

# GAUMARD VITALS

## USER GUIDE



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# 1. INTRODUCTION

## 1.1 FEATURES

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- Alarm customization and personalization
- Create custom scalar values
- Auto resize waveforms
- Multiple waveform options
- Customizable layout
- Virtual shock and pace with real time feedback
- Generating a virtual 12 lead EKG
- Debrief using the Vital History
- Obstetric vitals

## 1.2 TERMINOLOGY

---

**Scalar:** A numerical value for parameters such as heart rate, respiratory rate, scenario time etc.

**Traces:** Waveforms such ECG II, ABP, CO2 etc.

**Facilitator:** The person conducting the simulation; an instructor or lab staff member

**Provider:** A person participating in the simulation as a healthcare provider

## 1.3 SPECIFICATIONS

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Minimum requirements for software download:

- » Windows 7
- » Intel Core i3
- » 4 GB RAM

## 2. OVERVIEW

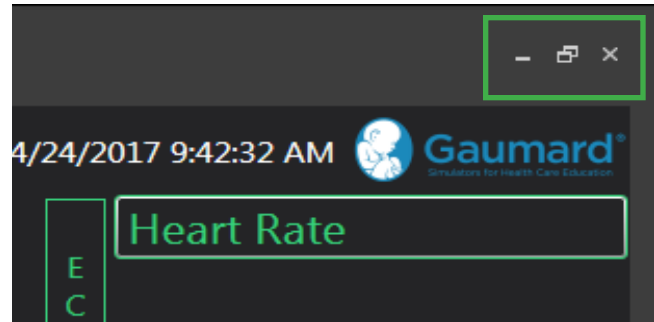


1. Title Bar
2. Main Menu
3. Connectivity Status
4. "Ask for..." Function
5. Active Traces
6. Scalar Parameters
7. Pause/Play vital signs
8. Silence Alarms Simultaneously
9. Zero All
10. Timer
11. Vitals History
12. 12 Lead EKG
13. Virtual Shock

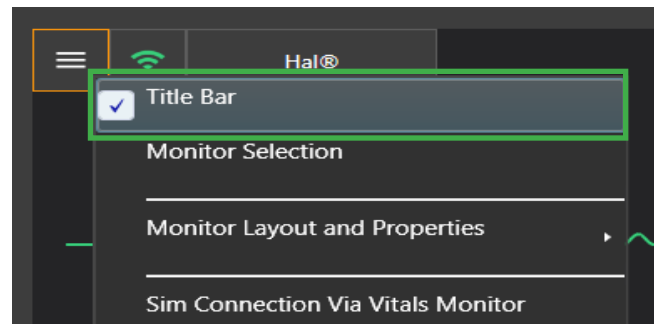
## 3. GENERAL CONTROLS

### 3.1 TITLE BAR

Use the controls in the title bar to minimize, maximize, or close the Gaumard Vitals window.

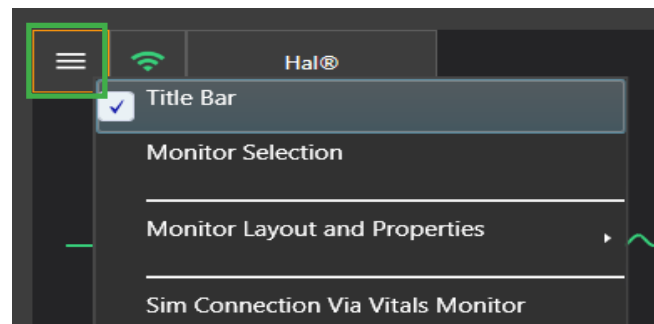


Hide the title bar by selecting the Main Menu and unchecking "Title Bar."



### 3.2 MAIN MENU

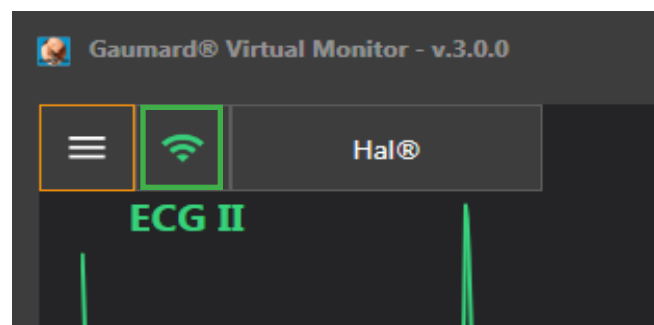
Open the main menu in the upper right corner to access more options such as Layout Properties



### 3.3 CONNECTION STATUS

Select the Connection Status icon to open the connectivity settings.

**NOTE:** Refer to Section 11 "Connectivity" to connect the laptop and monitors.

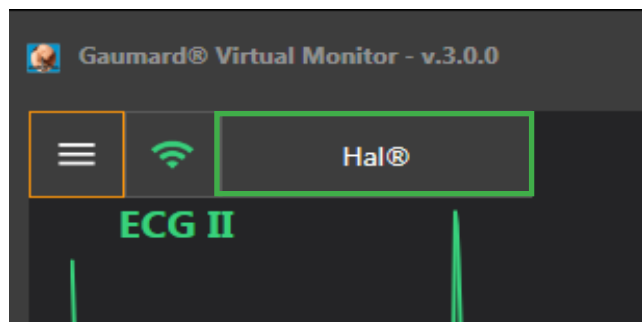




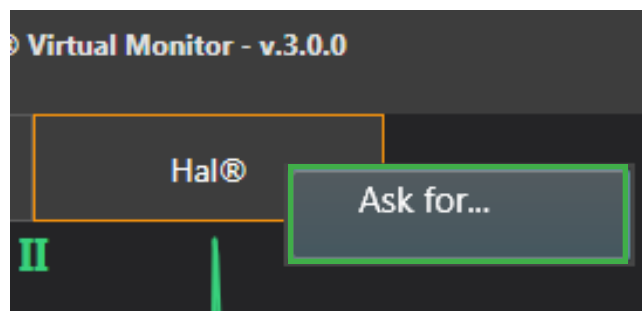
### 3.4 THE "ASK FOR..." FUNCTION

Use the "Ask For" function to communicate with the controlling computer.

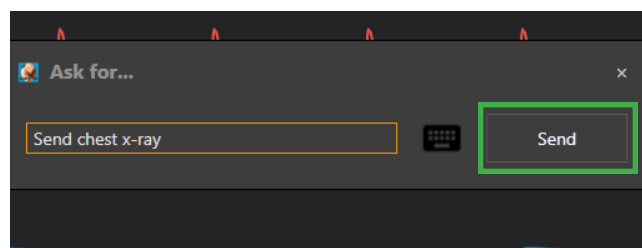
1. Select the Simulator (ie: HAL).



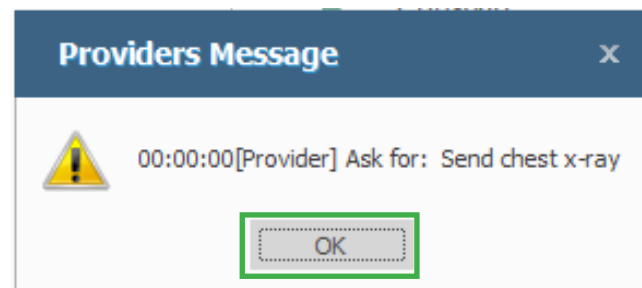
2. Click "Ask for..." and the provider will type in a request to the facilitator's computer.



3. Click "Send."



4. The Provider's message will appear on the UNI screen for the facilitator to respond accordingly.



## 4. SCALAR SETTINGS

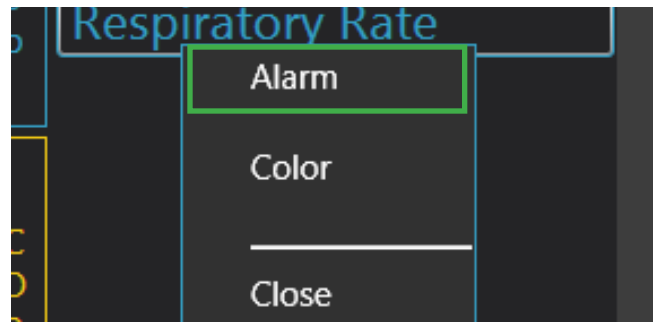
### 4.1 ALARMS

#### Setting an Alarm

1. To set a range for when the alarm will be triggered, select a scalar title.

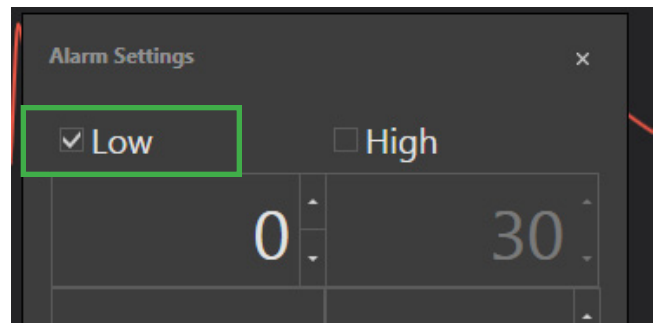


2. Click "Alarm."

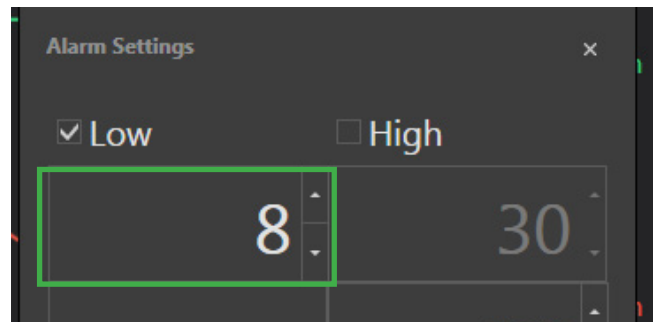


3. To set a lower limit alarm value, check the box "Low."

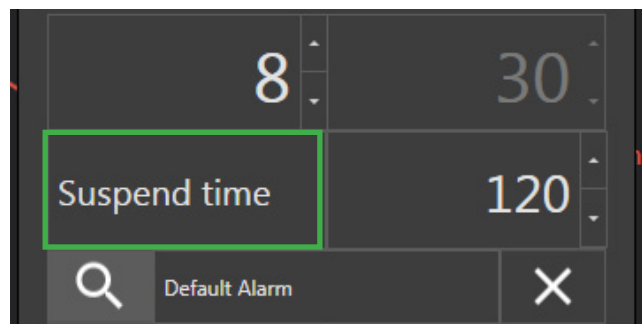
NOTE: To set a higher limit alarm value, check the box "High"



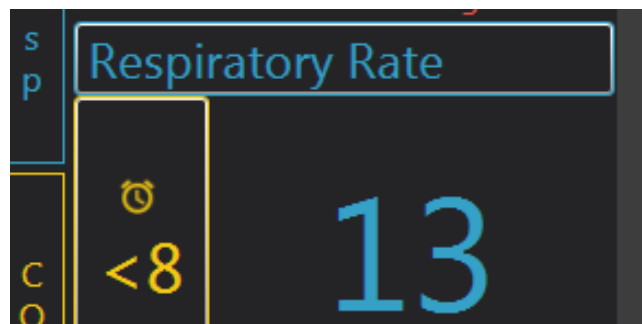
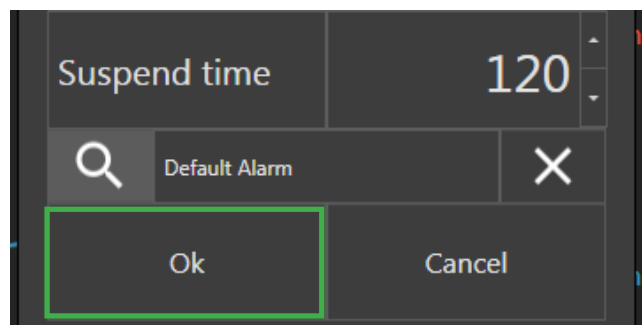
4. Use the arrows or the keyboard to set a lower value.



5. Adjust the "Suspend Time" to change the delay when an alarm is silenced.

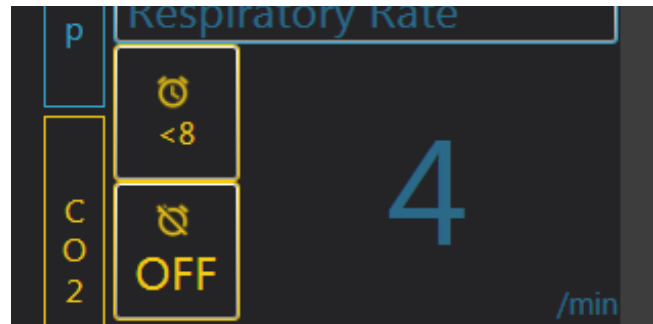


6. Click "OK" to close the Alarm Settings and the alarm trigger will appear.

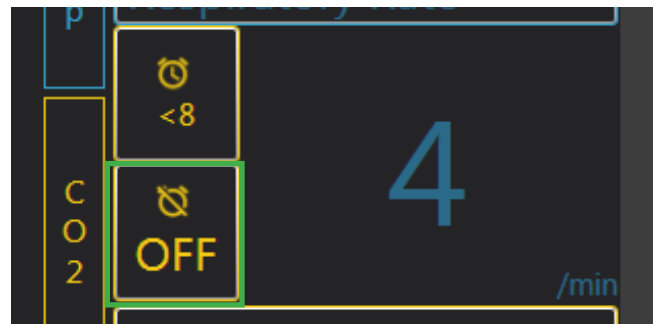


## Silencing an Alarm

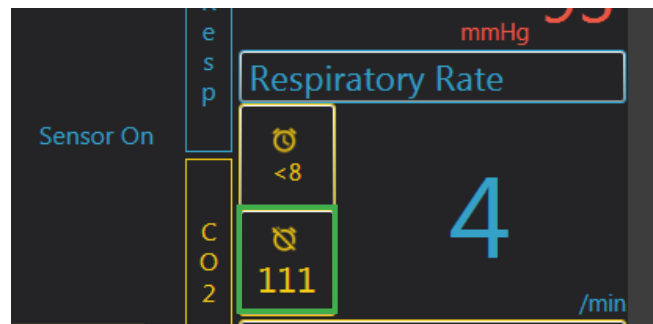
1. When the value of scalar item goes out of the alarm range, the monitor's alarm will sound.



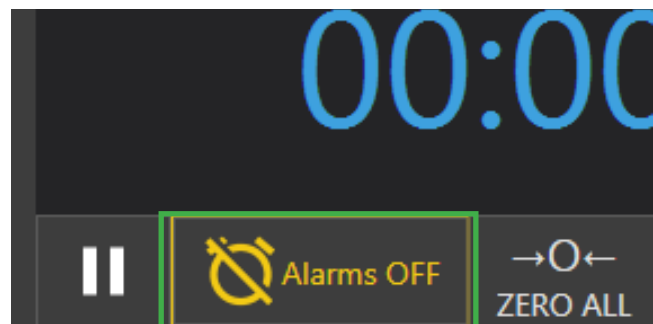
2. Select "OFF" to silence the alarm.



3. The "Suspend Time" will begin to count down.



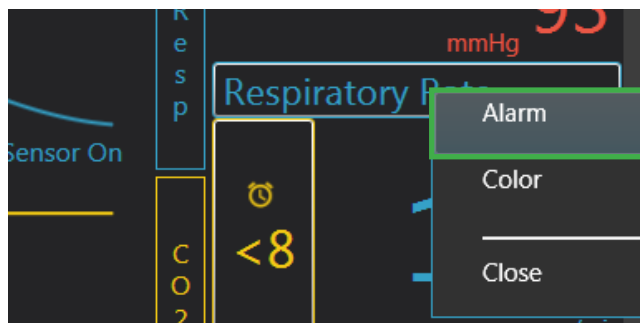
4. You may also silence all alarms simultaneously by pressing "Alarms OFF" on the lower left side.



## Changing the Alarm Sound

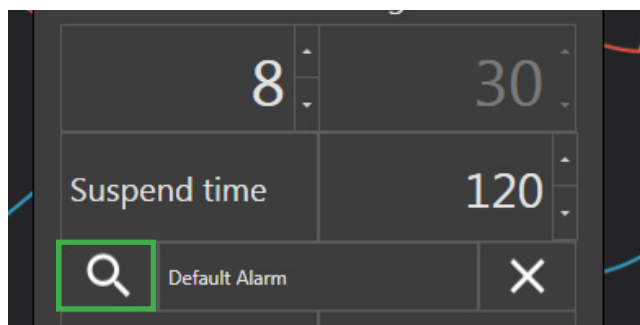
Customize the alarm by uploading a different sound.

1. Open the alarm settings by clicking the scalar title and then selecting "Alarm."



2. Select the search icon, and search the computer for the new alarm sound file. Then, click "Open".

**NOTE:** The alarm file must be a WAV File.

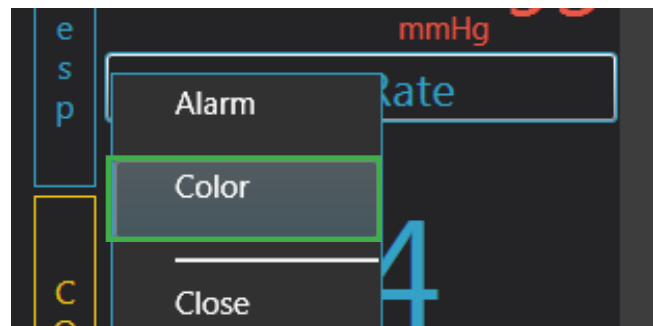


## 4.2 PERSONALIZATION

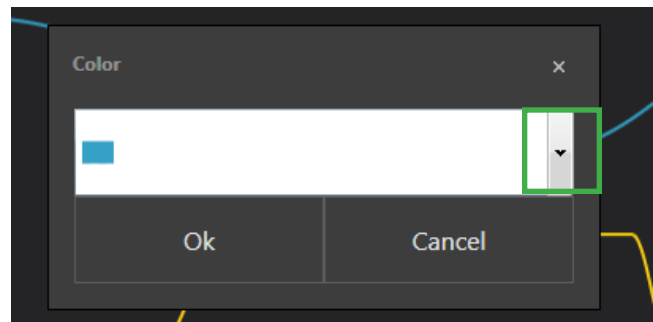
1. Select a scalar title.



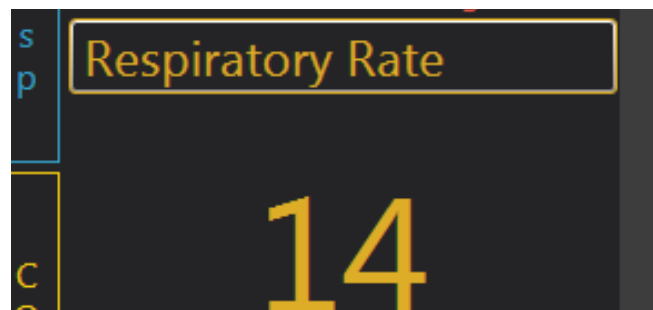
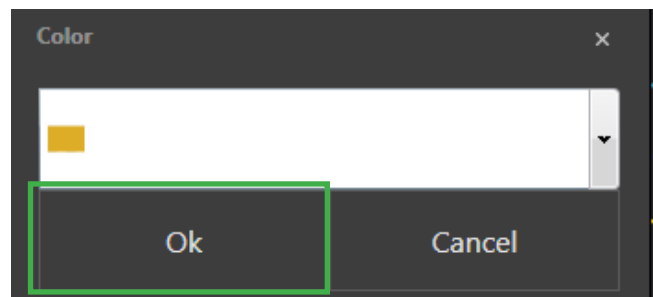
2. Click "Color" and the color settings will appear.



