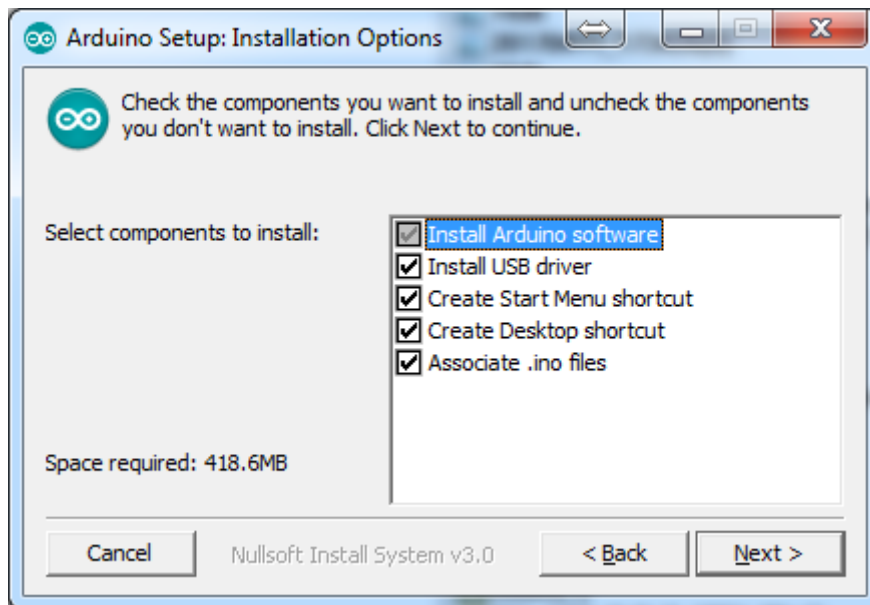
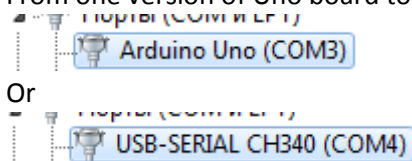


1. Download the Arduino IDE (<https://www.arduino.cc/en/Main/Software>).
*I use Win7: [WINDOWS Installer](#) on 14.04.2017 last version was 1.8.2
* Or you can find this app in the folder “Arduino IDE SW”
2. Install this app **as Administrator** and be sure that all ticks are checked including “Install USB Drivers”



3. Make sure that USB to Serial driver of your Arduino Uno version is installed in the OS properly. From one version of Uno board to another, this driver may vary:

