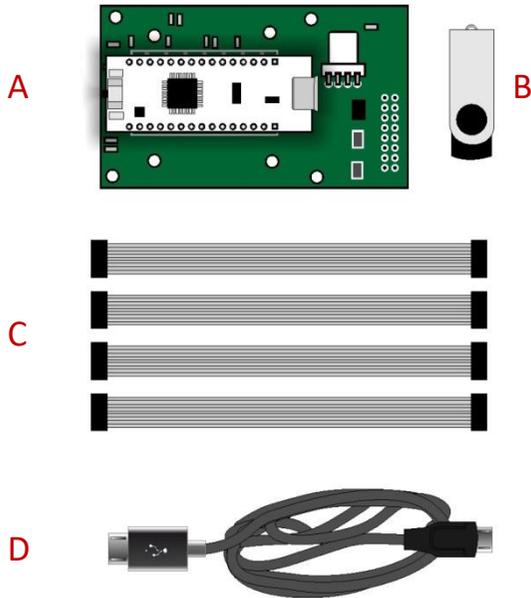


# QUICK START GUIDE - please refer to ezPyro™ Sensor Reference Manual

## 1. Check the contents

- A. Preassembled Pyreos backplane PCB (green) with STM32nucleo board (white)
- B. USB stick (evaluation software)
- C. Ribbon cable, optional use (up to 4)
- D. USB communications cable



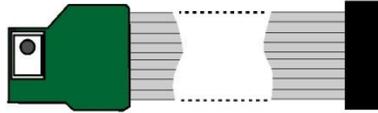
## 2. Install software

Install ezPyro Evaluation Tool software from the folder on the USB stick.  
API software is also available on the USB stick.  
Software is compatible with Windows 7, 8, 10.



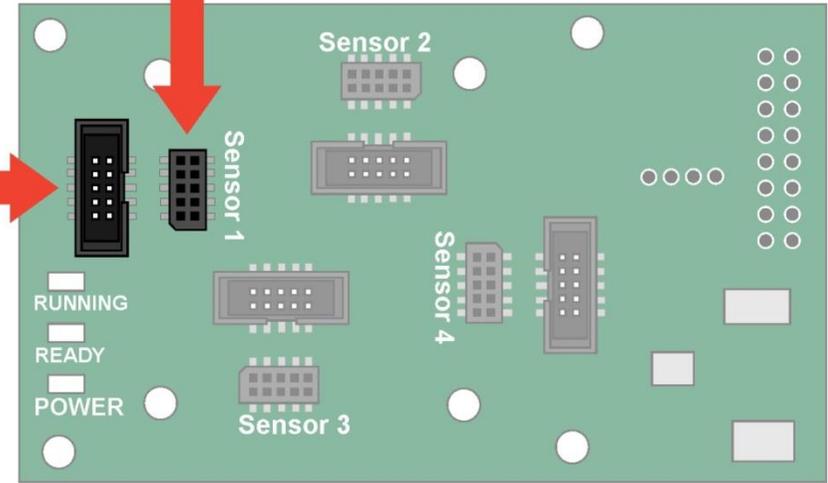
## 3. Populate the backplane board with up to 4 sensors (sensors not supplied with Pyreos backplane board)

Connect sensor to the **Sensor 1** position. You can connect the sensor directly to the socket on the board or use one of the supplied extension ribbon cables.

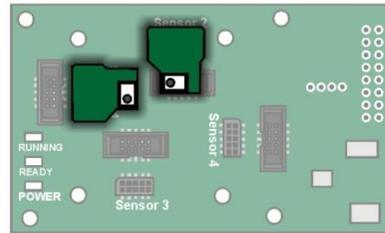


Add further sensors in numerical order. For example, if you want to use two sensors ensure they are placed in positions 1 and 2.

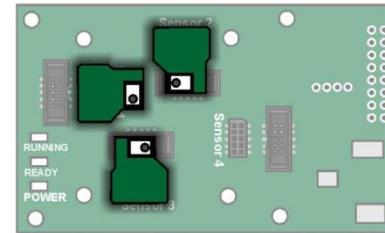
**NOTE:** One sensor must be connected to the **Sensor 1** position for the ezPyro to work correctly.



