App Guide
Angle Feedback Test

SageMotion
Wearable Biofeedback System

sagemotion

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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

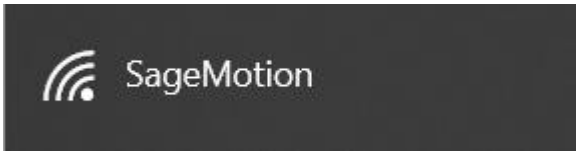
Cable B *(optional use)*
-Connect Hub to Computer

Node Charging Station

Wirelessly Connect to Computer or Cellphone

1) Connect Cable A to Battery and to Hub

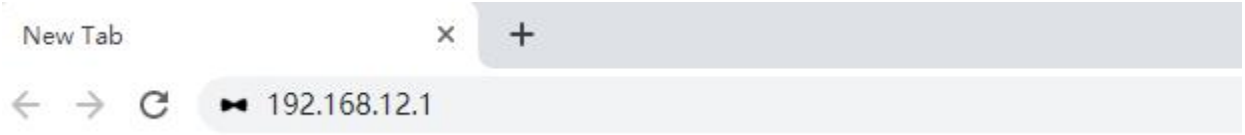
2) On Computer/Cellphone, Connect to Wi-Fi: “SageMotion”



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***

Angle Feedback Test App

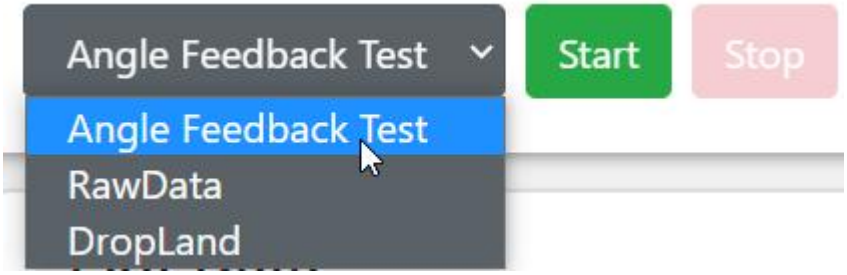
The purpose of the Angle Feedback Test App is to demonstrate how to: 1) wirelessly connect multiple nodes to the hub, 2) receive real-time haptic feedback based on node angle changes, and 3) collect and save data from a trial.

