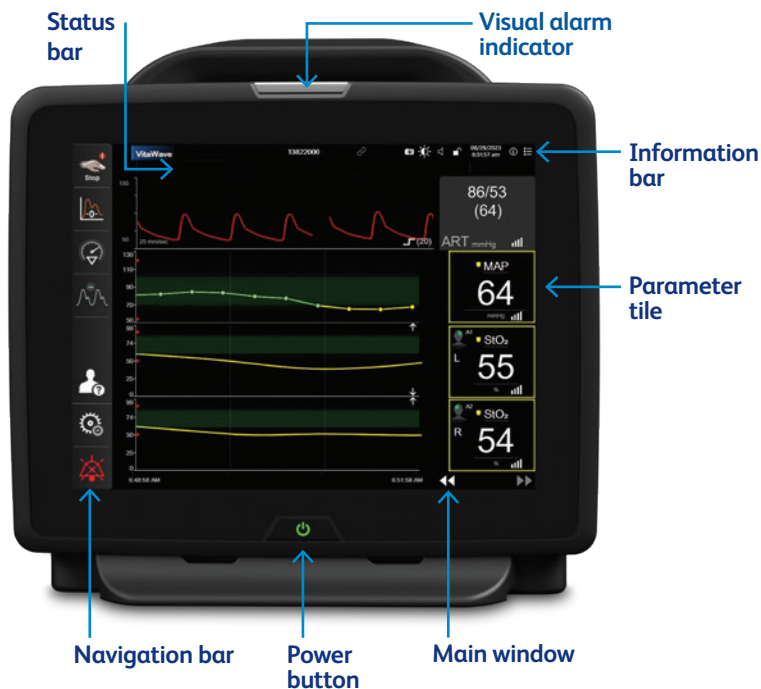
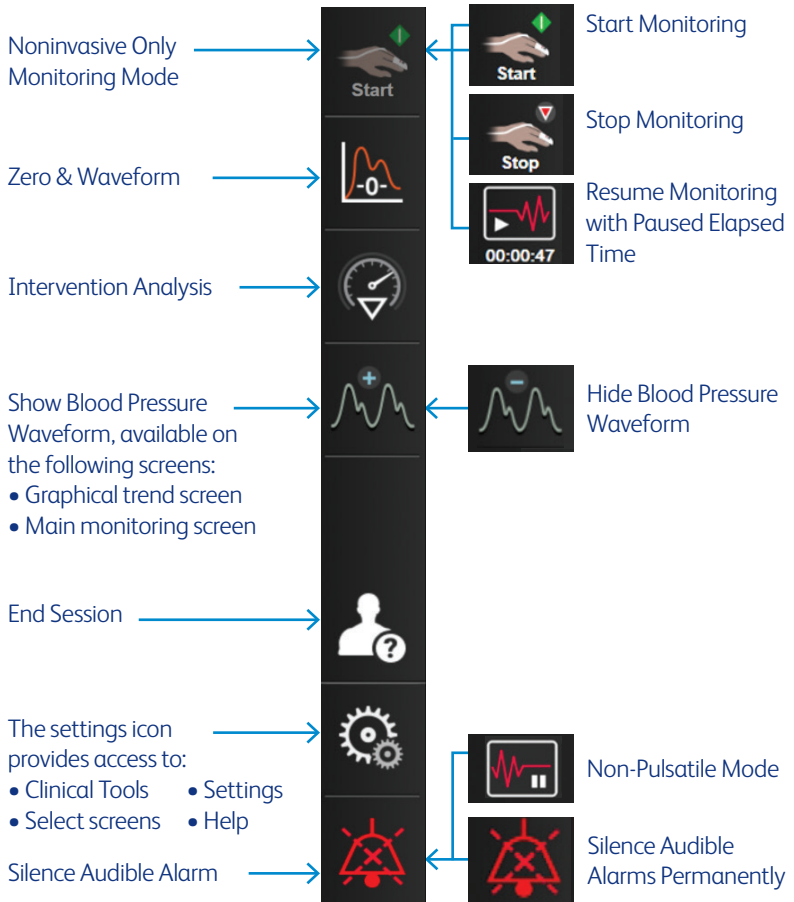


# HemoSphere Vita™ Monitor

## Setup Guide



## HemoSphere Vita™ Monitor screen features



## Information bar (located at the top of the screen)



## Clinical actions

### Changing parameters

- 1 Touch the displayed parameter label located inside the parameter tile to change it to a different parameter.
- 2 The tile configuration menu will show the selected parameter highlighted and other parameters currently being displayed outlined. Available parameters appear on the screen without highlight.
- 3 Select desired parameter to display.



