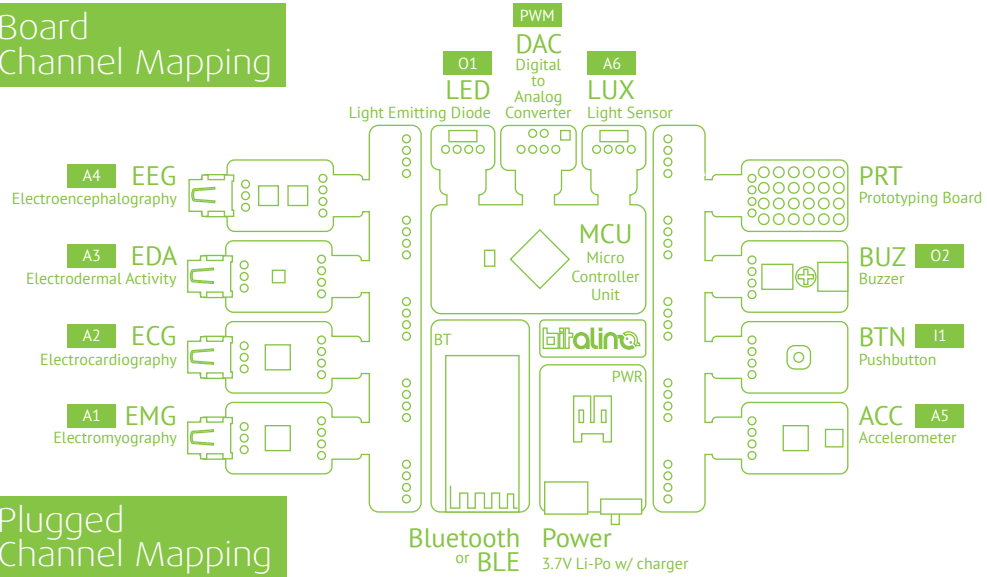
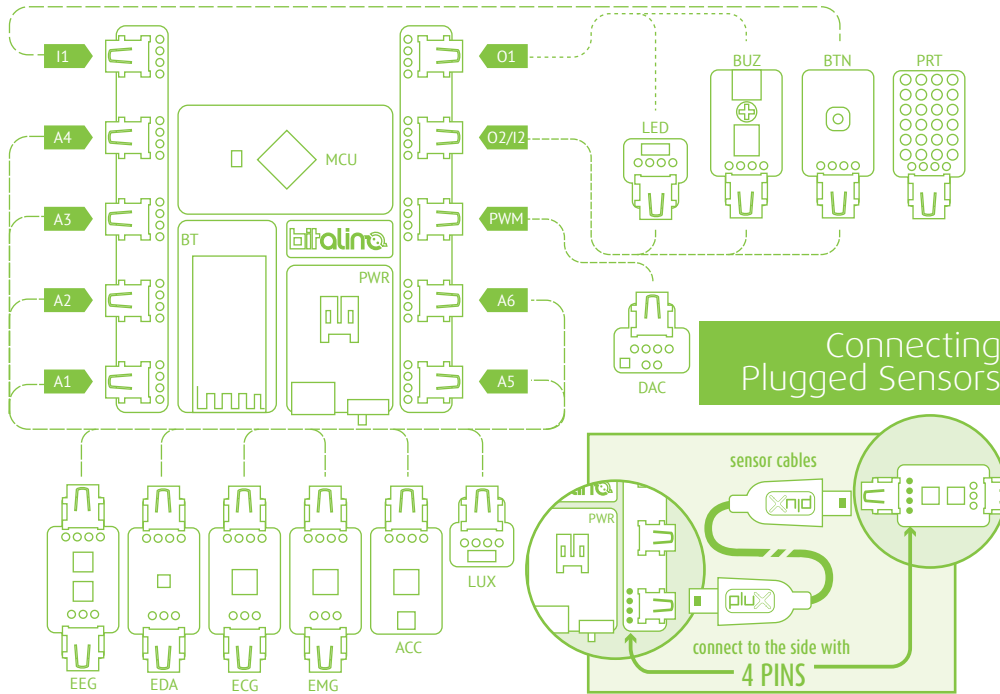


Board Channel Mapping



Plugged Channel Mapping



Connecting Plugged Sensors

bitalino

DIY biosignals

Quickstart Guide

Have any questions? Visit:

www.bitalino.com for software and documentation | forum.bitalino.com to share your thoughts and projects | bitalino@plux.info to talk with our team

1 Download OpenSignals

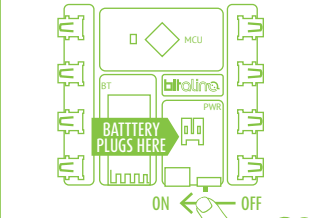
Visit our website www.bitalino.com/software to download and install the software for your operating system.



OpenSignals will issue notifications whenever new releases and improvements are available.