1) Turn on 3 Nodes

Slide switch toward middle to turn node on

Green light will blink after the node is on and running

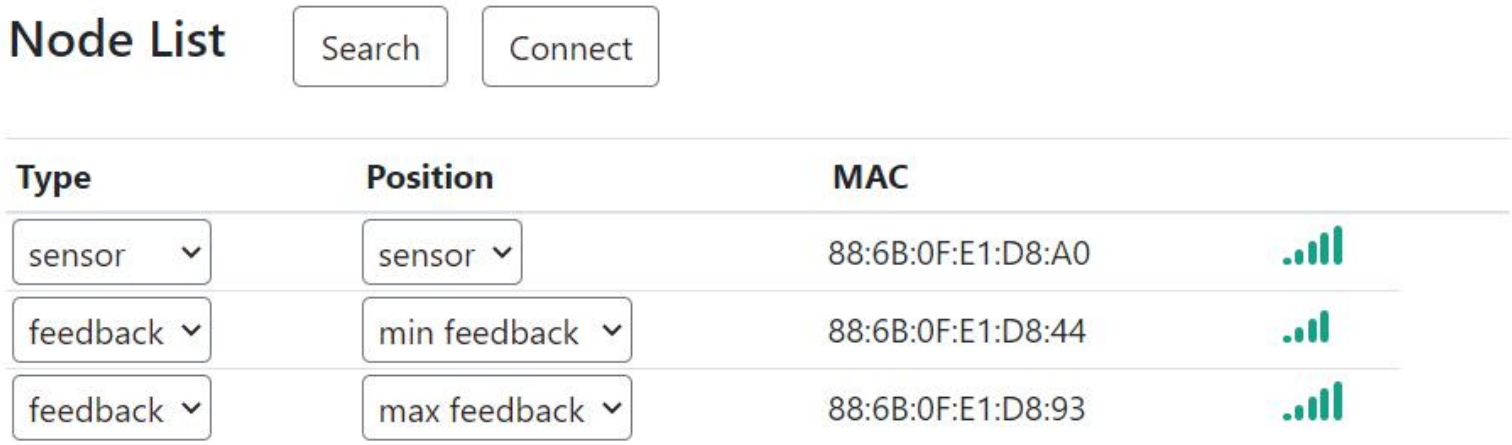
2) Select “Angle Feedback Test” App



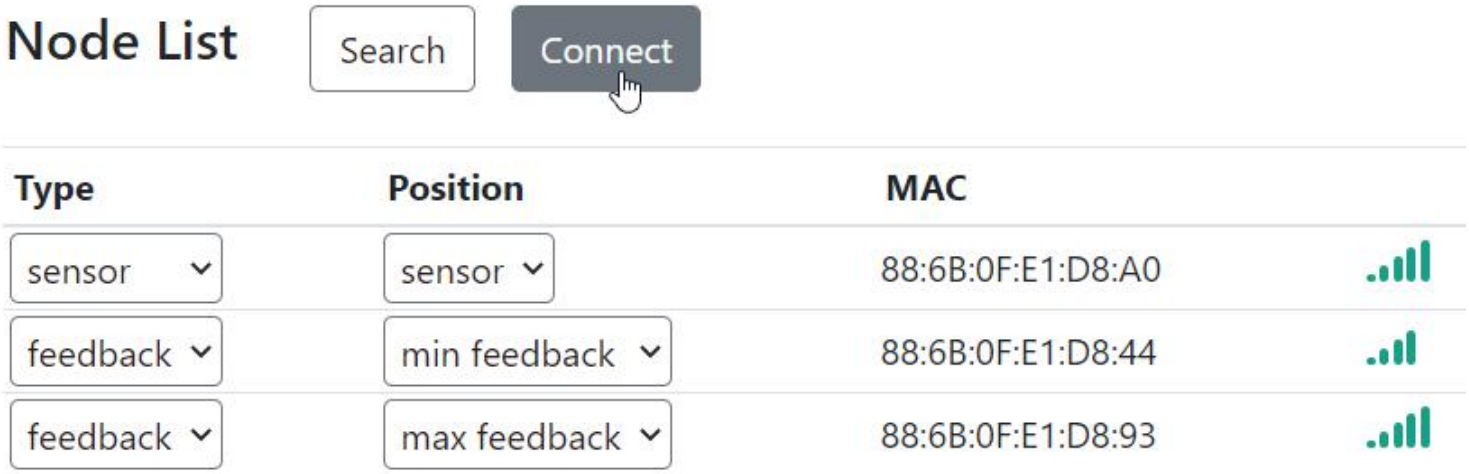
3) Click “Search”

Angle Feedback Test App *(cont.)*

4) Configure 1 Sensor Node and 2 Feedback Nodes as Shown Below:



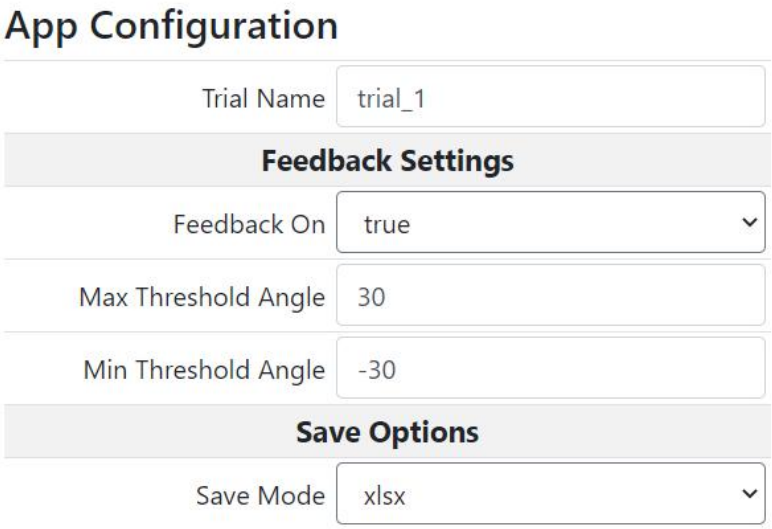
5) Click “Connect”



