

**Sniff Controller User Manual**

This manual includes information on your Sniff Controller device. Please take a few minutes to read this manual including the step-by-step instructions to help you get started.

Read and understand all the safety instructions before using your product.  
If you have any questions about this product or how to use it, visit us at [www.snifflogic.com](http://www.snifflogic.com)

**Sniff Logic Software**

Which software should I download?

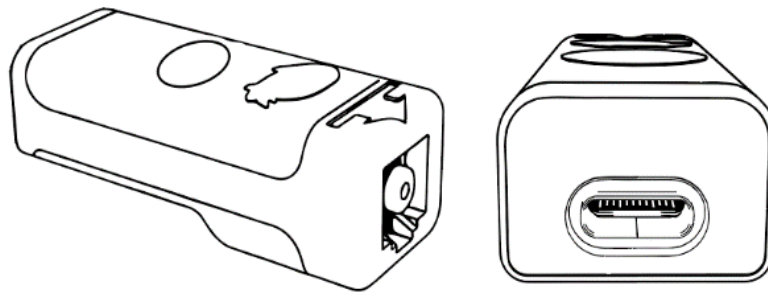
Refer to [www.snifflogic.com/download](http://www.snifflogic.com/download) to download the software

	Mobile	Desktop
For Research	SniffScience Mobile	SniffScience Desktop
For Communication	SniffConnect Mobile	SniffConnect Desktop

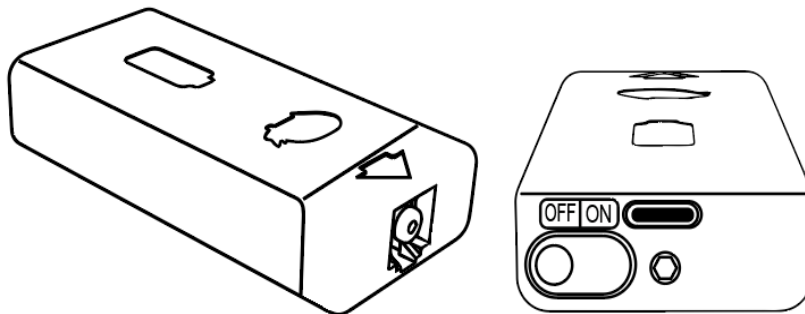
Select your Sniff Controller model:

Which model am I using?

**Sniff Controller  
Basic  
Go to page 2**



**Sniff Controller Air  
Go to page 6**



**Sniff Controller Basic:**

## 1. What's in the box?

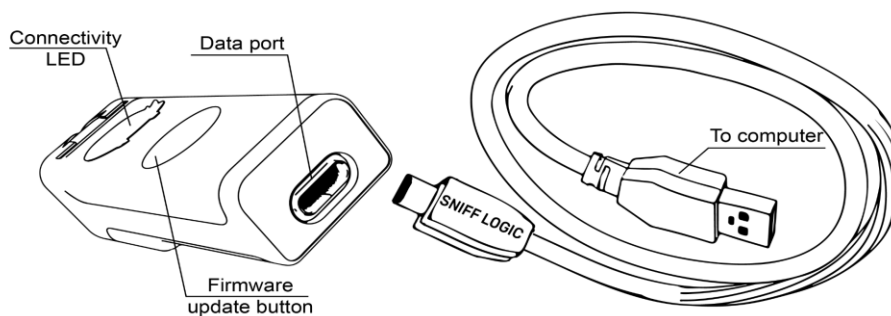
Component	Model	Quantity
Sniff Controller Basic	SCA1	1
Pressure Probe	PP1	2
USB cable		1
Pressure probe extension	PPE1	1
Carrying bag		1

**Overview:**

The Sniff Controller Basic converts nasal airflow to electrical signals through a pressure probe placed at the nostrils. The Sniff Controller Basic is powered and controlled via its USB connection to its host device (laptop/desktop computer running Windows/macOS (compatible versions are: Windows 10 and later or macOS 13 or later)).

Note: The Sniff Controller Basic is not compatible with mobile devices.