3. Select the arrow to open the color options, and choose a color from the selection.



4. Click "OK" in the color settings to apply the changes.

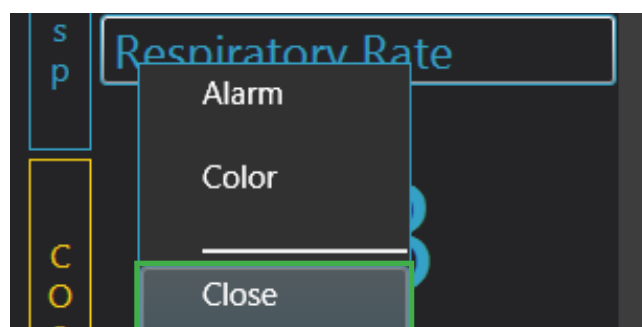


## 4.3 REMOVE THE PARAMETER

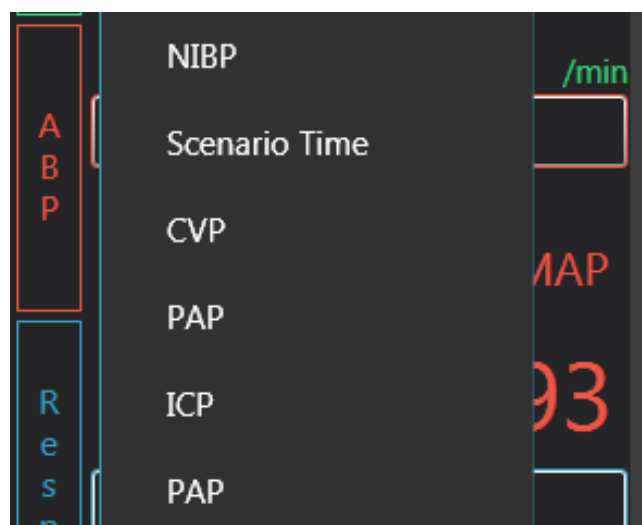
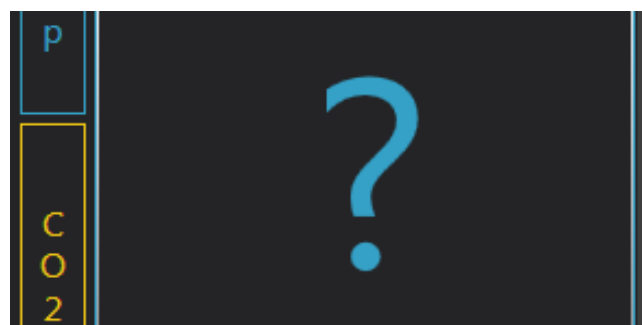
1. Select the scalar title.



2. Click "Close."



3. To open another scalar value, select the closed scalar box and choose the scalar title.



## 4.4 NIBP

There are additional options found in the NIBP parameter. Click the parameter title to open the options.

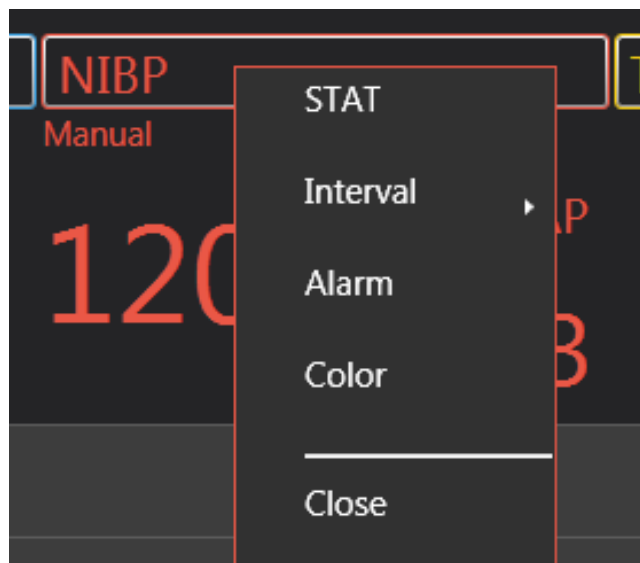
**STAT:** Takes immediate reading

**Interval:** Sets frequency to take a reading

**Alarm:** Sets alarm for high and low numbers

**Color:** Changes the color of NIBP

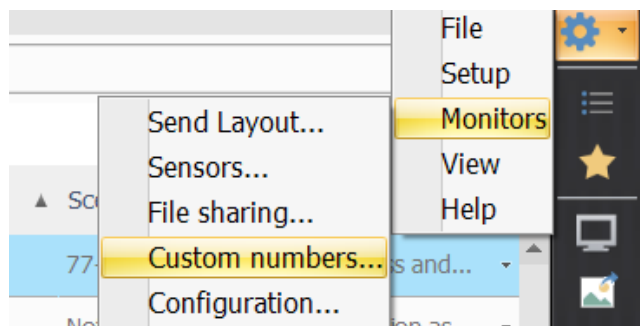
**Close:** Close NIBP



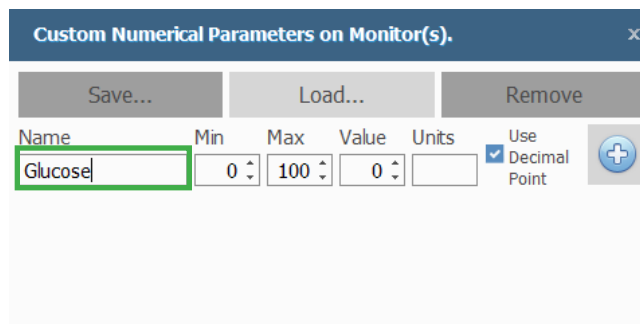
## 4.5 CUSTOM NUMBERS

This feature gives you the ability to create numeric parameters to the Virtual Monitor.

1. In the UNI software, click the Menu icon.  
Then click Monitors, and Custom Numbers.  
The Custom Numerical Parameters on Monitor(s) page will open.



2. Enter a name for the custom number.





3. Set a Minimum and Max Value.

Name	Min	Max	Value	Units	Use Decimal Point	
Glucose	60	150	60		<input checked="" type="checkbox"/>	+

4. Change the Value using the up/down arrows or the keyboard.

Name	Min	Max	Value	Units	Use Decimal Point	
Glucose	60	150	80		<input checked="" type="checkbox"/>	+

5. Specify the units and click "Add."

Name	Min	Max	Value	Units	Use Decimal Point	
Glucose	60	150	80	mg/dL	<input checked="" type="checkbox"/>	+

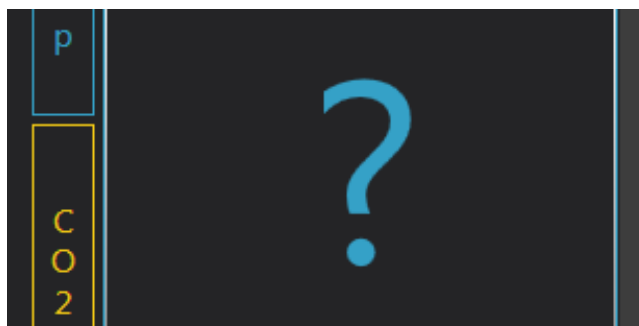
6. The number will appear as previously named and with the set values.

Name	Min	Max	Value	Units	Use Decimal Point	
	0	100	80	mg/dL	<input checked="" type="checkbox"/>	+

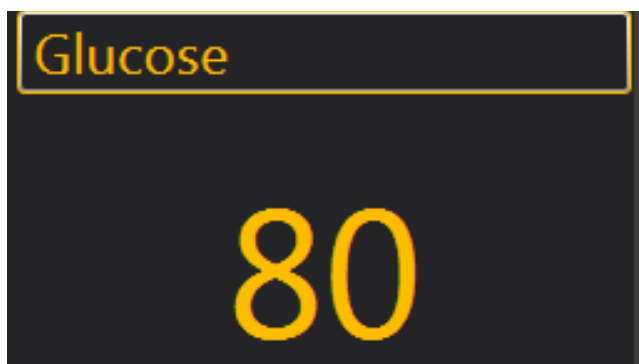
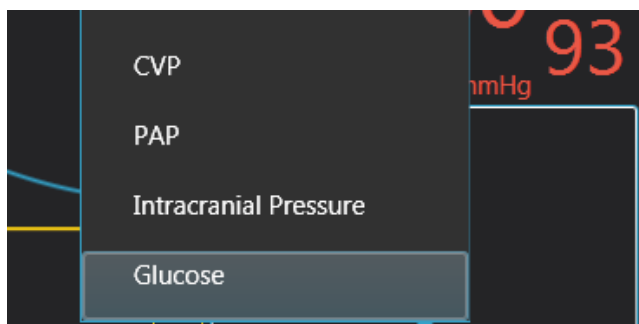
  

CUSTOM NUMBER	
Glucose	80 mg/dL

7. To input the new Custom Number, close a scalar parameter in the Gaumard Vitals software.

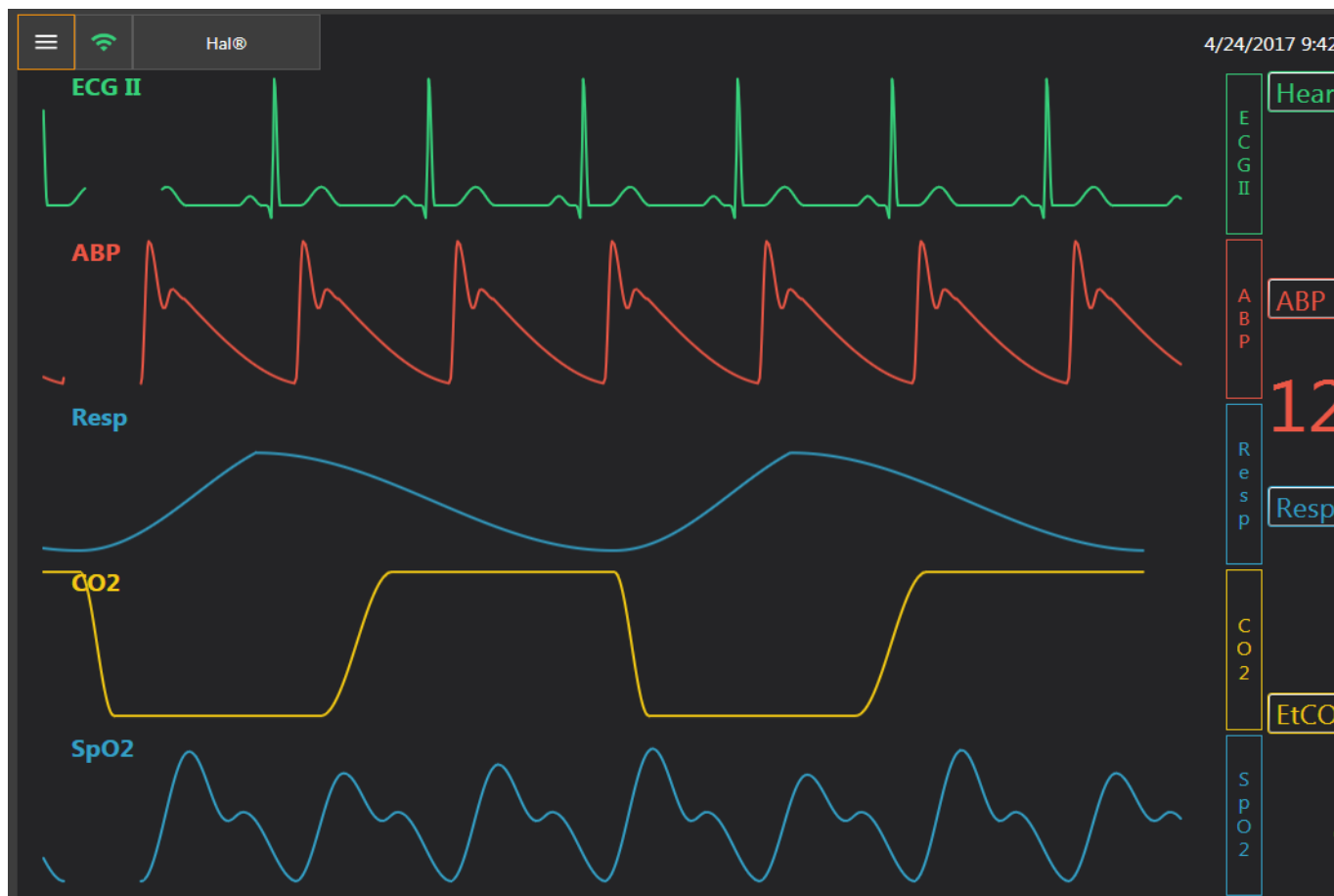


8. Open the options and select the customized number.



## 5. ACTIVE TRACE SETTINGS

The active traces are waveforms that are dependent on the scalar parameters.

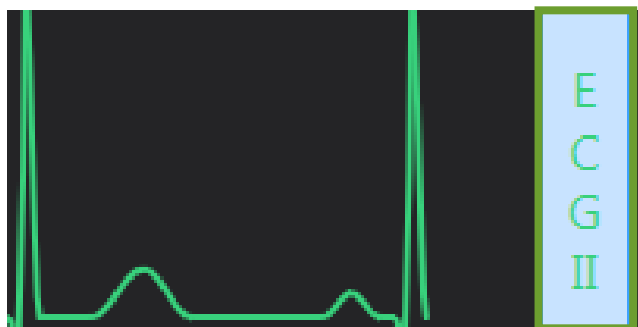


The traces available are as follows:

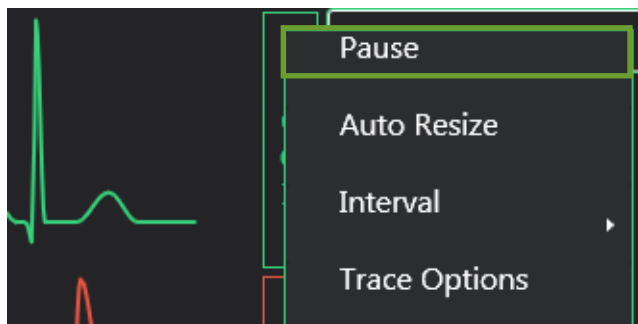
- ECG: ECG I, ECG II, ECG III, aVR, aVL, aVF, ECG V1, ECG V2, ECG V3, ECG V4, ECG V5, and ECG V6
- BP: ABP, CVP, and PAP
- Resp
- CO2
- SpO2
- Intracranial Pressure

## 5.1 PAUSE

1. To freeze or pause the trace, open the settings by clicking on the waveform title.



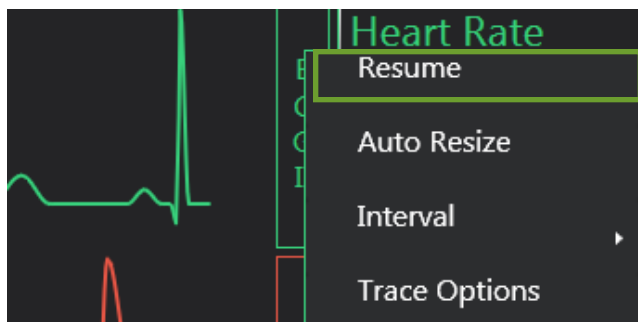
2. Select "Pause."



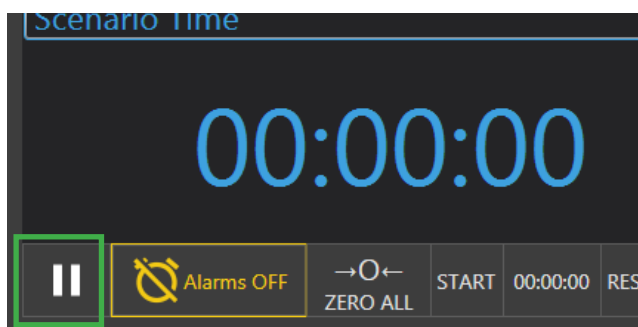
3. The trace will pause at the moment that "Pause" is selected. The other traces will continue to update.



4. To resume the trace, click on the title and press "Resume."

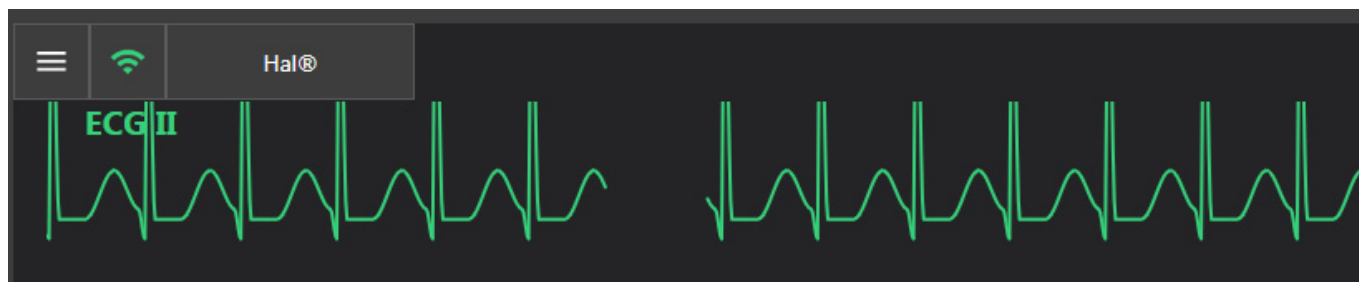


5. You may also pause all the traces and scalar parameters at once by pressing the pause button on the lower left side of the screen.

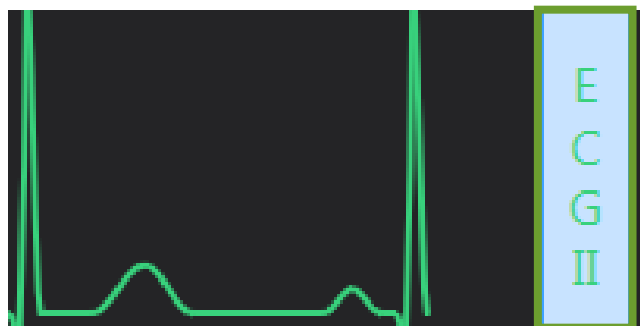


## 5.2 AUTO RESIZE

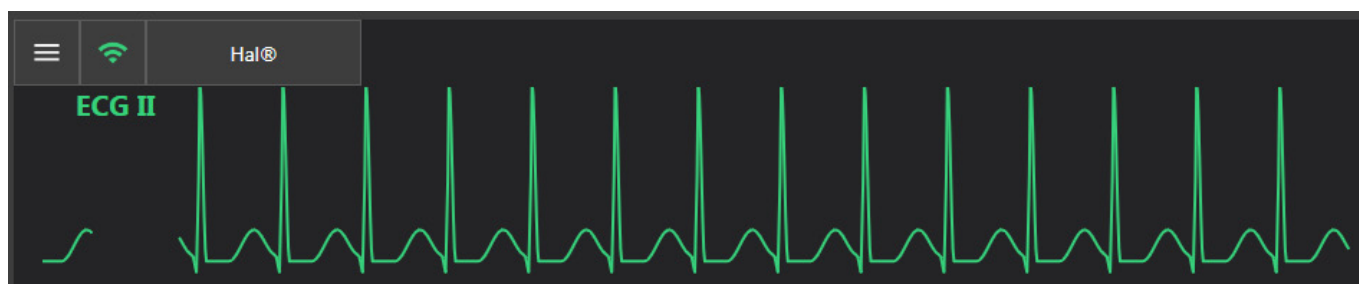
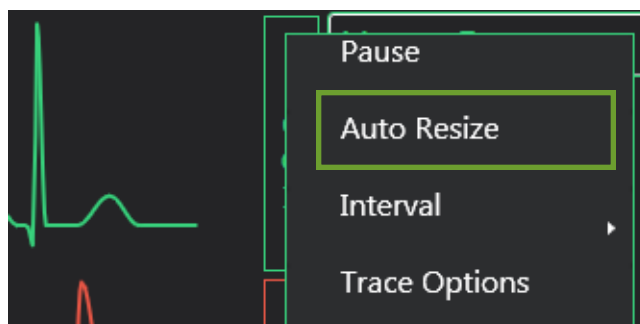
In some cases, it may be necessary to resize the traces after changing the rhythm. The example below is supraventricular tachycardia.



