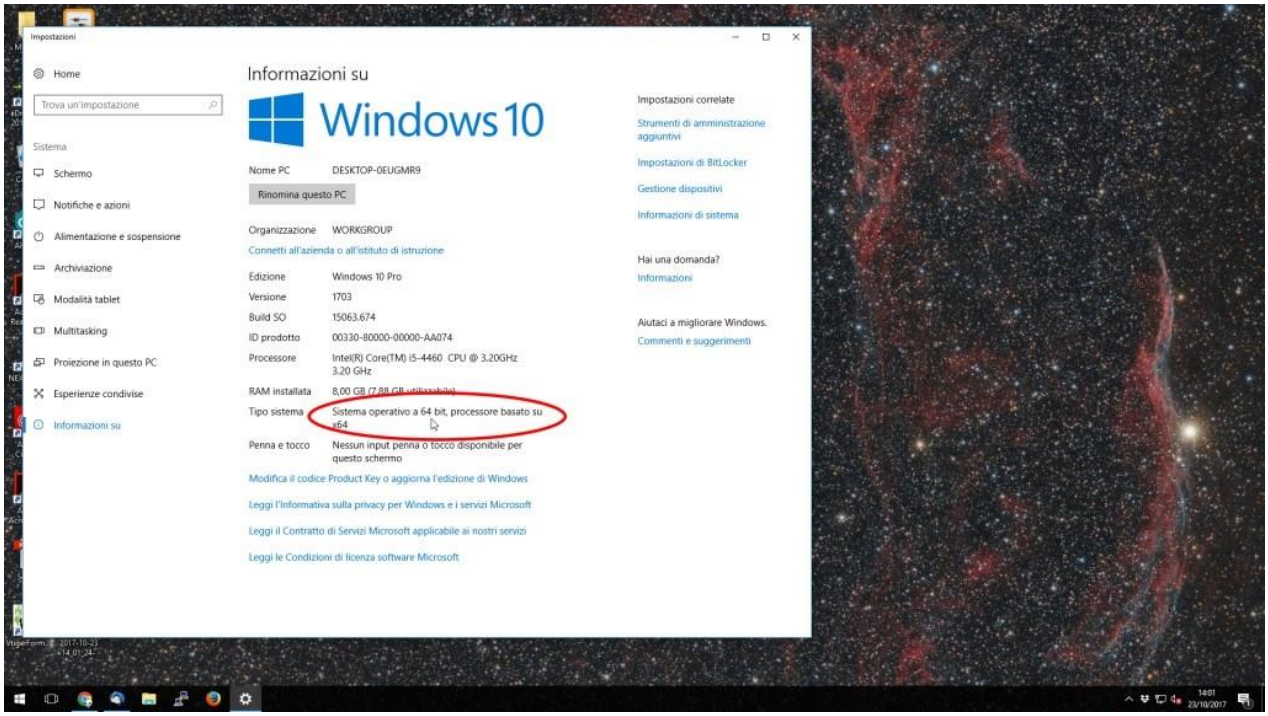


Figure 14

Now open the path we annotated in Figure 11 and run:

