SomnoSuite®
Low Flow Anesthesia System
for Mice and Rats

Miguel A. Torres, MVZ, LAT
Laurie Long, LATG
Marcel Perret Gentil, DVM, MS
SOMNOSUITE Quick User’s Guide

For more information visit https://www.kentscientific.com/products/somnosuite/
Or refer to “User’s Guide” SomnoSuite manual

T: 888-572-8887
# Content

<table>
<thead>
<tr>
<th>System Components</th>
<th>Three Most Important Screens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turn ON</td>
<td>Anesthetic Concentration</td>
</tr>
<tr>
<td>First Screen - Body Weight</td>
<td>Induction</td>
</tr>
<tr>
<td>Run Screen</td>
<td>Nose Cone</td>
</tr>
<tr>
<td>Main Menu Screen</td>
<td>Flush</td>
</tr>
<tr>
<td>Main Screen</td>
<td>Air Source</td>
</tr>
<tr>
<td>Setting the Syringe</td>
<td>Turn OFF</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Anesthesia Delivery</td>
<td>Click “Rowdy” to return to this menu</td>
</tr>
<tr>
<td>Type Anesthesia</td>
<td></td>
</tr>
<tr>
<td>Syringe Size</td>
<td></td>
</tr>
<tr>
<td>Prime Syringe</td>
<td></td>
</tr>
<tr>
<td>Remove Syringe</td>
<td></td>
</tr>
</tbody>
</table>
System Components

- SomnoSuite
- Canister
- Induction Chamber
- Exhaust (expiration)
- Anesthesia Delivery (inspiration)
- Pad Temperature
- Face Mask
- Pulse
- Mouse Temperature
System Components

Black: Anesthetic Expiratory Port
White: Anesthetic Inspiratory Port

Chamber
Nose Cone
Intubation

Clamps - Open or Close hoses
#1 Push B button to turn on

- Or just plug the SomnoSuite to the outlet
**First Screen**

In the first screen, change the Animal weight

- **Body Weight**
  - **#1 Button B:**
    - Turn **Clockwise** to increase the body weight
    - Turn **Counterclockwise** to decrease the body weight
- **General Parameters**
  - Or Press **A** to go to “Run Screen”
  - #2 After setting the weight...
  - Press **B**: To return to “Main Menu”
#1 Go to Main Menu

Final body weight

#3 Push Button A to “Run Screen”

#2 Turn **B** button to change body weight

- Turn **Clockwise** to increase the body weight
- Turn **Counterclockwise** to decrease the body weight
Run Screen

Or in the Run Screen...

#1 Body Weight

#2
- Turn B Clockwise to increase the body weight
- Turn B Counterclockwise to decrease the body weight
After the weight is set you can go to one of these screens
#1 Go to Main Screen

#2 General Setup

#3 Main Menu

Main Menu

- BACK
- Profiles
- Data Mgmt
- Config
- Right Temp Setup
- Main Menu
- Help
- Mouse Stat Setup
- CapnoScan Setup

Main Menu

- Body wgt
- Air control
- Anesthesia
- Modules
- Data mgmt
- Config
- Power off
- Help

Set body weight
Insp Press: 15cmH2O
30g
Nominal HR: 133bpm
Nominal Tidal Vol: 0.200mL
Nominal Minute Vol: 256mL/min
Turn Dial B to input animal weight

Hold Dial A for Help
In “Main Menu” you can manipulate all the SomnoSuite functions:

1. Turn A **Clockwise** to go up through the menus
2. Turn A **Counterclockwise** to go down through the menus
3. Press A to return to previous menu/options
   - Or keep pressing A until you return to run screen again
4. Press B to choose the option
5. Turn B Clockwise to increase
6. Turn B Counterclockwise to decrease
#1 Go to Main Screen

#2 Run Screen

Run Screen

- Run Screen
- Power Off
- General Setup
- Help
- Select Ventilator
- Start Induction
- Start Nose Cone
- Body Weight
- Start Flush
- More Vaporizer
- Run Screen is divided in two windows

Anesthesia, Body Weight, Temp...

Heart beat, Pad Temp, Oxiwave...
If you touch the top #1 or the bottom #2 the system will take you to:

#1 Main Screen

#2 Charts
In “Main Screen” you can manipulate all SomnoSuite functions as in “Main Menu”
#1 Go to Main Screen
#2 More Vaporizer
#3 Anesthesia
#4 Adjust these functions

- Main Menu
- Help
- Induction MinVol
- Flush Time
- Air Source
- Nose Cone MinVol
- Zero Sensors
- Back
- Deliv anest
- Remove syringe
- Prime syringe
- Type anest
- Syringe size
Press - Deliver Anesthesia

Turn Button B to Enable or Disable
Press Syringe Size

Turn Button B to 2mL, 5mL or 10mL
Press Type Anesthesia

Turn Button B to Isoflurane or Sevoflurane
Training Courses
LARC
Prime Syringe

#1 Press Prime Syringe

#2 Push B to start

#2 Push B to stop

- Turn Clockwise to increase priming speed
- Turn Counterclockwise to decrease priming speed and stop
#1 Press Remove Syringe

#2 Push B to **start**

#2 Push B to **stop**

- Turn **Clockwise** to speed up syringe removal
- Turn **Counterclockwise** to slow down syringe removal and stop it
Anesthetic Concentration

A.C. Button:
- Turn **Clockwise** to increase the Anesthesia
- Turn **Counterclockwise** to decrease the Anesthesia
Anesthesia Induction

#1 Go to Main Screen

#2 Start Induction

#4 Stop Induction

#4 Go to Main Screen
Nose Cone

1. Go to Main Screen
2. Start Nose Cone
3. Go to Main Screen
4. Stop Nose Cone
Flush

Flushing Anesthetic from the system

#1 Go to Main Screen

#2 Start Flush

#3 Stop Flush
Just in case you need to stop flush.
#1 Go to Main Screen

#2 More Vaporizer

#3 Air Source

Turn Button B to Room Air or External Compressed Oxygen
#1 Go to Main Menu
Touching the top-half of the run screen

#2 Push Power Off

#3 Push B button twice to turn off
SomnoSuite®
Low Flow Anesthesia System for Mice and Rats

Miguel A. Torres, MVZ, LAT
Laurie Long, LATG
Marcel Perret Gentil, DVM, MS
For more reference visit https://www.kentscientific.com/products/somnosuite/
Or refer to “User’s Guide” SomnoSuite manual
T: 888-572-8887