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**KILOBOT
UPDATE**

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KILOBOT UPDATE

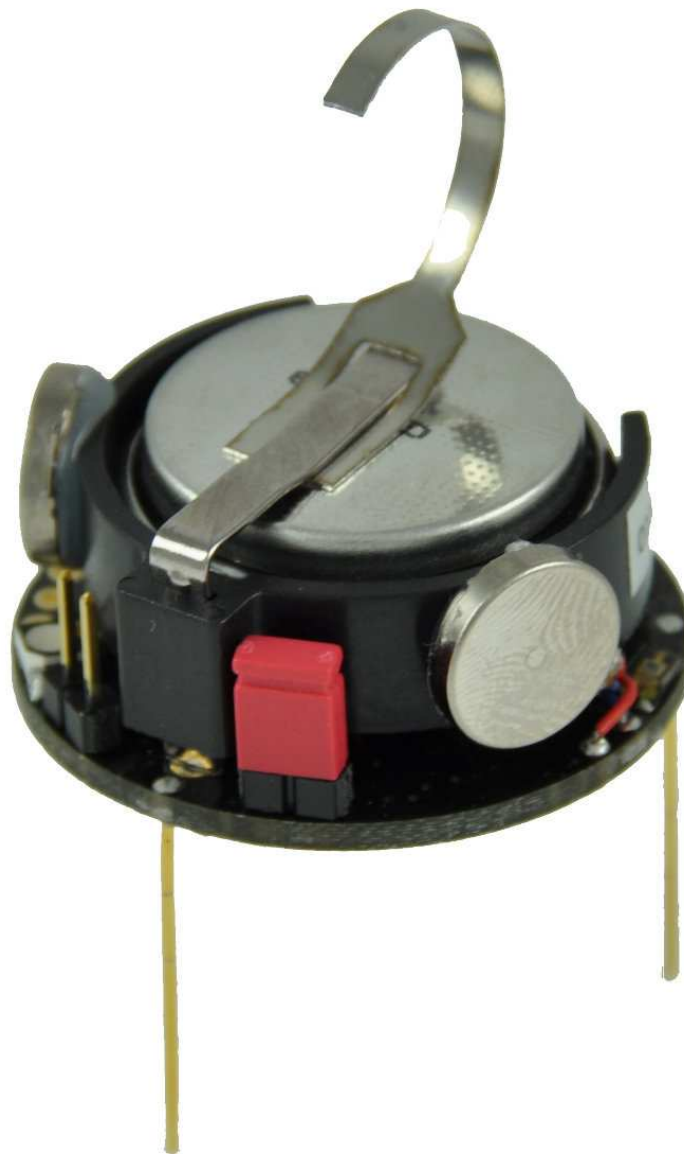K-TEAM & GIGATEC SA
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1. Install AVR studio 4

