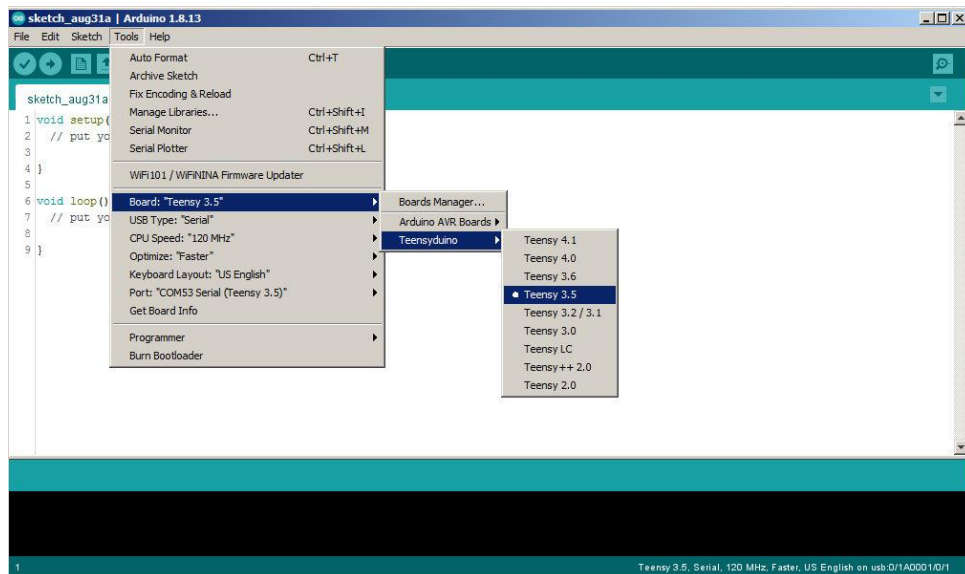


## Nuclear Pioneer Programming Instruction for Windows OS.

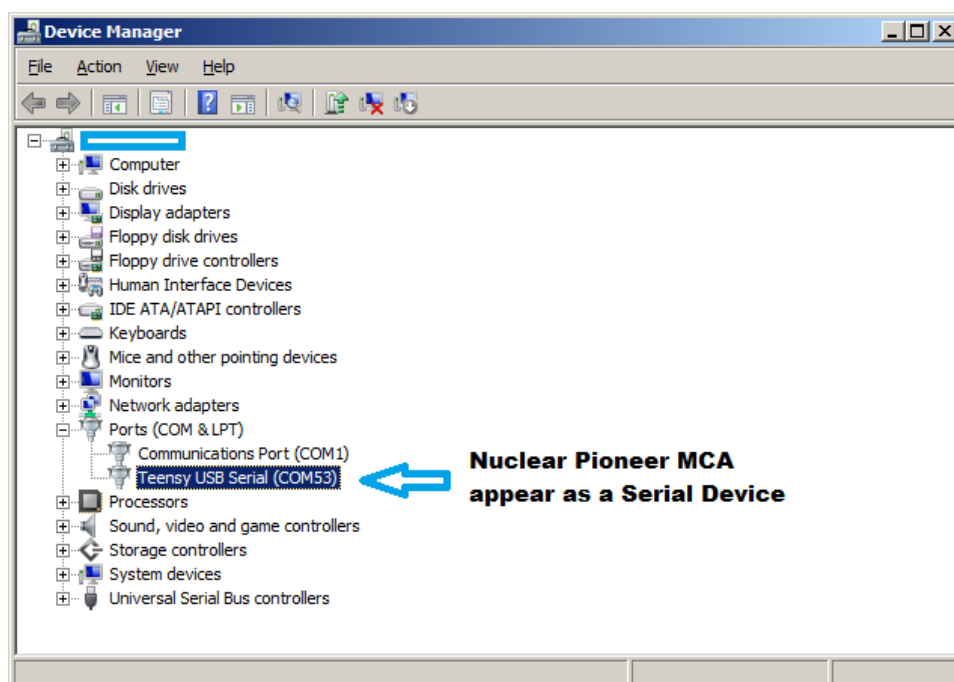
1. Install Arduino IDE and Teensyduino addon. It will add all required drivers for your PC

