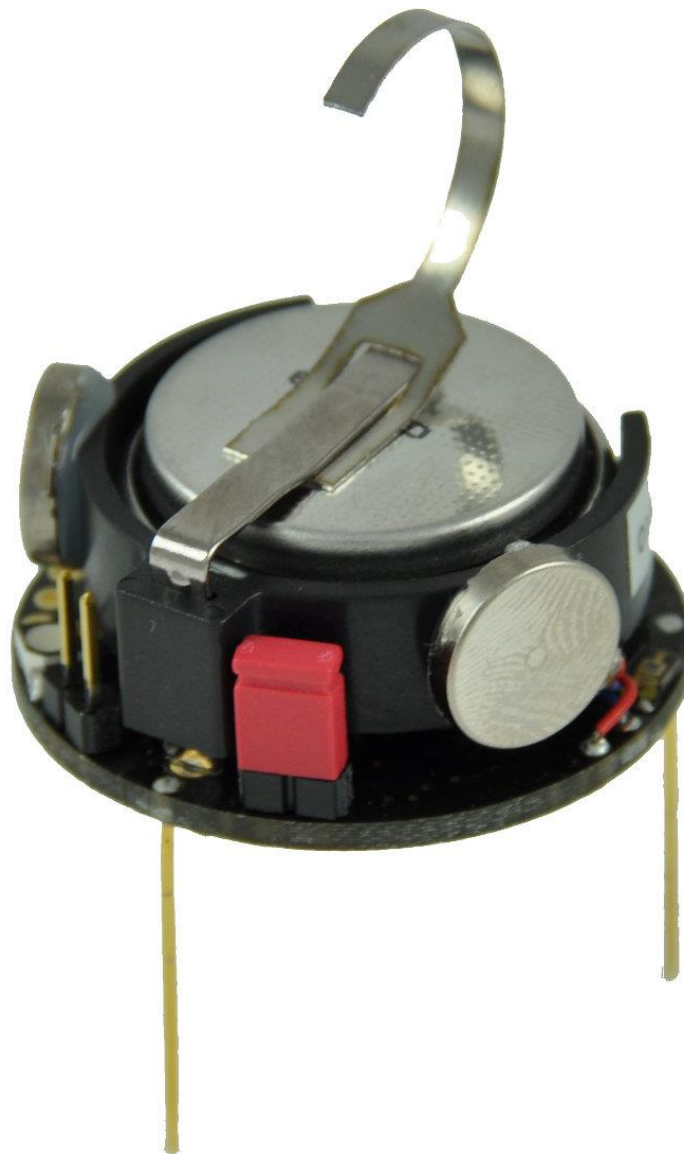


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KILOBOT UPDATE

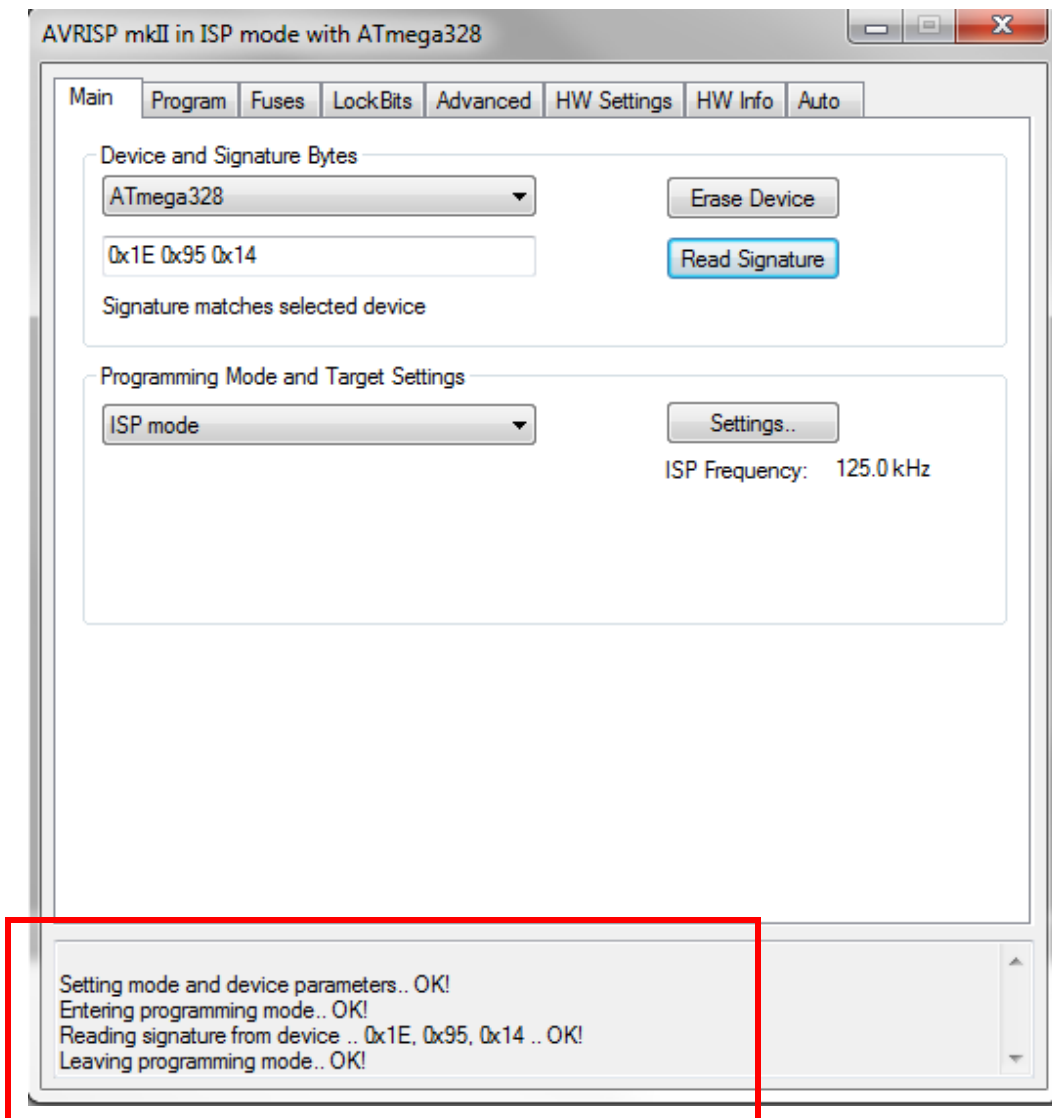


KILOBOT UPDATE



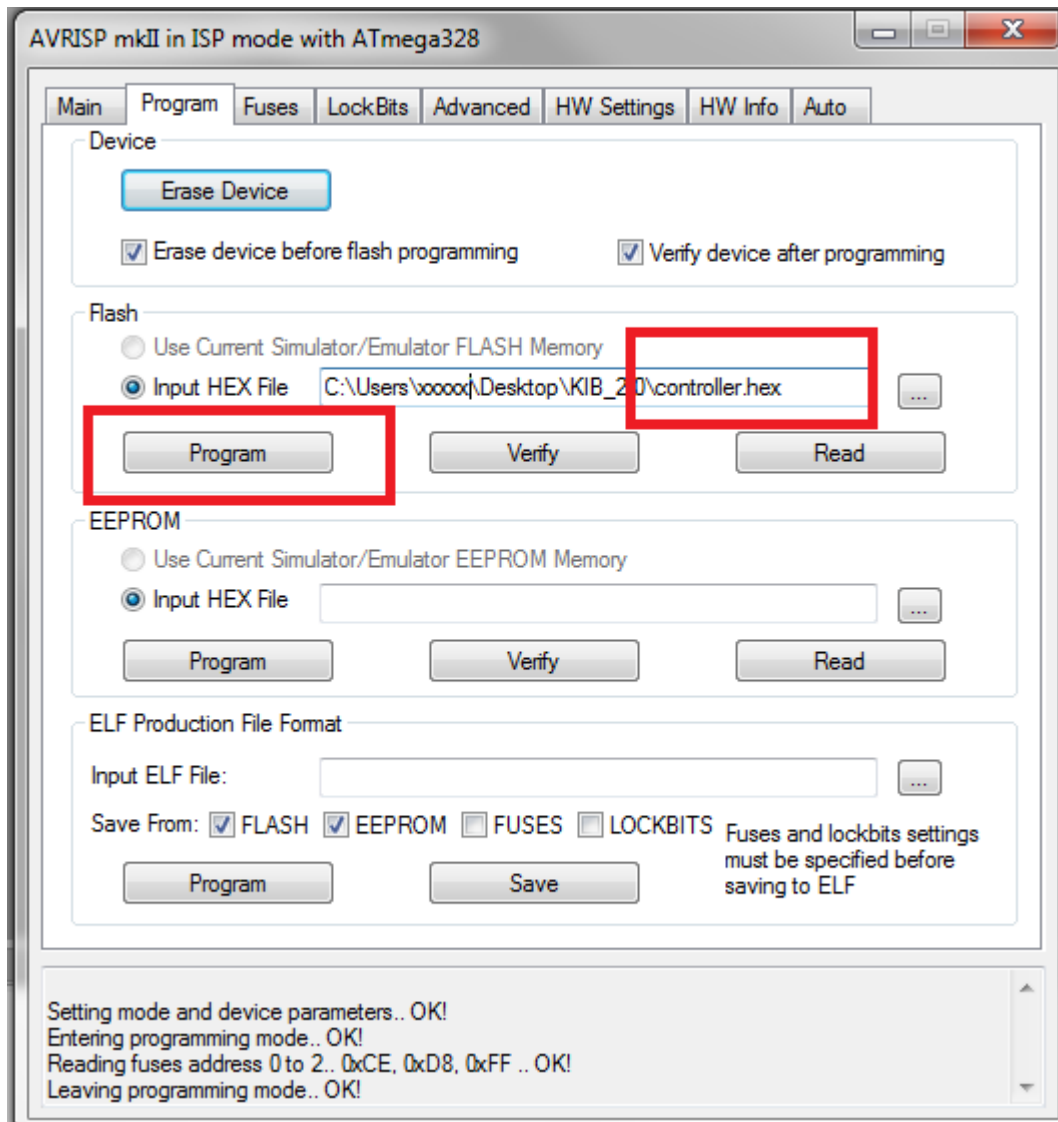


1. Install **atmel studio 6.2**
