

SniffConnect MOBILE - Software User Manual

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General Notes:

Before first use, make sure the Sniff Controller Air is ready to use. Please refer to the quick-start manual for instructions.

This app is compatible with the Sniff Controller air only, which connects to the device via Bluetooth.

Before first use, make sure the device is fully charged.

Pairing the Sniff Controller Air:

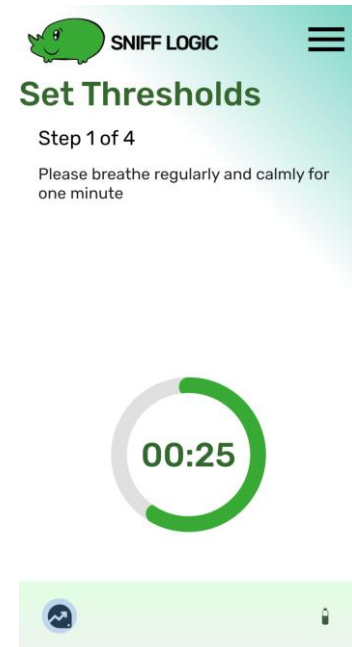
1. Launch the SniffConnect MOBILE app
2. Turn on the Sniff Controller Air by flicking the switch on the bottom to the 'on' position. The LED in the rhino logo should blink blue periodically.
3. The app will scan for a Sniff Controller Air and ask for pairing to the newly discovered device. This process may take a few seconds.
 - a. Note: make sure the device's Bluetooth and location (i.e., GPS) services are enabled.
 - b. Make sure the app has permission to use Bluetooth.
 - c. Make sure that the Sniff Controller Air is 'on' and the LED is flashing blue.



Threshold setting

On first use the user will be directed to the thresholding setup.

1. Follow the instructions on screen: first, normal breathing will be monitored. Next, the software will set thresholds to carry out actions using nasal breathing.
2. If thresholding was not successful, try again or go enter training mode.
3. When thresholding is complete successfully, the user will reach the main menu.
4. Note that the user can later adjust the thresholds manually using the **fine tuning** tool at the bottom menu.



Training:

Follow the instruction on screen until the training session is completed successfully. The training process takes a few minutes.

TIP: It is recommended to view the airflow chart by tapping the graph icon at the bottom left and make sure that the thresholds are defined properly.

SniffConnect MOBILE main menu:

SniffConnect MOBILE is a set of tools for basic communication using nasal airflow.

The user may navigate the three main functions on the main screen using nasal airflow. Alternatively, the user may tap the desired option.



SniffReply:

Sniff to select between two predetermined options such as computer-voice generated "Yes" and "No".

This tool allows the user to read aloud two customizable phrases using inhalation and exhalation (the defaults are 'yes' and 'no', respectively). The selected message will also be highlighted on screen.

Click the settings button to edit the phrases. The user may type a phrase using the keyboard or assign pre-recorded sound files.




SniffPick:

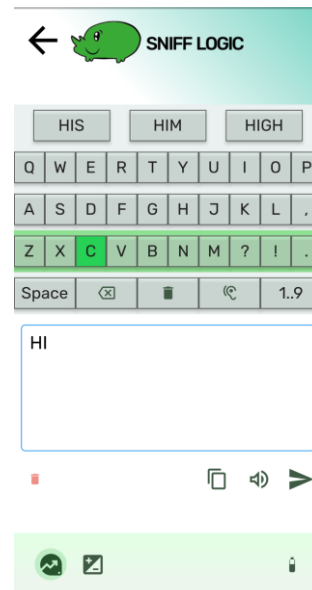
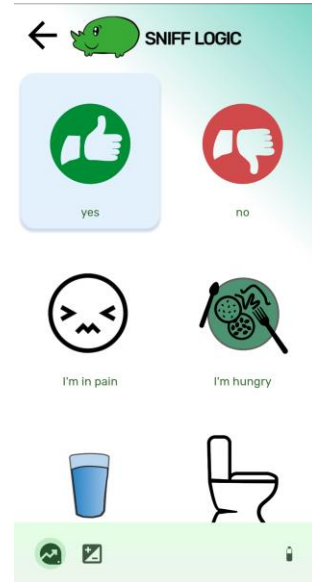
This function allows the user to indicate a variety of customizable short phrases. The phrases will shift automatically (the current option will be highlighted). Use nasal airflow (the default trigger is through inhale) to select a phrase. Upon selection the icon will show on screen and the associated text will be read aloud. The phrase will remain on screen until the user deliberately goes back to the SniffPick screen using nasal airflow (the default exit is through exhale).

To set preferred trigger and exit methods, go to 'advanced settings'.

SniffWrite:

Use nasal airflow to control an on-screen keyboard to write text freely. The keyboard automatically scans rows of keys. Use airflow (the default trigger is through inhale) to stop the scan on a specific row. When a row is selected, the keyboard will scan the characters in that row. After choosing a character the keyboard will resume scanning until stopped again.

When the phrase is complete, select the  icon to read it aloud.



Settings:**Bottom menu:**

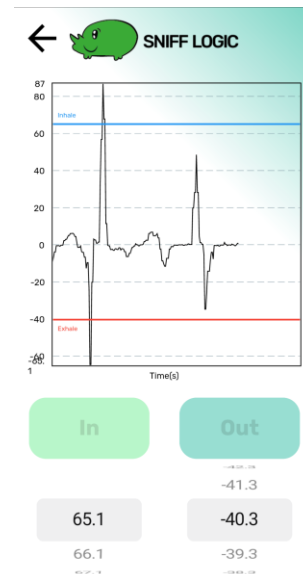
Battery status - tap to display remaining battery (%). When the battery icon turns red, charge the Sniff Controller Air.



Fine tuning - allows threshold adjustment for inhalation and exhalation triggering. Use the dials on the bottom to move the bar to the desired threshold. When done, use the back arrow to save and return to the main menu.

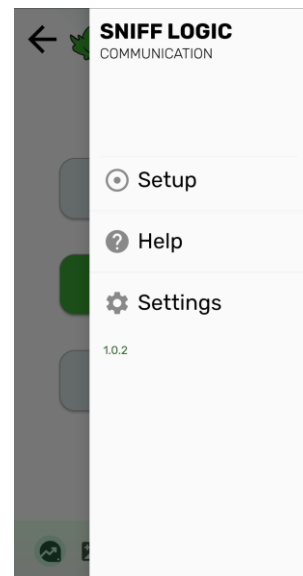


View chart - this button opens a pop-up window which shows a plot of the airflow and thresholds

**Settings menu:**

Setup - go to the setup threshold screen.

Help - displays resources for assistance and information.



Settings preferences:

TTS voice - select the voice and language used to read aloud.

Change images:

Change image order - tap and hold an image to rearrange its location on the grid.

Add image: tap the 'change images' button on the top. Tap the '+' button on the bottom right corner of the screen. Choose an image (the user may also add a custom text phrase). When done tap 'save'. When done adding all images tap 'save' again to return to the main menu.

Delete image: removes an image from the grid

Return to the default image set: reverts to the default image set

Highlight Time - The time (in seconds) for which an option is highlighted when automatically scrolling through images in SniffPick and keyboard keys in SniffWrite. The default setting is 1 second.

Trigger method - Choose the airflow action used to trigger a selection. The user may trigger actions using either inhalation, exhalation or both.

Exit method - Choose the airflow action used to exit (go back to the main image set). The user may trigger actions using either inhalation, exhalation or both.

