

Workshop
30 min

OBJECTIVE: Training on how to pair a Stimulator with a Patient Programmer and Charger (PPC) and how to use the PPC features.



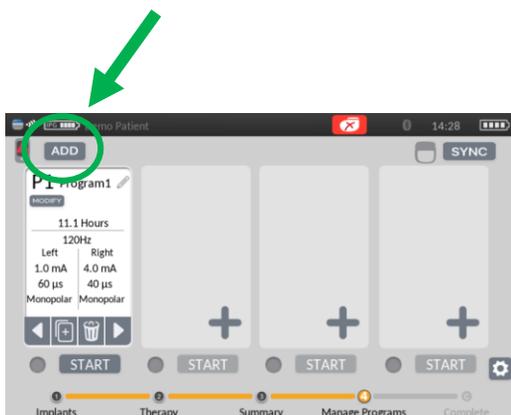
Read the **Important Safety Information** found in [chapter 2](#) of the Patient Manual:
 • [PR-12300 directSTIM DBS System Patient System Manual](#).

Pairing the IPG with the PPC using a Clinician Programmer

- 1) Switch on the Clinician Programmer and login using your credentials.
- 2) Select or create a patient in the PATIENT LIST SCREEN. The patient shall have a program P1 saved configured with ranges allowing the patient to modify the stimulation amplitude.



- 3) In the MANAGE PROGRAMS SCREEN, tap the **ADD** button on the top left of the CP screen to pair the Stimulator with one (up to three) PPC. You now see this screen:

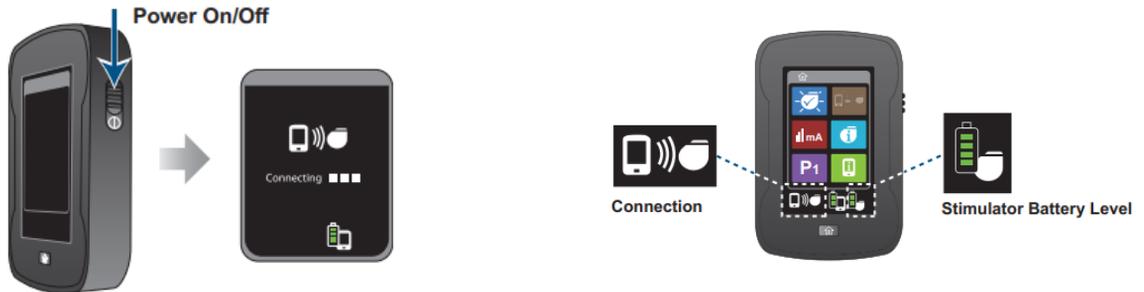


Enter the serial number of the PPC in the first slot and then press **PAIR** then Accept.

Note: An IPG can be paired with up to 3 PPC at the same time. The PPC serial number is located on the back label of the PPC.

- 4) In the MANAGE PROGRAMS SCREEN, the icon **1** on the top left of the screen indicates the number of PPC's paired with the connected Stimulator.

5) Switch ON the PPC, verify that it connects to the IPG  and check the status of the PPC battery  and of the IPG battery .



Adjusting the stimulation amplitude using the PPC

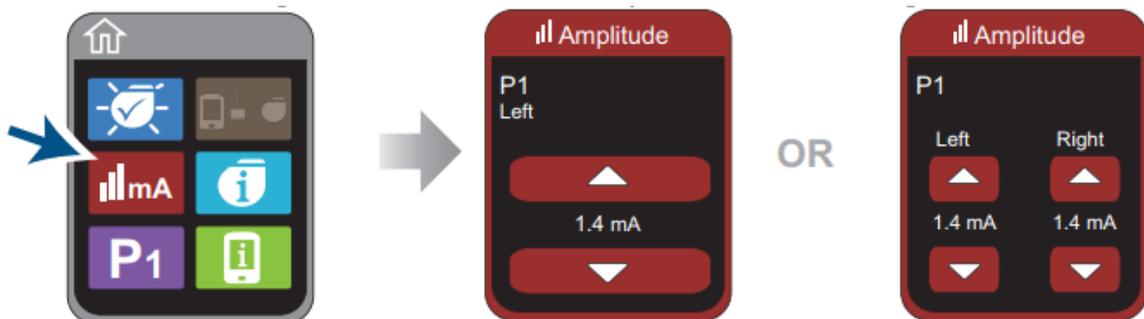
6) Start stimulation by tapping , then on . Press  to return to the home screen.

