

App Guide **Raw Data**

SageMotion
Wearable Biofeedback System



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Components



Hub



Nodes (8x)



Battery



Node Straps: *Medium (8x), Short (4x), Long (2x)*



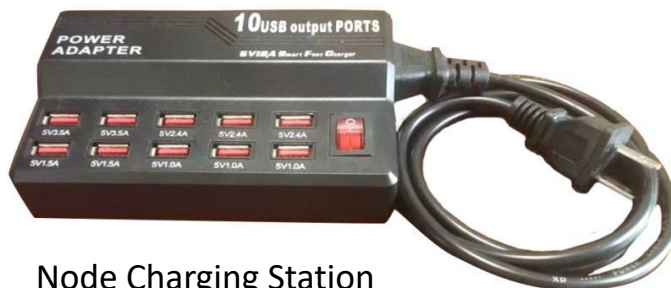
Cable A (10x)

-Connect Hub to Battery
-Charge Nodes & Battery



Cable B (*optional use*)

-Connect Hub to Computer



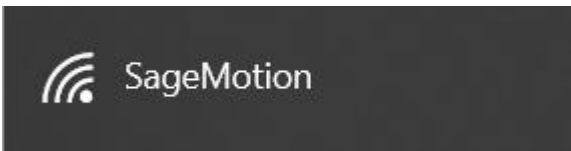
Node Charging Station

Wirelessly Connect to Computer or Cellphone

1) Connect Cable A to Battery and to Hub



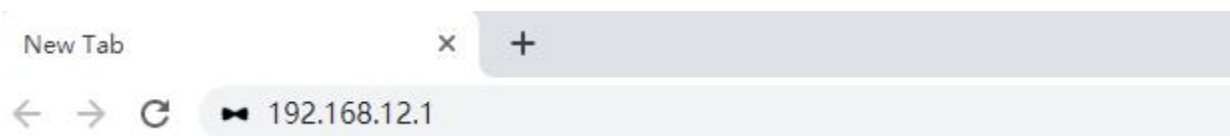
2) On Computer/Cellphone, Connect to Wi-Fi: "SageMotion"



Note 1: Need to wait for up to 1 minute for "SageMotion" to appear in Wi-Fi list. If it doesn't appear, try turning the Wi-Fi off and then on again on the computer/cellphone.

Note 2: Hub is connected after clicking "Connect" even if in Windows it shows "Connecting" or "No internet, open".

3) On Computer/Cellphone, in Chrome Address Bar, Go To <http://192.168.12.1>



[Note] If Computer Doesn't Have Wi-Fi: plug in Cable B to the Hub and to the ethernet port of your computer, then in chrome address bar, go to **<http://192.168.137.1>**

RawData App

The purpose of the RawData App is to demonstrate how to: 1) wirelessly connect a single node to the hub, and 2) visualize node data in real-time.

1) Turn on 1 Node



Slide switch toward middle to turn node on



Green light will blink after the node is on and running



Green LED (power and wireless connection)

- ON:** Power on, wirelessly *connected* to hub
- OFF:** Power off
- Blinking:** Power on, wirelessly *disconnected* to hub

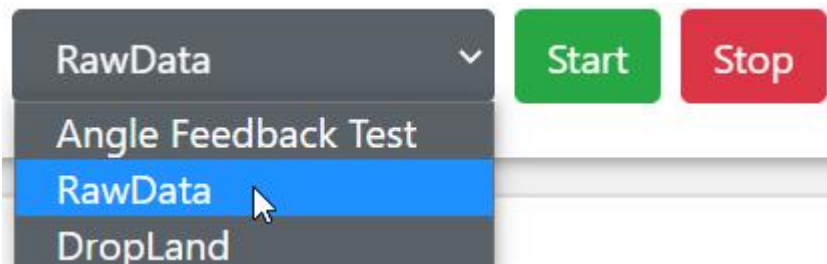
Red LED (visual interface)

- ON:** Sync failure, switch node off then on again
- OFF:** Normal operation
- 3 Blinks:** Triggered from blink button in interface

Yellow LED (battery)

- ON:** Battery is charging
- OFF:** Battery is full (cable plugged in) or charging cable is unplugged
- Blinking:** Battery malfunctioning

2) Select “RawData” App



3) Click “Search”

Node List



RawData App (cont.)