- 32bit OS: dpinst_x86.exe
- 64bit OS: dpinst_amd64

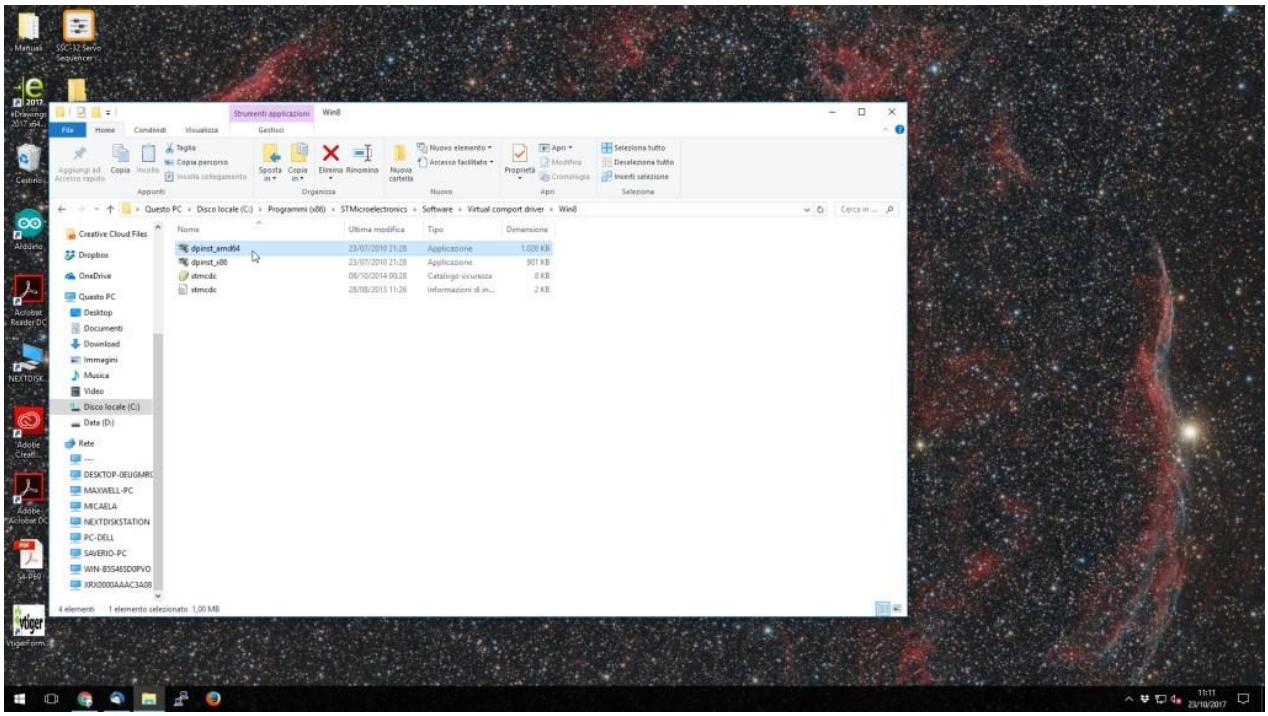


Figure 15

When the installation wizard has completed install, connect The Tactigon to the PC with micro USB cable, open Device Manager and check if Under COM and LPT Ports the device STMicroelectronics Virtual COM Port is present. Take note of the COMxx number showed as we need this later.

