

Annex A:

Setting up the Force sensor and the AirLink

1. Connect the force sensor to the Bluetooth connector as shown in Fig. 4.1

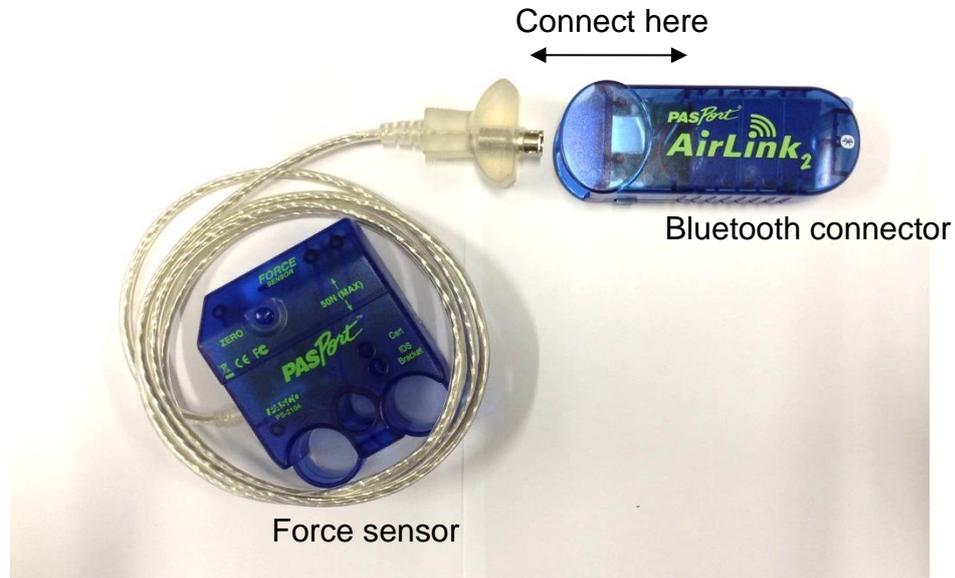


Fig. 4.1

2. Switch on the Bluetooth connector and enable Bluetooth on your iPad and pair the devices. The **on-off** switch is at the side of the connector and **Bluetooth ID** of the device is indicated on its underside. (see Fig. 4.2). Connect your iPad to the correct Bluetooth connector.
3. If the “Sparkvue” app is not already installed on your iPad you will be prompted to install it now. (Or follow the link from www.pasco.com/sparkvue)
4. Attach a hook to the force sensor as shown in Fig. 4.3. This hook allows a string to be attached to the sensor later on.

