AI.FRAME

WILD FLOWER 2.0 (AIF-87-2)

Wild Flower 2.0 is a 3D printed open source Bluetooth motion capture controller, based on the Arduino 2560, with an chargeable battery inside, it can be programmed via USB. It is compatible with XBee module, ZigBee module and Wi-Fi module, which uses UART port to communicate with other devices. Since it is open source hardware and software, and powered by an ATMEL MEGA2560, you are able to control robots, R/C models, aircraft and Fun-house prop.

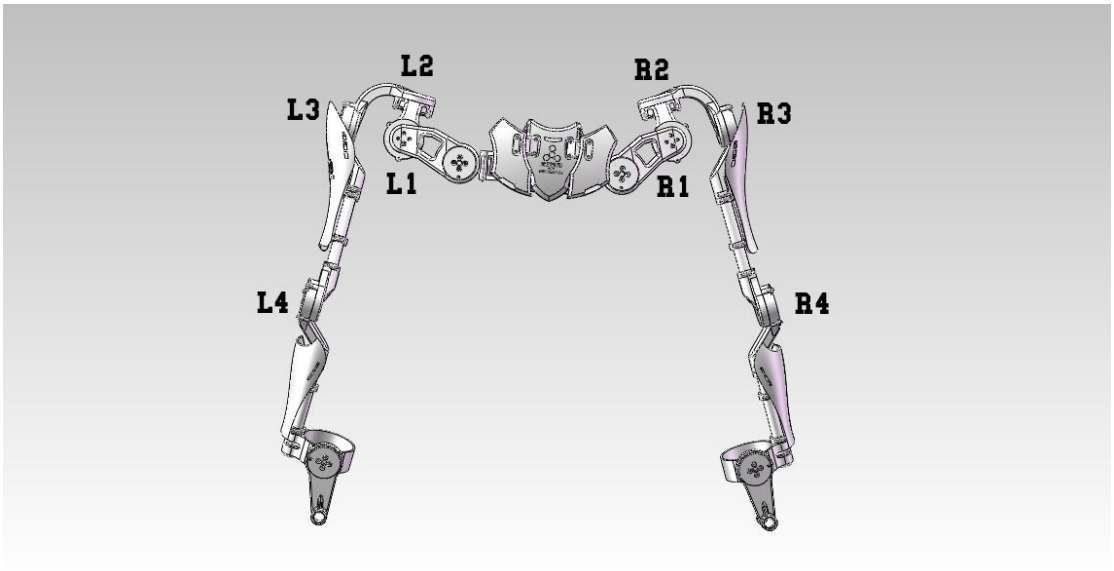
Arduino Quick Start:

http://arduino.cc/en/Guide/HomePage

Guide To Arduino 2560:

http://arduino.cc/en/Guide/Arduino2560Micro

Overview:



Feathers:

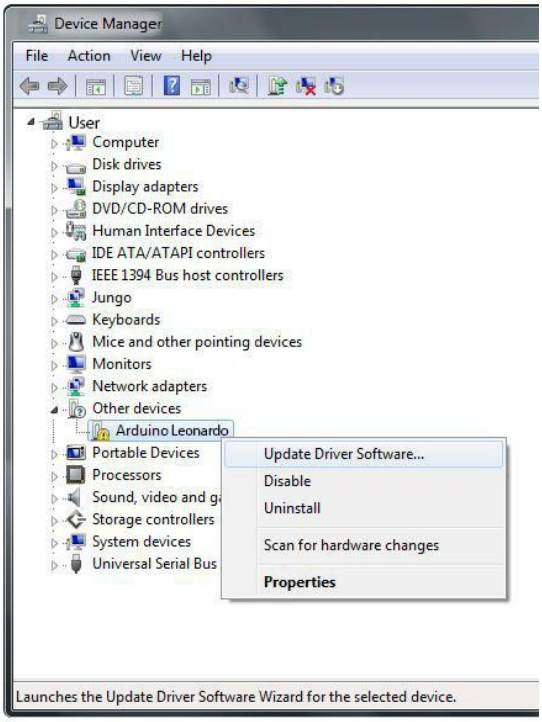
- **ATMEGA2560 based hardware**
- **Programmable via USB interface**
- **Program via USB interface with PC**
- **Recharging battery inside**
- **Bluetooth module inside, it can be replaced with Zigbee, Xbee, and Wi-Fi module**
- **Compatible with Arduino coding**
- **8 DOF for motion capturing.**
- **9-buttons game pad on the left hand.**
- **2 axis joystick on the right hand.**