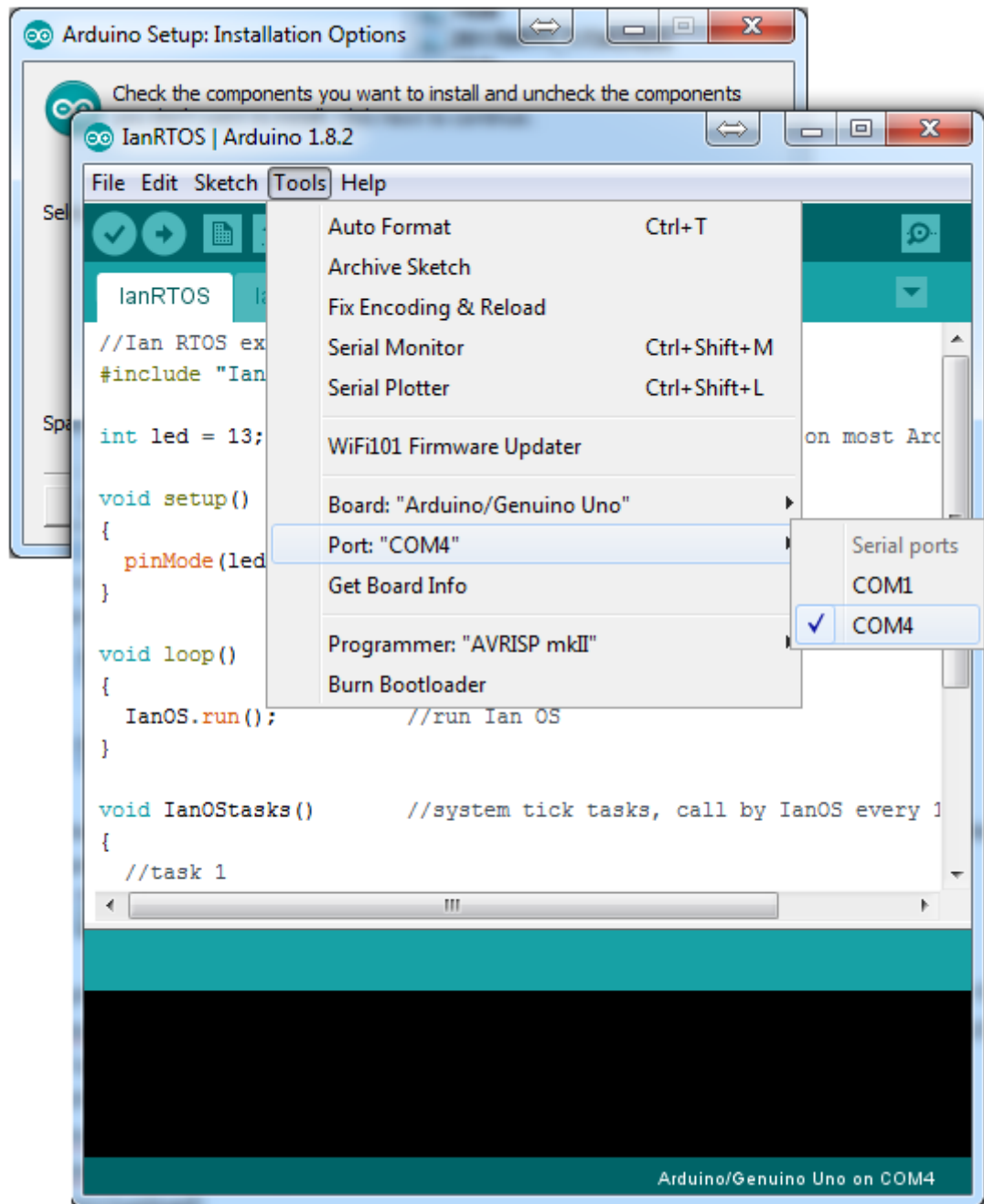


* If you got the version of Uno-board where after installation of Arduino IDE software there is still something like that problem in the Device Manager:

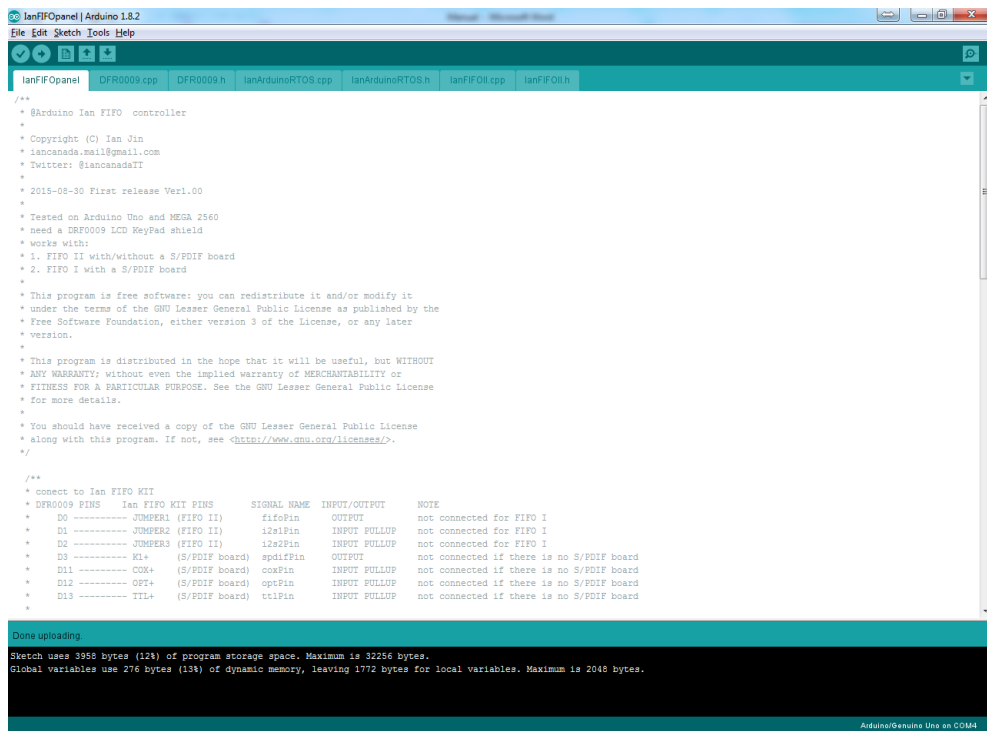


then you should install proper driver separately (You can try driver in the folder “Driver for Arduino” in this case). Anyway until get the properly installed driver in your OS for the USB-Serial converter of your Uno-board, it is impossible to upgrade your device properly.