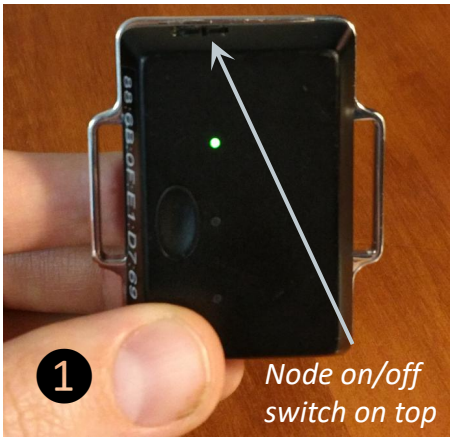
6) “Ready to collect data” Will Appear after Node Connection is Complete

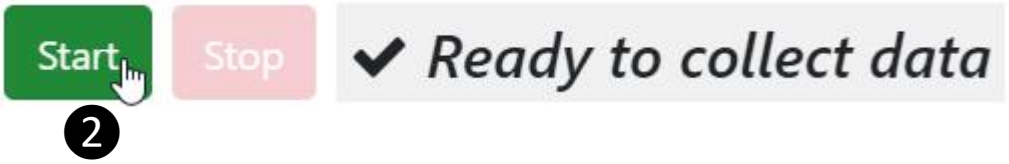
Angle Feedback Test App *(cont.)*

7) In App Configuration, Enter Settings as Shown Below:



8) ❶ Hold Sensor Node Vertically *(in Orientation Shown Below)* Then, ❷ Click "Start"