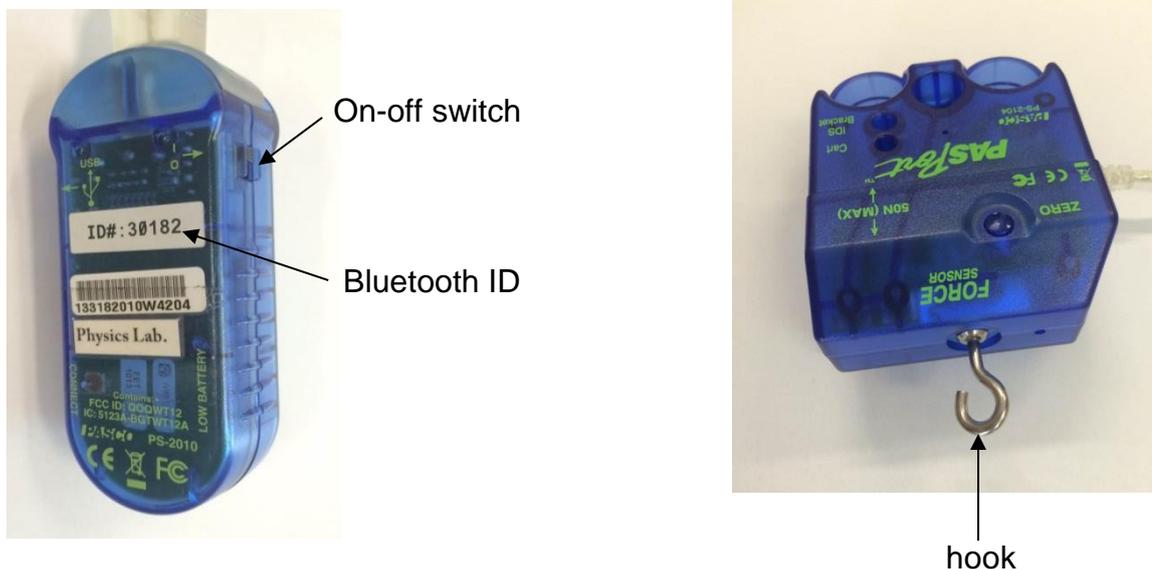


Fig. 4.2

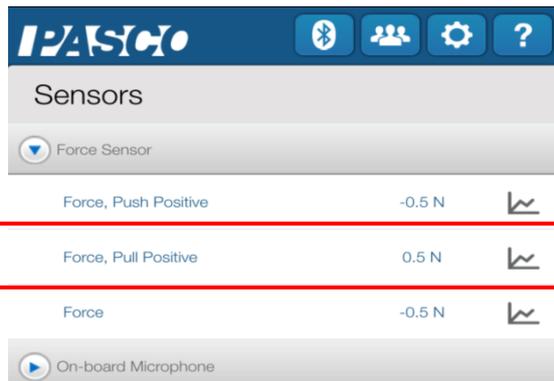


Fig. 4.4

Fig. 4.3

5. Start the Sparkvue app and the app should automatically detect that a force sensor is connected. Select “Force, Pull positive” as shown in Fig. 4.4.

6. Select the digital display shown in Fig. 4.5. Push the “zero” button on the force sensor to zero it before use. (Ensure there is no load on the hook when you are pressing this.)

7. Press the play button at the bottom left corner to start recording the data.
8. If the data is not to a precision of 0.01 N, then under **settings >> Data Properties** set **Digits** to ‘2’ as shown in Fig. 4.6

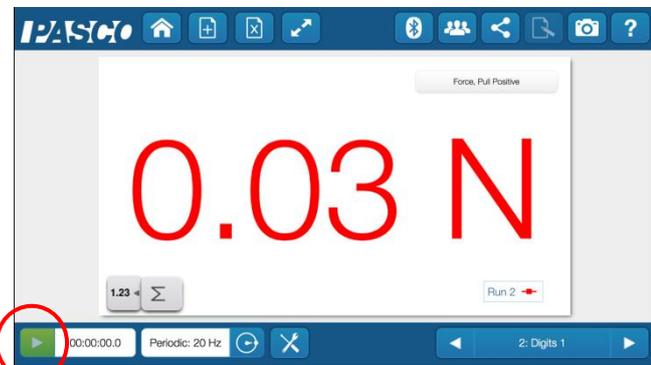


Fig. 4.5

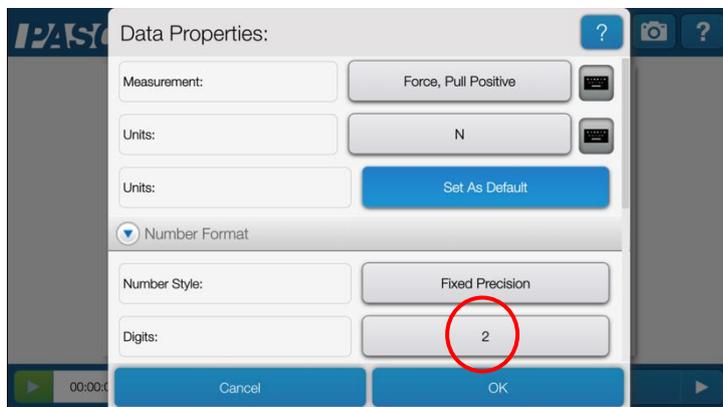


Fig. 4.6

9. Repeat the same set up for the other Bluetooth connector and force sensor with **another iPad.**