2. Connect the controller to PC (via USB)
3. Open AVR studio.
4. Tools -> program AVR -> auto connect
5. Under the tab « main », select « ATmega328 » and click « read signature »

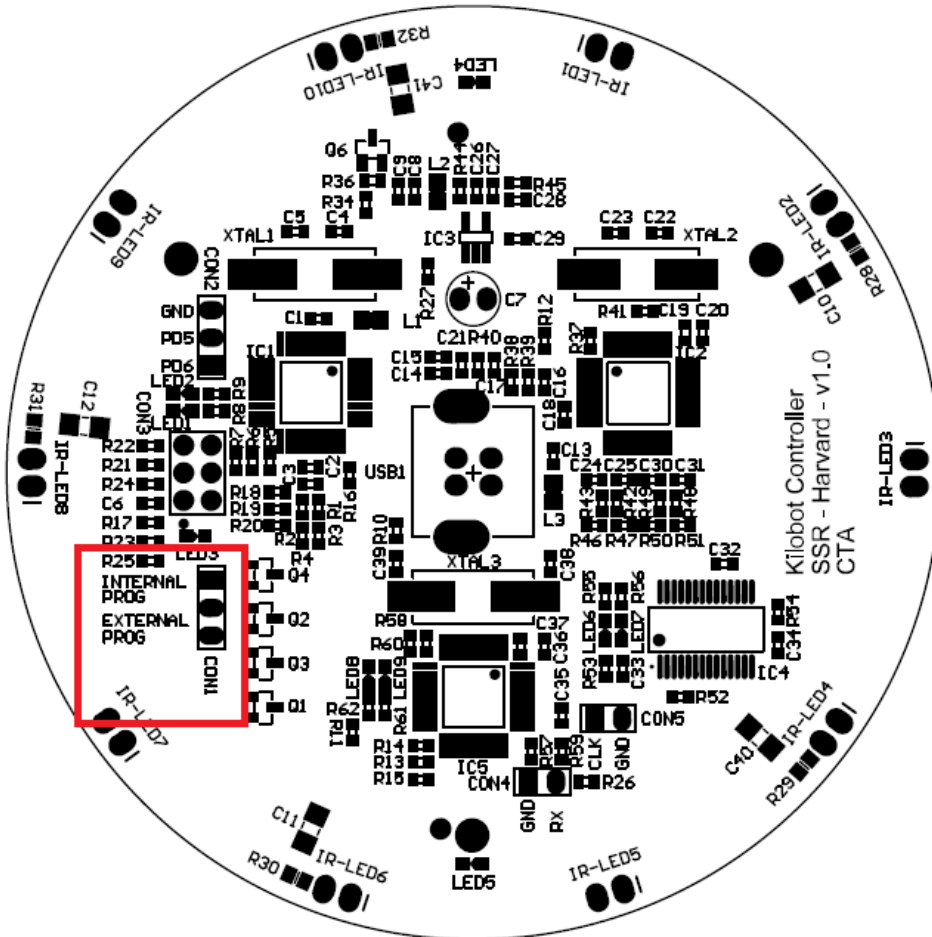


6. Under the tab « program »,

Select « controller.hex » and click « program ».
(The file is located in the attached folder).



- Put the jumper on « external prog »



- Program the kilobot with the file « bootloader.hex »
(The file is located in the *software\source_code\Kilobot VERSION\Firmware* folder).
- Close AVR studio 4