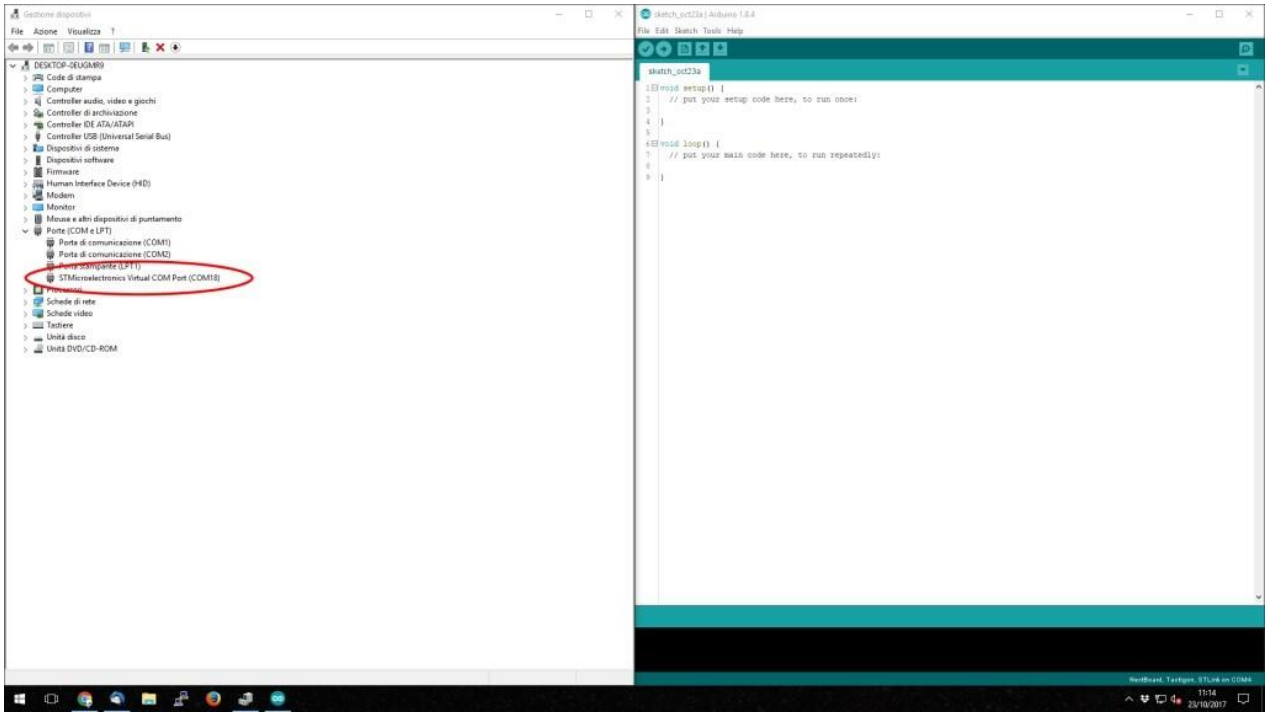


Figure 16

Step III: Setting Up COM in Arduino IDE

Now we're almost ready to go: Drivers and Libraries are installed; we need to choose the right Upload Method and Port in Arduino IDE.

Click on Tools -> Port and select the same port we took note on Figure 16.