1. Download software for your intended use (see page 1)
2. Setting up your Sniff Controller Basic:
  - a. Remove both the pressure port dust cover and data port dust cover (use them for long-term storage).
  - b. Connect the USB cable to the Sniff Controller Basic's USB data port (USB-C connection) located on the bottom side of the device. Next, connect the USB cable to its host computer (USB-A connection).



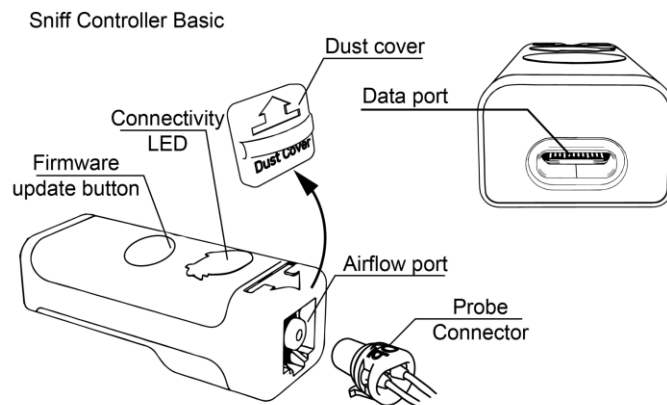
The connectivity LED embedded in the rhino logo should flash red and immediately turn green.

c. Wearing the pressure probe:

Please refer to the short video clip in the QR code for instructions (the video is also available at: [www.snifflogic.com/videos](http://www.snifflogic.com/videos)).

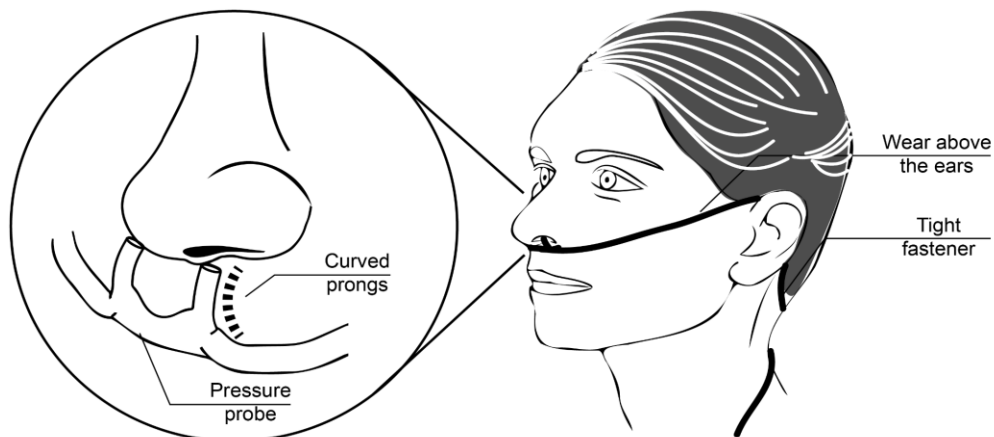


- Open the pressure probe bag.
- While pressing the clip on the pressure probe connector, firmly attach the pressure probe to the Sniff Controller Basic's airflow port such that the 'TOP' marking is facing the arrow on the Sniff Controller Basic device.



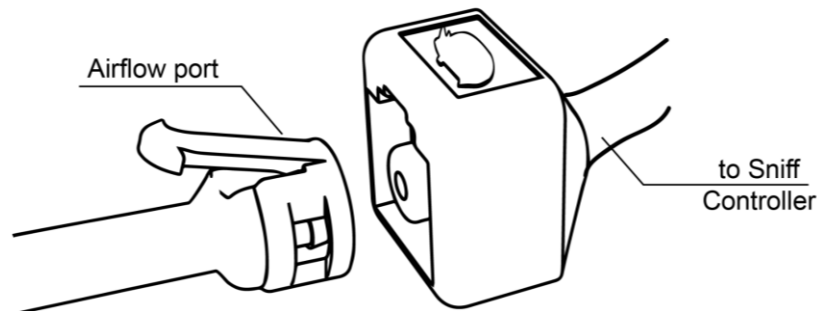
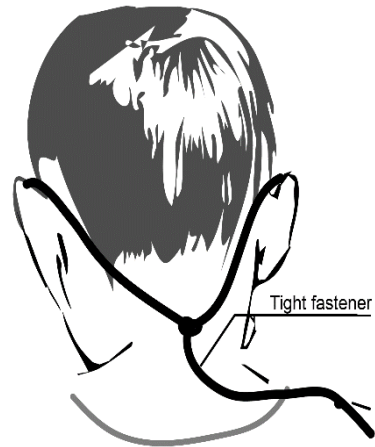
- i. Loosen the fastener to widen the pressure probe.
- ii. Hold the pressure probe such that the nosepiece is facing.
- iii. Place the nosepiece under the nose, as close as possible to the nostrils. Note that the prongs are curved to fit the shape of the nostrils.