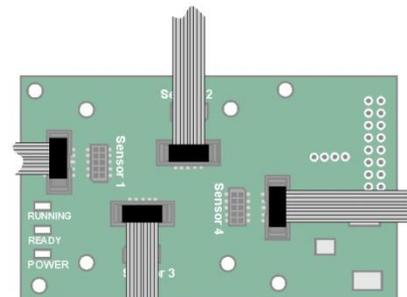
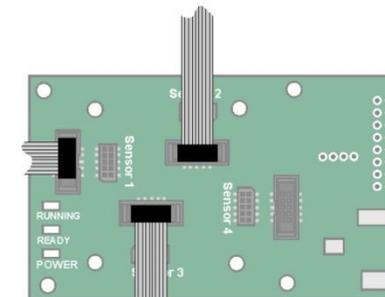
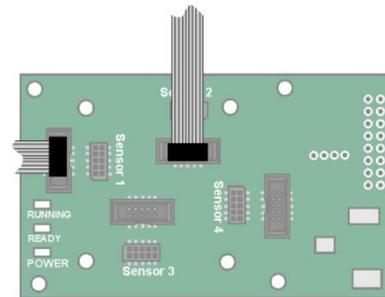
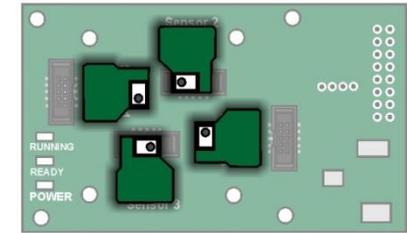
2 sensors



3 sensors



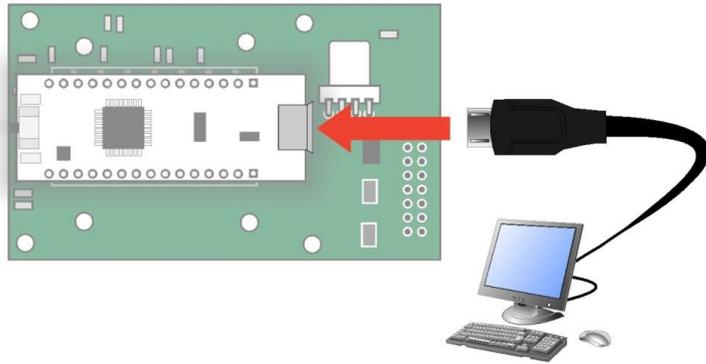
4 sensors



# QUICK START GUIDE - please refer to ezPyro™ Sensor Reference Manual

## 4. Connect ezPyro to computer

Insert the USB cable into a suitable port on your PC, and connect the other end into the STM32nucleo board.



## 5. Check LEDs

Check that the following LEDs are illuminated.

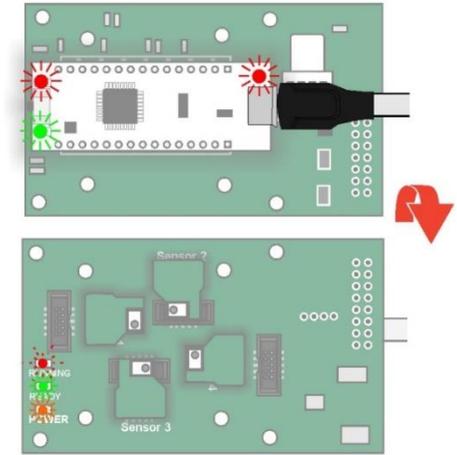
On the STM32nucleo card:

- LD1 (red) next to USB socket
- LD2 (red) next to Reset button
- LD3 (green) next to Reset button

On the sensor side of the backplane board:

- Running LED (red - flashing)
- Ready LED (green - only lit when sensor(s) connected)
- Power LED (amber)

If this is not the case, check that the STM32nucleo board and sensors are correctly seated and that the USB cable is connected to a powered socket.



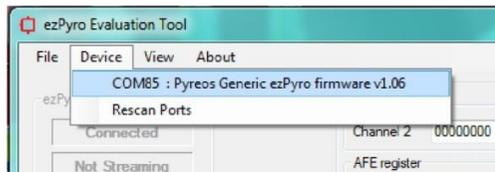
## 6. Run ezPyro Evaluation Tool

Open the **ezPyro Evaluation Tool** from the Start menu of the connected computer.



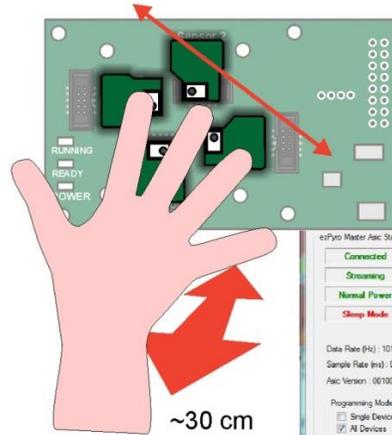
## 7. Select Device

Select **COMxx : Pyreos Generic ezPyro firmware vX.xx** from the dropdown list (where x = comport number and the firmware version number, these values may change).



If no device is shown, check all connections and then select Rescan Ports.

## 8. Check sensor operation



Move your hand across the sensors and observe deflections in the traces on the screen.

If a sensor is unresponsive, unplug it from the backplane board and then reattach, double-checking pin alignment and orientation. Restart the ezPyro Evaluation Tool. For more details see full user guide.

