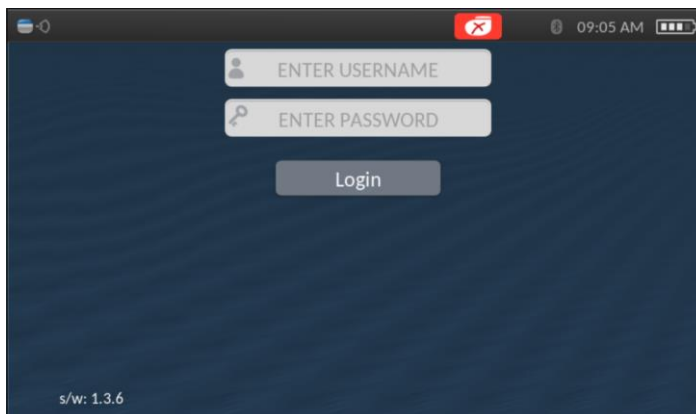


Workshop
45 min

OBJECTIVE: Training on therapy programming fundamentals, during the initial therapy programming session for a new patient.

- 1) Switch ON the CP, verify CP battery charge  and login using your credentials.



ENTER USERNAME

ENTER PASSWORD

Login

s/w: 1.3.6

- 2) On the PATIENT LIST SCREEN, tap on icon  to create a new patient record. Enter required information (names and birth date), then tap on **PROCEED** button.



GENERAL

*First Name Height[in/cm]

Middle Name Weight[Lbs/Kg]

*Last Name Patient ID #

*Date of Birth DD MM YYYY Gender ☐ ♀ ☐ ♂

ADDRESS

Address 1



Address 2

City State Postal Code

BACK PROCEED

- 3) The IMPLANTS SCREEN is displayed with the patient name visible in the top status bar. The navigation bar on the bottom shows your overall progress within the process of setting the therapy parameters for the selected patient.



- 4) Tap on add stimulator icon  and follow instructions to assign a Stimulator to the patient. The icon on the top left side of the status bar  displays to indicate that the CP is connected to the Stimulator.


An icon showing the battery status of the Stimulator (IPG) is also displayed .

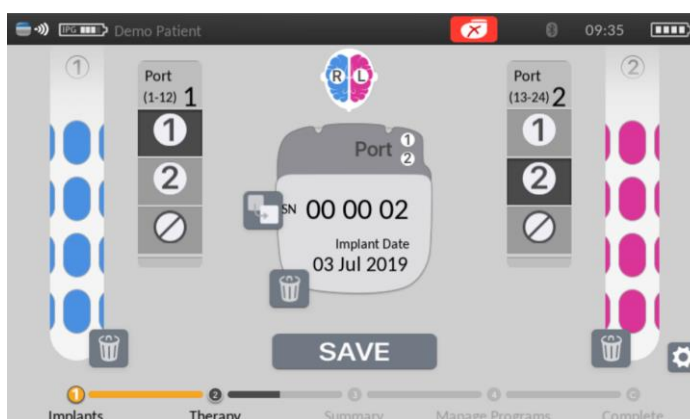
5) Set the Stimulator (IPG) implant date then tap save and confirm.



Note: Use this step to verify that the current date setting is correct.

6) Tap on the  icon to add the leads for each (Left/Right) hemisphere.

- Connect Right hemisphere lead (Blue) to Port 1.
- Connect Left hemisphere lead (Magenta) to Port 2, and press .




Note: Following color code for the hemispheres applies : Right = Blue/ Magenta = left.

7) The Implants definition process is completed. To access the THERAPY SCREEN:




- Tap on the button  or Therapy text on the navigation bar.




8) On the Right hemisphere  set the following stimulation parameters:

- Add electrodes n°4, n°5 and n°6.
- Set the current amplitude to 1.0 mA per electrode (3.0 mA total).
 - **Note:** Available increase/decrease steps for amplitude adjustment are 0.1mA, 0.2mA and 0.3mA.

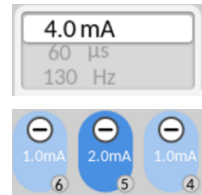


9) Tap on  to start the Test stimulation, and select on which hemisphere(s) the stimulation is started ("Right only" / "Both") by pressing  or .


Note: "Left only" test stimulation option is disabled on Right hemisphere therapy screen.

10) On the Right hemisphere  set the following stimulation parameters:

- Disable amplitude adjustment on electrodes n°4 and n°6
 - **Note:** Tap on an electrode icon with the mA indication to disable the amplitude adjustment on it.
- Increase current amplitude on electrode n°5 to 2.0 mA (4.0 mA total).



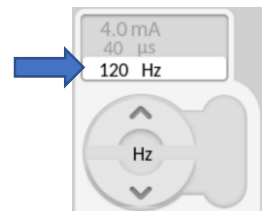
11) In the central widget:




- Select pulse width adjustment
- Set adjustment option to “Both hemisphere”  (default setting).
- Change the pulse width from 60 µs to 40 µs for both hemispheres.







12) In the central widget:

- Select program frequency adjustment
- Change the frequency from 130Hz to 120Hz.




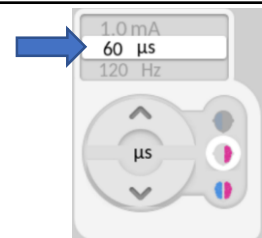
13) Tap again on the blinking icon , then tap on the stimulating hemisphere icon previously selected ( or ) to stop the Test stimulation.