Pressure Probe



## 4

- iv. Still holding the nose piece, move your fingers along the tubes to place both sides of the tubes above your ears, the same way you would wear glasses. The tubes should then extend behind the ears to the back of the head.
- v. Use both hands to tighten the fastener behind the head: One hand should draw the probe tube back while the other hand will move the fastener closer to the head.
- vi. Optional: for extra tube length, you may attach the pressure probe extension cord between the pressure probe and the Sniff Controller as follows



3. LED behavior:  
When powered via USB-C, the LED embedded in the rhino logo will flash red and then turn constant blue.
4. Specifications:
  - Product name: Sniff Controller Basic
  - Model: SCB1
  - Dimensions: 55 X 18 X 21mm
  - Weight: 20.3gr
  - Input Ratings: external power 5Vdc 15W Max
  - Operating temperature: 0°C (32°F) – 40°C (104°F)
  - Connectivity: standard USB-C type cable
  - USB cable length: 2 Meter

### 5. Safety:

#### Sniff Controller:

- The Sniff Controller Basic is not a medical device and is not designed or intended to be used for monitoring, diagnosis or treatment of any disease.
- Keep the device out of reach of children and pets.
- Dispose of the device properly according to local regulations.
- If you experience any discomfort or irritation while using the device, stop using it immediately.
- Do not attempt to disassemble or repair the device.
- The Sniff Controller Basic is not water-proof.

#### Pressure probe:

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- The pressure probe is not a medical nasal cannula.
- The pressure probe is not intended for the delivery of gasses.
- No unsupervised use under the age of 14 - risk of strangulation.
- For individual use only, do not share.

## 6. Troubleshooting:

If you have problems using this product, check the following points before you contact us:

- No power (the LED is not working):  
Make sure that the USB cable is firmly connected on both ends. If needed, disconnect and try again.
- I connected the Sniff Controller Basic to my mobile device using a USB-C connection, but nothing happened:  
The Sniff Controller does not work with mobile devices (even though the LED may turn on).
- Do I need to charge the Sniff Controller Basic?  
No. The Sniff Controller has no battery. It is powered by its host computer.

## 7. Maintenance:

- How can I clean my Pressure Probe?  
If you have access to pressurized air or oxygen, you can place your pressure probe in boiling water, and then dry it thoroughly by blowing air or oxygen through it for several minutes. If you do not have access to pressurized air or oxygen, do not place your pressure probe in water, as it will be very hard to dry it afterwards. Instead, use an alcohol swab to clean the nasal prongs, and then let dry. Always store your pressure probes in a clean and dry place, and not in a plastic bag.
- My clear pressure probe turned yellowish, is that normal?  
Yes, clear medical-grade silicone can obtain a yellowish tint when left in the sun. This is not a cause for concern

**Sniff Controller Air:**

## 1. What's in the box?

Component	Model	Quantity
Sniff Controller Air	SCA1	1
Pressure Probe	PP1	2
USB cable		1
Pressure probe extension	PPE1	1
Carrying bag		1

## 2. Overview:

The Sniff Controller Air converts nasal airflow to electrical signals through a pressure probe placed at the nostrils. The Sniff Controller Air is battery-powered and transmits data wirelessly via Bluetooth to a paired device (Mobile devices: Android version 12 or later, iOS 16 or later. Laptops/desktops running Windows 10 and later and macOS 13 or later).