1. Open the settings by clicking on the waveform title.

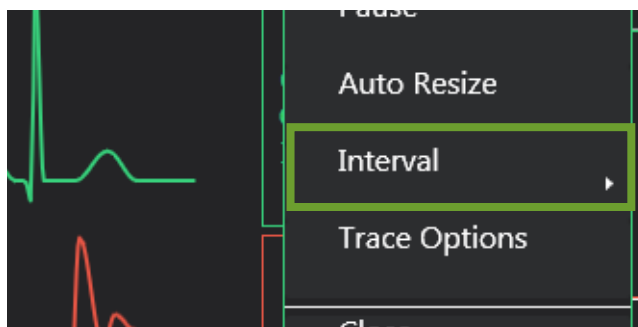


2. Select "Auto Resize." The size of the waveform will adjust to fit



## 5.3 INTERVAL

To change the interval of the trace, click on the trace title and select "Interval."



Interval Options:

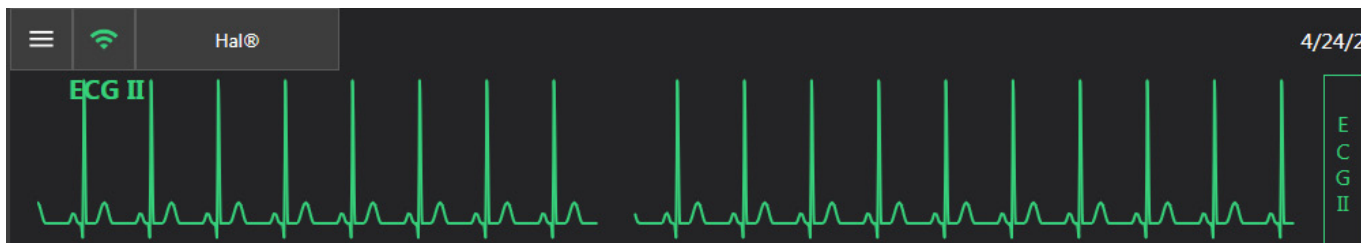
**6 seconds**



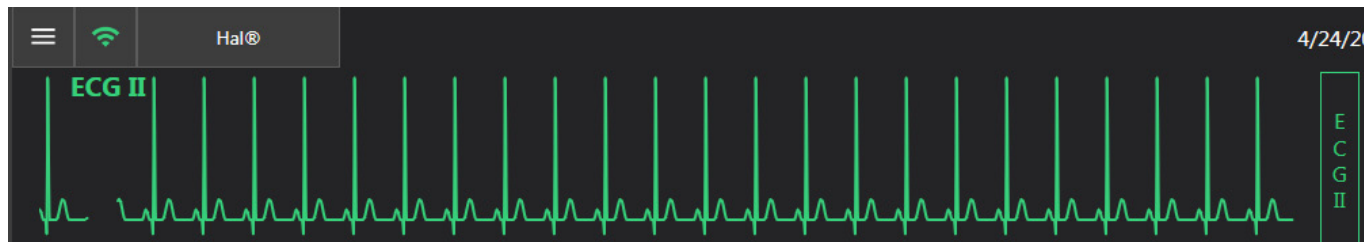
**10 seconds**



**15 seconds**



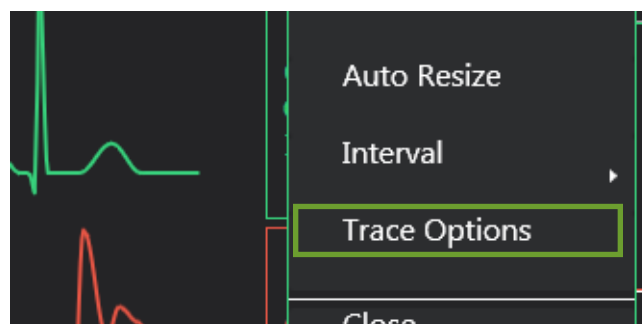
20 seconds



NOTE: When adjusting the interval of the ECG, the ABP, and SpO2 automatically change as well. Since the respiratory rate and CO2 interrelate, changing one will change the other.

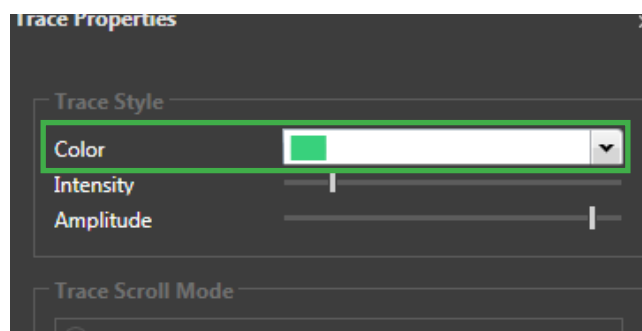
## 5.4 TRACE OPTIONS

Select the trace and open "Trace Options" to further customize the waveform.

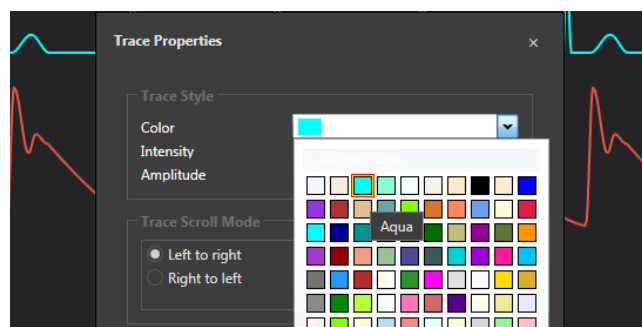


### Color

1. Change the color of the trace by clicking on the color drop-down menu.

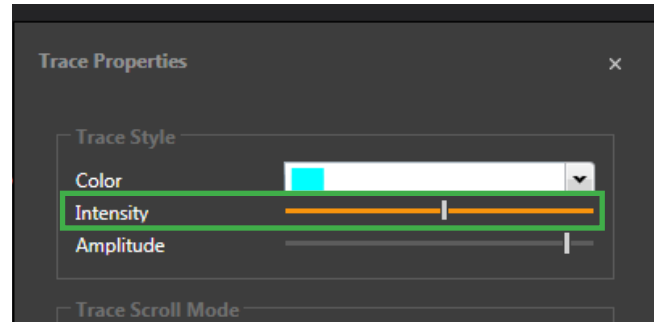


2. Selecting a color will automatically update the current trace.



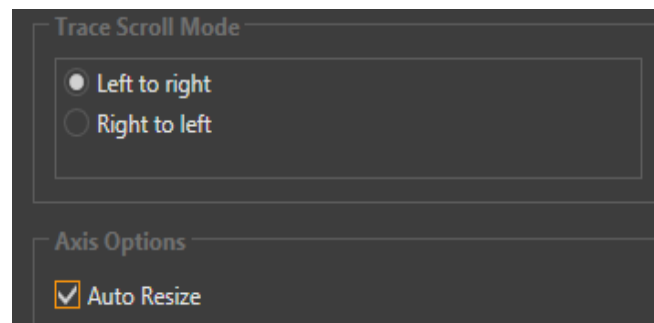
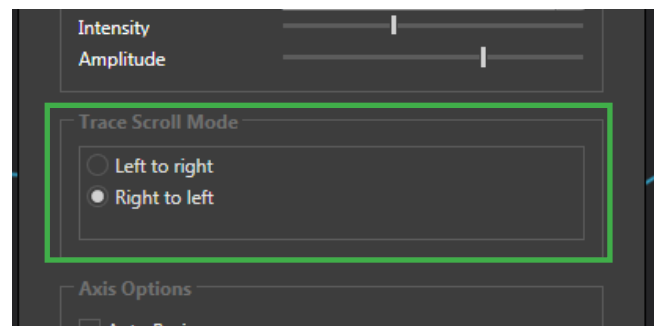
## Intensity

1. Adjust the intensity or thickness of the waveform by moving the slider.
2. The intensity changes will be reflected in real time.



## Trace Scroll Mode

1. Select a different "Trace Scroll Mode" to update all traces simultaneously. The default mode is Left to right.
2. You may also, select the "Auto Resize" box to allow the amplitude to auto adjust. Reference section 5.2 "Auto Resize" for more information.

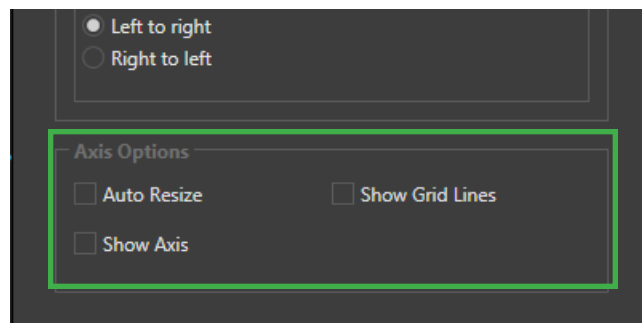




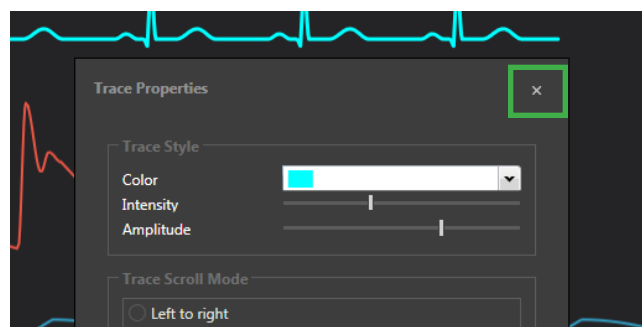
## Grid Lines

Grid lines can be added to certain waveforms for a more realistic look. Grid Lines are available for ABP and CO2.

1. Check the "Show Grid Lines" and "Show Axis" boxes to activate the feature,

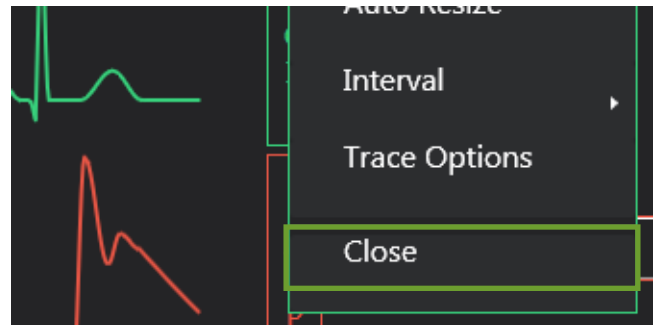


2. When you are satisfied with the changes, exit out of the "Trace Properties" window.
3. The settings will be applied.



## 5.5 CLOSE A WAVEFORM TRACING

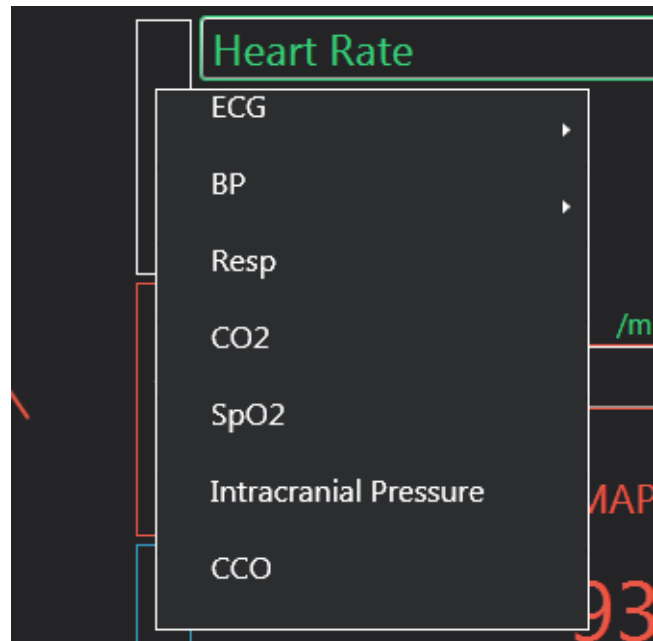
1. Close the trace displayed by clicking the waveform title and selecting "Close."



2. A question mark will appear where the trace was.



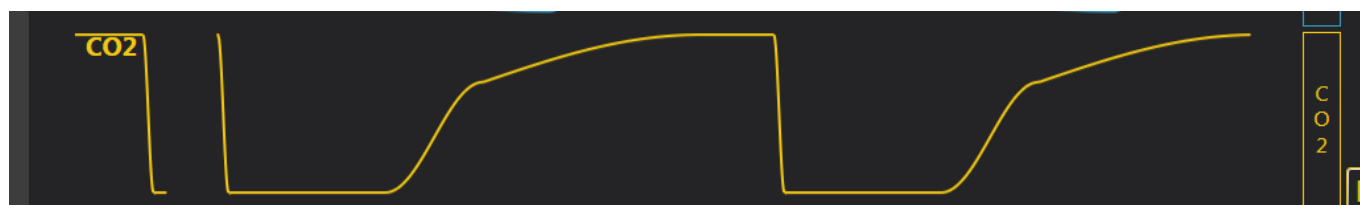
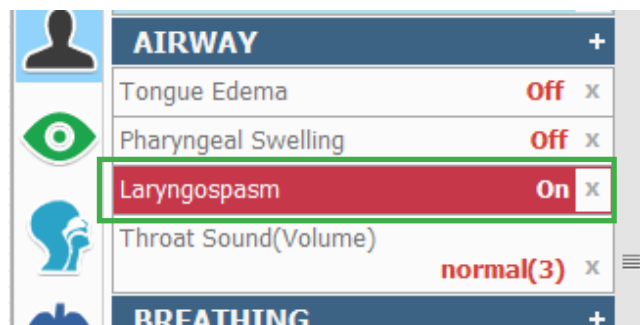
3. Select the question mark to open another trace.



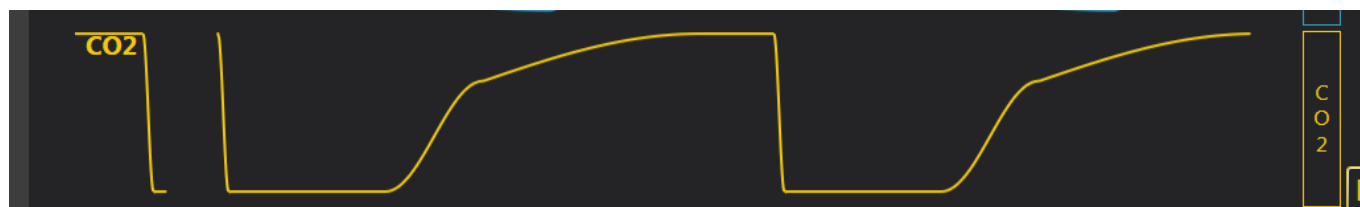
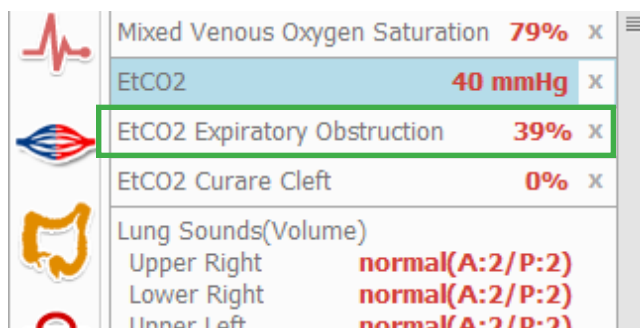
## 5.6 CUSTOMIZING WAVEFORMS

### CO<sub>2</sub>






Use UNI controls to change the CO<sub>2</sub> waveforms. Activate an airway complication to visualize a shark fin waveform.



Increasing the "EtCO<sub>2</sub> Expiratory Obstruction" percentage will also result in a shark fin waveform.



Increasing the “EtCO2 Curare Cleft” percentage results in a dip in the CO2 waveform.

	EtCO2	40 mmHg	x
	EtCO2 Expiratory Obstruction	39%	x
	EtCO2 Curare Cleft	0%	x
	Lung Sounds(Volume)		
	Upper Right	normal(A:2/P:2)	
	Lower Right	normal(A:2/P:2)	
	Upper Left	normal(A:2/P:2)	
	Lower Left	normal(A:2/P:2)	x



ABP

Use the UNI controls to customize the ABP waveform.

You may change the waveform to any of the following:

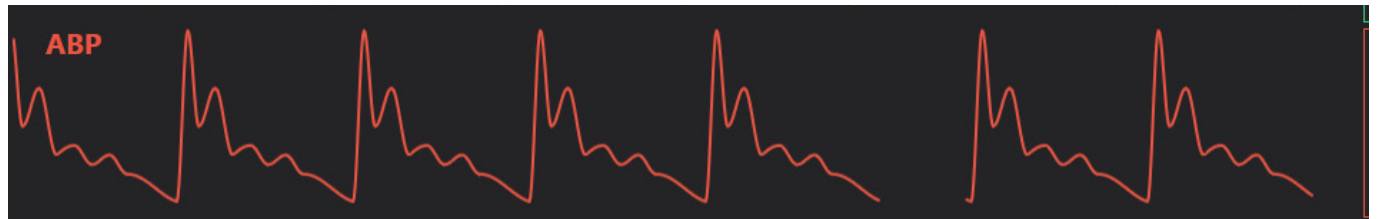
- Under Damped ABP
- Over Damped ABP
- Poor Perfusion

CIRCULATION		+
Arterial Blood Pressure Waveform		normal
Blood Pressure		120/80 mmHg
Korotkoff Sounds		Right: 2/Left: 2
Pulse		
Radial		Right: On/Left: On
Pedal		Right: On/Left: On

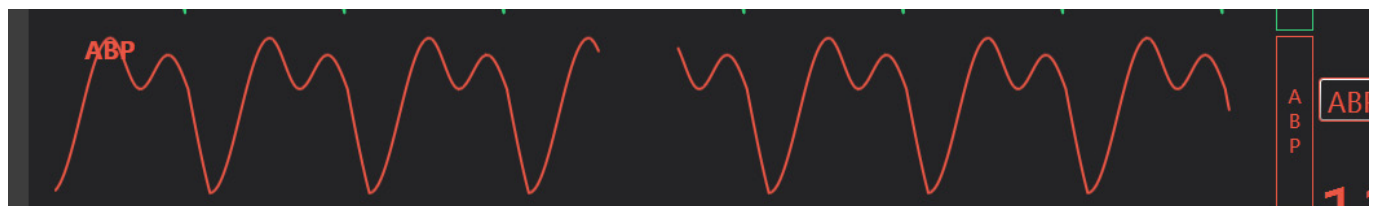
CIRCULATION		+
Arterial Blood Pressure Waveform		under damped
Blood Pressure		120/80 mmHg
Korotkoff Sounds		Right: 2/Left: 2
Pulse		
Radial		Right: On/Left: On
Pedal		Right: On/Left: On

CIRCULATION		+
Arterial Blood Pressure Waveform		over damped
Blood Pressure		120/80 mmHg
Korotkoff Sounds		Right: 2/Left: 2
Pulse		
Radial		Right: On/Left: On

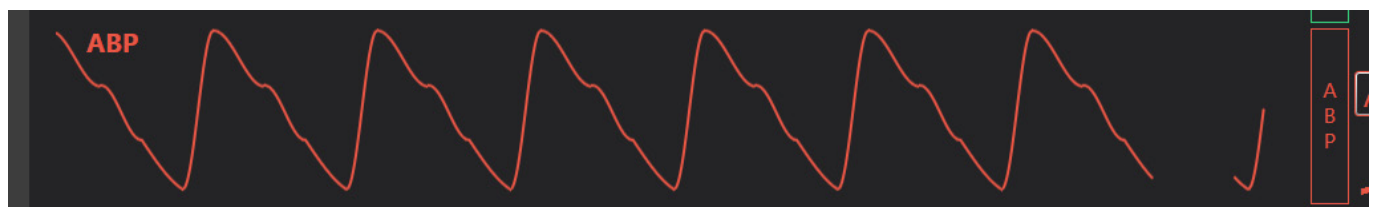
### Under Damped



### Over Damped



### Poor Perfusion



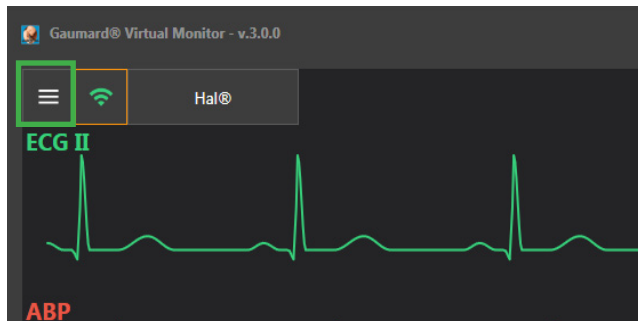
## 6. CUSTOMIZING THE GAUMARD VITALS LAYOUT

Gaumard Vitals gives you the ability to personalize, save, and load a previously used or preferred layout.