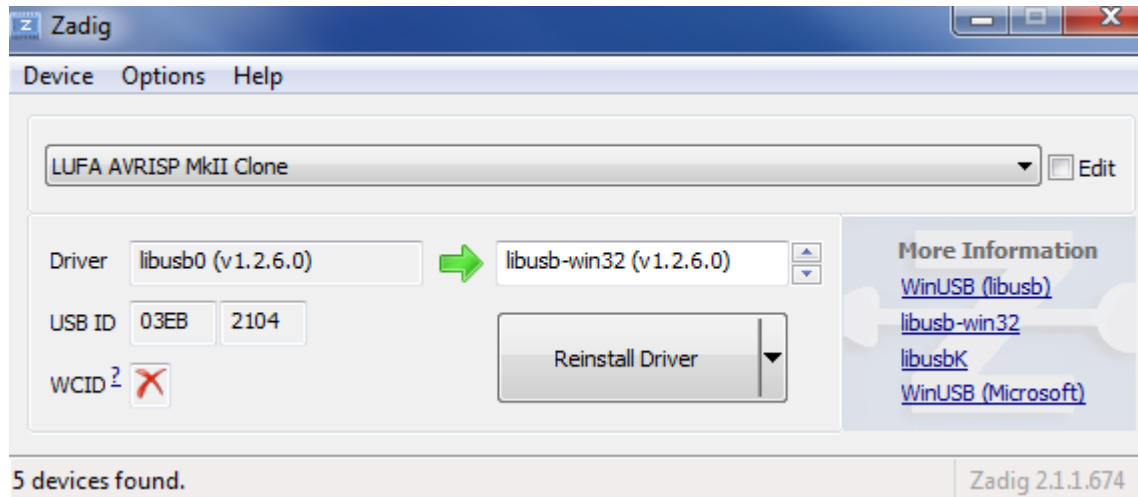
10. Download « zadig_2.1.1.exe »

<http://zadig.akeo.ie/>

11. Execute the software « zadig_2.1.1.exe »

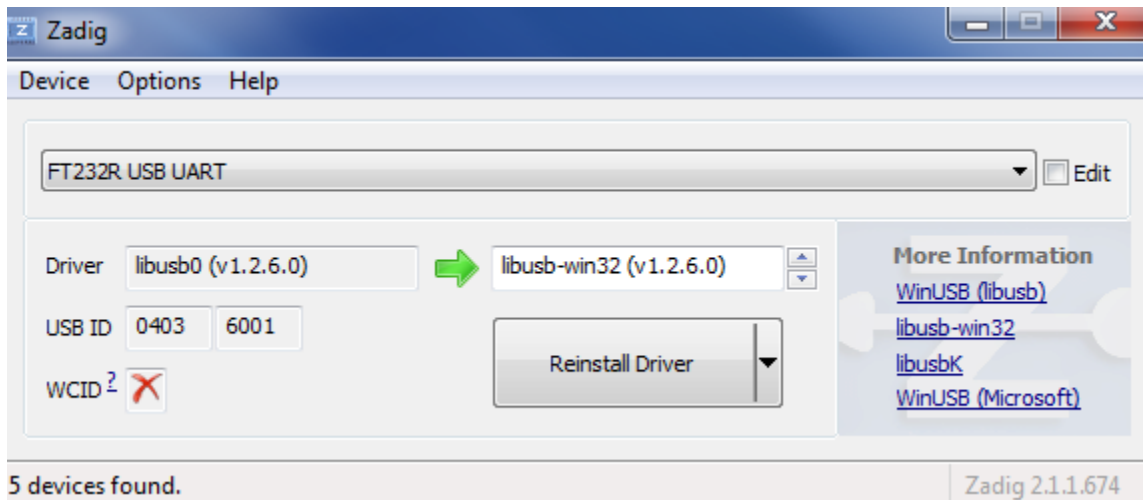
12. Option -> list all device

13. Select « LUFA AVRISP MkII Clone » and « libusb-win32 (V1.2.6.0) »



14. Click « replace Driver ».

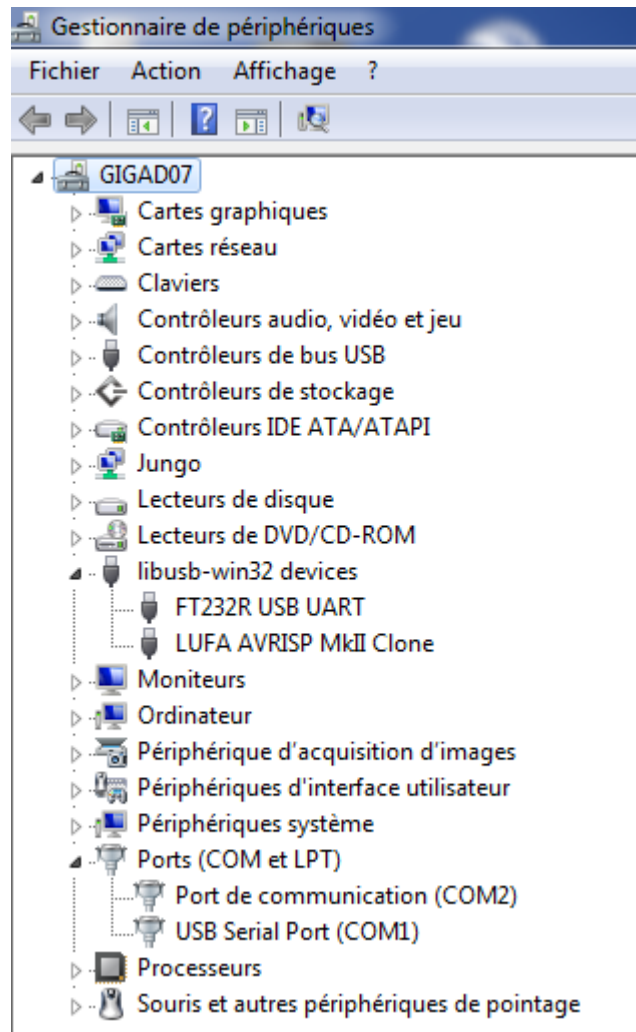
15. Select « **FT232R USB UART** » and « **libusb-win32 (V1.2.6.0)** »