3. Download software/app for your intended use (**see page 1**).

## 4. Charging your Sniff Controller Air:

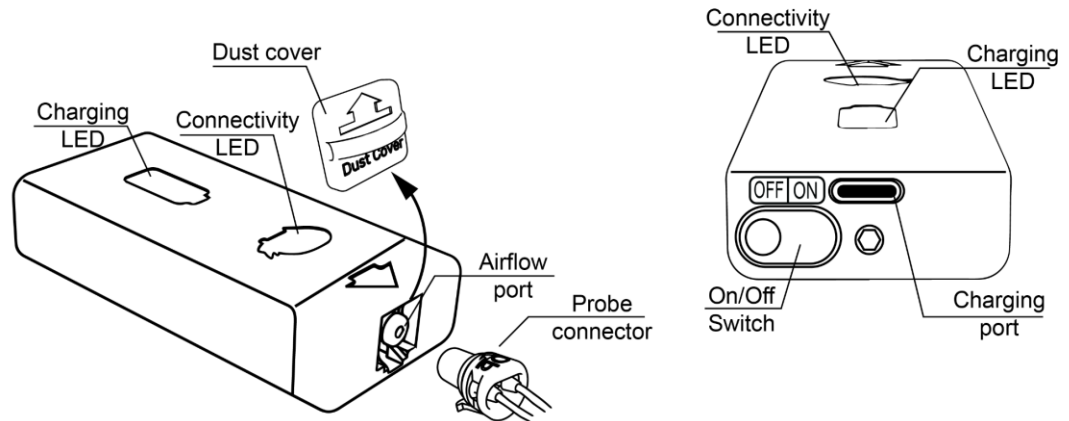
Before first use, we recommend fully charging the Sniff Controller Air.

- a. Connect the supplied USB-C cable to the charging port on the bottom of the Sniff Controller Air.
- b. Use any standard 5Vdc 15W Max certified USB charger to charge your Sniff Controller Air. You may also charge the Sniff Controller Air using a computer's USB type A port.
- c. During charging, the charging LED will turn red.
- d. Once charging is complete, the charging LED will turn blue.

## 5. Setting up your Sniff Controller Air:

- a. Remove the pressure port dust cover (use it for long-term storage)
- b. Turn on the Sniff Controller Air by flicking the switch located on the bottom of the device. When turned on, the connectivity LED will flash blue.

Sniff Controller Air



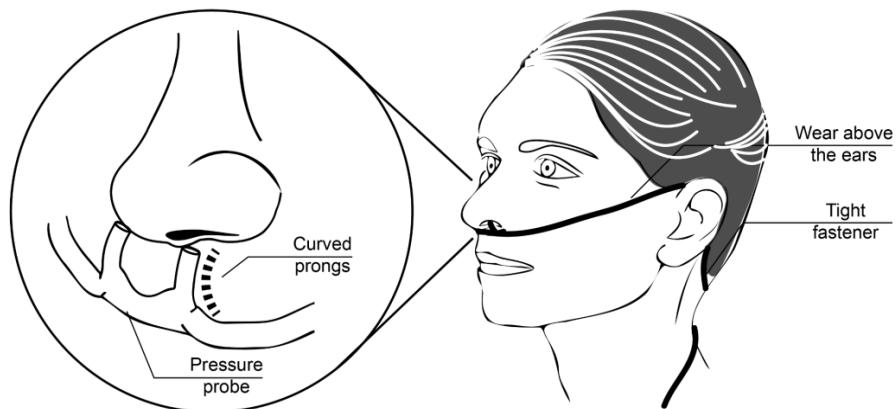
c. Wearing the pressure probe:

Please refer to the short video clip in the QR code for instructions (the video is also at: <https://www.snifflogic.com/videos>).



