

Use Cases:

<b>Use Case:</b>	UC1 – Power On
<b>Primary Actors:</b>	User, OasisPro
<b>Precondition:</b>	OasisPro is off and user has device
<b>Main Success Scenario:</b>	<ol style="list-style-type: none"><li>1. User presses 'POWER' button</li><li>2. Device powers on</li></ol>
<b>Postcondition:</b>	OasisPro turns on, LED's turn on, current battery level displayed and waits for user input
<b>Extensions:</b>	<ul style="list-style-type: none"><li>- 1a. The OasisPro will not turn on without battery charge. None of the LED's will light up with a battery charge.</li></ul>

<b>Use Case:</b>	UC2 – Power Off
<b>Primary Actors:</b>	User, OasisPro
<b>Precondition:</b>	OasisPro is on and user has device
<b>Main Success Scenario:</b>	<ol style="list-style-type: none"><li>1. User presses 'POWER' button</li><li>2. LED's flash signaling power down</li><li>3. Device powers off</li></ol>
<b>Postcondition:</b>	OasisPro is powered off
<b>Extensions:</b>	<ul style="list-style-type: none"><li>- 1a. If a session is both recording and active when the 'POWER' button is pressed the session will end, be saved, and then made visible in the session display when the device is powered on again.</li></ul>

<b>Use Case:</b>	UC3 – Selecting a session
<b>Primary Actors:</b>	User, OasisPro
<b>Precondition:</b>	OasisPro is on and user has device
<b>Main Success Scenario:</b>	<ol style="list-style-type: none"> <li>1. User selects session group using 'T' button</li> <li>2. User selects session frequency using 'INT' buttons</li> <li>3. User starts therapy using 'checkmark'/Select button</li> <li>4. A connection test is run and passed</li> <li>5. Session using desired group and frequency selection begins</li> </ol>
<b>Postcondition:</b>	Therapy session using the desired group and frequency begins
<b>Extensions:</b>	<ul style="list-style-type: none"> <li>- 1a. A selected group will have a highlighted LED under the corresponding symbol. The three standard groups are 20 min, 45 min, and user designated.</li> <li>- 2a. The 'INT' buttons allow the user to cycle between the frequencies. A selected frequency will have a highlighted LED under the corresponding symbol. The options are Alpha (9-11 Hz), Delta (2.5-5 Hz), Theta (6-8 Hz), and Microcurrent Electrical Therapy (0.5-3 Hz).</li> <li>- 3a. If no selections are made and the session is started the default group is 20 mins and the default frequency is Alpha.</li> <li>- 3b. If the user has a saved intensity for the selected frequency group the intensity will be updated to match that preset.</li> <li>- 4a. If the ear clips have no connection the corresponding ear clip LEDs on the top right of the device will flash red and the session will not start. This indicates a failed connection test. Once the ear clips are connected the user can try to start the session again and attempt another connection test</li> <li>- 5a. The intensity can be adjusted once the session has started. It can be increased or decreased using the corresponding arrow buttons. By default, it starts at 1. When adjusted, the LED's will flash corresponding to the level (I.e. if the intensity is at 5, 5 LED bars will light up briefly)</li> <li>- 5b. If a session is in progress when the battery runs out of power the device will shutoff and the session will stop.</li> <li>- 5c. If the ear clips are disconnected during a session, it will pause until they are reconnected.</li> </ul>

<b>Use Case:</b>	UC4 – Recording a session
<b>Primary Actors:</b>	User, OasisPro
<b>Precondition:</b>	OasisPro is on and user has device
<b>Main Success Scenario:</b>	<ol style="list-style-type: none"> <li>1. User presses the 'Record' Button on the device</li> <li>2. User selects session group using 'T' button</li> <li>3. User selects session frequency using 'INT' buttons</li> <li>4. User starts therapy using 'checkmark'/Select button</li> <li>5. A connection test is run and passed</li> <li>6. Session using desired group and frequency selection begins</li> <li>7. Session ends and the recorded session details are displayed in the session display</li> </ol>
<b>Postcondition:</b>	Record session details are displayed and are persistent even if the device is powered off
<b>Extensions:</b>	<ul style="list-style-type: none"> <li>- 1a. The session 'Record' Button must be active at the end of the session in order to be recorded. It can however be activated during a session and still record the session so long as it is active at the end of a session</li> <li>- 2a. A selected group will have a highlighted LED under the corresponding symbol. The three standard groups are 20 min, 45 min, and user designated.</li> <li>- 3a. The 'INT' buttons allow the user to cycle between the frequencies. A selected frequency will have a highlighted LED under the corresponding symbol. The options are Alpha (9-11 Hz), Delta (2.5-5 Hz), Theta (6-8 Hz), and Microcurrent Electrical Therapy (0.5-3 Hz).</li> <li>- 3b. If the user has a saved intensity for the selected frequency group the intensity will be updated to match that preset.</li> <li>- 4a. If no selections are made and the session is started the default group is 20 mins and the default frequency is Alpha.</li> <li>- 5a. If the ear clips have no connection the corresponding ear clip LEDs on the top right of the device will flash red and the session will not start. This indicates a failed connection test. Once the ear clips are connected the user can try to start the session again and attempt another connection test</li> <li>- 6a. The intensity can be adjusted once the session has started. It can be increased or decreased using the corresponding arrow buttons. By default, it starts at 1. When adjusted, the LED's will flash corresponding to the level (i.e. if the intensity is at 5, 5 LED bars will light up briefly)</li> <li>- 6b. If a session is in progress when the battery runs out of power the device will shut off and the session will stop.</li> </ul>

	<ul style="list-style-type: none"> <li>- 6c. If the ear clips are disconnected during a session it will pause until they are reconnected.</li> <li>- 7a. If the device loses power before the session is complete the session will be recorded as is and logged in the session display. The 'Record' LED must be active prior to the device losing power.</li> </ul>
--	--

<b>Use Case:</b>	UC5 – Save an intensity
<b>Primary Actors:</b>	User, OasisPro
<b>Precondition:</b>	User is running a session
<b>Main Success Scenario:</b>	<ol style="list-style-type: none"> <li>1. User using the 'INT'/arrow buttons to adjust intensity during a session</li> <li>2. User presses 'checkmark'/Select button during a session to save intensity for that specific frequency group</li> </ol>
<b>Postcondition:</b>	User's intensity will be saved when starting session with the same frequency group
<b>Extensions:</b>	<ul style="list-style-type: none"> <li>- 2a. If the intensity is never adjusted the intensity will default to 1</li> </ul>