16. Click « replace Driver ».

17. Close « Zadig »

- Open device manager, and check the controller is not a « port com ».
But now is a « **libusb-win32 devices** ».

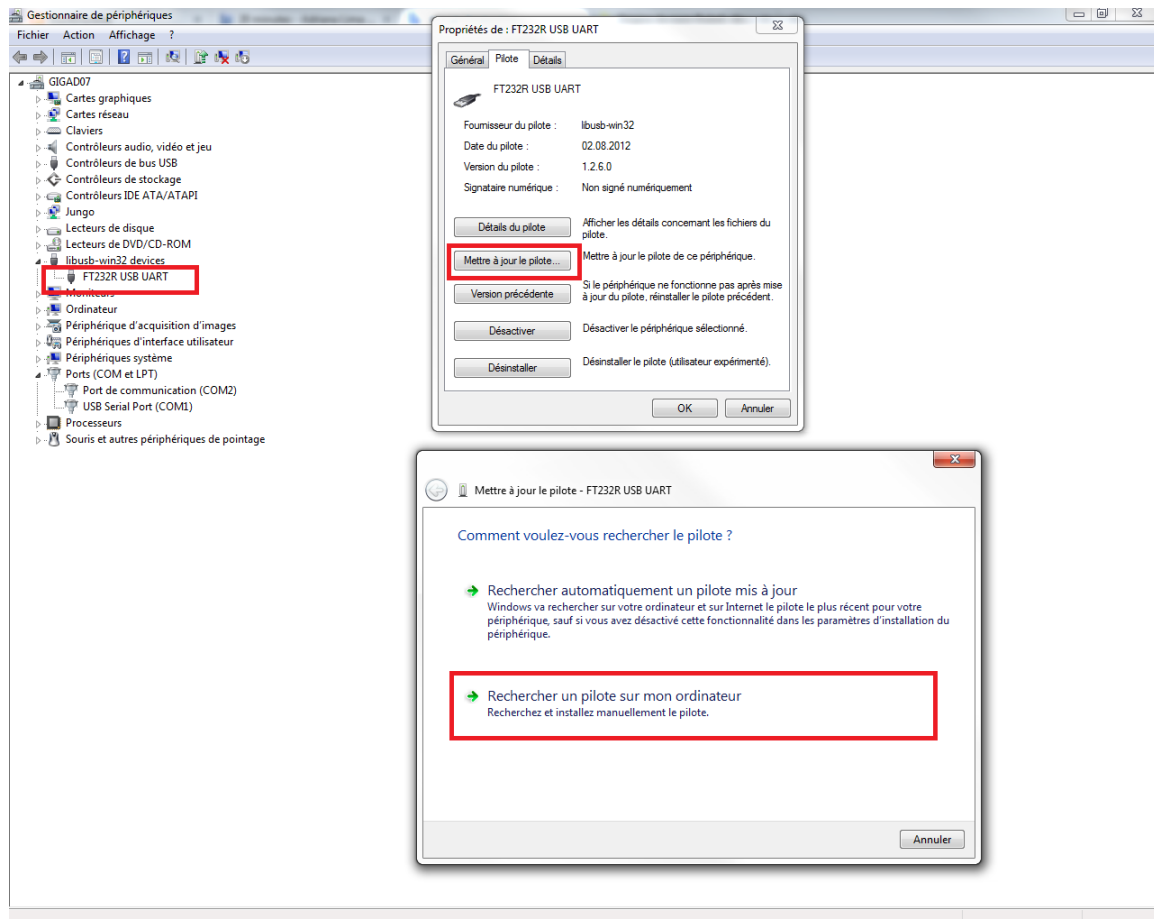


- Open « kilogui.exe », and connect via the device « **FTDI** »
- You must now calibrate the motors. (Instruction in the main User-Manual).