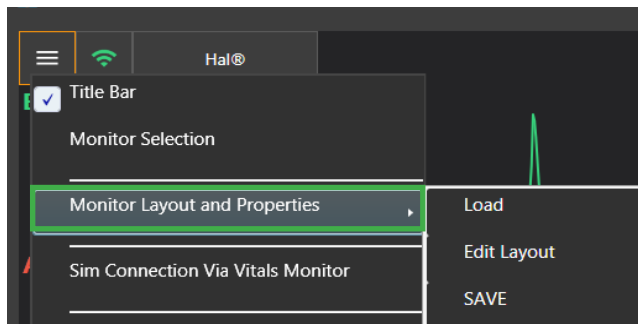
### 6.1 LOAD AN EXISTING LAYOUT

Two layouts are pre-programmed into the Gaumard Vitals program.

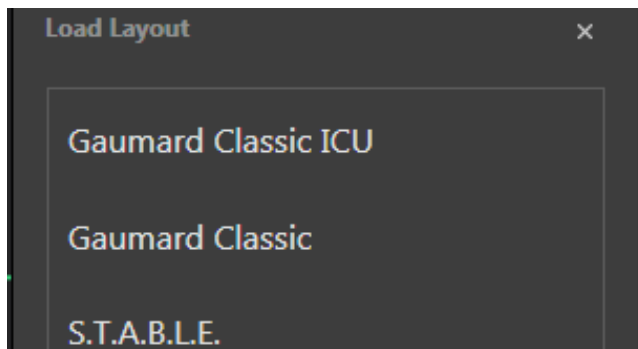
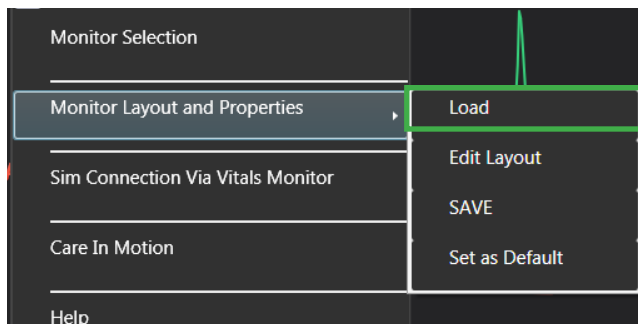
1. Click the Main Menu icon.



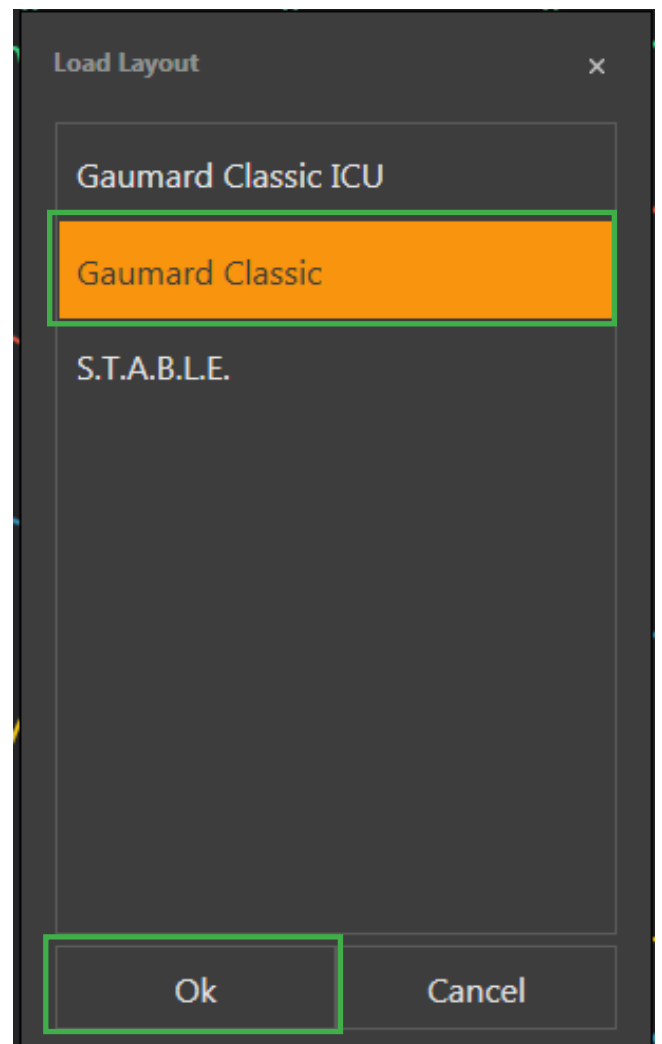
2. Select "Monitor Layout and Properties."



3. Select "Load" and the 2 pre-programmed layouts will appear.



4. Select a layout.
5. Click "OK" and the layout loads on the screen.



## Gaumard Classic



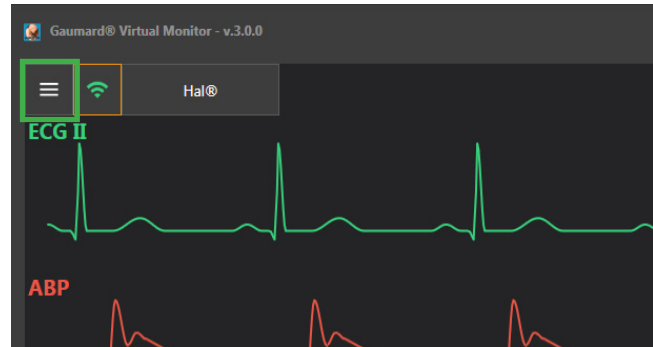


## S.T.A.B.L.E. (for Newborns only)

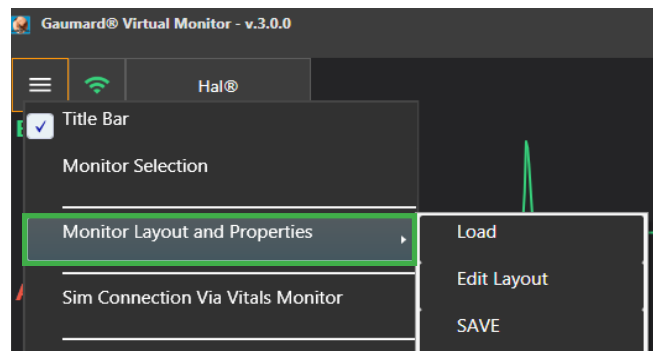


## 6.2 EDIT A LAYOUT

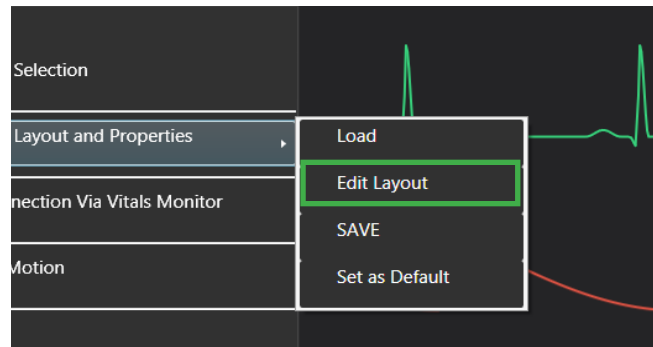
1. To access the "Layout Designer" click the Main Menu icon.



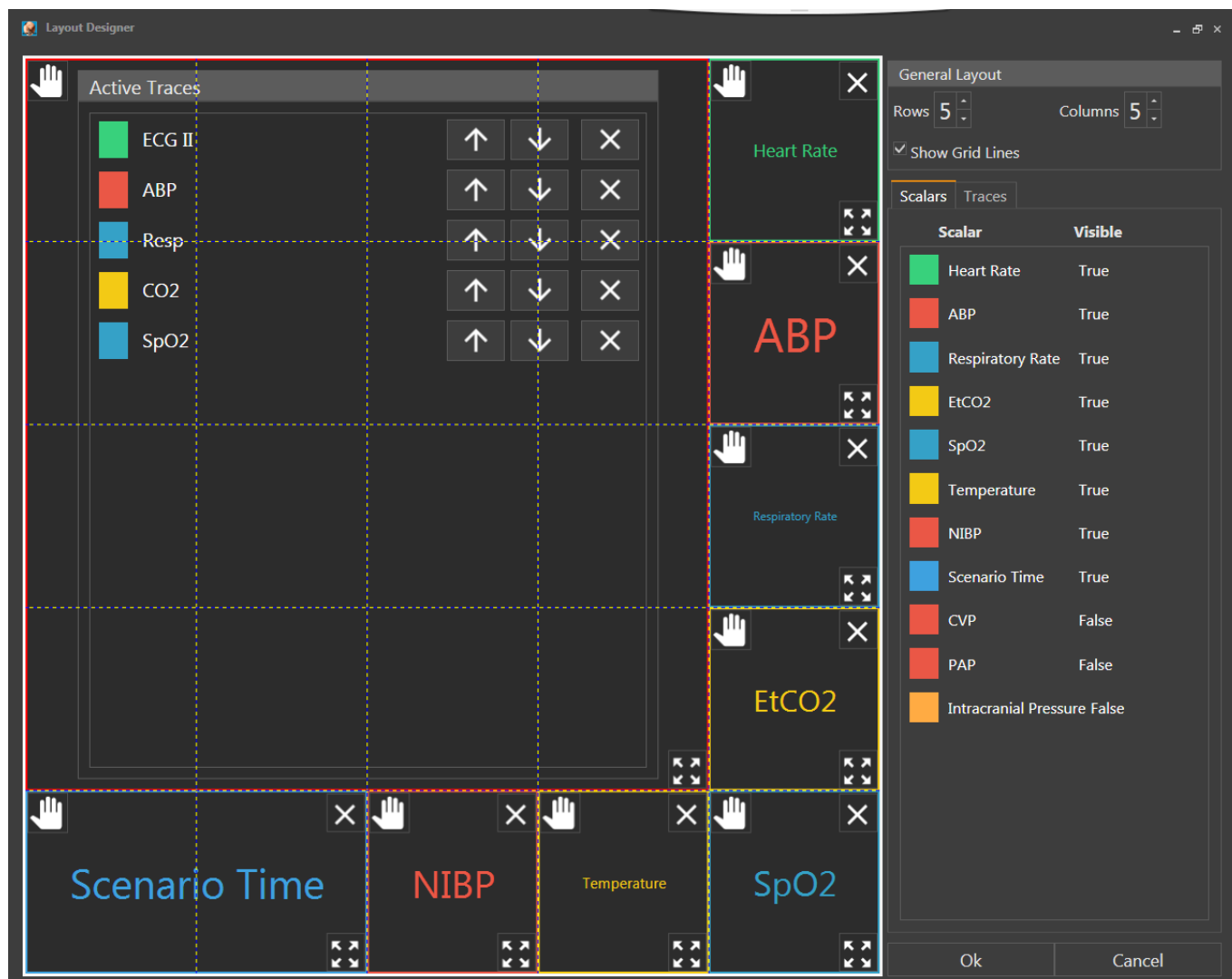
2. Select "Monitor Layout and Properties."



3. Select "Edit Layout" and the Layout Designer will appear on the screen.

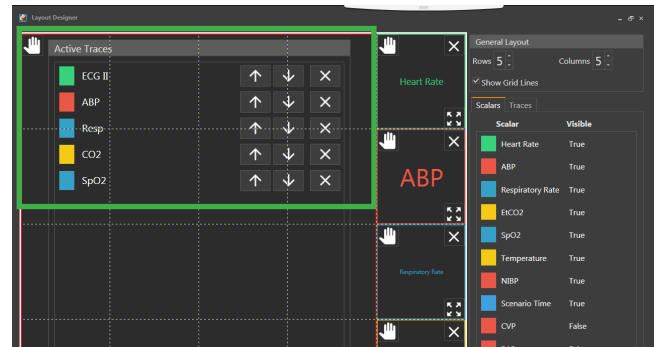


## Layout Designer

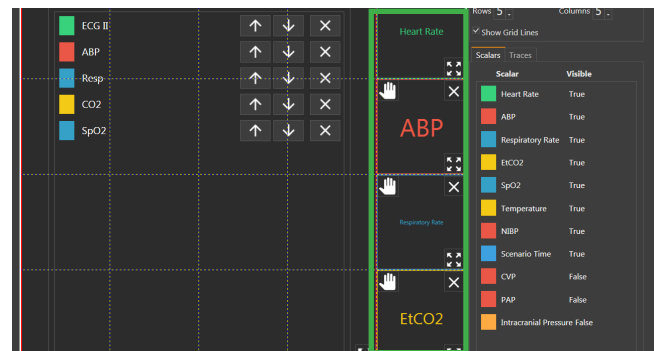


## Layout Designer Interface

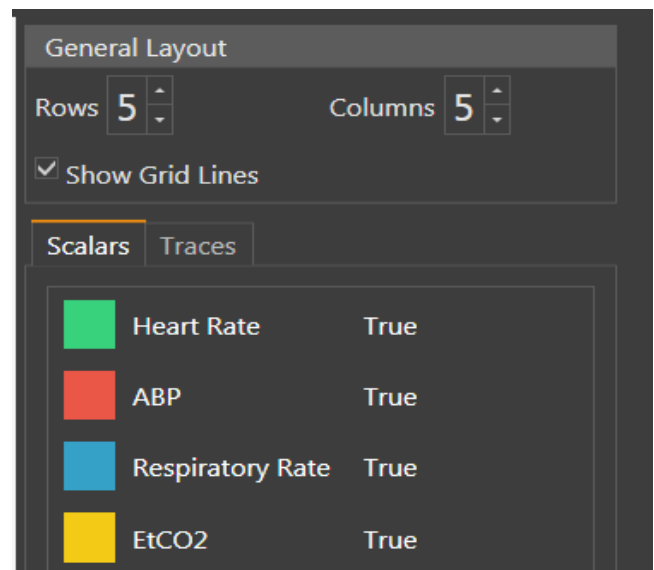
**Active Traces** lists the current waveforms on the monitor.



The current numerical vital signs are located around the border.



**General Layout** lists all the possible numerical values and waveforms that can be added or removed from the layout.



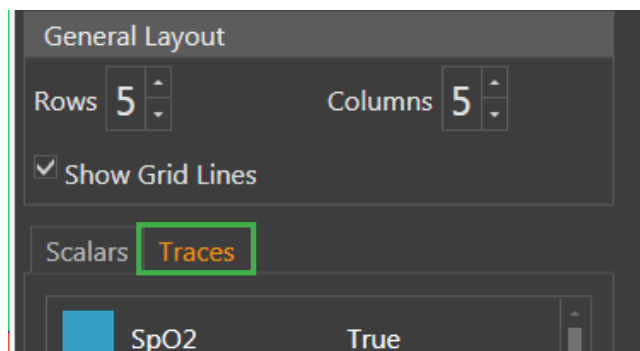
## Adding Traces

Use the "Traces" tab to add a waveform to the layout.

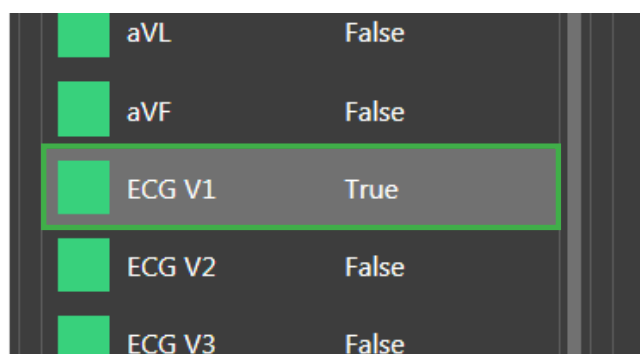
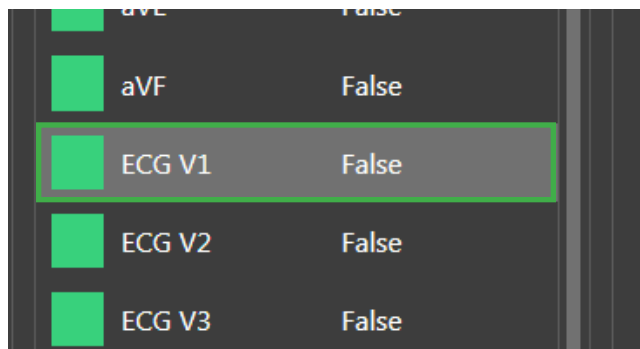
**True:** The trace is currently on the layout

**False:** The trace is not on the layout

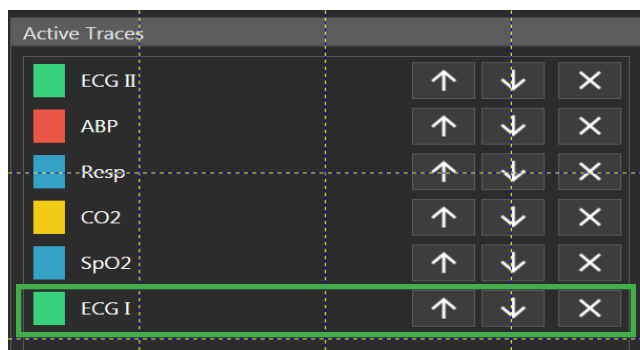
1. Click the "Traces" tab.



2. Select a trace. Once selected, the trace will appear as "True."



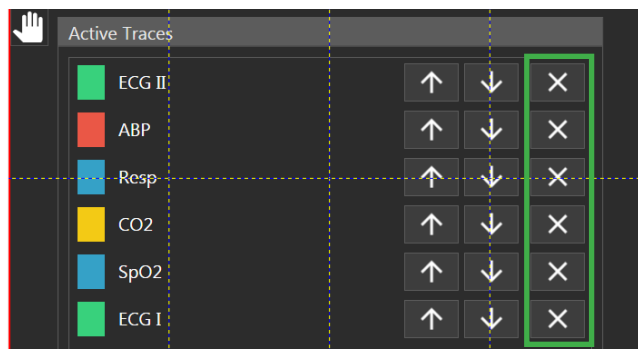
The "Active Traces" will automatically update.



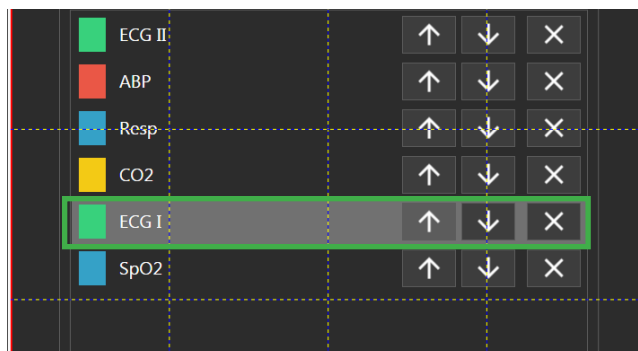
## Trace Controls

Use the controls on the right to move and delete the traces.

1. Use the arrows to move the traces into different locations.



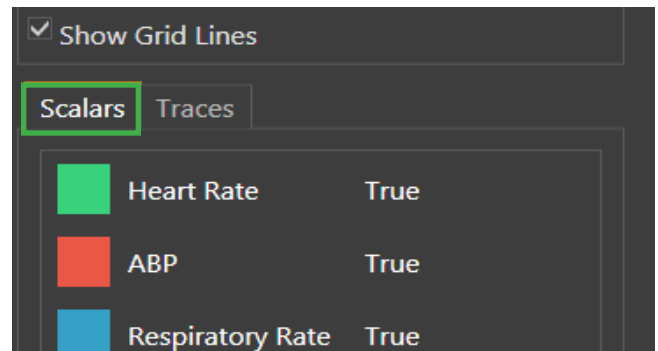
2. Click the "X" to delete the trace.