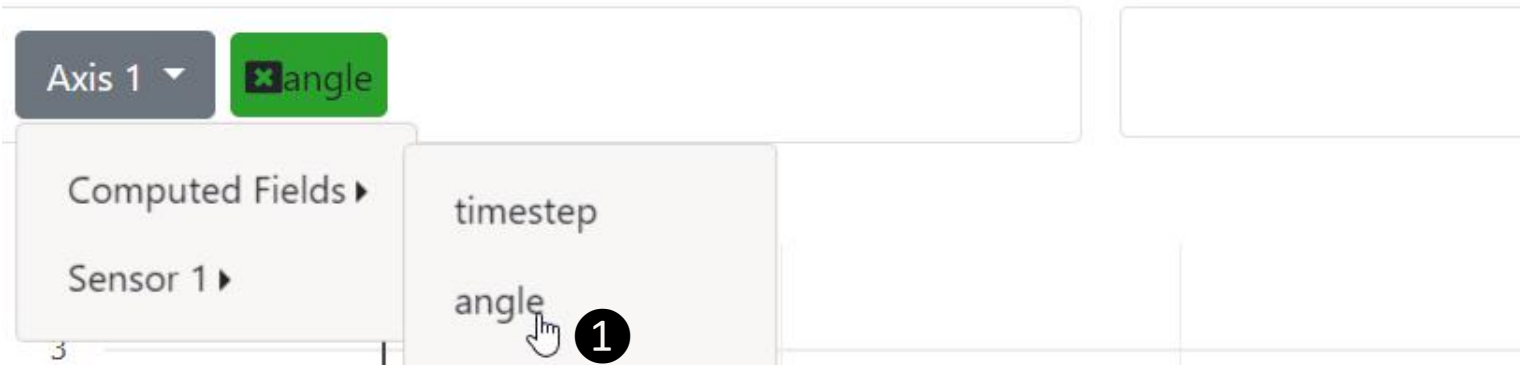


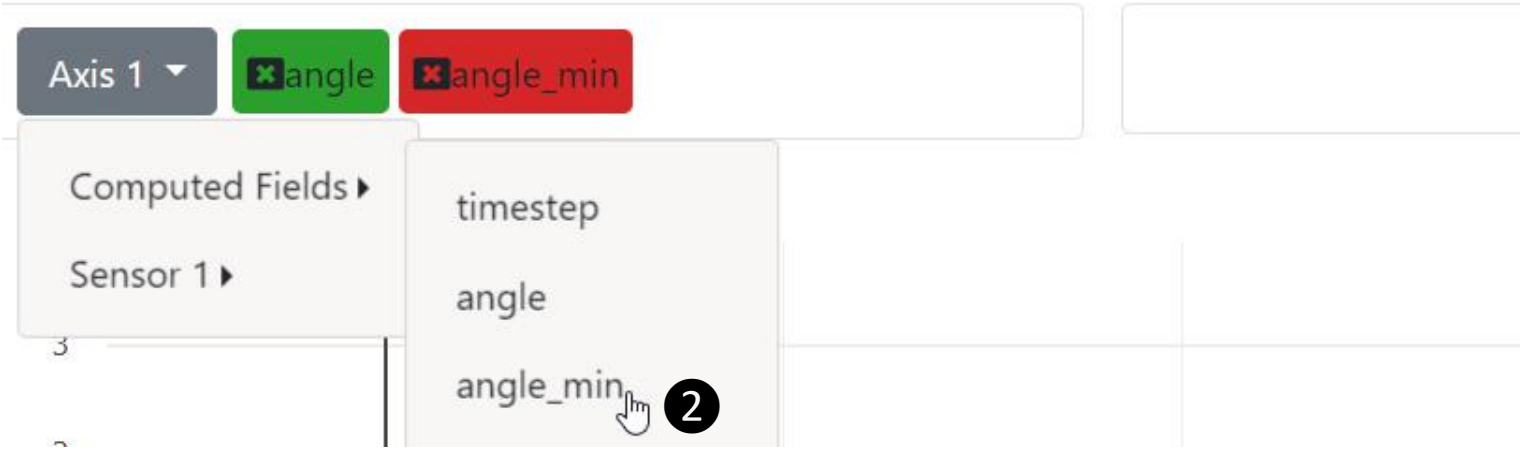
9) Rotate Sensor Node to the Right and Left *(in Orientation Shown Below)*

Note: as the sensor node is rotated to the left and right, observe haptic feedback vibration from the min_feedback node and max_feedback node when the angle limits are exceeded

Angle Feedback Test App *(cont.)*

10) Click Axis 1 > Computed Fields > ❶ angle, ❷ angle_min, ❸ angle_max





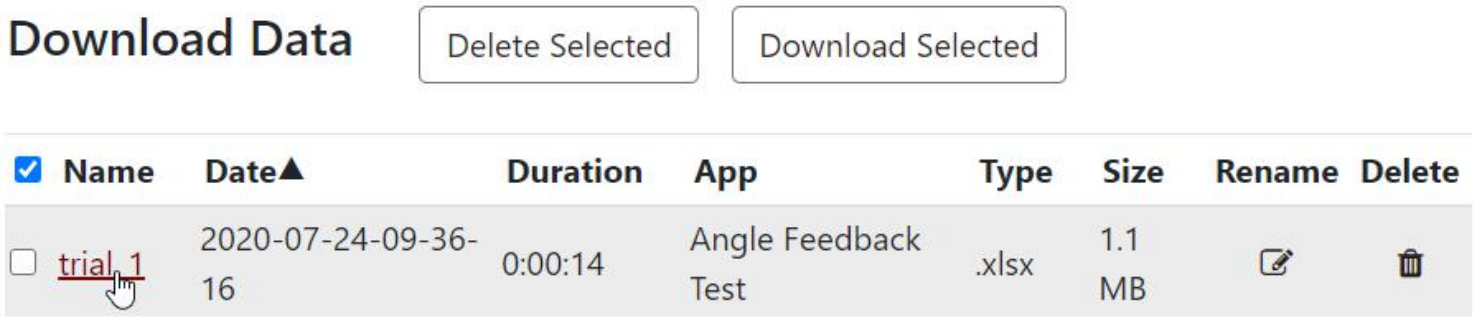
Angle Feedback Test App *(cont.)*

11) Rotate the Node and Observe the Angle Change and Feel the Haptic Vibrations when the angle_min and angle_max Thresholds are Exceeded