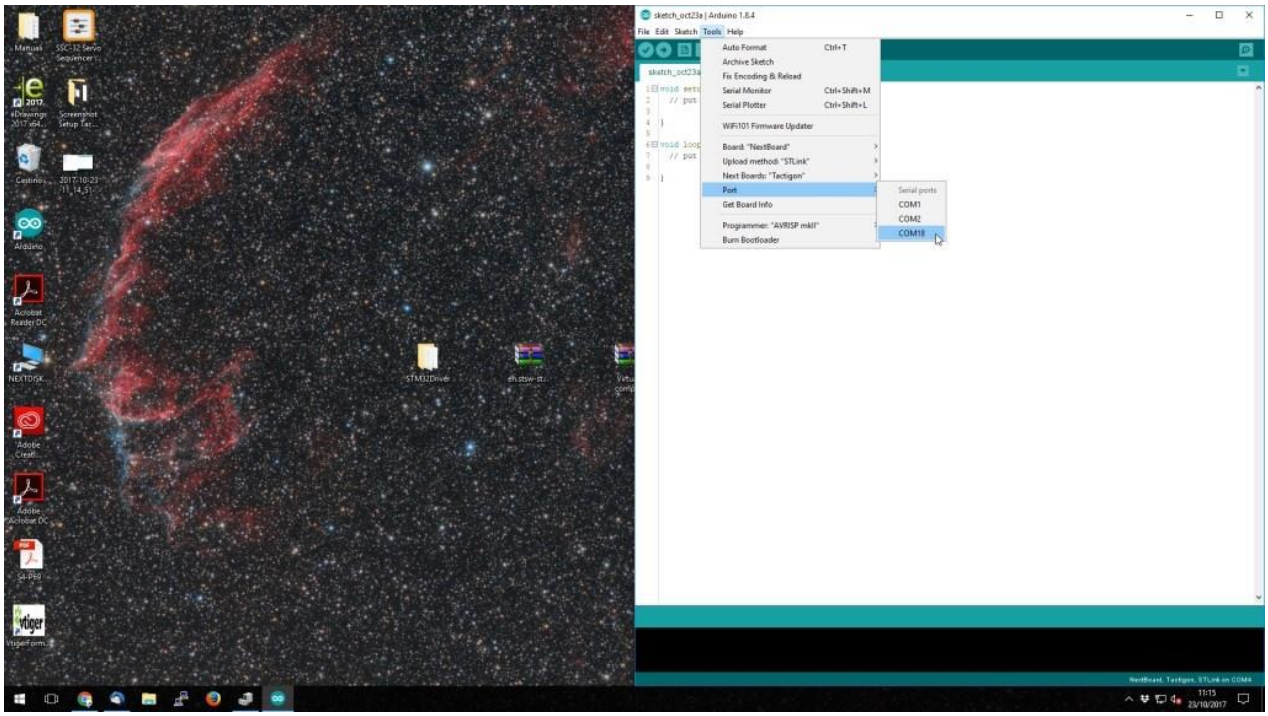


Figure 17

Click again on Tools -> Upload Method and select USBSerial as shown in Figure 18.

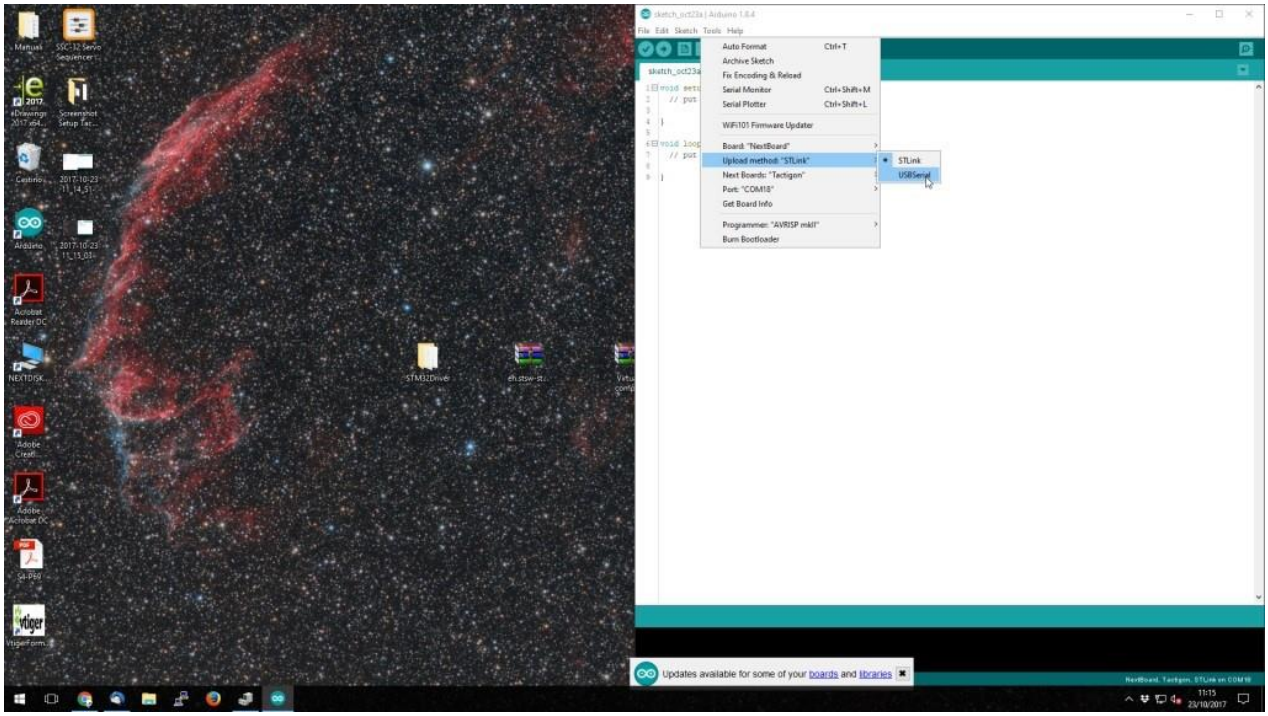


Figure 18

Well Done!

You can now upload sketches on The Tactigon!

Follow this link to enter Tactigon's Library documentation.

Libraries Documentation