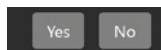
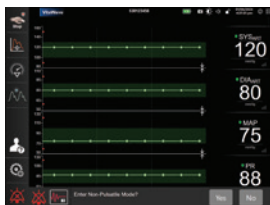
### Changing targets and alarms

- 1 Touch the parameter value on a parameter tile.
- 2 Adjust target values using arrows or select value and type in parameter target.
- 3 Select Target to disable or enable colors in target ranges.

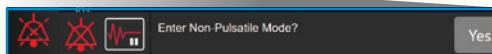
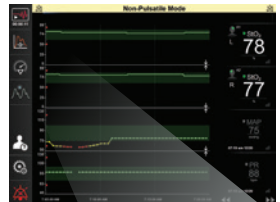


## Non-pulsatile mode

- 1 Touch the silence audible alarms icon continuously for five seconds to show additional alarm silencing options.
- 2 Touch icon to pause monitoring. A monitoring confirmation banner will appear to confirm suspension of monitoring operations. Exception- the following parameters will continue monitoring and associated alarms will remain active during non-pulsatile mode:  $\text{StO}_2$  and  $\Delta\text{ctHb}$ .
- 3 After non-pulsatile mode confirmation, a resume monitoring icon and elapsed time will appear on the navigation bar. A 'Non-Pulsatile Mode' banner will be displayed. To return to monitoring, touch resume monitoring icon.



Resume  
Monitoring



## Silence LED and audible alert for individual high and medium priority physiological parameter alarms

- 1 Select parameter to be silenced.
- 2 Click the bell icon next to 'Audible Alarms.'

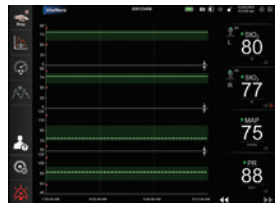


Parameter tiles with the alarm silence icon in the bottom right corner indicate LED and audible alerts are silenced until session is ended.

## Silence LED and audible alert for all parameters

- 1 Click the bell icon to 'Silence Audible Alarm.'

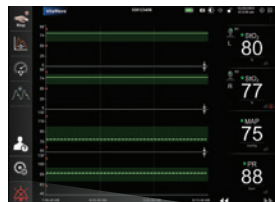
Parameter tiles with the alarm silence icon in the bottom right corner indicate LED and audible alerts are silenced until alarm silence timer ends.



## Acknowledging faults

- 1 Click the bell icon to 'Silence Audible Alarm.'

Audible alarm will disable when fault is acknowledged. LED may remain active for high severity faults. Fault text will remain on screen. Faults are silenced for the duration of the procedure or until system is retriggered.

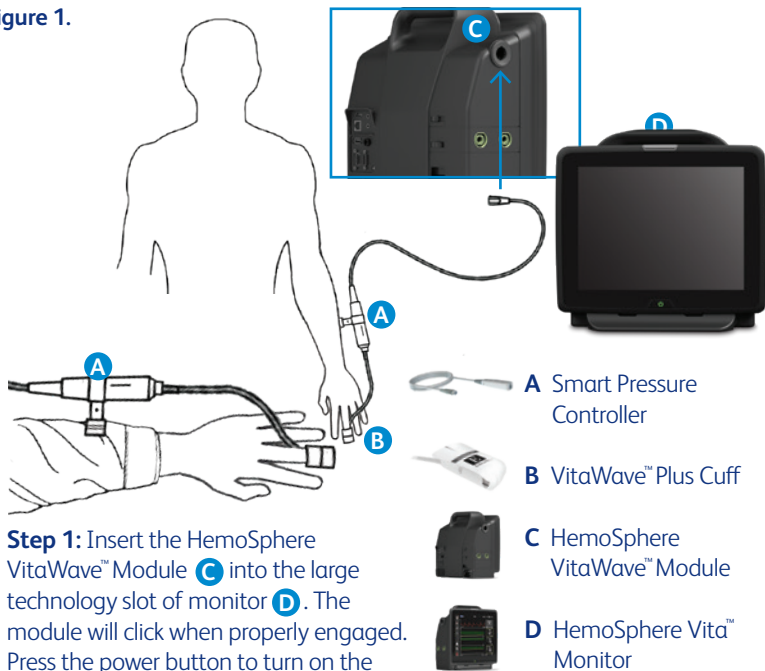




# VitaWave™ Module with VitaWave™ Plus Cuff

## Setup Guide

Figure 1.