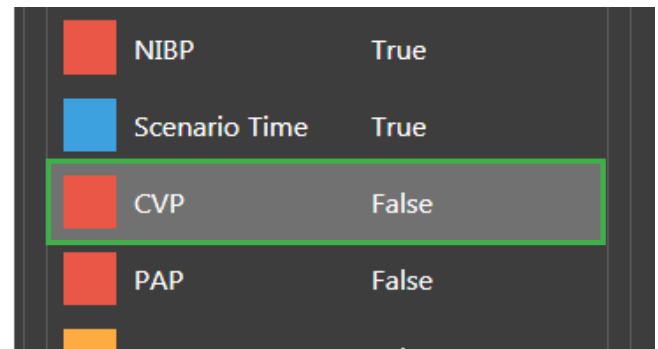
## Adding Scalars

Add vital signs to the layout using the "Scalars" tab.

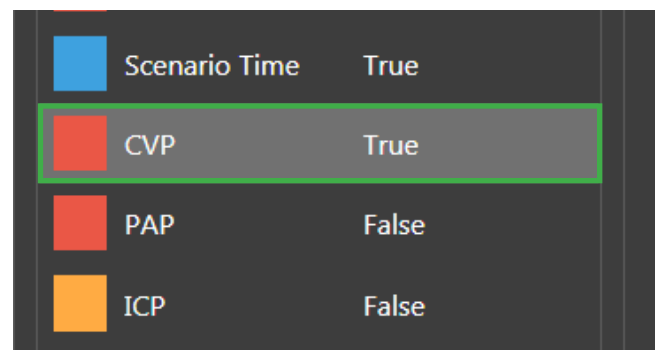
1. Click on the "Scalars" tab.



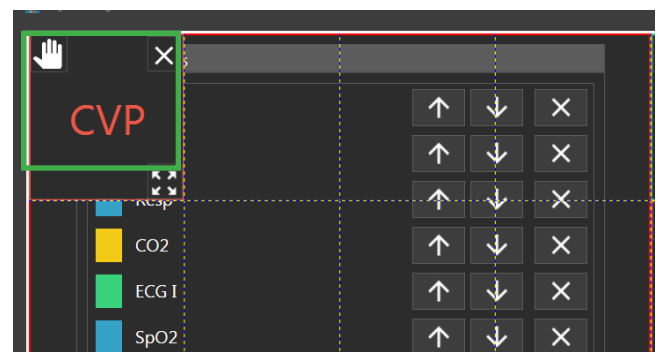
2. Select a parameter labeled "False."



The scalar will appear as "True."

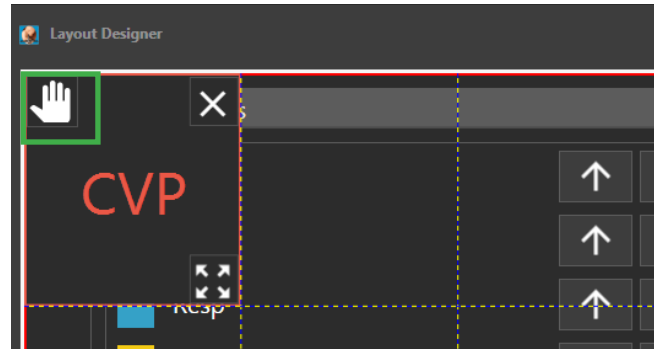


The new scalar will appear on the layout.

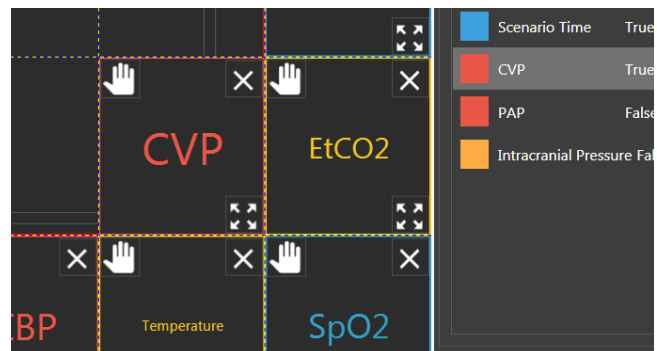


## Scalar Controls

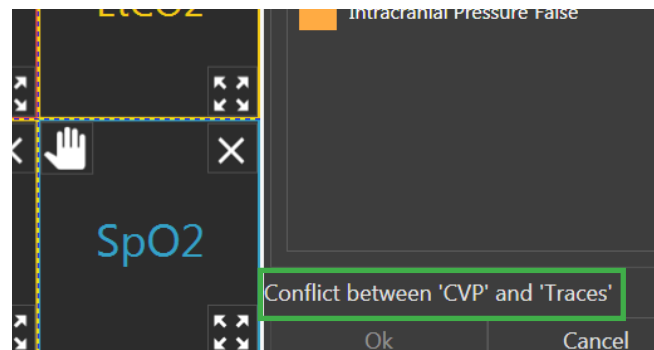
1. To move the scalar to a different location on the layout, click the hand on the upper left corner of each scalar.



2. Drag it to a different block on the layout.



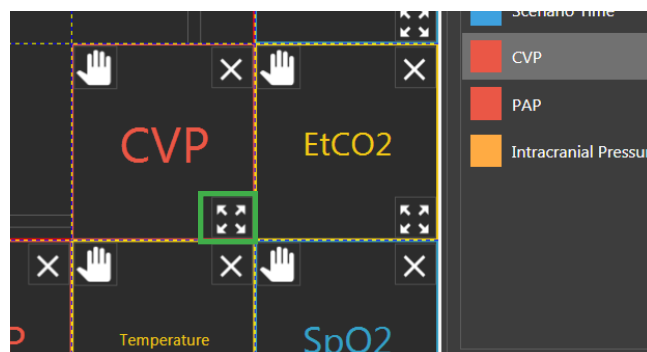
3. If its location interferes with an active trace, a conflict notification appears.



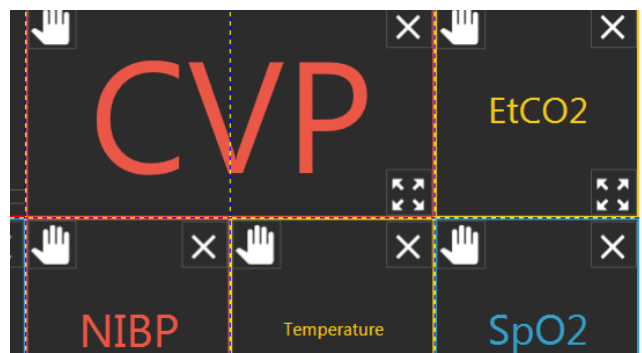


## Resizing Scalar Box

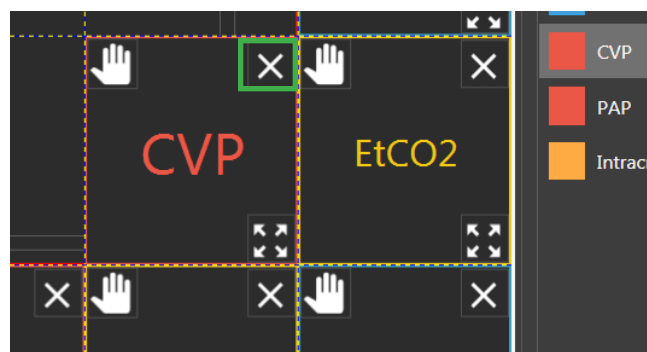
1. To change the size of the scalar block, use the arrows on the corner of the block.



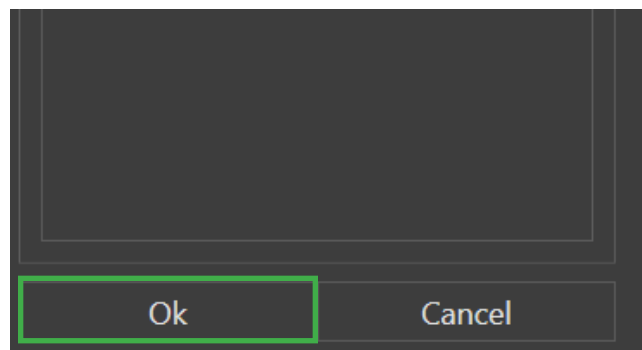
2. Click the arrows and drag them up or down to change the size of the scalar block



3. To delete a scalar, click on the "X" in the scalar block.

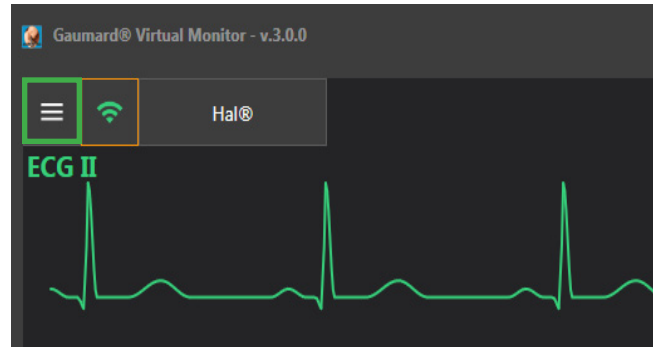


4. Click "OK" at the bottom to accept the changes of the layout and preview the new layout.

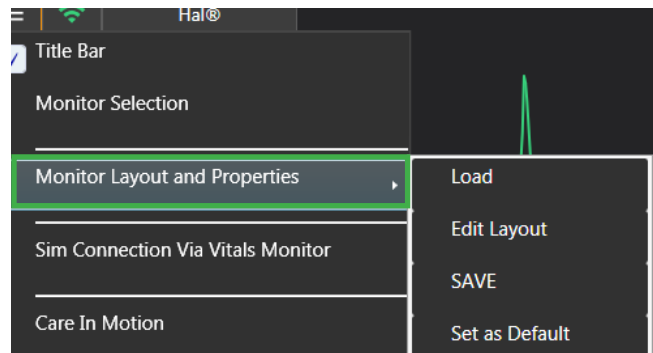


## 6.3 SAVE A LAYOUT

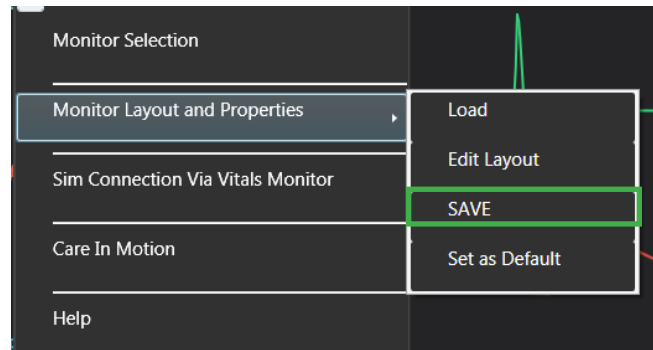
1. Open the main menu.



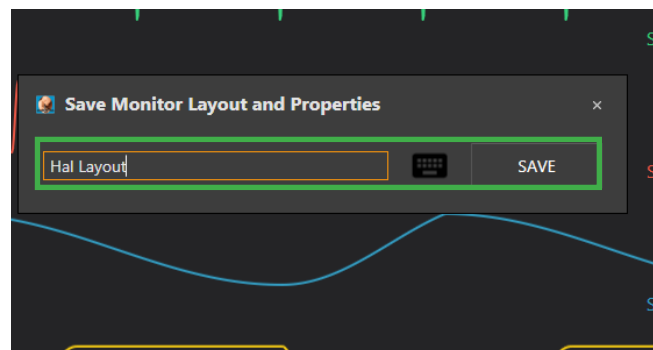
2. Select "Monitor Layout and Properties."



3. Click "Save."

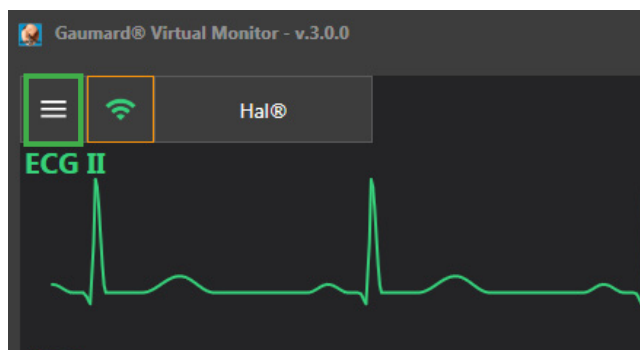


4. Name the layout and click "Save."

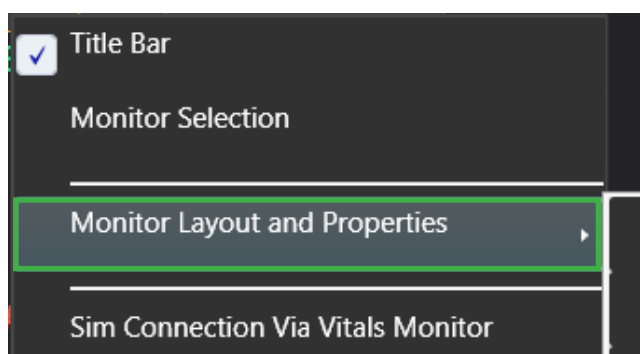


## 6.4 SET A DEFAULT LAYOUT

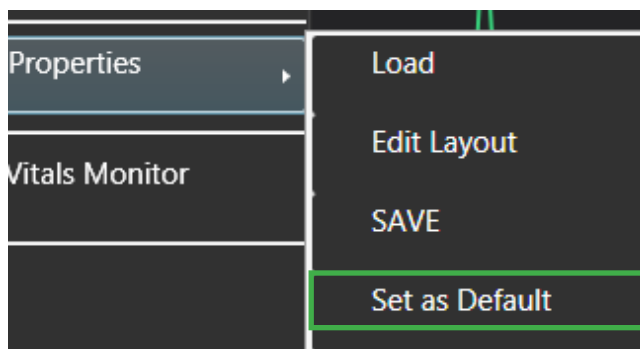
1. To set a custom layout to default, access the main menu on the layout of your choice.



2. Select "Monitor Layout and Properties."



3. Click "Set as Default."



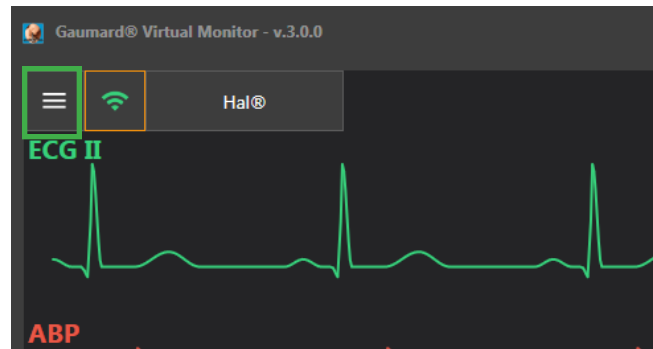
## 6.5 EXPORTING AND IMPORTING

Upload a saved layout into another monitor by using the Export and Import function.

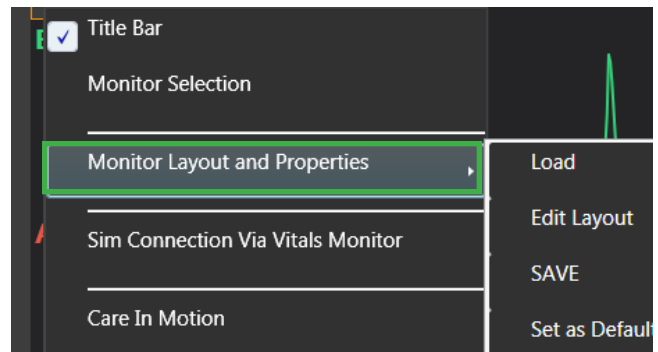
**NOTE:** A custom layout has to be saved before exporting.

### Export

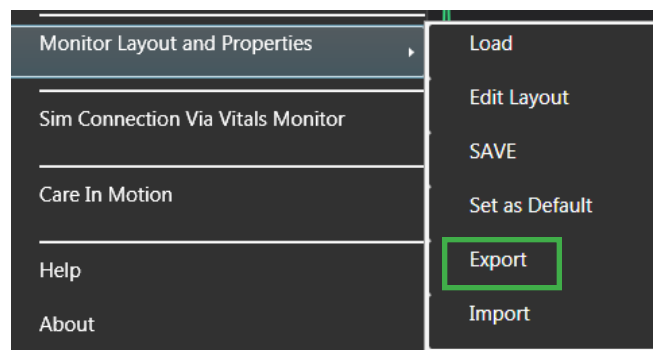
1. Open the main menu



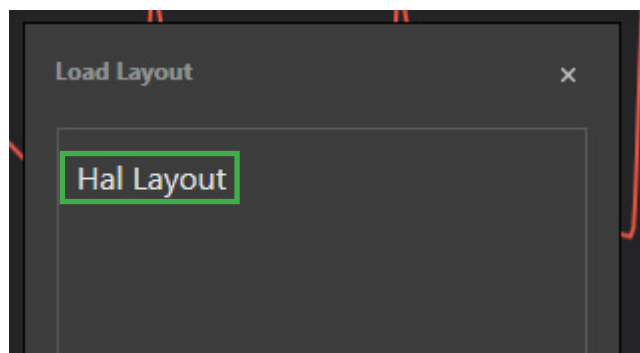
2. Select "Monitor Layout and Properties."



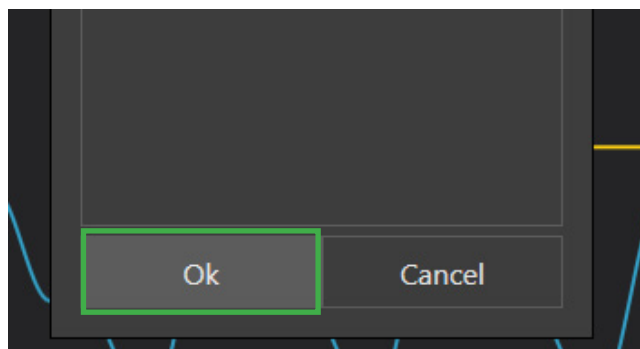
3. Click "Export."



4. Choose and click on the custom layout.

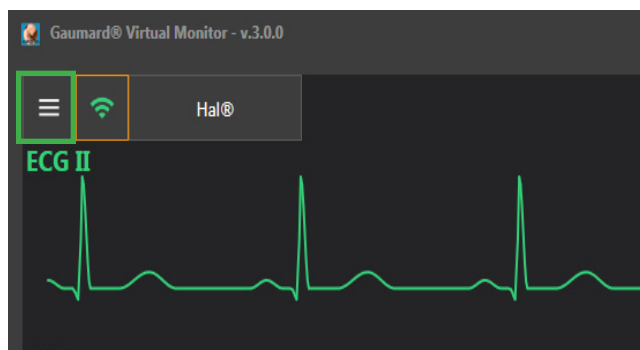


5. Click "OK." Use the "Browse for Folder" window to select a location for the file and click "OK."

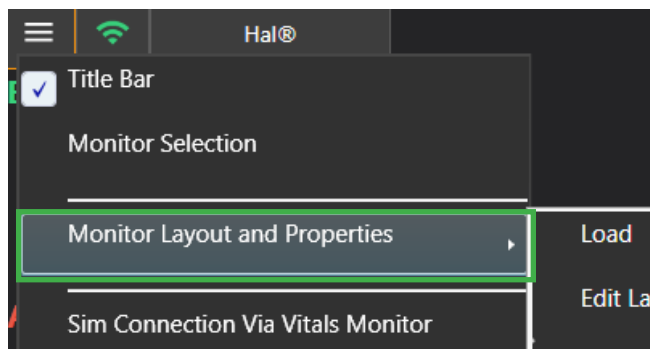


## Import

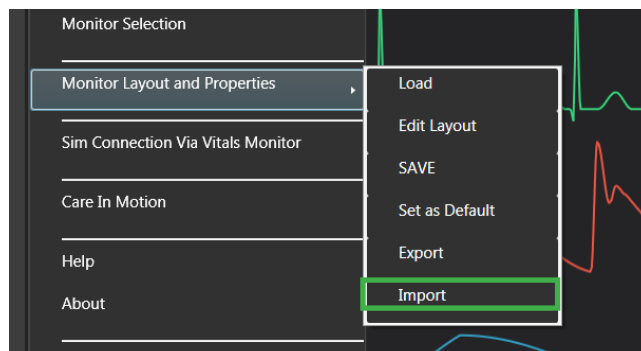
1. On another monitor, open the Gaumard Vitals program and select the main menu.