2 Turn On the Device

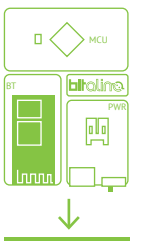
Plug the battery onto the socket found on the Power (PWR) block; slide the switch to the ON position.



You can easily confirm that the device is turned on, as a white LED will start fading on the Microcontroller (MCU) Block.

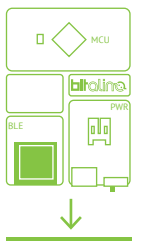
3 Your BITalino is a

BT



GO TO STEP 3.1

BLE

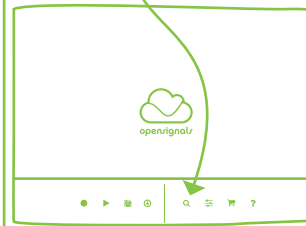


GO TO STEP 4

Note that some internal Bluetooth adapters have limited performance to handle the BITalino throughput. Please refer to the following thread on our forum for additional information: bitalino.com/ble-notes

4 Launch OpenSignals

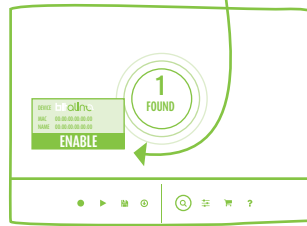
Browse for devices in range.



This will search for devices turned on and within Bluetooth range of your computer.

5 Enable Device

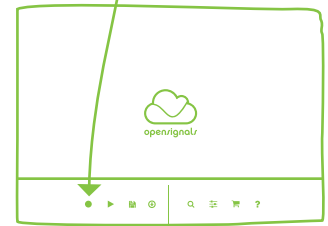
Make sure that the device is enabled (ENABLE button highlighted in blue)



Generally, in its first use, the software automatically enables the device for data acquisition.

6 Have Fun!

Press (record) and have fun!

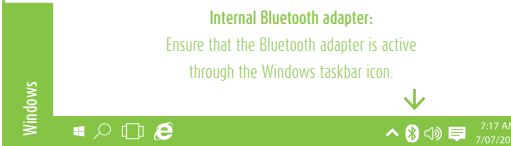


After stopping your recording, data can be saved through the button; please refer to the OpenSignals manual to learn all about its features.

3.1 Bluetooth Adapter


Internal Bluetooth adapter:

Ensure that the Bluetooth adapter is active through the Windows taskbar icon.




External Bluetooth dongle:

Plug in the Bluetooth dongle and wait for the device drivers to be installed.



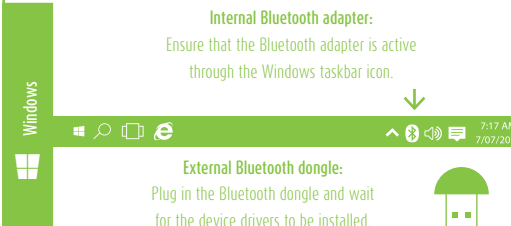
Mac OS

Check the top right corner of your menu bar and ensure that the Bluetooth is ON; open Bluetooth preferences.



On Mac OS the internal Bluetooth adapter will suffice.

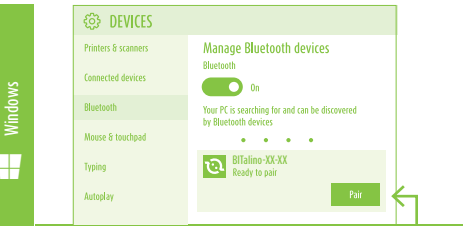
Windows



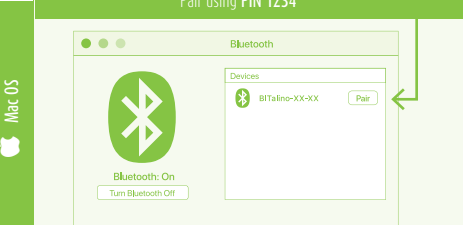
Pair using PIN 1234

Mac OS usually manages the connection state automatically, which means that some time after pairing (and whenever the device stays a period of time without being used) you will see the indication "Not Connected". This is normal and you do not need to pair the device again (Mac OS will automatically change the state of the device back to "Connected" when you try to use it).

3.2 Pair Device

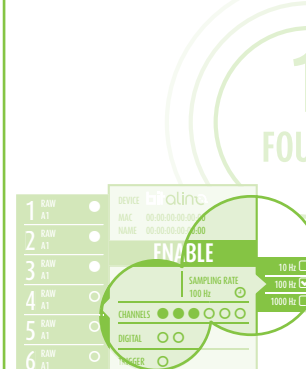


Pair using PIN 1234



Issues with Performance?

If you are experiencing connection drops or poor performance, try **reducing the number of channels** being acquired and/or the **sampling rate** on the device settings window.



BITalino.com Offers



Software and APIs
for data acquisition

<http://bitalino.com/en/software>
<http://bitalino.com/en/development/apis>



Detailed documentation
to make the most of your device

<http://bitalino.com/en/learn/documentation>
<http://bitalino.com/en/learn/examples>

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