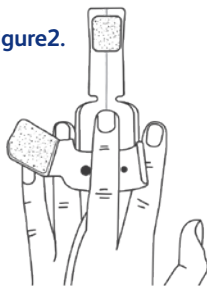


- **Step 1:** Insert the HemoSphere VitaWave™ Module **C** into the large technology slot of monitor **D**. The module will click when properly engaged. Press the power button to turn on the HemoSphere Vita™ Monitor.

- **Step 2:** Select the “new patient” button and enter patient data.  
**Note:** *Touch Skip to start monitoring without inputting the patient’s demographics.*

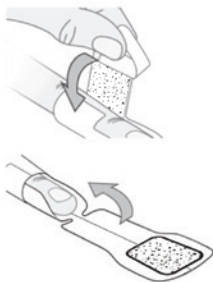
- **Step 3:** Connect the Smart Pressure Controller **A** to the HemoSphere VitaWave™ Module **C**.

- **Step 4:** Open the cuff and place the finger between the two light-emitting diodes, with the cuff centered between the second and third knuckles (Figure 2).

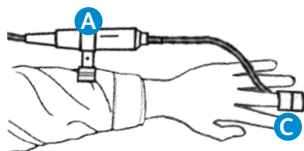
**Figure 2.**


- **Step 5:** Gently lead the cuff cable between the two fingers (Figure 2).


- **Step 6:** Wrap the cuff around the finger; do not rotate the cuff after application (Figure 3). Use hook and loop to secure around the finger. Secure the distal end of the alignment tab and secure to the top of the finger cuff.

**Figure 3.**

- **Step 7:** Connect the cuff **B** to the Smart Pressure Controller **A** (Figure 4).

**Figure 4.**


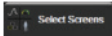
- **Step 8:** Touch the start monitoring icon  on the navigation bar or on set up help screen to begin monitoring.

- **Step 9:** Touch the home icon  to return to the main monitoring screen.




## HemoSphere Vita™ Monitoring Platform: System navigation

### System navigation

- **Step 1:** Touch the settings icon  and choose “Select Screens” tab  to select the desired monitoring screen view.
- **Step 2:** Parameter tiles are located on the right side of the monitoring screen. To change the parameter, touch the displayed parameter label. The tile configuration menu will show the selected parameter highlighted in color. Available parameters appear on the screen without highlights; touch any parameter to select the replacement parameter.



- **Step 3:** To adjust alarms/targets, touch the settings icon  → advanced setup (enter secure password) → parameter settings → alarms and targets.
- **Step 4:** If desired, HemoSphere Vita™ Monitor outputs can be connected to a bedside monitor. Refer to page 119-120 in the HemoSphere Vita™ Ops Manual for step-by-step instructions.



# ForeSight™ Tissue Oximetry System

## Setup Guide

### HemoSphere Vita™ Monitor setup

- 1 Slide the HemoSphere Vita™ Technology Module into the monitor.
- 2 Connect the ForeSight™ Oximeter Cable into the HemoSphere Vita™ Technology Module (Figure 1).

**Note:** ForeSight™ oximeter cable LED illuminates green when connected to port A, and blue when connected to port B.

- 3 Select **Continue Same Patient** or **New Patient**, enter patient data. Select corresponding patient mode.
- 4 Touch the displayed parameter label located inside of any parameter tile to select  $\text{StO}_2$  <Ch> as a key parameter.

Figure 1



### ForeSight™ Sensor setup

**Note:** Refer to the HemoSphere Vita™ Monitor Operator's Manual, Table 10-2, page 129, for sensor selection guidelines.

- 1 Open ForeSight™ Sensor packaging and inspect for damage (Figure 2).
- 2 Clean patient's skin and ensure area is dry prior to sensor application.
- 3 Remove protective liner and apply sensors.
- 4 Connect sensors to ForeSight™ Cable. Ensure each sensor is connected with a tactile click (Figure 3).