4. Launch Arduino software
Make sure the port is proper (see details Device Manager if needed)

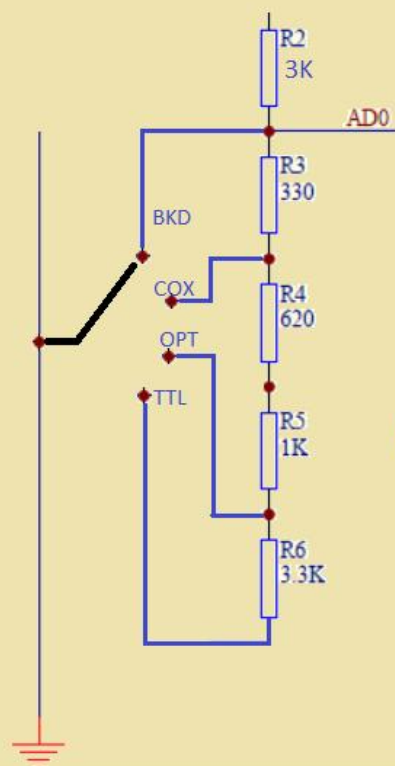
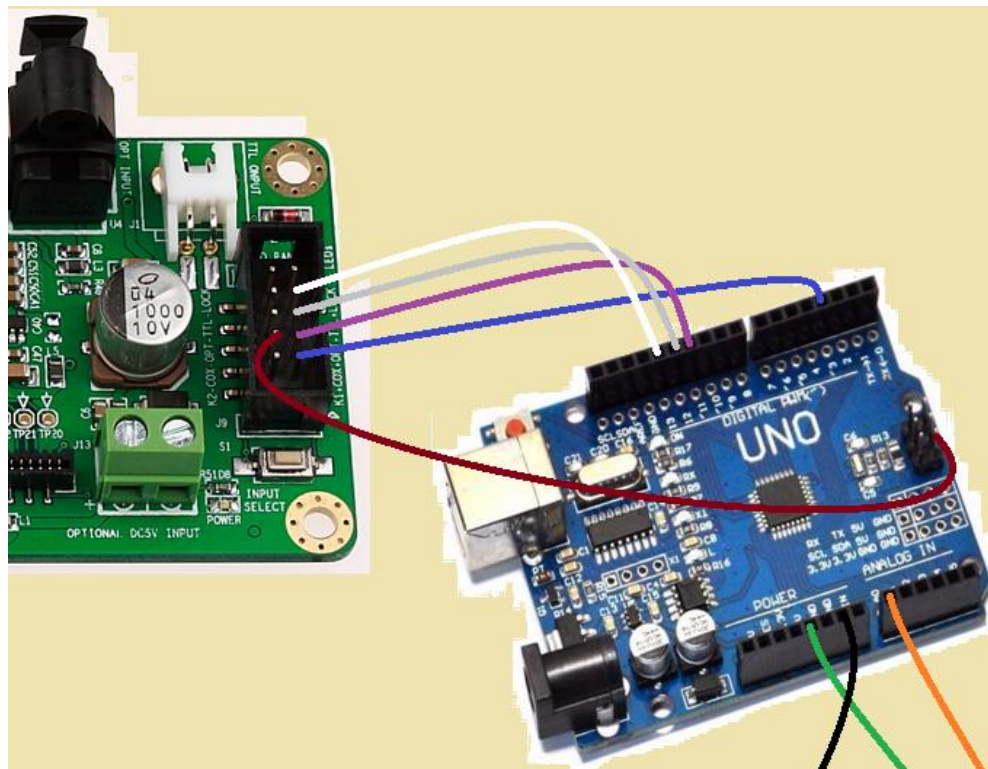


5. Uploading code for control
 - a) Ctrl+O -> IanFIFOPanel (IanFIFOPanel.ino file)
 - b) Ctrl+R (Verify\Compile)
 - c) Ctrl+U (Upload)And again you should get:



!The Firmware upload is done now.

Hardware connections:



OR