14) Tap on  to access the Left hemisphere  and set the following parameters:

- Add electrode n° 17 and set the amplitude to 0.1 mA.
- Tap on  and start Test stimulation on  “left-only” hemisphere.
- Increment current amplitude on electrode n°17 to 1.0 mA.

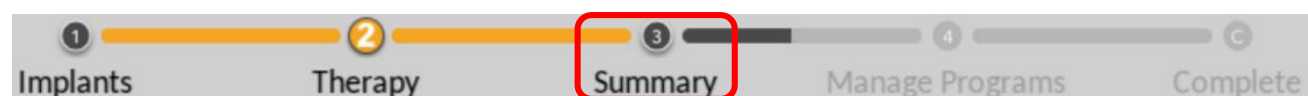
15) In the central widget:

- Select pulse width adjustment
- Set adjustment option to “Left-Only” .
- Change the pulse width from 40 µs to 60 µs for left hemisphere.

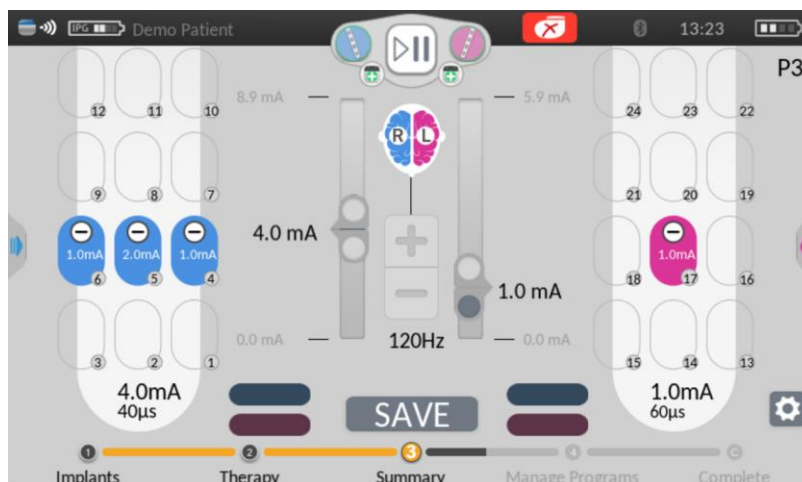


16) Tap on the blinking icon , then tap on  to stop the Test stimulation.



17) The Therapy definition process is completed. To access the SUMMARY SCREEN and review your therapy settings, tap on **3** or Summary text on the navigation bar.







18) Verify that the stimulation parameters are corresponding to what you configured.



Note: Stimulation frequency is always the same on both hemispheres.

19) Tap on icons  and  to access the Right and Left Lead control panels :

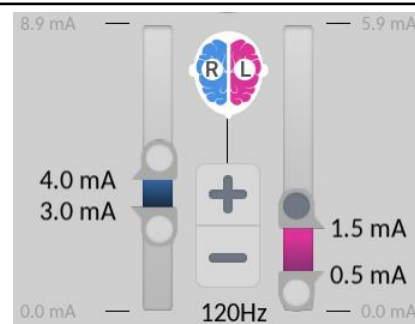
- Run an impedance check on the active electrodes () of the right lead: press , then identify the impedance results.
- Run an impedance check on the active electrodes () of the right lead: press , then identify the impedance results.




20) Set the Patient Amplitude Adjustment ranges for each hemisphere sub-program:

- Set Lower limit to 3.0mA for Right subprogram.
- Set range from 0.5 mA to 1.5 mA on Left sub-program.

Note: The patient is allowed, using his PPC, to adjust the Stimulation amplitude within the defined range.

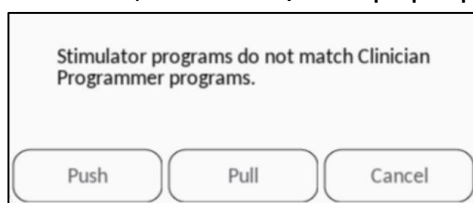


21) Press  and select slot P1 to save the current therapy configuration to Program n°1.

Note: When saving a program, the CP transitions to the MANAGE PROGRAMS SCREEN.



22) On the MANAGE PROGRAMS SCREEN, the Push / Pull pop-up is displayed:




Press **Push** then **Accept** to copy and store the CP program(s) on the Stimulator (IPG).



23) Press **START** below the program to start Patient stimulation.

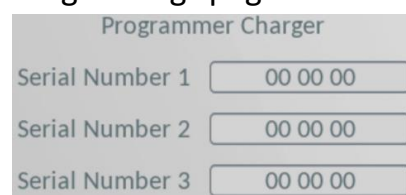
(Start button changes to **STOP** and the green dot indicates stimulation is running).


24) Verify that pressing  (on CP casing or on CP screen) stops the Patient stimulation.

25) Next to the icon , press on **ADD** to access the PPC pairing settings page.

Enter the serial number of the Patient Programmer Charger (PPC) then press on **PAIR** to pair the PPC with the IPG.


Note: You can pair up to 3x PPC's for a single IPG.



26) Finally, press **BACK** and verify the following icon displays .

Verify that the navigation bar indicates that the patient programming is complete.



27) Press on «Home» button  on the Clinician Programmer casing to return to the PATIENT LIST SCREEN.

(Reference: [PR-12200 directSTIM DBS System Clinician Programming Manual](#))

END