Figure 2



Figure 3



## Sensor location setup

- 1 If  $\text{StO}_2$  is not a current key parameter, touch the displayed parameter label located inside of any parameter tile to select  $\text{StO}_2$  <Ch> as a key parameter from the Select Parameter tab of the tile configuration menu, where <Ch> is the sensor channel. The channel options are A1 and A2 for HemoSphere Vita™ Technology Module port A and B1 and B2 for HemoSphere Vita™ Technology Module Port B. (Figure 4).
- 2 The channel will appear in the upper left corner of the parameter tile. Touch the patient figure (Figure 5a) to access Sensor Location tab.
- 3 Select the anatomical location of the sensor (Figure 5b).
- 4 Touch the home icon to return to the monitoring window.

Figure 4



Figure 5a

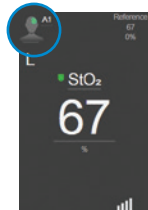
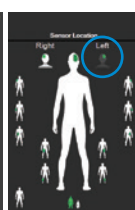
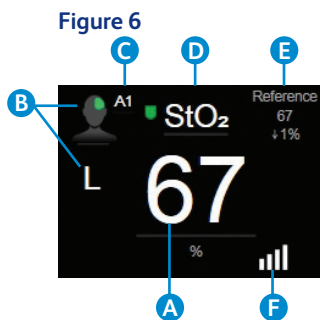


Figure 5b



## Parameter tile area (Figure 6)

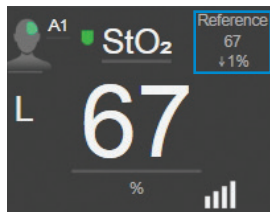
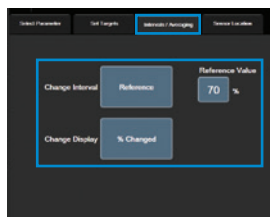
- A** **StO<sub>2</sub>** reading displays current StO<sub>2</sub>% level.
- B** **Sensor Location** displays location and side of body sensor is placed.
- C** **Channel Location** displays which channel each sensor is connected.
- D** **Parameter** displays which parameter is being monitored.
- E** **Reference Value** displays the reference value from time when menu selection is made.
- F** **Signal Quality Indicator** displays the quality of the signal.



## Display reference value

- 1 Select parameter tile, then select **Intervals/Averaging** tab (Figure 7).
- 2 Select **Change Interval** tab and select **Reference**.
- 3 Select **% Changed** or **Value Difference** in **Change Display** button.

**Figure 7**



## Skin check assessment

- 1 Select parameter tile, then select **Sensor Configuration** tab.
- 2 Select **Skin Check Reminder** button to choose a time interval between skin check notifications.
- 3 When performing skin check assessment lift the sensor to assess the skin integrity under the sensor.




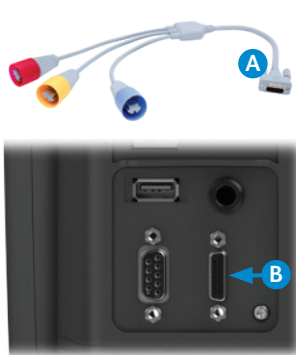
# HemoSphere Vita™ Pressure-Out Cable

## Setup Guide

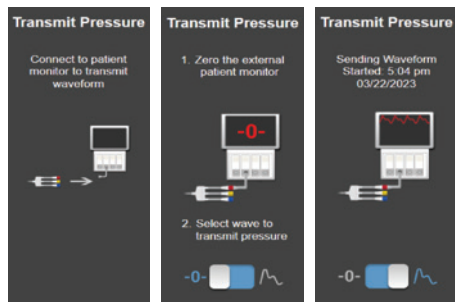
### Output signal to a bedside patient monitor


The Zero & Waveform screen provides the user with the option to send the waveform signal(s) to a patient monitor.

- **Step 1:** Touch the Zero & Waveform icon located on the navigation bar 
- **Step 2:** Plug the HemoSphere Vita™ monitor pressure-out cable **A** into the rear panel of the monitor at the pressure out port **B**
- **Step 3:** Connect the arterial pressure (red) signal plug into a compatible patient monitor
- **Step 4:** Zero patient monitor and confirm 0 mmHg is displayed on patient monitor

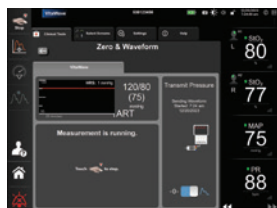


### Step 4



- **Step 5:** Toggle to the transmit waveform icon  to begin pressure signal output to the patient monitor
- **Step 6:** A “Sending Waveform” message will be displayed when the live waveform is being transmitted to the connected patient monitor

## Step 5







**CAUTION: Federal (United States) law restricts these devices to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, precautions and adverse events.**

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