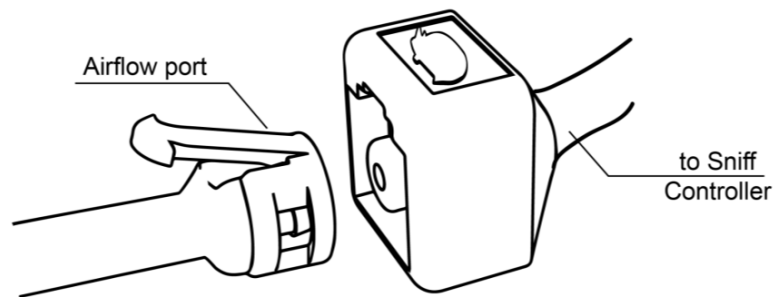
- i. Open the pressure probe bag.
- ii. While pressing the clip on the pressure probe connector, firmly attach the pressure probe to the Sniff Controller Air's airflow port such that the 'TOP' marking is facing the arrow on the Sniff Controller Air device.
- iii. Loosen the fastener to widen the pressure probe.
- iv. Hold the pressure probe such that the nosepiece is facing. Place the nosepiece under the nose, as close as possible to the nostrils. Note that the prongs are curved to fit the shape of the nostrils.

Pressure Probe



- v. Still holding the nose piece, move your fingers along the tubes to place both sides of the tubes above the ears, the same way you would wear glasses. The tubes should then extend behind the ears to the back of the head.
- vi. Use both hands to tighten the fastener behind the head: One hand should draw the tube back while the other hand will move the fastener closer to the head.

Optional: for extra tube length, you may attach the pressure probe extension cord between the pressure probe and the Sniff Controller as follows:



## 5. LED behavior:

### Connectivity LED:

Flashing Blue: device is turned on but not paired.

Constant Blue: device is turned and paired.

Note: the Sniff Controller Air needs to be paired with a mobile device within 3 minutes from the time it is switched on. Otherwise, please turn it off and on again before trying to pair again.

### Charging LED:

Red: device is charging.

Blue: device is fully charged.

## 6. Specifications:

- Product name: Sniff Controller Air
- Model: SCA1
- Dimensions: 37.2 X 17.5 X 77.8mm
- Weight: 57gr
- Batteries: 2X 3.7Vdc/120mAh nominal each. Li-Ion rechargeable batteries.
- Full charging time: approximately 40 minutes.
- Connectivity: Bluetooth
- Operating temperature: 0°C (32°F) – 40°C (104°F)
- Input Ratings: external power 5Vdc 15W Max
- USB cable length: 2 Meter



## 7. Safety:

### General:

-The Sniff Controller Air is not a medical device and is not designed or intended to be used for monitoring, diagnosis or treatment of any disease.

Use only safety approved AC/DC adapter or other DC source which is certified to IEC/EN/UL 62368-1 or IEC/EN/UL 60950-1.

Contains FCC ID: 2AAQS-ISP1807

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions.

- i. This device may not cause harmful interference
- ii. This device must accept any interference received, including interference that may cause undesired operation.

Caution: any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- Keep the device out of reach of children and pets.
- Dispose of the device properly according to local regulations.
- If you experience any discomfort or irritation while using the device, stop using it immediately.
- Do not attempt to disassemble or repair the device.
- The Sniff Controller Air is not water-proof.

### Pressure probe:

- The pressure probe is not a medical nasal cannula.
- The pressure probe is not intended for the delivery of gasses.
- No unsupervised use under the age of 14 - risk of strangulation.
- For individual use only, do not share.

## 8. Troubleshooting:

If you have problems using this product, check the following points before you contact us.

-I connected the Sniff Controller Air to my mobile device using a USB-C connection, but nothing happened:

The Sniff Controller Air can only be paired with mobile devices via Bluetooth (even though the LED may turn on).

-Do I need to charge the Sniff Controller Air?

Yes.

## 9. Maintenance:

-How can I clean my Pressure Probe?

If you have access to pressurized air or oxygen, you can place your pressure probe in boiling water, and then dry it thoroughly by blowing air or oxygen through it for several minutes. If you do not have access to pressurized air or oxygen, do not place your pressure probe in water, as it will be very hard to dry it afterwards. Instead, use an alcohol swab to clean the nasal prongs, and then let dry. Always store your pressure probes in a clean and dry place, and not in a plastic bag.

-My clear pressure probe turned yellowish, is that normal? Yes, clear medical-grade silicone can obtain a yellowish tint when left in the sun. This is not a cause for concern.