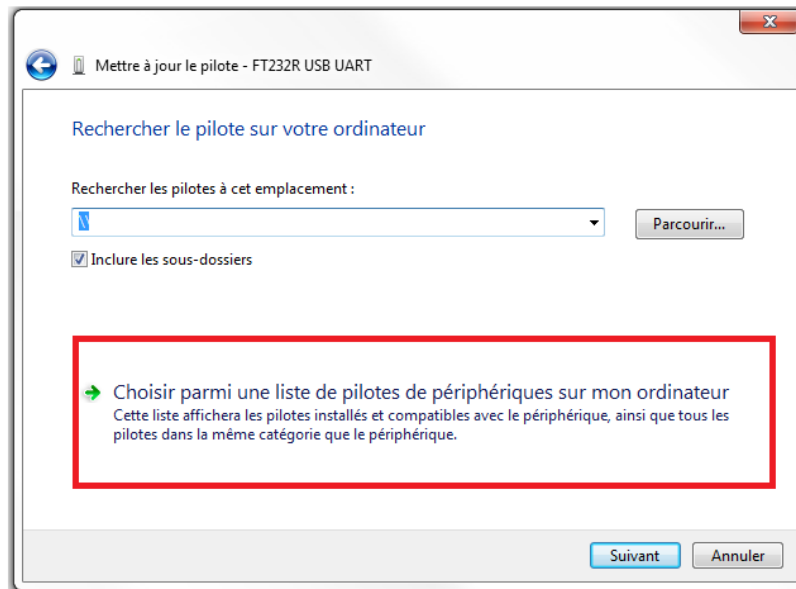
Back to the previous version

Open device manager and click on « **FT232R USB UART** » device.

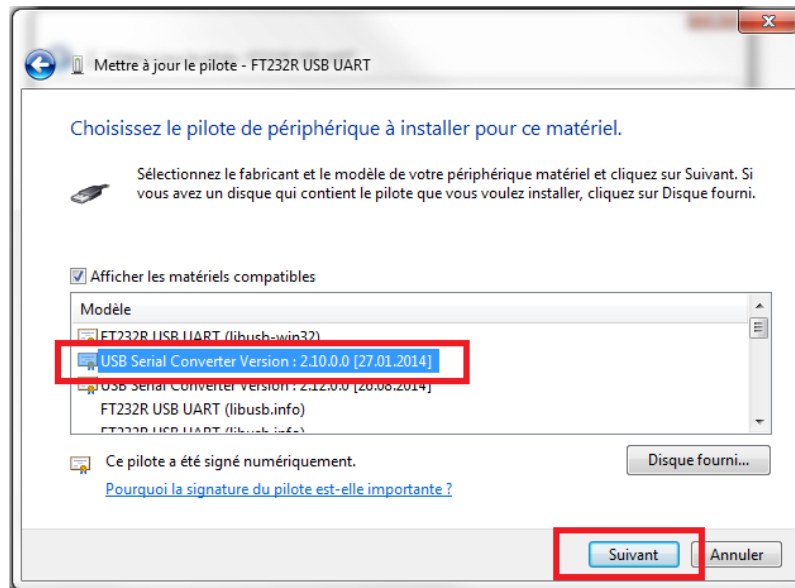
Select **update driver**, then « **search a pilot on my computer** ».



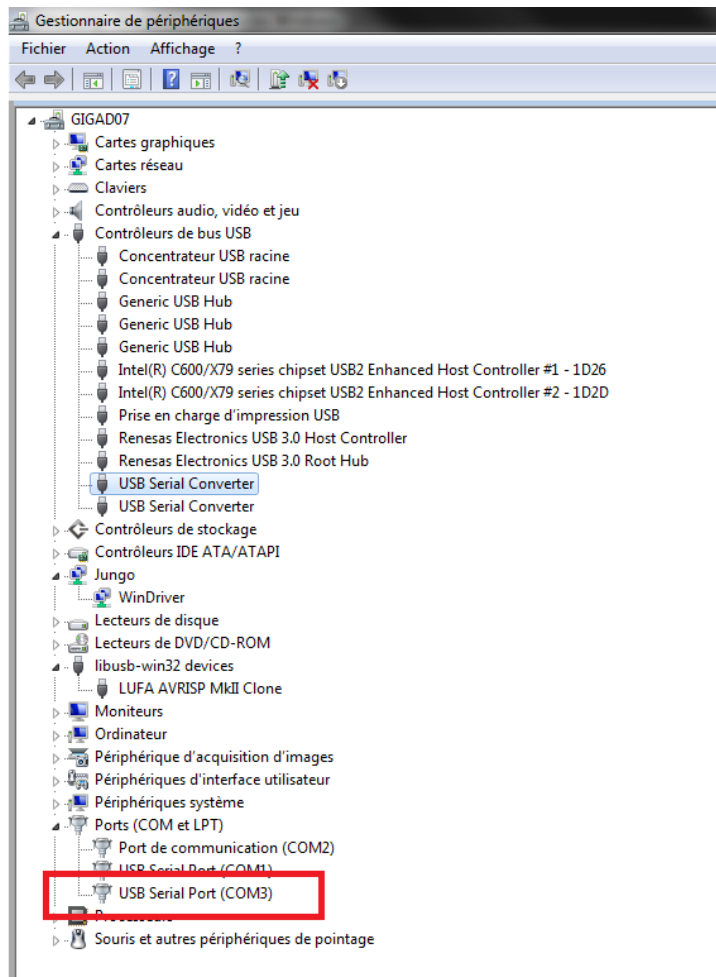
Choose option « **choose from a list of device drivers on my computer** ».



