

USE CASES

Use Case 1: Main Use:

Primary Actor: User

Stakeholders and Interests:

User: Wants to run a therapy session

Oasis Pro Device: Wants to run therapy session for the user

Precondition: User has Oasis Pro Device

Success guarantee: User runs a therapy session

Main success scenario:

1. Connect battery to Oasis Pro Device
 - a. See Insert Battery use case
2. Connect electrodes to the user
 - a. See Placement of Electrodes Use Case
3. Turn on device
 - a. See Turn on/off Use Case
4. Select "Session Select" in menu
5. Select a session
 - a. See Select a Session Use Case
6. Confirm a good connection
 - a. See Connection Test
7. The session continues until done
8. Device turns off
 - a. See Turn On/Off use case

Extensions:

- 7a. User adjusts session intensity
 - 6a1. See Adjusting Intensity Use Case
- 7b. Connection becomes poor during session
 - 6b1. Session pauses and user must improve connection
 - 6b2. See Connection Test use case

Related Information:

None

Use Case 2: Insert Battery

Primary Actors: User

Stakeholders and Interests:

User: Wants to put a battery in the device

Precondition: There is no battery in the device

Success guarantee: A battery with charge is inserted

Main success scenario:

1. The device has a 9-volt alkaline or rechargeable battery inserted in the battery compartment area, as specified on the diagram in the battery compartment area.

Extensions:

1a. The battery in the device is not available or is not positioned according to diagram

1a1. The user should confirm that the battery is in the device.

1b1. The user should verify that the battery is positioned according to the diagram in the battery compartment area.

2a. Device does not power on

2a1. The user must replace or recharge the battery

Related Information:

None

Use Case 3: Turn On/Off

Primary Actor: User

Stakeholders and Interests:

User: Wants to turn device on or off

Device: Wants to satisfy users unending demands

Precondition: The device's Battery contains a stable amount of charge

Success guarantee: Device is powered On/Off

Main success scenario:

1. User presses and hold power button
2. Device powers on
3. Device power button lights up
4. Battery is displayed on graph
5. Menu is displayed on interface

Extensions:

- 1a. Device is on and power off signal sent from device
 - 1a1. All lights on device turn off
 - 1a2. Power button turns off
 - 1a3. Device powers off
- 2a. Device is already on
 - 2a1. Proceed to 1a1.

Related Information:

None

Use Case 4: Placement of Electrodes

Primary Actor: User

Stakeholders and Interests:

User: Wants to use the Oasis Pro Device

Oasis Pro Device: Wants user to safely apply the electrodes

Precondition: The unit is turned on

Success guarantee: Electrodes are connected to the user's earlobes

Main success scenario:

1. The user removes jewellery from the ears
2. The user wets earlobes
3. The user attaches electrode clips to the ears
 - a. Black to left
 - b. Red to right
4. Connect the ear clip cable to the device

Extensions:

None

Related Information:

None

Use Case 5: Connection Test

Primary Actors: Oasis Pro Device, User

Stakeholders and Interests:

Oasis Pro Device: Wants to receive quality treatment

User: Wants to ensure electrodes are connected properly

Precondition: A session is selected

Success guarantee: Electrodes are properly connected and Session has begun

Main success scenario:

1. After selecting a session user must confirm a decent connection
2. The power graph shows the level of the connection.
 - a. Varies between Poor, Okay, and Excellent
3. User presses confirm button to enter the session

Extensions:

3a. Connection is poor

3a1. Device will stay in connection test

3a2. See Electrode Placement use case to improve connection

3b. User holds confirm button

3b1. Session is recorded

3b2. See Record Session use case

Related Information:

None

Use Case 6: Selecting a Session

Primary Actor: User

Stakeholders and Interests:

User: Wants to run a session

Oasis Pro Device: Wants to run session for user

Precondition: The device is powered on and session select was chosen in menu

Success guarantee: A session is selected and begun

Main success scenario:

1. The user can select one of the 4 standard session groups (20-minute, 45-minute, 3-hour, and user-designed)
 - a. Navigated by press of power button
2. Each group offers up to 8 sessions types, the session number indicated by the lit number
 - a. Navigated by up and down buttons
3. The user will press and release the power button to switch between session groups
4. The lit group icon changes as the selected group changes
5. The user uses INT buttons to highlight a session number
6. The frequency and mode icons associated with the highlighted session are lit
7. The select button is pressed on the desired session
8. The session number flashes and the session begins after a 5-second delay

Extensions:

2a. Group type is user sessions

2a1. Will navigate between user defined sessions.

2a2. Will display nothing if no sessions are present

Related Information:

None

Use Case 7: Ending a Session

Primary Actor: Oasis Pro Device

Stakeholders and Interests:

User: Wants to complete session

Device: Wants to end session and finalise data

Precondition: A session is running.

Success guarantee: The device safely powers off.

Main success scenario:

1. The session reaches its duration
2. Session gets recorded
3. Soft Off™ begins
4. Intensity lowers slowly till it's eventually 0.
 - a. Graph shows intensity as it decreases
5. The device powers off.
 - a. See Turn On/Off use case

Extensions:

- 1a. User presses the power button to end the session early.
 - 1a1. The Soft Off™ process begins. Return to step 2.
- 2a. Session recording turned off for current session
 - 2a1. Skip step 2 and go to 3

Related Information:

1. Soft Off™ gradually reduces the CES stimulation until it stops.

Use Case 8: Battery Level/Out of Battery

Primary Actor: Oasis Pro Device

Stakeholders and Interests:

User: Wants to know the battery state of the device

Oasis Pro Device: Wants to notify user of battery level

Precondition: The device is turned on

Success guarantee: The device lets the user know what the battery level is.

Main success scenario:

1. Battery level is displayed on the graph
2. Battery level is constantly monitored and periodically displayed during session runtime

Extensions:

1a. Device does not power on

1a1. The user must replace the battery.

1a1x. (See Inserting Battery use case)

2a. Battery level low.

2a1. The graph displays two bars

2b. Battery level critically low

2b1. The graph displays a single blinking bar.

2b2. The user must replace/recharge the battery.

Related Information:

1. When the device is showing a low battery warning it is recommended that the battery be replaced/recharged before running a session.
2. When the device is showing the critically low battery warning the battery must be replaced/recharged before the unit can be used again.

Use Case 9: Adjusting Intensity

Primary Actor: User

Stakeholders and Interests:

User: Wants to change intensity

Oasis Pro Device: Wants to change intensity

Precondition: A session is in progress

Success guarantee: The intensity of the current session is changed.

Main success scenario:

1. User presses the INT up button and increases the intensity.
2. The device graph lights update the approximate intensity.
3. Repeat step one until the user gets to desired intensity.

Extensions:

1a. User presses the INT down button

1a1. Intensity decreases

1a2. Return to step 2.

Related Information:

1. Users should set intensity so that it can barely be felt, any higher may cause skin irritation.
2. A higher intensity will not give better results.

Use Case 10: Record Session

Primary Actor: User

Stakeholders and Interests:

User: Wants to record the information of a therapy session

Oasis Pro Device: Wants to allow for session recording

Precondition: In connection test

Success guarantee: Session information is recorded

Main success scenario:

1. User presses and holds the select button for one second
2. The session begins with recording turned on

Extensions:

None

Related Information:

None

Use Case 11: View Recorded Session

Primary Actor: User

Stakeholders and Interests:

User: Wants to view recorded session

Oasis Pro Device: Wants to display session information

Precondition: At Menu

Success guarantee: Session records are displayed

Main success scenario:

1. User selects "View Records" from menu
2. Device loads records from database
3. Records are displayed

Extensions:

None

Related Information:

None