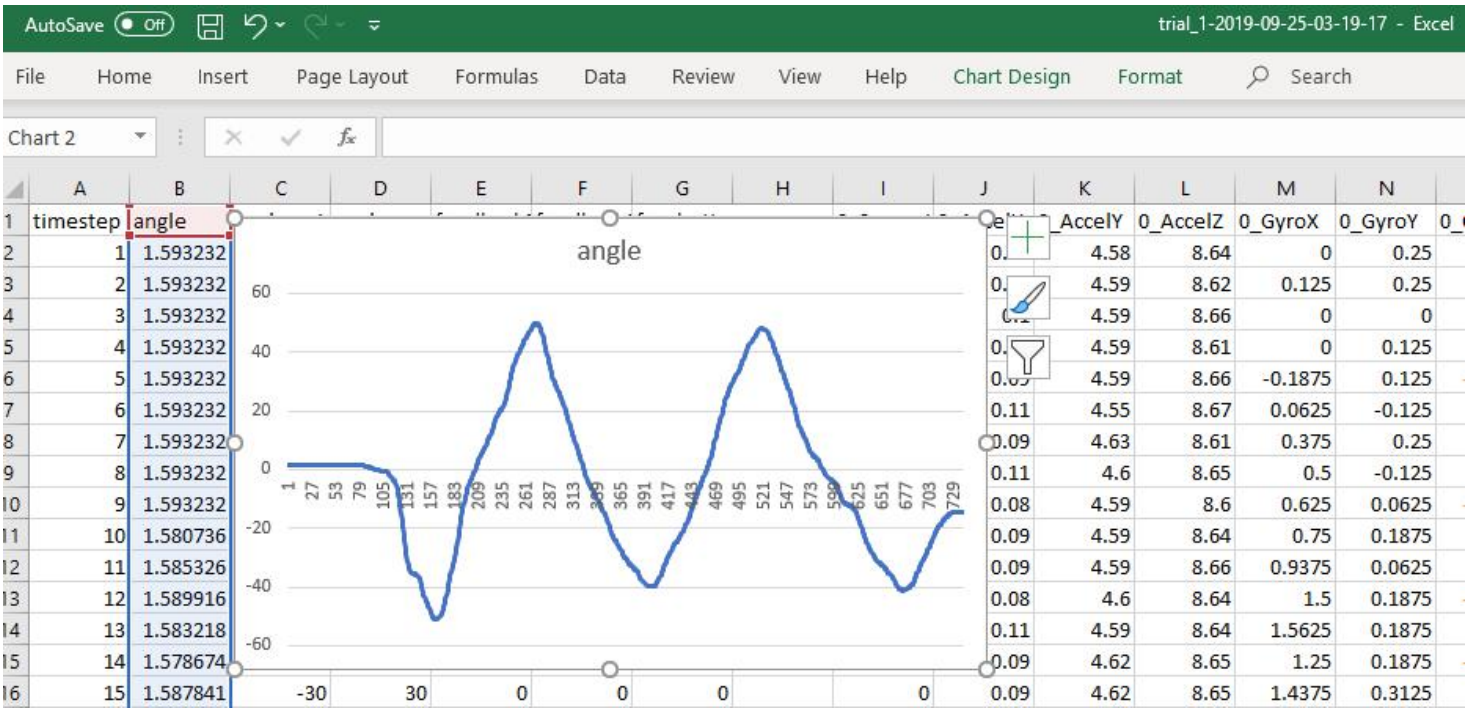
12) When Done, Click “Stop”

Angle Feedback Test App *(cont.)*

13) After Clicking “Stop”, a File from that Trial will Appear under Download Data. Click the File (e.g. trial_1) to Download it to the Computer or Phone.



14) Open the Downloaded File (e.g. in Excel) to View the Data from that Trial



Angle Feedback Test App Finished!