Select « **USB serial Convert Version : X.XX.X.X** » and click « **next** ».

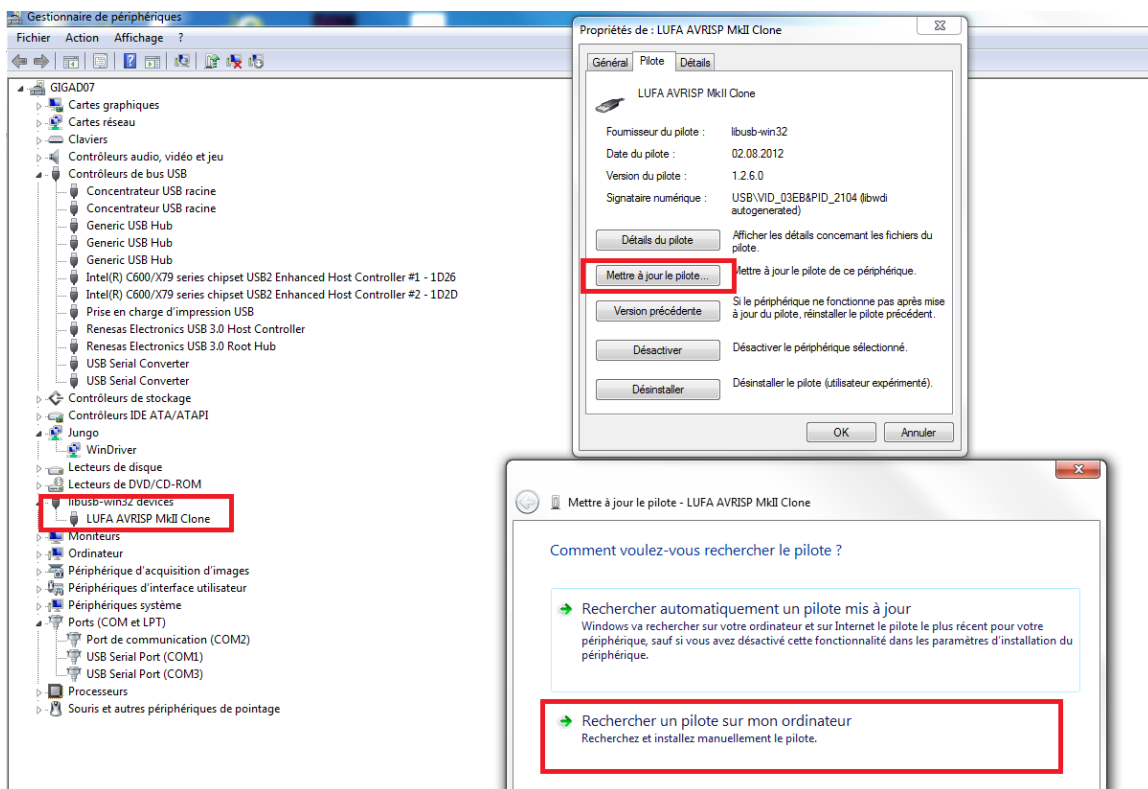


When you open the device manager, the driver must be identified as « **USB Serial Port X** ».