2. Click "Monitor Layout and Properties."



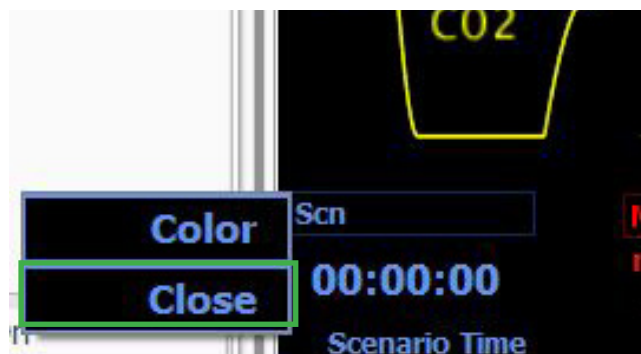
3. Click "Import" then search for the saved layout to open.



## 6.6 SEND A LAYOUT

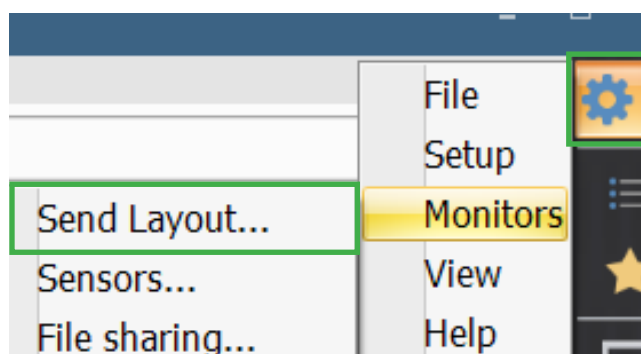
Use the "Send Layout" feature to make changes to the monitor's layout from UNI and send the changes to the bedside monitor.

1. Make a change to the Virtual Monitor Layout, for example, closing a scalar value and opening a new one.



2. In UNI, click the Menu icon in the upper right corner of the screen. Select 'Monitors', then 'Send Layout.' The Gaumard Vitals software will reload and reflect the change.

**NOTE:** The Virtual Monitor is not going to reflect the change until the layout is sent from UNI.

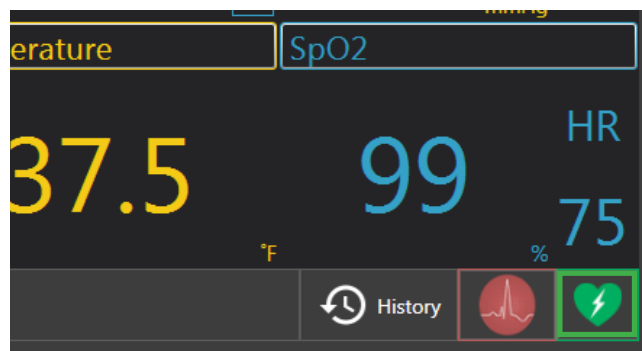


## 7. VIRTUAL SHOCK AND PACE

Deliver a shock to the patient or pace the patient virtually using the Virtual Monitor.

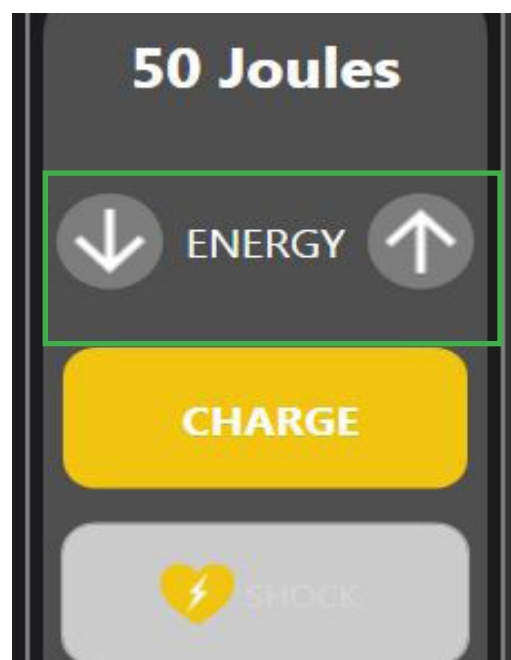
### 7.1 VIRTUAL SHOCK

1. Select the Virtual Shock icon on the lower right side of the screen and the Virtual Shock panel will appear.



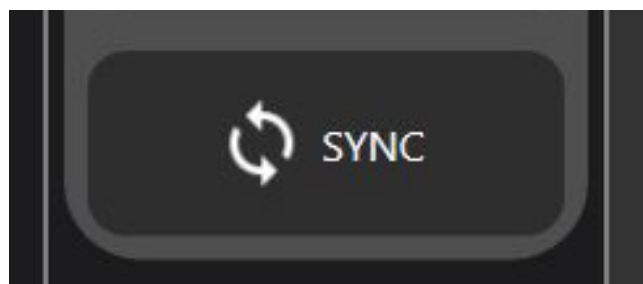
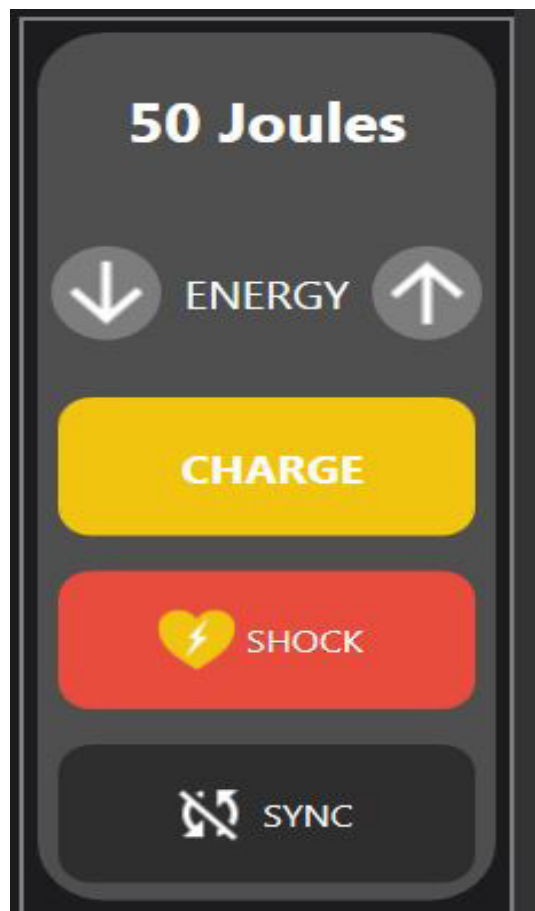
2. Use the arrows to change the number of Joules.

**NOTE:** Joules increase in increments of 10.



3. Click "CHARGE" and "SHOCK" to apply the shock.

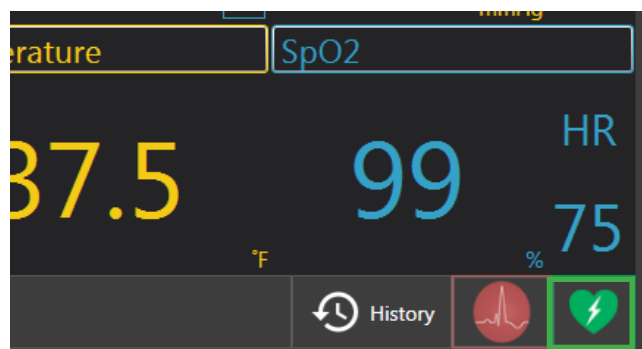
NOTE: Use the "SYNC" button to cardiovert the patient. The UNI log will detect that a shock has been delivered.





## 7.2 VIRTUAL PACE

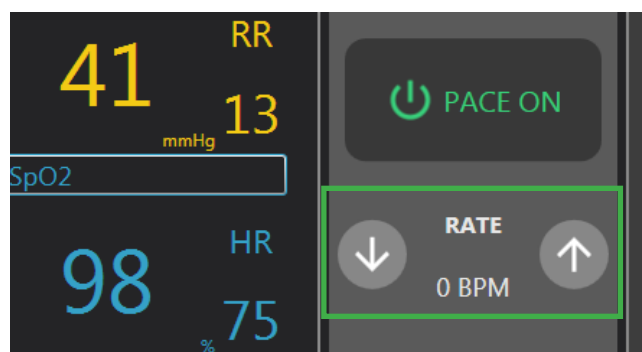
1. Select the Virtual Shock icon on the lower right side of the screen. The Virtual Shock panel will appear.



2. Click "PACE OFF" button to convert the virtual panel to "PACE ON."



3. Use the arrows to adjust the rate and current for the pace. The event log in UNI will capture the pace.



## 8. 12 LEAD EKG

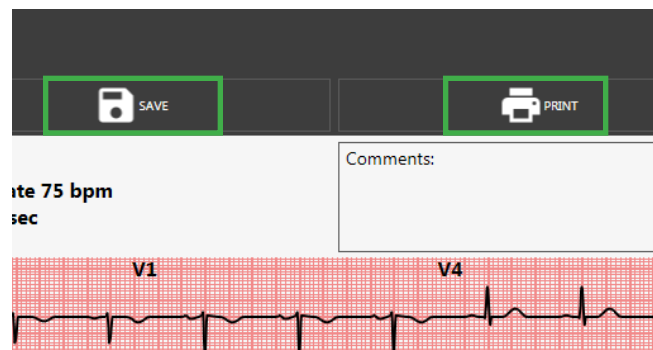
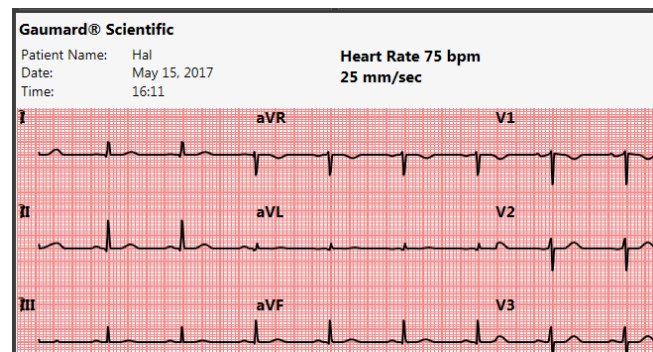
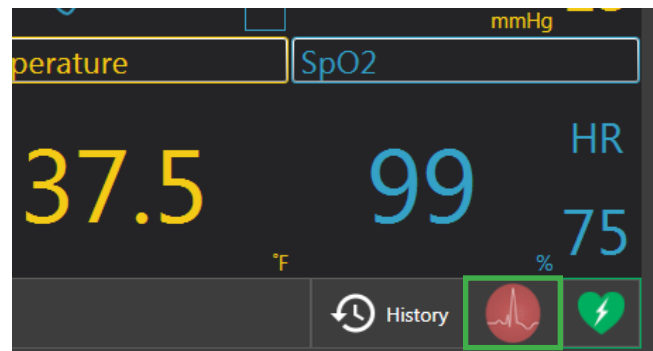
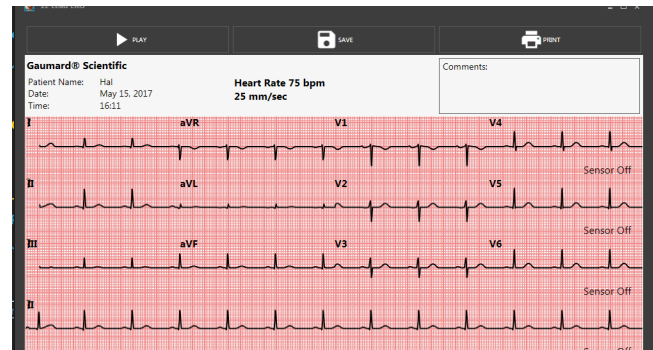
The Virtual Monitor displays and prints 12 Lead EKG strips.

To access the 12 Lead EKG strip, click the EKG icon on the lower right side of the screen.

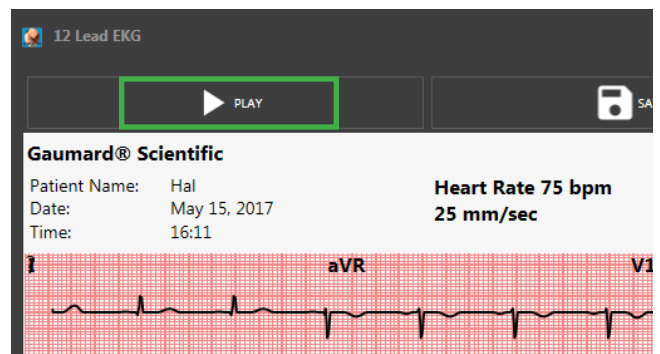
Patient Name, Date, and Time will automatically populate.

Type any additional comments in the Comments box.

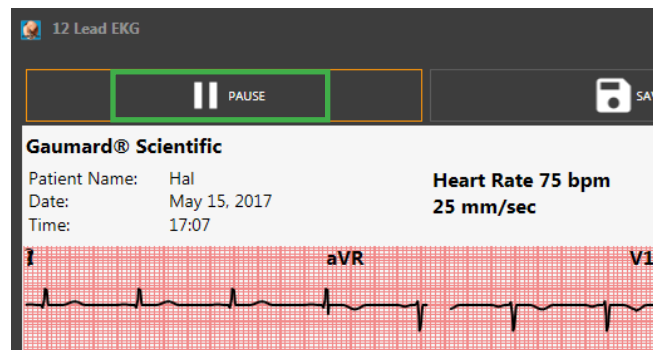
Save and Print the EKG strip for future reference and debriefing.



Use the "Play" button to run the strip continuously.

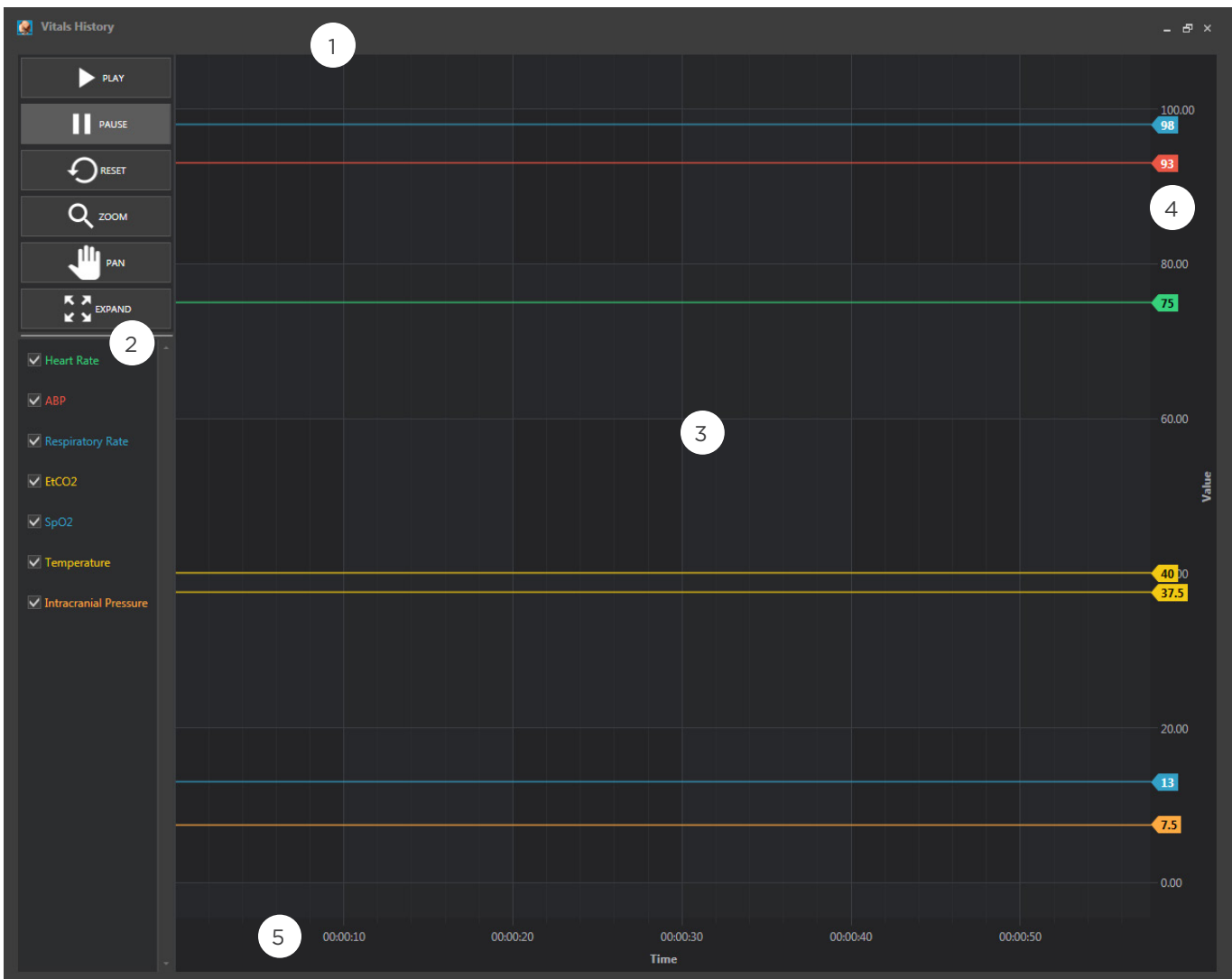
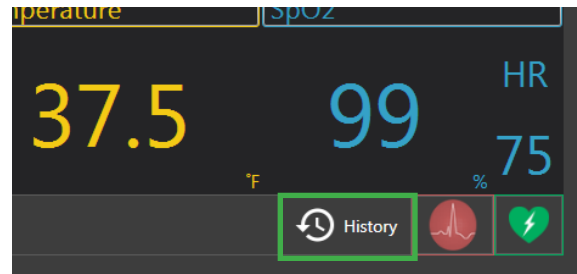


Click "Pause" to pause the strip at anytime. The cycle will finish and pause before the next cycle.



## 9. HISTORY

- The History function opens an overview of the change in vital signs during a scenario.
- It is located on the lower right side of the screen. The Vitals History will appear in another window.

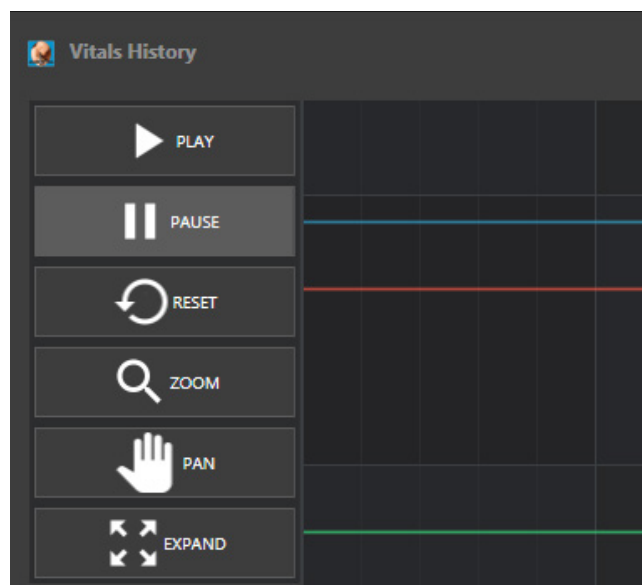


1. Vitals History Controls
2. Legend
3. Timeline Grid
4. Current Value
5. Timeline

## 9.1 VITALS HISTORY CONTROLS

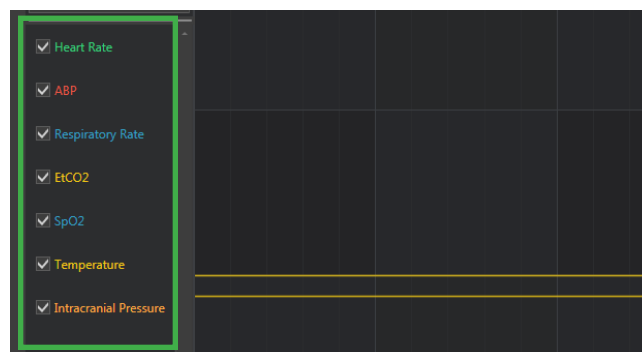
Use the controls on the left to navigate through the history timeline.

