Sniff Science Mobile (version 1.0.7)

Recording a new session:
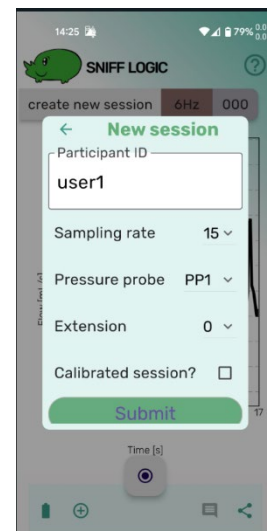
How to setup a Sniff Controller:

The Sniff Science Mobile apps are only compatible with Sniff Controller Air via Bluetooth communication.

First, turn on the device using the switch located on the bottom side.
Make sure the pressure probe is connected.

1. Pair a Sniff Controller with the app by tapping the Bluetooth icon on the bottom left corner.
2. The device selection menu will appear. After a few moments a list of detected devices will appear. If your device is not listed right away, refresh the list by a pull-down action.
3. Select your Sniff Controller device according to its ID.
4. Start a new session.

New Session menu:

1. Enter a participant ID (up to 8 characters, letters and numbers only)
2. Select a sampling rate (Default is 6 Hz)
3. Select a pressure probe from the drop-down menu
   - PP1 – silicone **nasal** pressure probe (nose only)
   - PP2– silicone **oro-nasal** pressure probe (nose and mouth)
   - PP3 – PVC nasal pressure probe
   - fPP1 – filtered version of PP1
   - fPP2– filtered version of PP2
   - fPP3– filtered version of PP3
4. Select the length of the extension for pressure probe (if any) from the drop-down menu
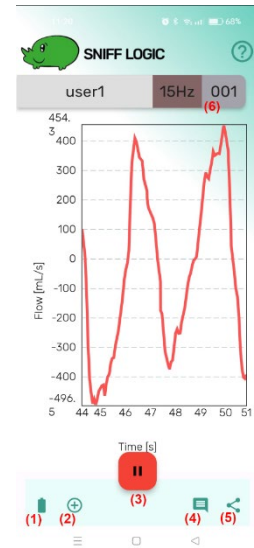5. If you want to go through the calibration process before your session, check this box.

PLEASE REFER TO THE APPENDIX AT THE END OF THIS MANUAL TO LEARN MORE ABOUT THE CALIBRATION PROCESS.

Session recording screen:

Familiarize yourself with the main functions of the session recording screen:

1. Inspect device data
2. Start a new session
3. Start/Pause recording
4. Add a comment
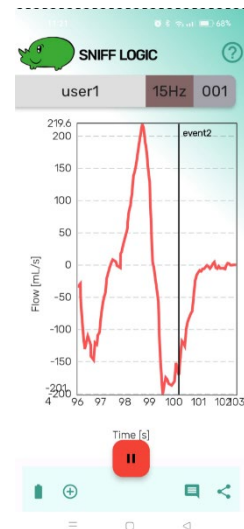5. Share saved data files
6. Session number

Begin recording airflow data:

1. The airflow data will begin to update and accumulate on the screen but IT IS NOT BEING RECORDED YET.
2. To start recording, tap the red REC button at the bottom of the screen. The data trace will turn red, indicating that it is now being saved.
3. To pause recording hit the pause button. When paused and resumed, the session number will change (e.g. 001 to 002 and so on).

4. While the session is being recorded there are several actions you can perform:
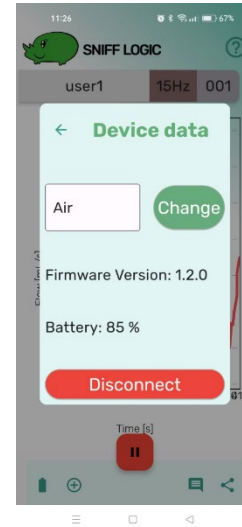
Enter a comment:
Tap the message icon on the bottom right and compose your comment. When tapped enter, this timepoint will be denoted with a vertical black bar a comment. The comment will be logged in the recorded data.

Note: the comment is being logged at the timepoint when it is submitted, not when the comment message menu is called. If you plan to enter a long comment, prepare it in advance.

Inspect device data:
Tap the battery icon on the bottom left (where the Bluetooth icon was before the session was initiated). Device information is displayed: its name, firmware version and battery status. If you wish to disconnect a device in order to pair a different one, tap on 'disconnect' here.

5. To stop recording tap the pause icon. Notice that the color of the data trace will change back to black.

6. Sharing saved data: tap the share icon on the bottom right. Every saved session will appear as a separate CSV file. You may share multiple files together. Sharing routes will depend the options provided by your operating system.