2. Connect the controller to PC (via USB)

3. Open AVR studio 4.

4. Tools -> program AVR -> auto connect

5. Under the tab « main », select « ATmega328 » and click « read signature »

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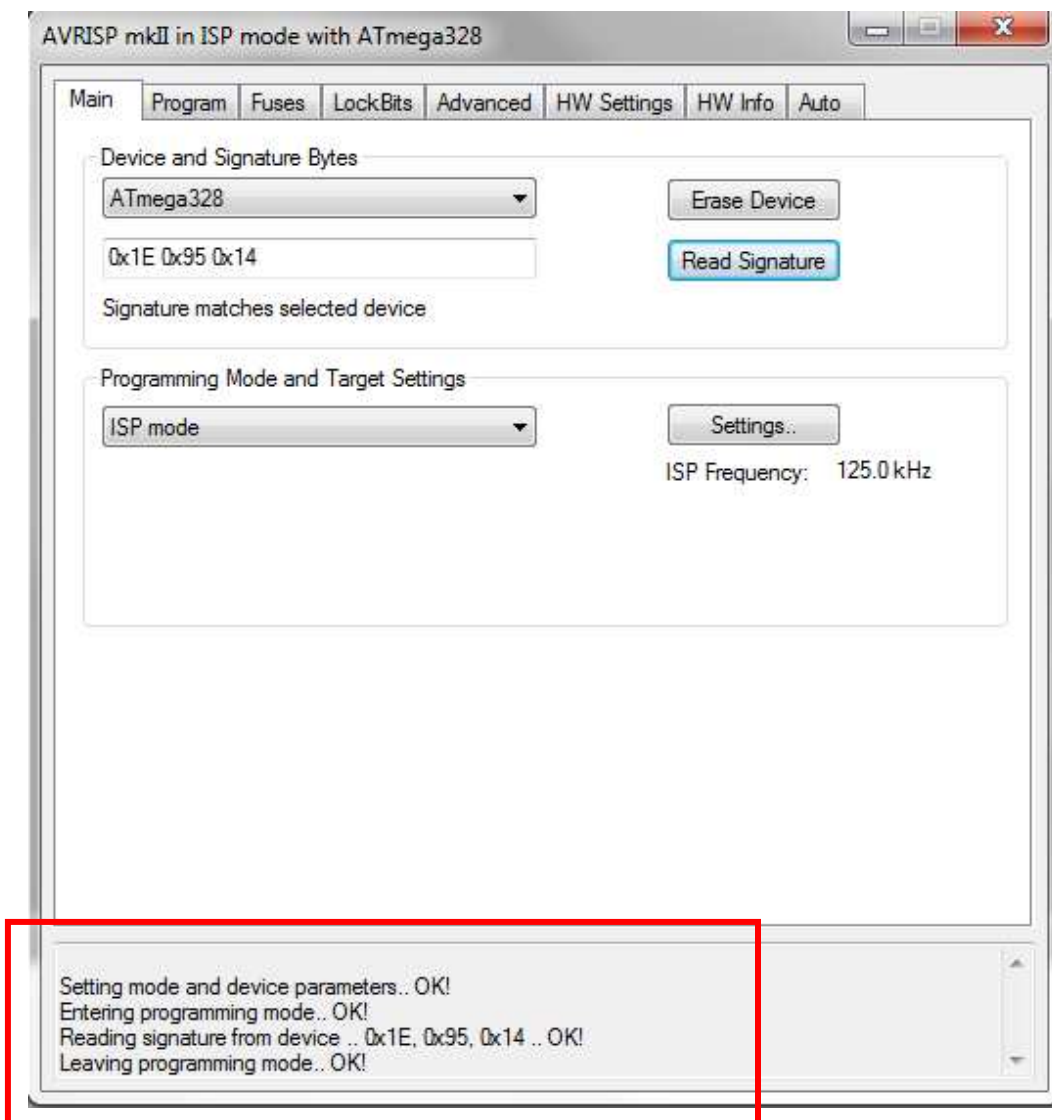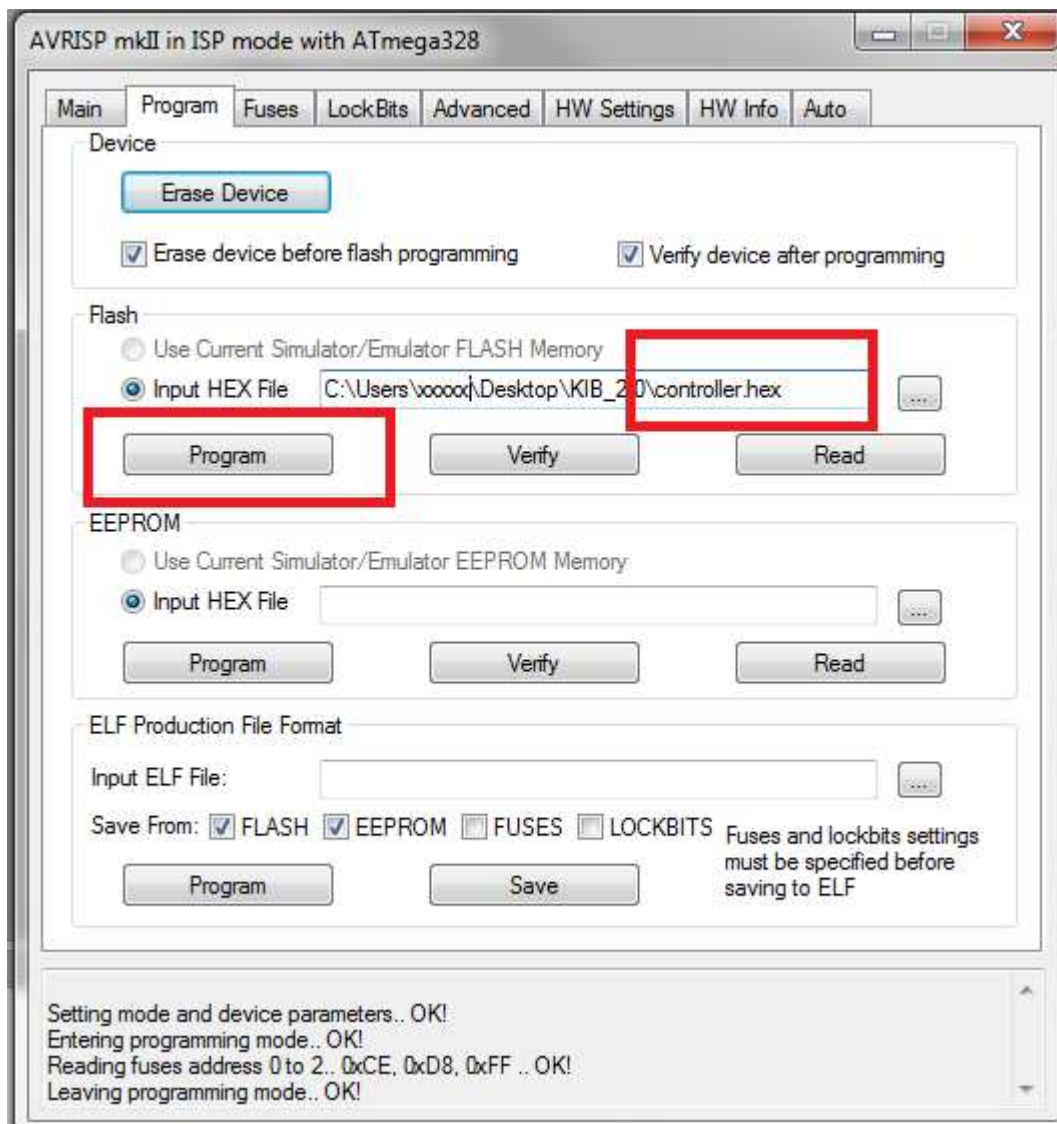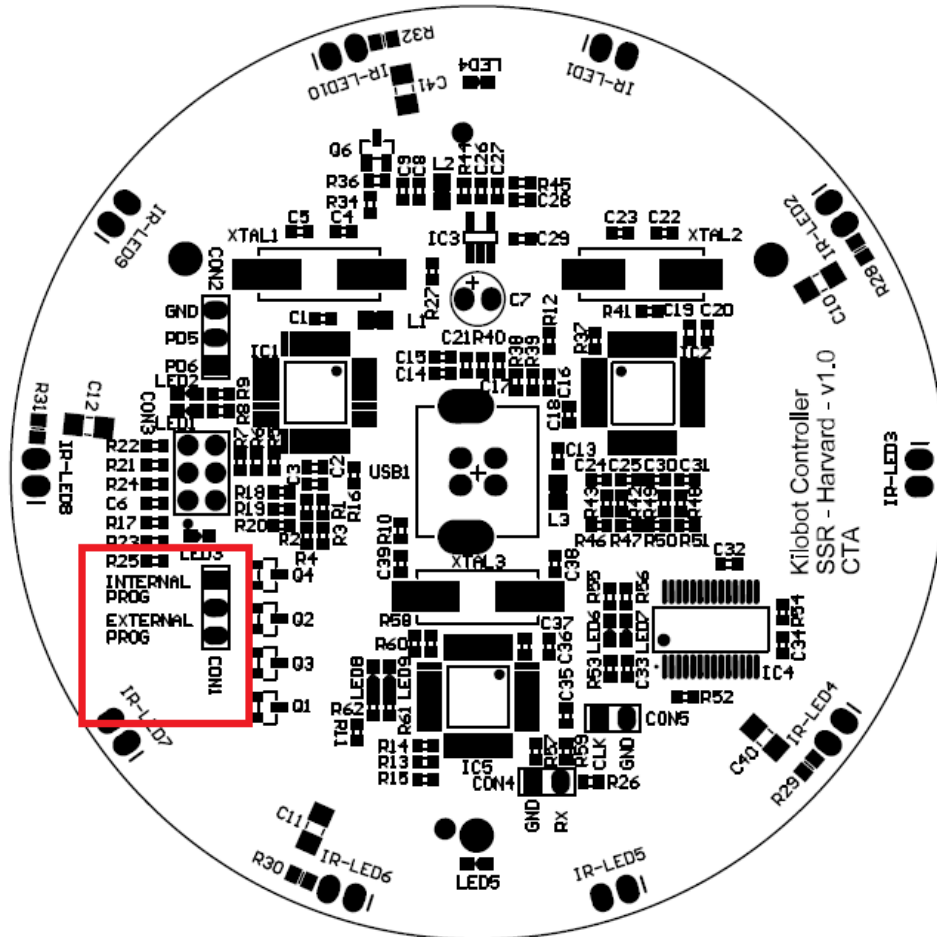Tel. +41 24 423 89 64
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6. Under the tab « program »,