4) In the Type Dropdown Box, Select “sensor”

Node List

Type	Position	MAC
<div><div>sensor ▼</div><div>sensor</div></div>		88:6B:0F:E1:D8:7A

Note: 12-digit node ID will match the number in the MAC column

5) Click “Connect”

Node List

6) “Ready to collect data” Will Appear after Node Connection Complete

RawData ▼

✓ *Ready to collect data*

7) Click “Blink” to Test Connection. Red Light on Node Will Blink 3 Times

Type	Position	MAC			
sensor	Sensor 1	88:6B:0F:E1:D8:7A			<input type="button" value="Blink"/>



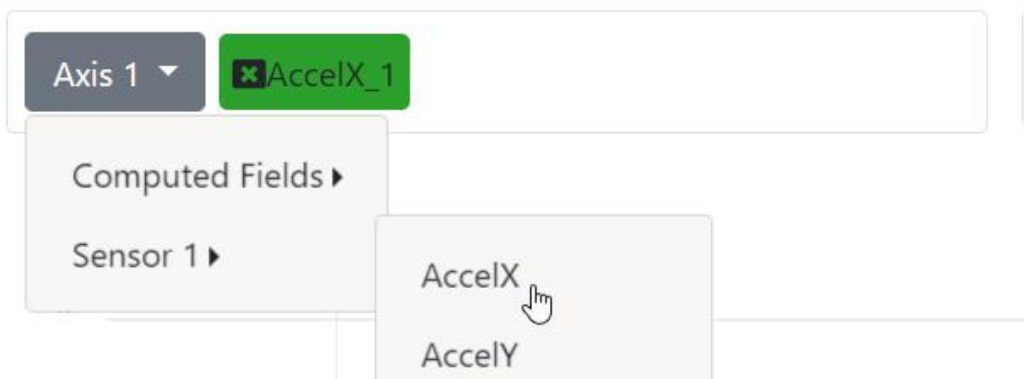
RawData App (cont.)

8) Click “Start” to Start Running App



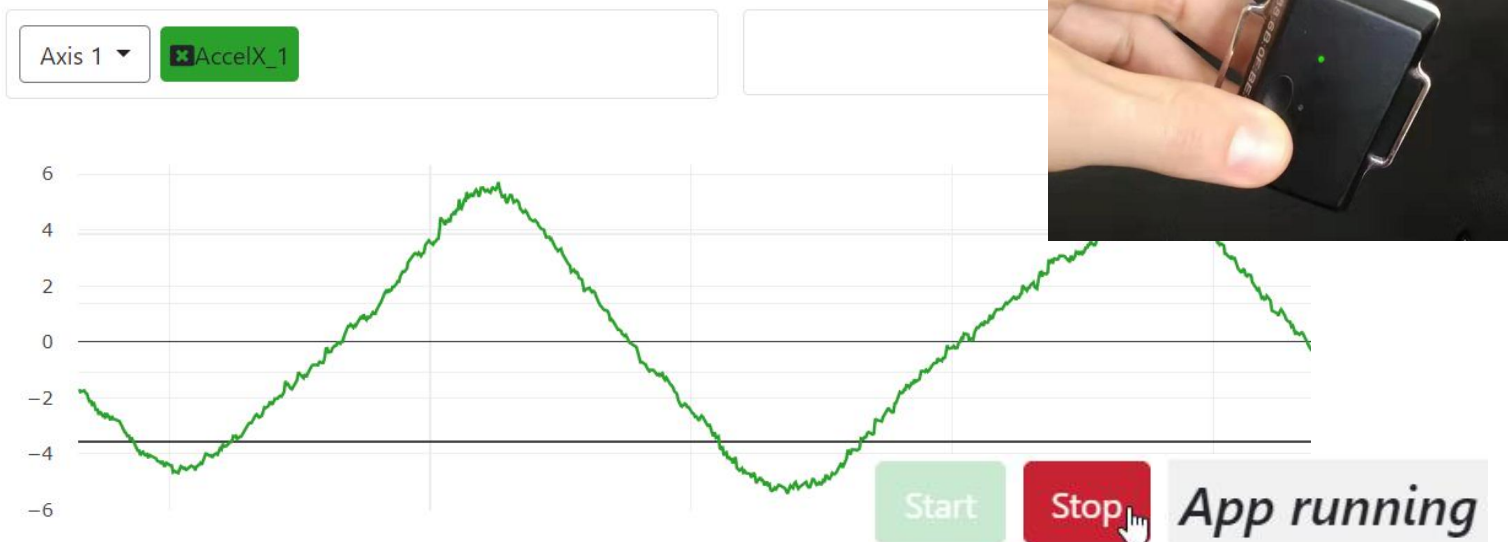
9) Click Axis 1 > Sensor 1 > AccelX to Plot x-axis Acceleration

Plot Data



10) Rotate Node to the Right and Left in Orientation Shown Below and Observe Real-Time Visual Plotting. When Done, Click “Stop”

Plot Data



RawData App Finished!