

## System Components: Reusable Devices



Radius VSM



Multifunction Pod  
(if required)



NIBP Module  
(if required)

## System Components: Disposables



Arm Band  
Select size (S,M,L)



RD CS-1  
SpO<sub>2</sub> Sensor  
(Neo or Adt)



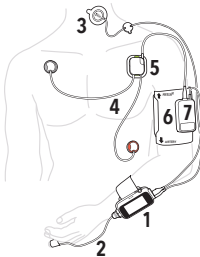
RRa<sup>®</sup> Sensor  
(if required)



ECG Electrodes  
(If required)

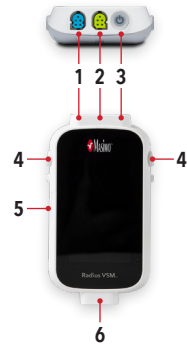


NIBP Cuff  
(If required) Select size  
(Small Ad, Ad, Large Ad)



## Device Description

- |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. Radius VSM</li> <li>2. SpO<sub>2</sub> Sensor</li> <li>3. Acoustic Sensor</li> <li>4. ECG Electrodes</li> <li>5. Multi-Functional Reusable Pod and Temperature and Position Sensor</li> <li>6. NIBP Cuff</li> <li>7. NIBP Module</li> </ol> | <ol style="list-style-type: none"> <li>1. Power Button &amp; Status Light</li> <li>2. <b>Green</b> Accessory Port: Connection for NIBP Module or MFP.</li> <li>3. <b>Blue</b> Accessory Port: Connection for rainbow acoustic monitoring<sup>®</sup> Sensor</li> <li>4. Release Buttons</li> <li>5. Speaker</li> <li>6. Patient Cable Port</li> </ol> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



## Setup Instructions

1



### On Root<sup>®</sup>:

1. Make sure **Bluetooth<sup>®</sup>** is on.
2. Fully charge Radius VSM in the lower slot of the charger.
3. Use this charged Radius VSM to monitor the patient.

2



### Attach the Radius VSM and Armband to patient's arm:

1. Place the VSM into the cradle.



2. Snap to secure.
3. Pull armband through slot in cradle.

3



### SpO<sub>2</sub> sensor:

1. Choose the SpO<sub>2</sub> sensor.
2. Attach the sensor to the finger and connect the sensor to Radius VSM.

4

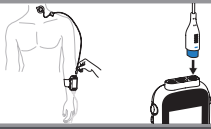


### On Root<sup>®</sup>:

1. Make sure Bluetooth is on.
2. Move the second Radius VSM to the lower part of the charger so that it can charge while the first Radius VSM is in use.
3. Confirm pleth and value are displayed on Root.

## Setup Instructions

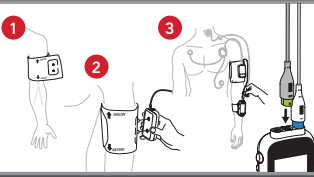
5



### (Optional) Attach Acoustic Sensor

1. Attach RRA sensor on the neck.
2. Connect the acoustic sensor's **blue** cable. Connector to the **blue** port on the Radius VSM.

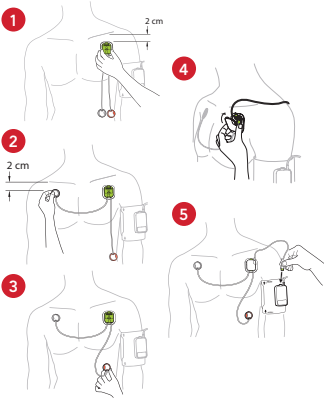
6



### (Optional) Attach NIBP Cuff and NIBP Module

1. Choose a cuff adapted to the patient size.
2. Attach the cuff on the patient arm (pay attention to orientation).
3. Position the NIBP module on the cuff (cable pointing up).  
Connect the NIBP module's **green** cable connector to the **green** port on the Radius VSM.

7



### (Optional) Attach ECG Electrodes

1. Prepare the patient's skin.
2. Attach main (left upper limb) electrode/connector base in the midline of the collarbone, approximately 2 cm below the patient's left collarbone.
3. Attach the second (right upper limb) red electrode in the midline of the collarbone, approximately 2 cm below the patient's right collarbone.
4. Attach the third (left lower limb) green electrode along the anterior axillary line (outer edge of belly), between the last rib and the pelvic bone.
5. Attach the module into the base.
6. Connect the POD module's green cable connector to the green connector of the NIBP module or directly to the green connector of Radius VSM (if no NIBP).

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### On Root:

1. Adjust alarms.
2. If connected to Patient SafetyNet™, admit patient.

Symptom	Potential Causes	Next Steps
Device does not turn on.	<ul style="list-style-type: none"> <li>&gt; Depleted battery.</li> <li>&gt; Internal failure.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Charge the battery.</li> <li>&gt; Contact Masimo Service.</li> </ul>
System failure technical alarm active (continuous speaker tone).	<ul style="list-style-type: none"> <li>&gt; Internal failure.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; To silence an alarm, press the Alarm Silence. button. If alarm continues to sound, turn off the Radius VSM.</li> <li>&gt; Contact Masimo service.</li> </ul>
Device screen is blank.	<ul style="list-style-type: none"> <li>&gt; The device is off.</li> <li>&gt; Battery may be depleted.</li> <li>&gt; Internal failure.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Turn Radius VSM off and on.</li> <li>&gt; Charge the battery.</li> <li>&gt; Contact Masimo service.</li> </ul>
Touchscreen/Buttons do not respond when pressed.	<ul style="list-style-type: none"> <li>&gt; EMI (Electro Magnetic Interference).</li> <li>&gt; Internal failure.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Relocate the device from other devices that may cause electromagnetic interference.</li> <li>&gt; Contact Masimo service.</li> </ul>
Radius VSM module does not charge.	<ul style="list-style-type: none"> <li>&gt; Charging connector makes poor connection.</li> <li>&gt; Battery damaged.</li> <li>&gt; Internal failure.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Ensure device is seated properly in charging adapter.</li> <li>&gt; Replace Radius VSM module.</li> <li>&gt; Contact Masimo service.</li> </ul>

If any of the above symptoms persist, please refer to the Operator's Manual or contact Masimo Service.

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