1. **Play:** Show the vitals update in real time.
2. **Pause:** Freeze the Vitals History in its current state.
3. **Reset:** Start the Vitals History trend from zero.
4. **Zoom:** Highlight any point in the Vitals History's grid to zoom in. Double-click on the grid to zoom out.
5. **Pan:** Click anywhere around the grid and drag to move around the timeline.
6. **Expand:** Show the entire Vitals History timeline from zero to end.



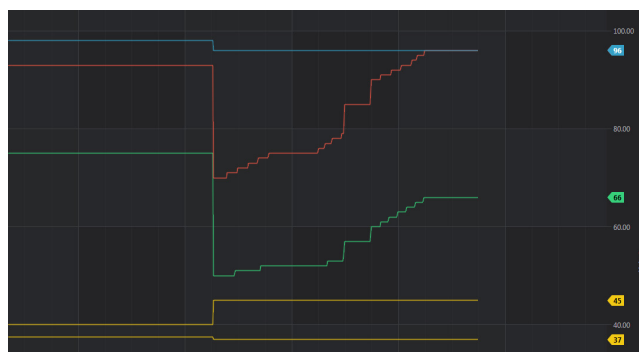
## 9.2 LEGEND

The Vital Signs that appear on the grid are all checked. Each vital sign has a corresponding color for easy identification on the grid.



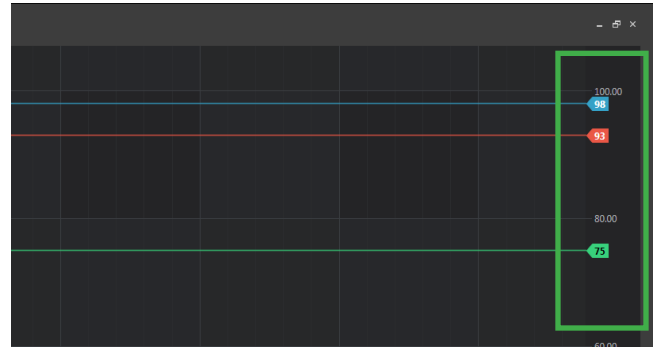
## 9.3 TIMELINE GRID

- The timeline grid shows the changes of values over time.
- Visualize when the vital signs drop or increase during the course of a scenario.



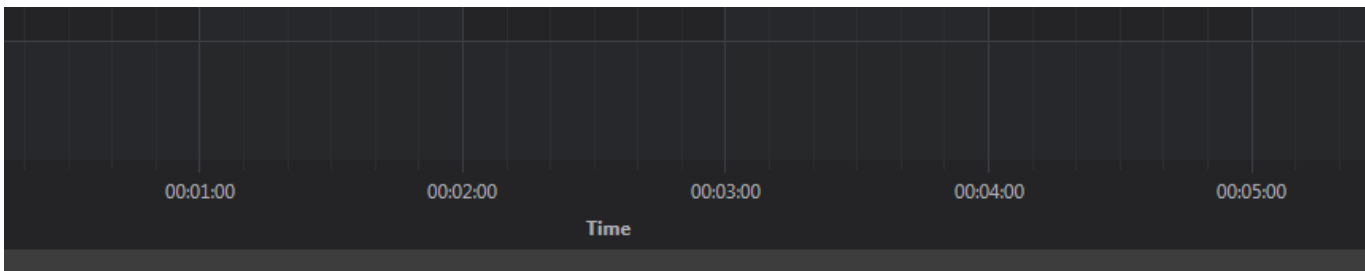
## 9.4 CURRENT VALUE

- The current value for the numerical vital signs are displayed on the right.
- The values will update in real time.

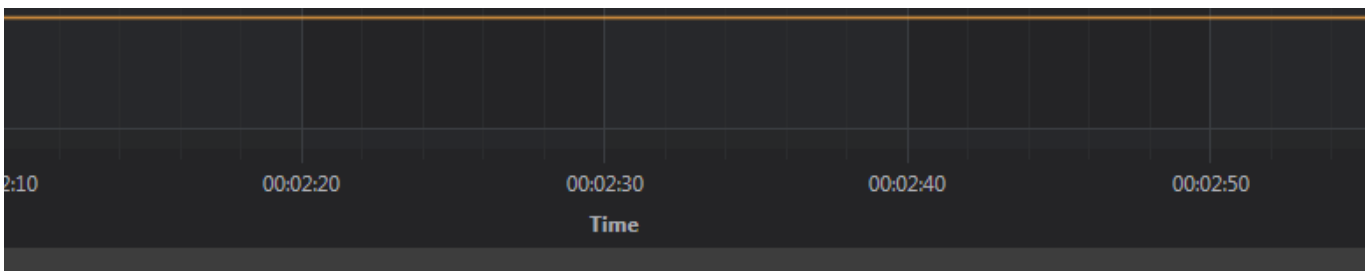


## 9.5 TIMELINE

Use the timeline to better visualize the changes in the vital signs over a period of time. Use the "Zoom" control to change the interval of the time.



Intervals of 1 minute (Zoomed Out)

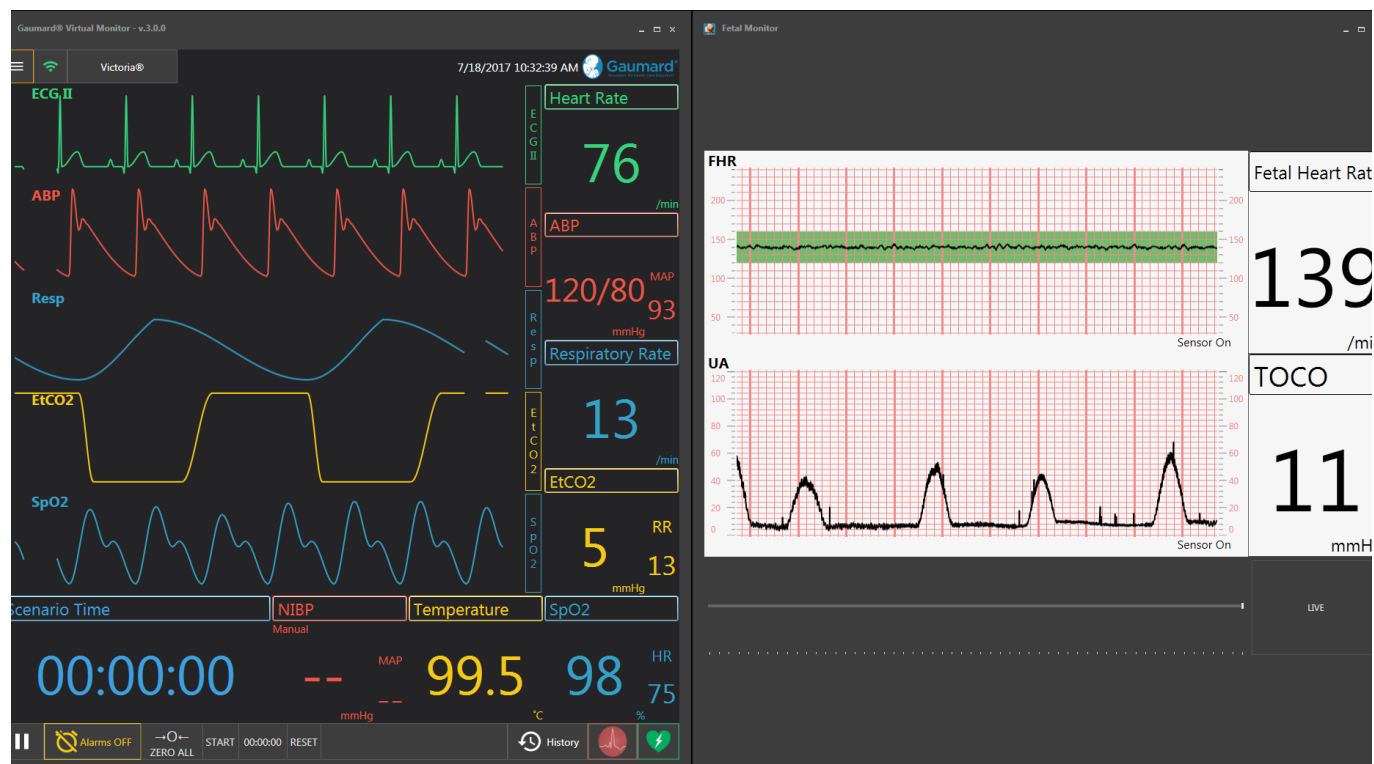


Intervals of 10 seconds (Zoomed In)

## 10. OBSTETRIC VITALS

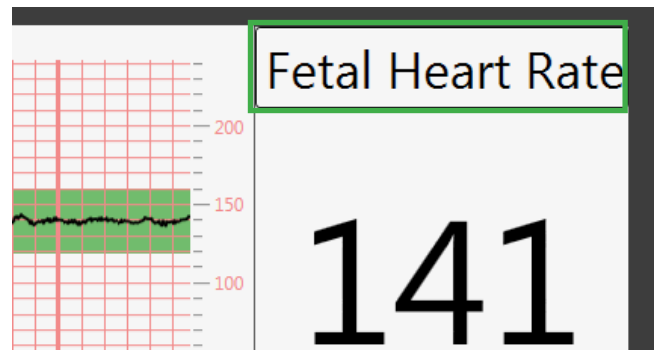
View maternal and fetal monitor and vital signs simultaneously. The fetal monitor provides feedback on uterine contractions and fetal heart rate. Enable an FSE beep, EFM beep, and review the history of the fetal strip.

**NOTE:** Refer to section 11.3 "Monitor Selection" to setup the maternal and fetal monitor layout.



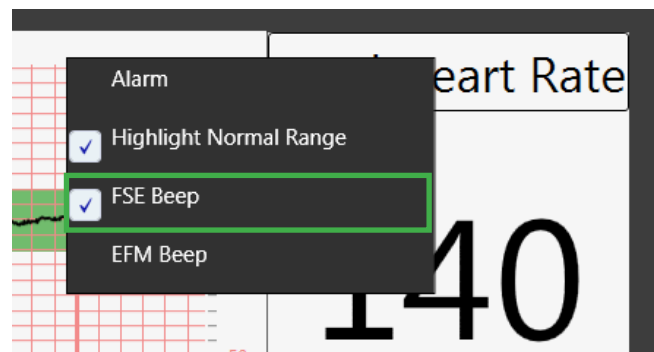
## 10.1 ENABLE FSE BEEP, AND EFM BEEP

1. To enable the FSE beep and EFM beep, click "Fetal Heart Rate."



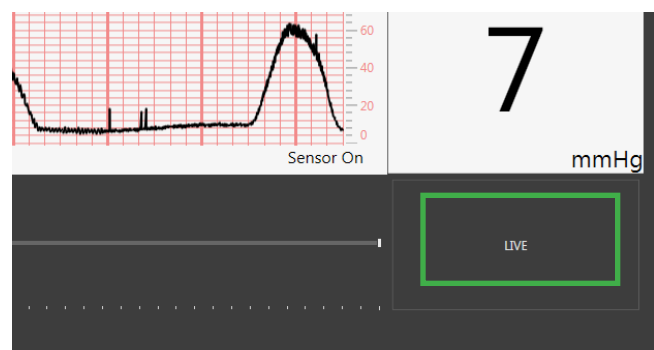
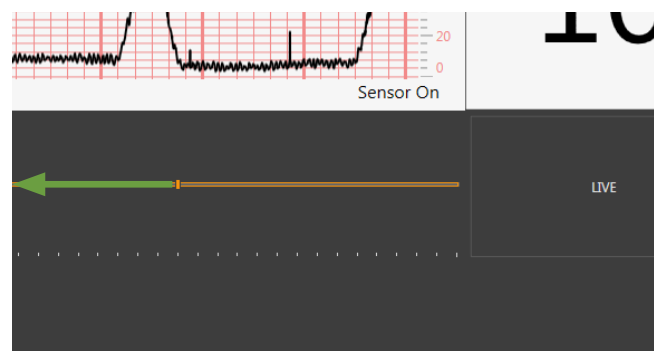
2. Select "FSE Beep" or "EFM Beep."

**NOTE:** Selecting both is not a possible configuration.



## 10.2 HISTORY

- Review and debrief the Fetal Heart Rate and TOCO strip.
- Move the slider bar to the left to review and freeze the strip at any point.
- Click "LIVE" to return to the real time feedback.





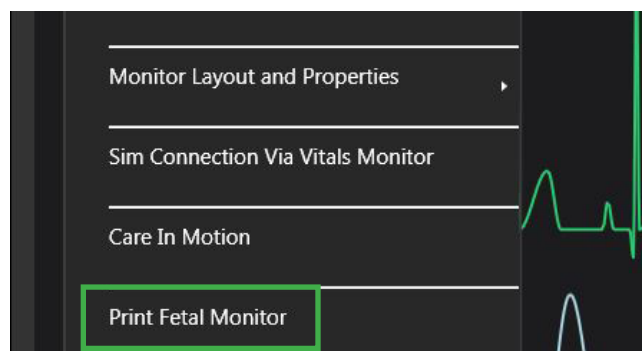
## 10.3 SAVE AND PRINT THE FETAL MONITOR

Capture, save, and print sections of the Fetal Monitor using the Gaumard Vitals software.

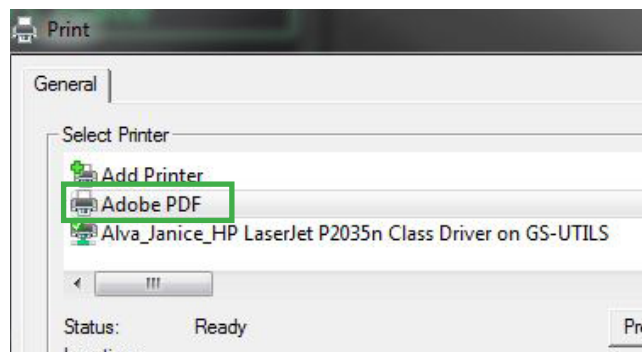
1. Open the main menu.



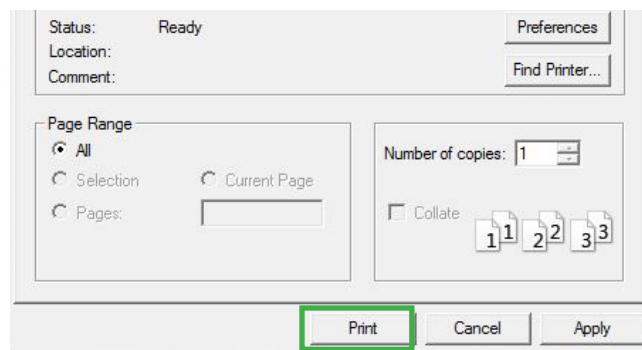
2. Click "Print Fetal Monitor."



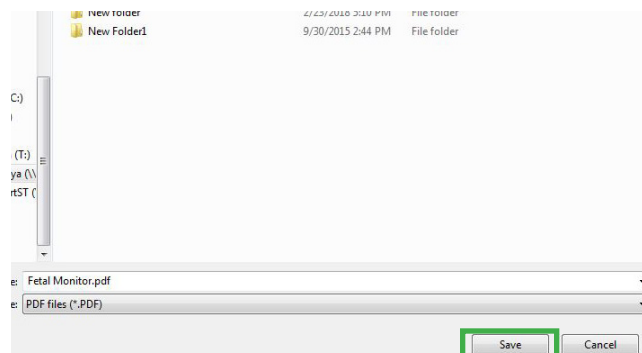
3. To save the Fetal Monitor strip, click "Adobe PDF."



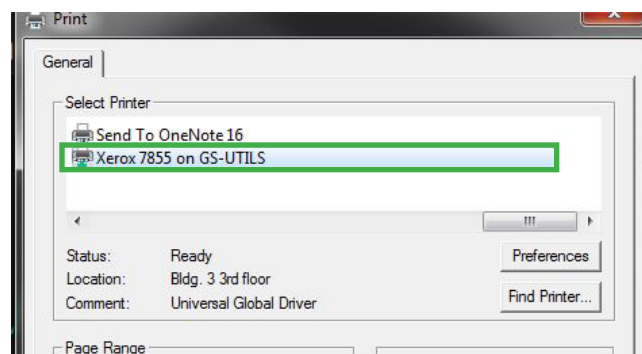
4. Select "Print," and the default folder will open.



5. Save the PDF.



6. To print the Fetal Monitor strip, select the printer instead and click "Print."



## 11. CONNECTIVITY

### 11.1 WI-FI

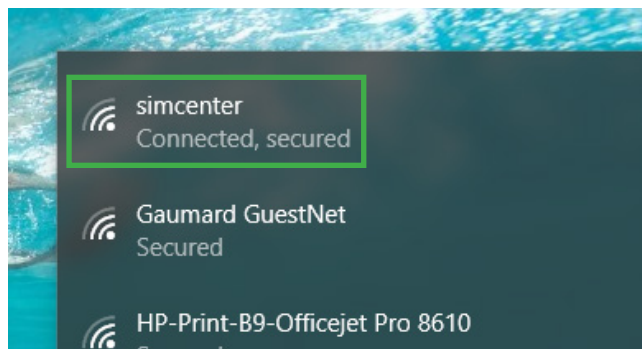
The Virtual Monitor connects wirelessly using the router provided. The controlling computer and the virtual monitor need to be connected to the same wireless network.

1. To setup the virtual monitor, connect the router to a wall outlet or to the back of the monitor.

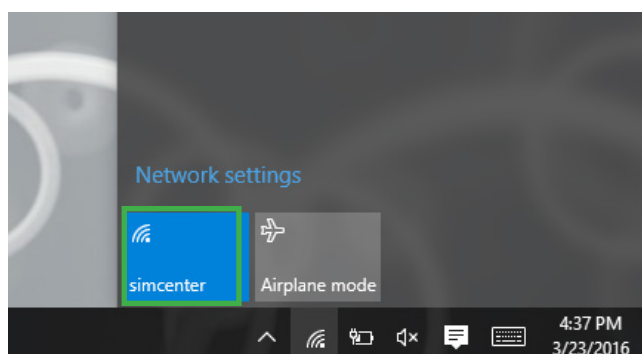


2. Ensure that the control tablet PC is connected to the network.

**NOTE:** The network name will be in the following format: Gaumard\_SerialNumber where SerialNumber is your product's serial number.



3. Verify the bedside monitor is also connected to the same network.



4. Once connected to the network, open the Gaumard Vitals software.



5. Open the UNI software on the control tablet PC and it will automatically establish a connection.



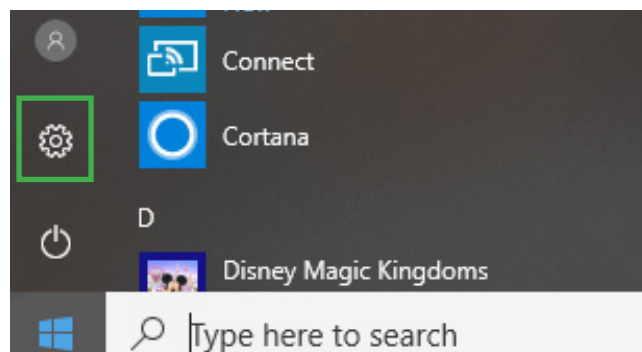
## 11.2 BLUETOOTH

It is possible to connect UNI and Gaumard Vitals using Bluetooth. Review the PC hardware documentation to confirm Bluetooth is available.

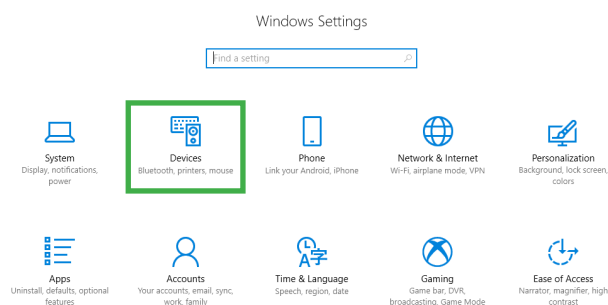
Both devices must be paired before attempting a connection.