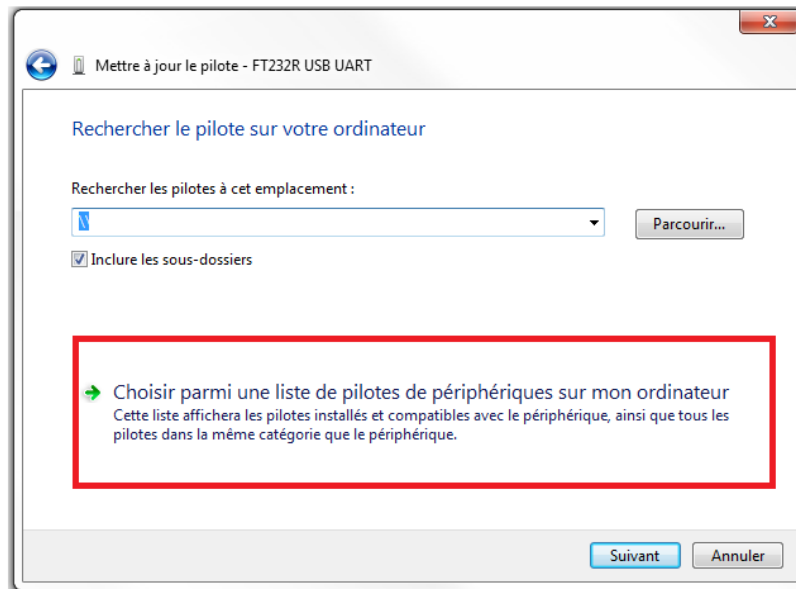


Open device manager and click on « **LUFA AVRISP mkII Clone** » device.

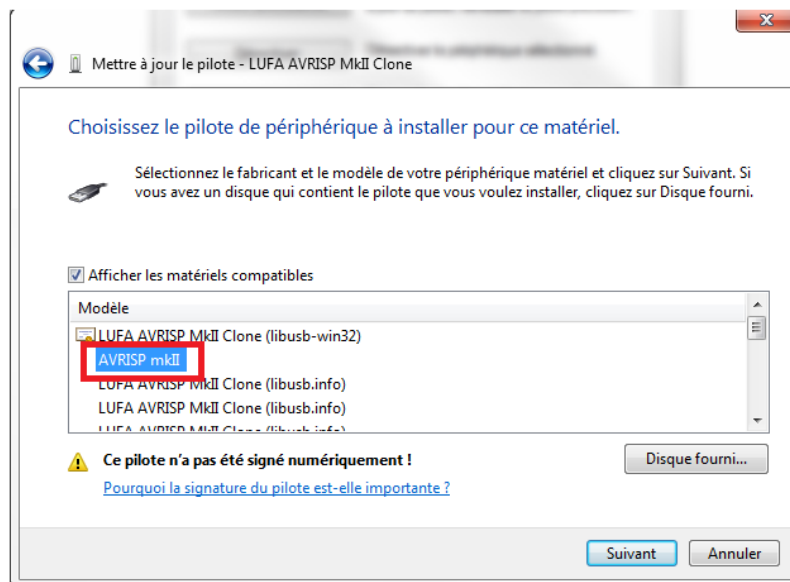
Select **update driver**, then « **search a pilot on my computer** ».



Choose option « **choose from a list of device drivers on my computer** ».

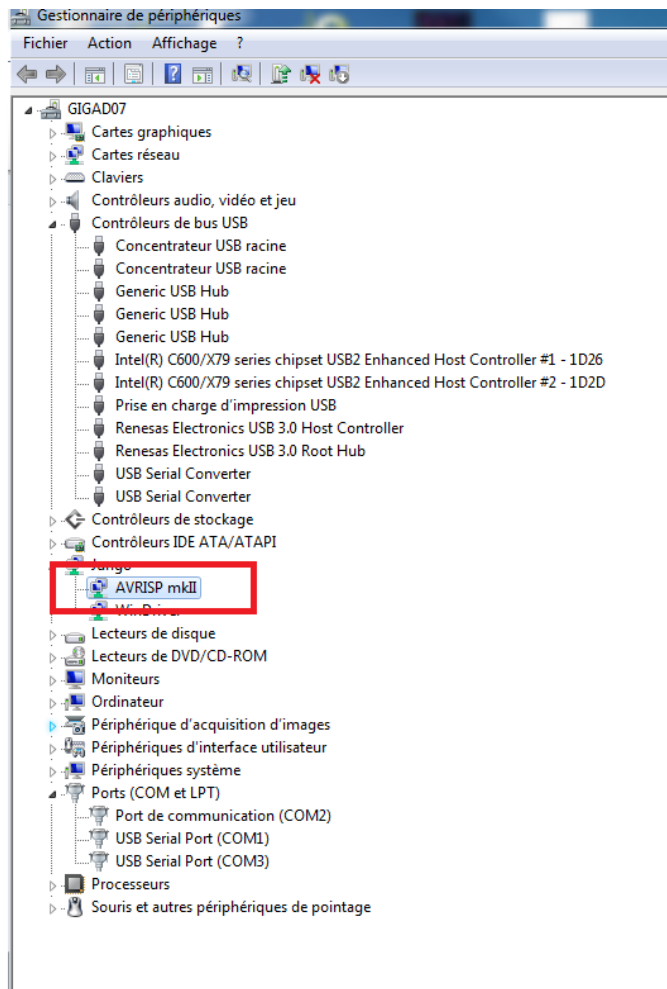


Select « **AVRISP mkII** » and click « **next** ».





When you open the device manager, the driver must be identified as « **AVRISP mkII** ».



For more informations about Kilogui.exe, check the website www.kilobotics.com.