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

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7. Put the jumper on « external prog »

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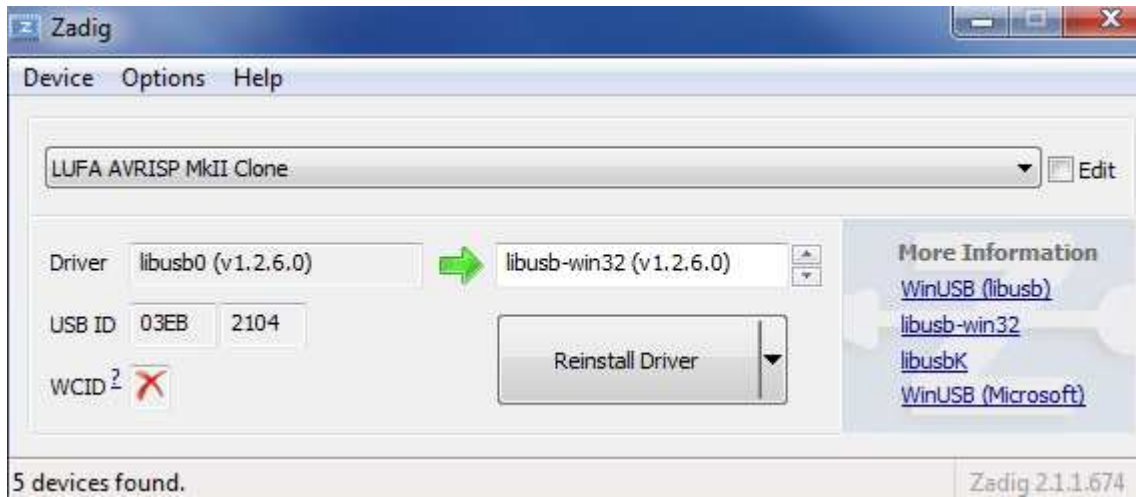
9. Close AVR studio 4

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10. Download « zadig_2.1.1.exe »