Install Driver:

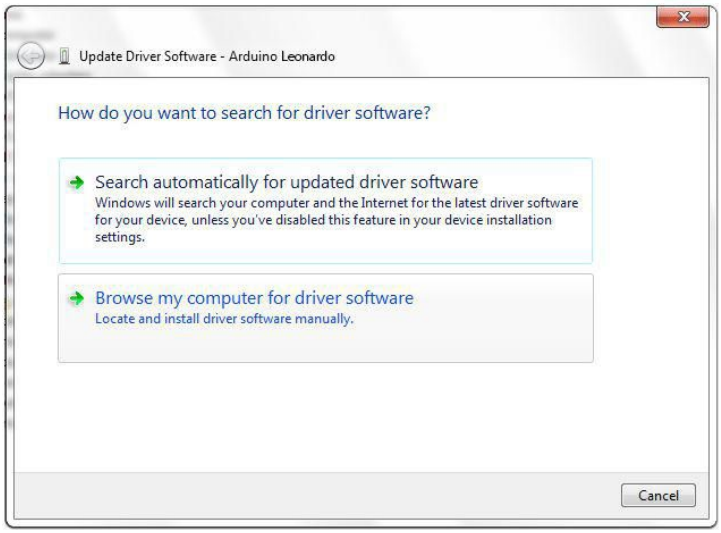
- **Windows:**

  The following instructions are for Windows 7. They are valid also for Windows XP, with small differences in the dialog windows.

  1. **Plug in your board and wait for Windows to begin its driver installation process. If the installer does not launch automatically, navigate to the Windows Device Manager (Start>Control Panel>Hardware) and find the Arduino listing. Right click and choose Update driver.**

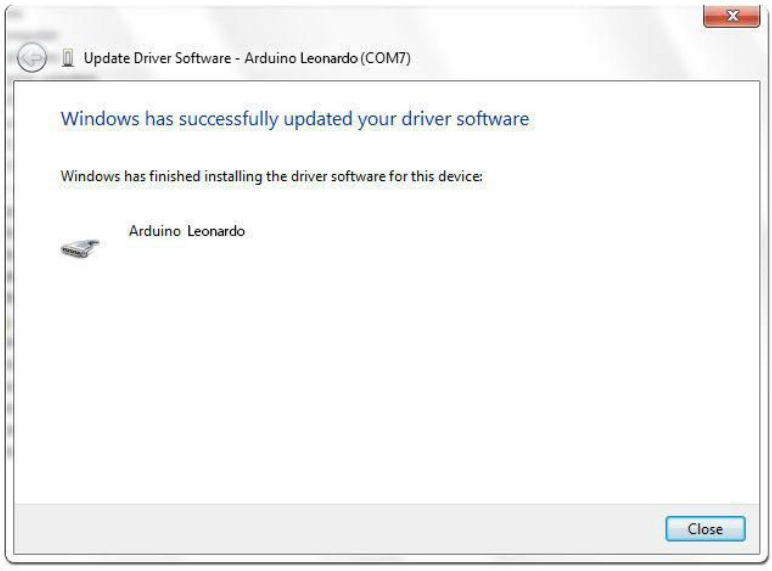


2. **At the next screen, choose "Browse my computer for driver software", and click Next.**



3. **Click the Browse... button. Another dialog appears: navigate to the folder with the Arduino software that you just downloaded. Select the drivers folder an click OK, then click Next.**

4. **You will receive a notification that the board has not passed Windows Logo testing. Click on the button Continue Anyway.**



After a few moments, a window will tell you the wizard has finished installing software for Arduino. Press the Close button. More OS versions check out: http://arduino.cc/en/Guide/Arduino2560Micro

Programming:

Download and install the Arduino IDE for your OS version: http://arduino.cc/en/Main/Software

Download the Firmware for Joystick 1 and open it with Arduino IDE: https://github.com/AiFrame/Joystick/tree/master/Firmware_for_Joystick1

- **Select the right COM port and board version for the joystick (Arduino 2560)**

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Do your coding: http://arduino.cc/en/Tutorial/HomePage

Comply and upload your code to controller:

http://arduino.cc/en/Guide/Windows#toc9

For more OS version check out: http://arduino.cc/en/Guide/HomePage

Design files: https://github.com/AiFrame

Website: http://aiframe.me

Forum: http://forum.aiframe.me

E-mail: support@aiframe.me