[https://www.pjrc.com/teensy/td\\_download.html](https://www.pjrc.com/teensy/td_download.html)

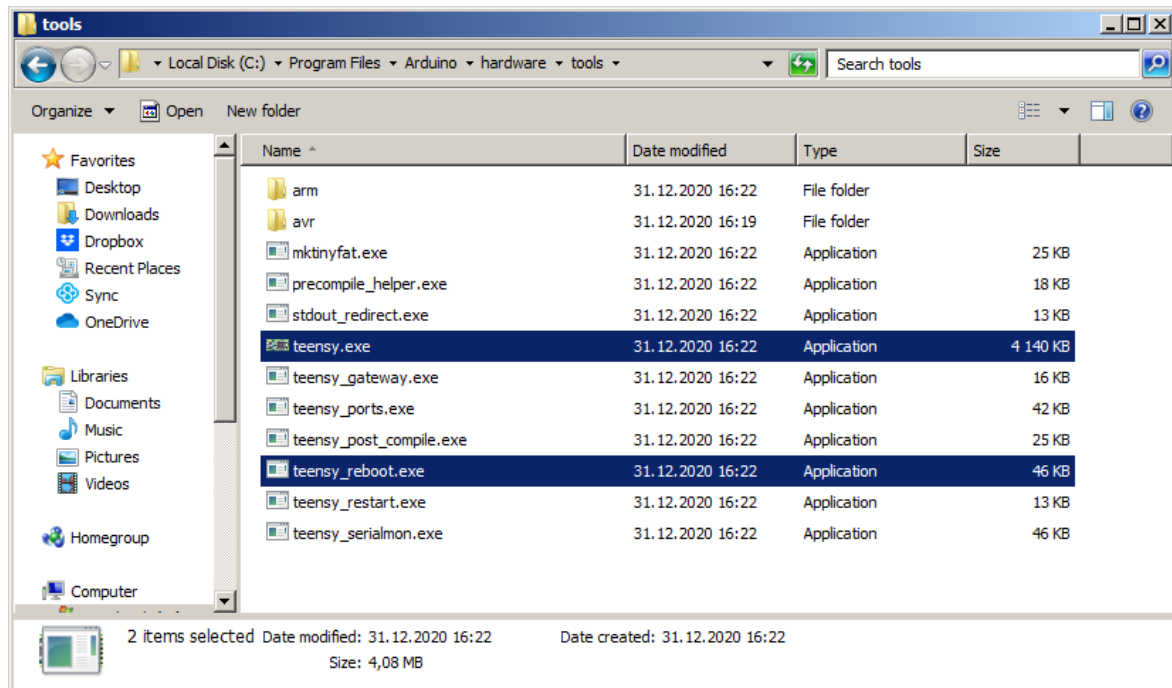
2. Download the latest firmware HEX file from rhelectronics.net website
3. Allow the firewall exception in the Windows OS for Arduino IDE. Usually firewall will ask about the exception at the first time you open the IDE.
4. In the IDE select board Teensy 3.5



5. Connect Nuclear Pioneer MCA to the computer with USB cable and check in Windows Device Manager it detected as a Serial Com Port device. Be sure you are not using any USB hub. Be sure the USB cable has data lines, some cheap cables comes with only charging function.



- Open folder path **C:\Program Files\Arduino\hardware\tools**



- Run **teensy.exe** and activate AUTO mode (green button)



- Press File -> Open HEX file and select the firmware file
- Run **teensy\_reboot.exe** file

Now you'll see the programming process started with progress bar. After firmware uploading finished, the MCA will automatically restart.

The **teensy\_reboot.exe** application causing the MCA to enter programming mode and will force the **teensy.exe** to upload the HEX file into the device by auto without pressing the physical reset button on the PCB.

For any questions: [support@rhelectronics.net](mailto:support@rhelectronics.net)