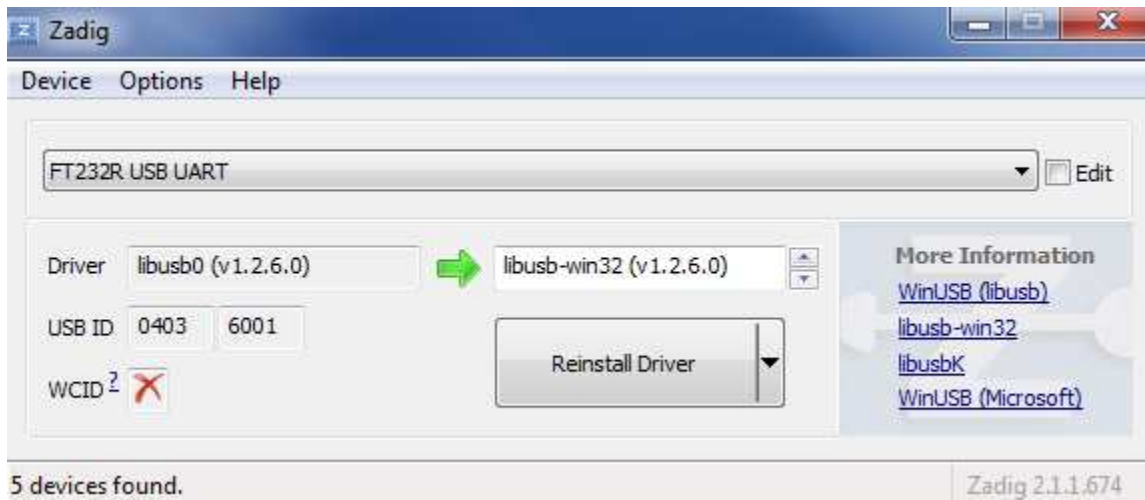   http://zadig.akeo.ie/

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) »**
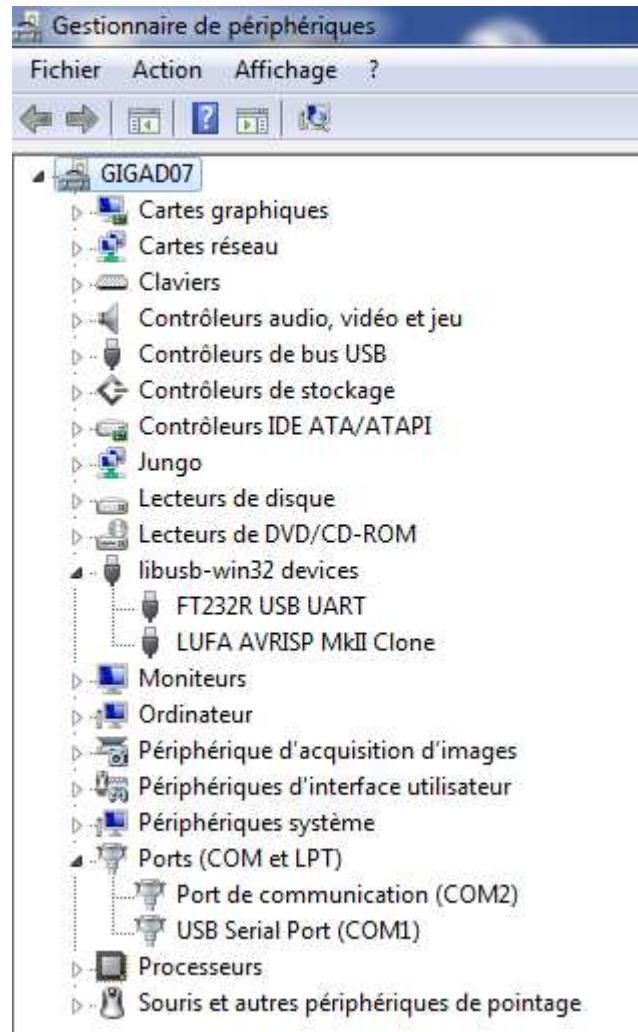

14. Click « replace Driver ».

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

16. Click « replace Driver ».

17. Close « Zadig »

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

19. Open « kilogui.exe », and connect via the device **« FTDI »**

20. You must now calibrate the motors. (Instruction in the main User-Manual).

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

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Demo mode in attachement :

Simplemov.hex :

Move forward 2 sec, clockwise 2 sec, anticlockwise 2 sec (repeat)

Orbit-star.hex :

You must program only one kilobot with this hex file. This kilobot not moving. The others turn around.

Orbit.hex :

Program all kilobot which turn in around of the « orbit star ».