

## Team Project Use Case

Use Case 1	Normal Operation of Oasis Pro
Primary Actor	Device User
Pre-condition	Oasis Pro is not damaged and fully functional when removed from the box.
Success Guarantees	Transmission of electrical impulses for the designated amount of time.
Main Success Scenario	<ol style="list-style-type: none"> <li>1. Insert a 9V battery if no battery is currently installed or if an old battery needs to be replaced.</li> <li>2. Connect the ear clips to the earlobes.</li> <li>3. Turn on the Oasis Pro device.</li> <li>4. Select a session length and choose to record therapy/add to history.</li> <li>5. Adjust the intensity of the electrical output.</li> <li>6. After the session is complete, the Oasis Pro will automatically shut off.</li> </ol>
Extensions	<ol style="list-style-type: none"> <li>1.a Continue to Use Case 2 <u>Battery Installation</u>.</li> <li>2.a To ensure electrodes are placed correctly. Continue to Use Case 3 <u>Placement of Electrodes</u>.</li> <li>3.a For turning the Oasis Pro on or off. Continue to Use Case 4 <u>Turn On/Turn Off</u>.</li> <li>4.a Instructions on how to select a session. Continue to Use Case 5 <u>Selecting a Session</u>.</li> <li>5.a Instructions on how to adjust the intensity. Continue to Use Case 6 <u>Adjusting Intensity</u>.</li> </ol>
Related Information	<ul style="list-style-type: none"> <li>- During the use of the Oasis Pro, the Battery will deplete.</li> <li>- The battery is getting low when the graph displays two bars and blinks. It is recommended that the battery be replaced before running a session.</li> <li>- The battery is critically low when a single blinking bar appears. If the warning occurs during a session, the unit will end the session early. If the warning is displayed during powering on the device, then replace the battery immediately. Return to Use Case 2 <u>Battery Installation</u>.</li> </ul>

<b>Use Case 2</b>	<b>Battery Installation</b>
Primary Actor	Device User
Pre-condition	Oasis Pro is not damaged and fully functional when removed from the box.
Success guarantees	The correct installation of a battery within the Oasis Pro device.
Main success scenario	<ol style="list-style-type: none"> <li>1. Slide the cover off the battery compartment on the back of the unit.</li> <li>2. Insert a 9V battery, as indicated on the diagram in the battery compartment.</li> <li>3. Slide the cover back into place.</li> </ol>
Extensions	2.a An alkaline 9V battery will provide approximately 25-30 hours of operation.

<b>Use Case 3</b>	<b>Placement of Electrodes</b>
Primary Actor	Device User
Pre-condition	Oasis Pro is fully functional and charged. Stimulus cable is not damaged.
Success guarantees	Oasis Pro ready to commence a session.
Main success scenario	<ol style="list-style-type: none"> <li>1. Remove glasses, earrings or any objects that may interfere with the ear clips.</li> <li>2. Plug in the stimulus cable into the CES output jack.</li> <li>3. For better electrical connection, wet the earlobe using tap water, saliva or a small amount of conductive gel before attaching the ear clips.</li> <li>4. Attach the black clip to the left ear and the red clip to the right ear.</li> </ol>

<b>Use Case 4</b>	<b>Turn On/Turn Off</b>
Primary Actor	Patient, Nurse
Pre-condition	Oasis Pro is fully functional.
Success guarantees	Oasis Pro is powered on and can be navigated.
Main success scenario	<ol style="list-style-type: none"> <li>1. Press and hold the power button until the power LED turns on or off.</li> </ol>
Related Information	<ul style="list-style-type: none"> <li>- If no session is selected within two minutes of powering on, the Oasis Pro will turn off.</li> </ul>

<b>Use Case 5</b>	<b>Selecting a Session</b>
Primary Actor	Device User
Pre-condition	Oasis Pro is fully functional and powered on.
Success guarantees	Oasis Pro has started the therapy session.
Main success scenario	<ol style="list-style-type: none"> <li>1. Press and release the power button to switch between session groups (20 minutes, 45 minutes, or user designed)</li> <li>2. Press the INT up or down arrows to highlight a session number.</li> <li>3. Press the select button to start the highlighted session and the session will begin after a five second delay.</li> </ol>
Extensions	3.a1 A connection test will run before the session commences. If the connection test returns a blinking 7 or 8 on the graph, return to Use Case 3 <u>Placement of Electrodes</u> .

<b>Use Case 6</b>	<b>Adjusting the Intensity</b>
Primary Actor	Device User
Pre-condition	Oasis Pro currently running a session.
Success guarantees	The intensity has increased or decreased to the desired level.
Main success scenario	1.To increase the intensity of the stimulus press the INT Up arrow.
Extensions	1.a To decrease the intensity of the stimulus press the INT Down arrow.
Related Information	- The graph lights 1 to 8 will show an approximate intensity level