### Pairing Devices

1. Click the settings icon on the tablet PC.

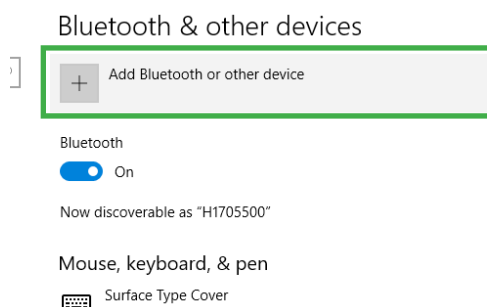


2. Select "Devices."

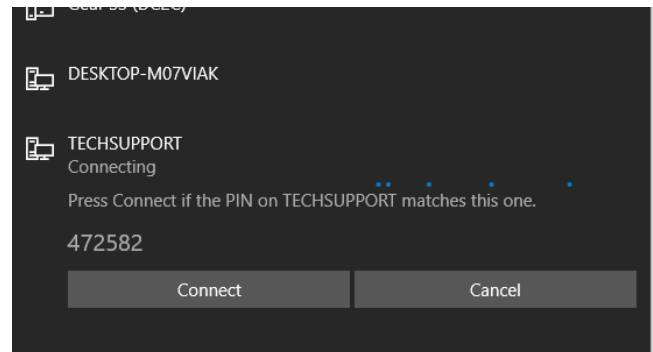


3. Click "Add Bluetooth or other devices."

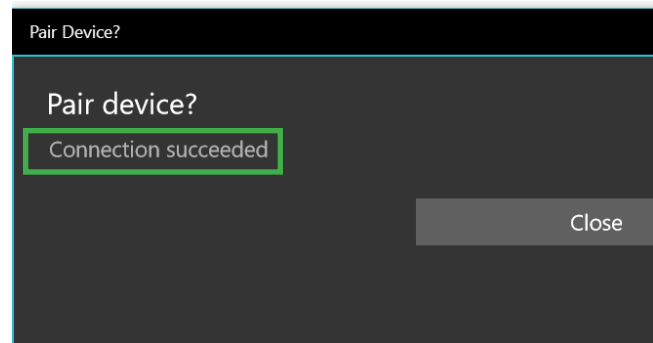
4. On the other PC, repeat steps 1-3.



5. Add the device and follow the prompts to connect.



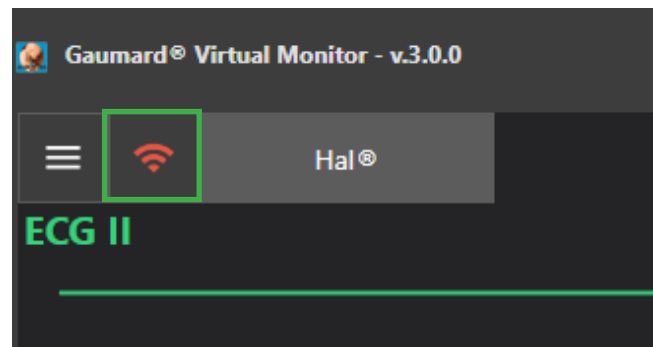
6. On the other PC, confirm the connection.



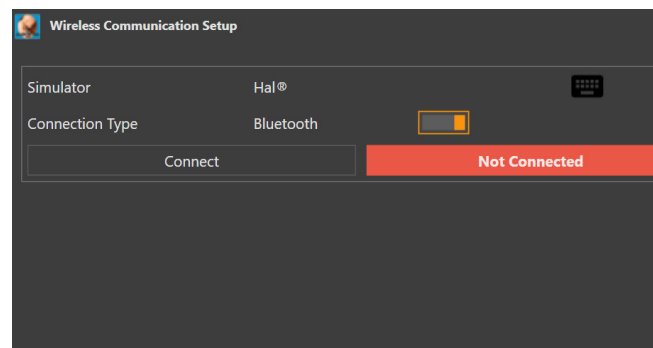
## Connect via Bluetooth

Once the devices are paired, open the UNI and Gaumard Vitals software.

1. In Gaumard Vitals, open the "wireless Communication Setup" window.



2. Switch the Connect Type from "Wi-Fi" to "Bluetooth."



3. In the UNI software, switch the connection type to Bluetooth in the Virtual Monitor Setup window.

Select the number of Gaumard Monitor computers that display this simulator's vital signs. Also, enter a name and description for each monitor connection instance.

1

**Monitors 1** ☐ All sensors ON

Connection Type: **Bluetooth** Compatible with VM version 3

Adapter: Local Area Connection  ?

IP: 192.168.50.147 Port: 8001  ?

Controller Name: **PC033** IP Type: **manual**

Network Name: **Wired Network**

Connected to: - **192.168.50.147**

4. Confirm the Bluetooth device and click "OK."

Select the number of simulator's vital sign connection instances.

1

**Monitors 1**

Connection Type: Bluetooth

Adapter: Local Area Connection

IP: 192.168.50.147

Controller Name: PC033

Network Name: Wired Network

Connected to: 192.168.50.147

**Select Bluetooth Device**

TECHSUPPORT  
Gear S3 (DC2C)  
DESKTOP-M07VIAK

OK Cancel

5. The connection status will turn green and read "Connected" when a connection is established.

**Wireless Communication Setup**

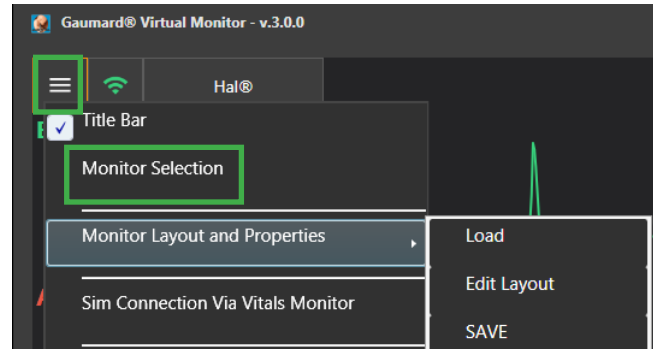
Simulator: Hal®

Connection Type: Bluetooth

## 11.3 MONITOR SELECTION

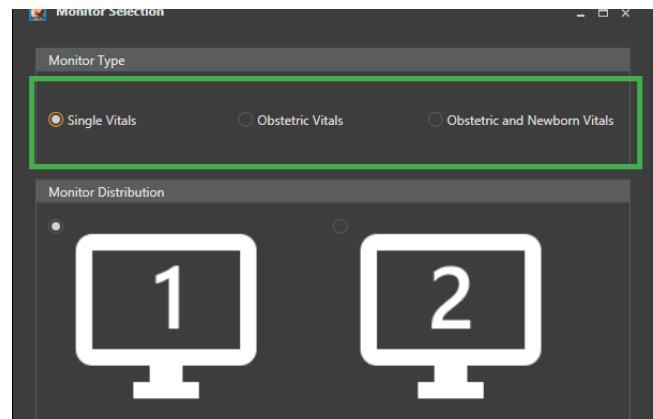
Use the monitor selection feature to change the distribution of the monitor screen.

1. Open the main menu, and select "Monitor Selection."

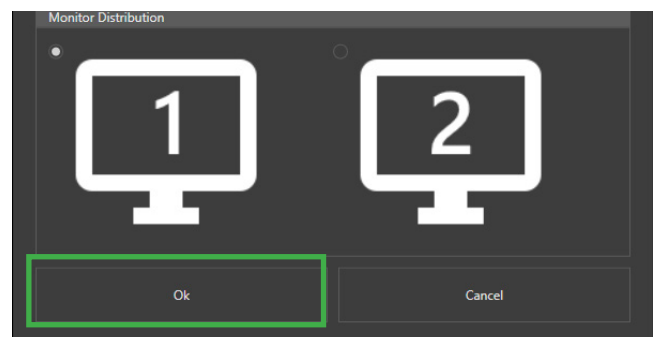


2. Verify the Monitor Type. If an extended monitor is detected, a second screen will appear in "Monitor Type."
3. Chose which monitor to display maternal vitals.

**NOTE:** Fetal Vital sign will appear on the other.



4. Click "OK" when the configuration is set.





## 11.4 SIMULATOR CONNECTION VIA VITAL SIGNS MONITOR

Use the Vital Signs Monitor to establish a connection with the simulator. This configuration provides a better connectivity in environments with numerous walls or obstructions between the simulator and controller PC.

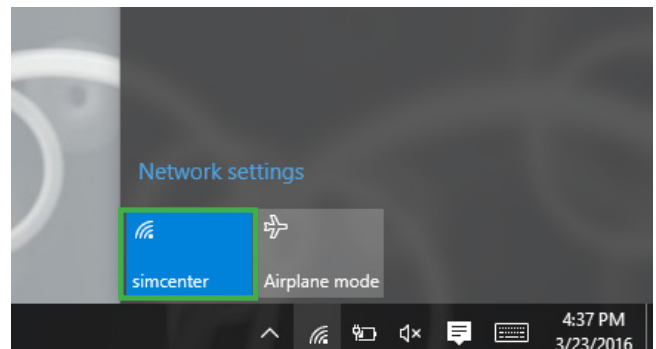
1. Ensure that the RF module drivers are downloaded on the virtual monitor PC.

**NOTE:** Download the RF module drivers from [www.gaumard.com/downloadsoftware](http://www.gaumard.com/downloadsoftware).

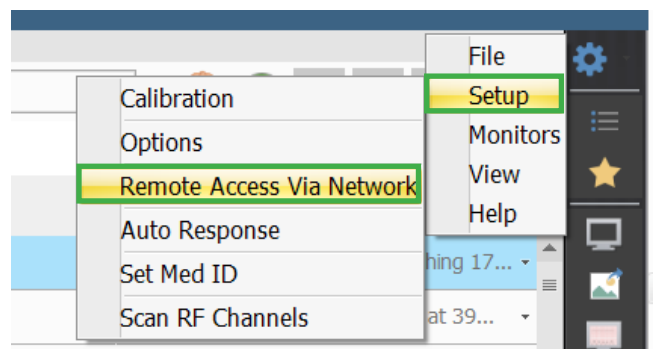
2. Plug in the RF module to the virtual monitor PC.



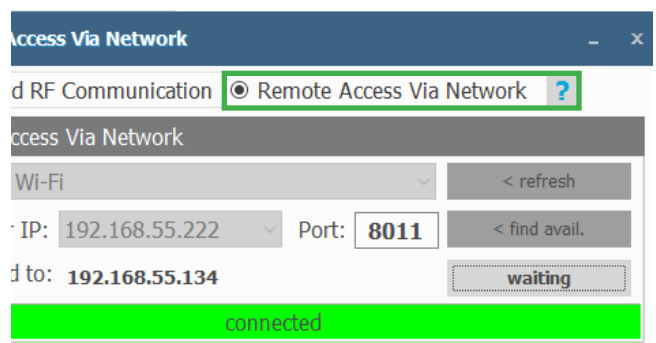
3. Verify that both computers are connected to the same network by checking the network setting.



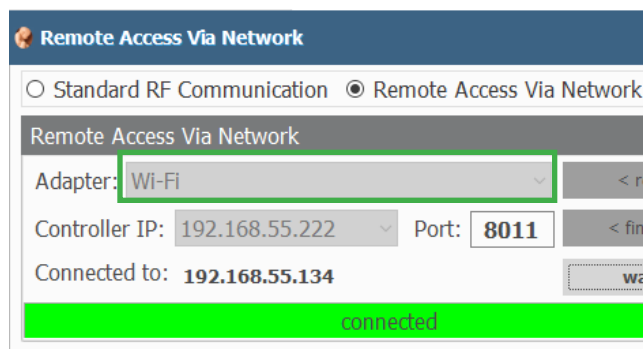
4. In UNI, select the Menu icon in the upper right corner. Click Setup, then Remote Access Via Network.



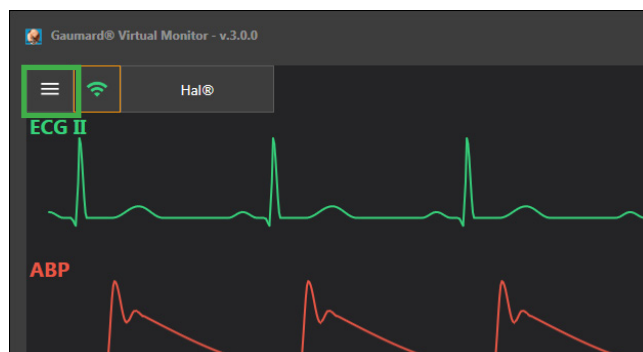
5. Select "Remote Access Via Network" in the pop-up window.



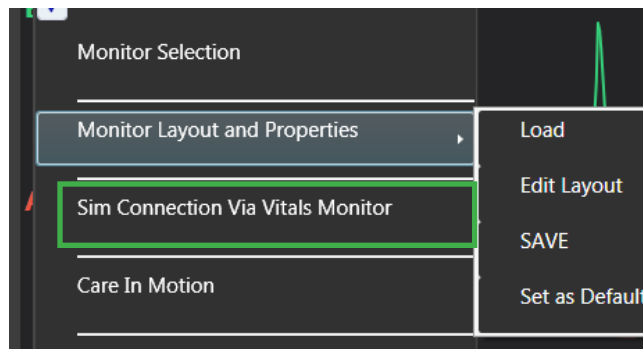
6. Confirm the adapter is set to WI-Fi, and take note of the "Controller IP" and "Port Number."



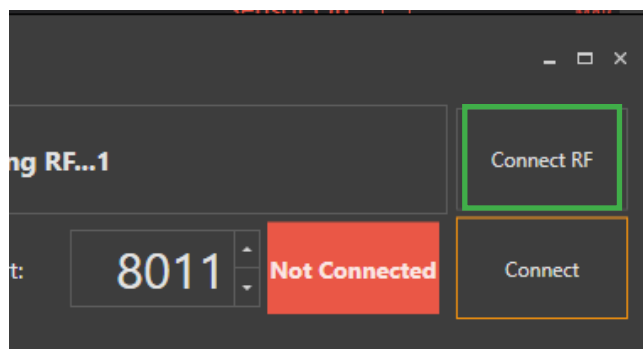
7. On Gaumard Vitals, open the Main Menu.



8. Select "Sim Connection Via Vitals Monitor."

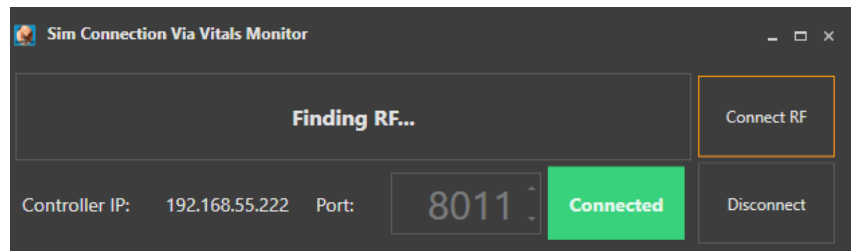
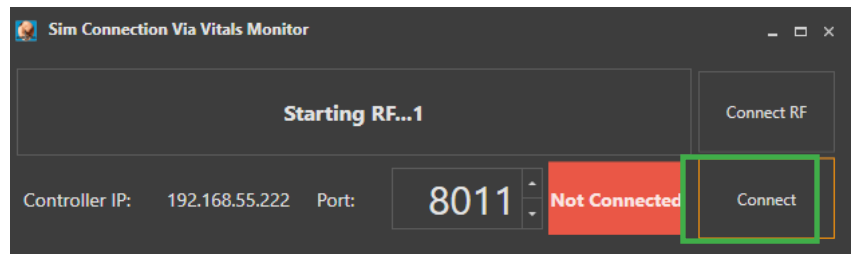


9. Click "Connect RF."



10. Check the "Controller IP" and "Port Number," or type in the numbers noted in step 6 if it is blank. Then click "Connect."

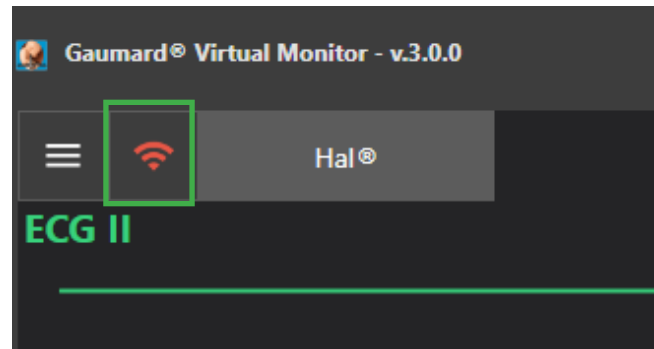
The simulator will establish a connection to the monitor automatically.



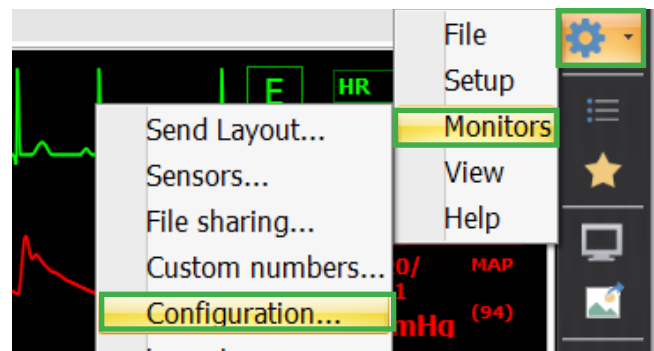
## 12. TROUBLESHOOTING

### 12.1 THE COMPUTERS DO NOT ESTABLISH WI-FI CONNECTION AUTOMATICALLY

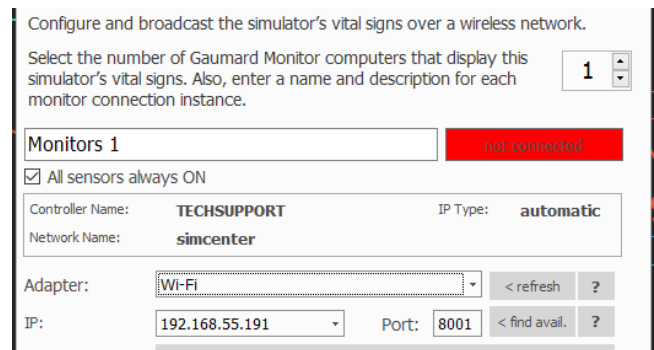
1. In Gaumard Vitals, select the Connectivity icon in the upper left side. The wireless communication window will appear.



2. In UNI, click the menu icon in the upper right corner. Select "Monitors" then "Configuration."



3. The Virtual Setup window will appear.



4. Take note of the "Controller Name" and click "Connect."

NOTE: The Controller Name in the image is an example.

Configure and broadcast the simulator's vital signs over a wireless network.

Select the number of Gaumard Monitor computers that display this simulator's vital signs. Also, enter a name and description for each monitor connection instance.

Monitors 1 not connected

☒ All sensors always ON

Controller Name: **TECHSUPPORT** IP Type: **automatic**

Network Name: **simcenter**

Adapter: **Wi-Fi** < refresh ?

IP: **192.168.55.191** Port: **8001** < find avail. ?

**Connect**

5. In Gaumard Vitals, enter the "Controller Name" or "IP Address."

Wireless Communication Setup

Simulator: Hal®

Network Status: **Not Connected**

Type: Automatic IP Port: **8001**

Controller Name: **TECHSUPPORT** Not Connected

Controller IP: Connect

6. Click "Connect" and the connection is established automatically.

Wireless Communication Setup

Simulator: Hal®

Network Status: **Not Connected**

Type: Automatic IP Port: **8001**

Controller Name: **TECHSUPPORT** Not Connected

Controller IP: **Connect**

## 13. APPENDIX

### 13.1 CONTACT TECHNICAL SUPPORT

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Before contacting Technical Support, make sure to have the following:

1. Your serial number
2. Access to the Care In Motion system for possible troubleshooting

#### Technical Support

Email: [support@gaumard.com](mailto:support@gaumard.com)

USA: 800-882-6655

INT: 01-305-971-3790

### 13.2 GENERAL INFORMATION

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#### Sales and Customer Service

E-mail: [sales@gaumard.com](mailto:sales@gaumard.com)

USA: 800-882-6655

INT: 01-305-971-3790

Fax: 305-252-0755

#### Post

Gaumard Scientific  
14700 SW 136 Street  
Miami, FL 33196-5691  
USA

#### Office Hours

Monday-Friday, 8:30am - 7:30pm EST (GMT-5)





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