Note: The icon  indicates that the stimulation is on.

7) Select Program 1 if a different program is used by the patient (tap on  then 1) Press  to return to the home screen.

Note: The icon  indicates that the Program 1 is selected.

8) Change the amplitude of the stimulation pressing on 



9) Press Quick Stimulation Off button to stop the stimulation.



Charging the IPG

10) To charge the IPG battery, connect the charging paddle to the PPC. The charging icon  is then enabled and charging function becomes available. Tap the charging icon and follow the instructions:

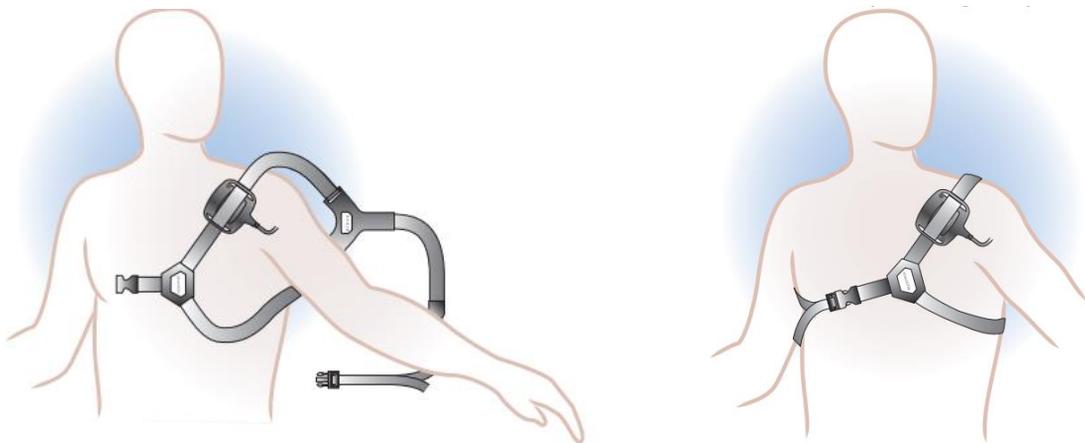


Note: The charging starts when the user taps OK or when the strength bar has ≥ 4 bars.

Note: Once charging started, the PPC will **interrupt charging** when paddle is out of alignment /**resume charging automatically** when paddle is back in alignment.

Note: The patient should not let the IPG battery level reach **less than 10%** of its capacity.

11) Train the patient on how to wear the **adjustable harness** to facilitate the charging process.



12) If the Patient Programmer Charger Battery Level icon displays , instruct the patient to perform the following steps:

1. Unplug the Power Cord.
2. Ensure the PPC is not covered by a blanket or anything preventing it from cooling.
3. Allow the PPC to cool down completely.
4. Reconnect the Power Cord.
5. If the high temperature indication persists, and you can only use your PPC with its Power Cord connected, contact Aleva Customer Service.

Refer to the high temperature help guideline on **page 92 of the Patient System Manual**.

Bringing the stimulator out of storage mode

13) The PPC is used to bring the stimulator out of storage mode. To do so, turn ON the PPC. As the stimulator is in storage mode the PPC cannot communicate with it. Tap **Cancel** when the Notification screen is displayed.



14) Connect the Charging Paddle to the PPC and tap , which becomes available. Position the Charging Paddle over the stimulator battery and start charging. After **5-10 seconds**, the stimulator is out of storage mode and the PPC can connect to the IPG.



Note: Tapping the home button disconnects the PPC from an unpaired stimulator.

Pairing a New Patient Programmer Charger

15) In the case the patient receives a replacement PPC, he may need to pair it with its stimulator. Refer to the detailed procedure in the **Patient System Manual** (p. 75-77).

Using the Magnet to turn the stimulation off

16) In the case the patient is allowed to have a **magnet** at home, instruct him on the usage of the magnet. Refer to the CLI-12028 Quick Stimulation Off (QSO).

Patient Programmer Settings

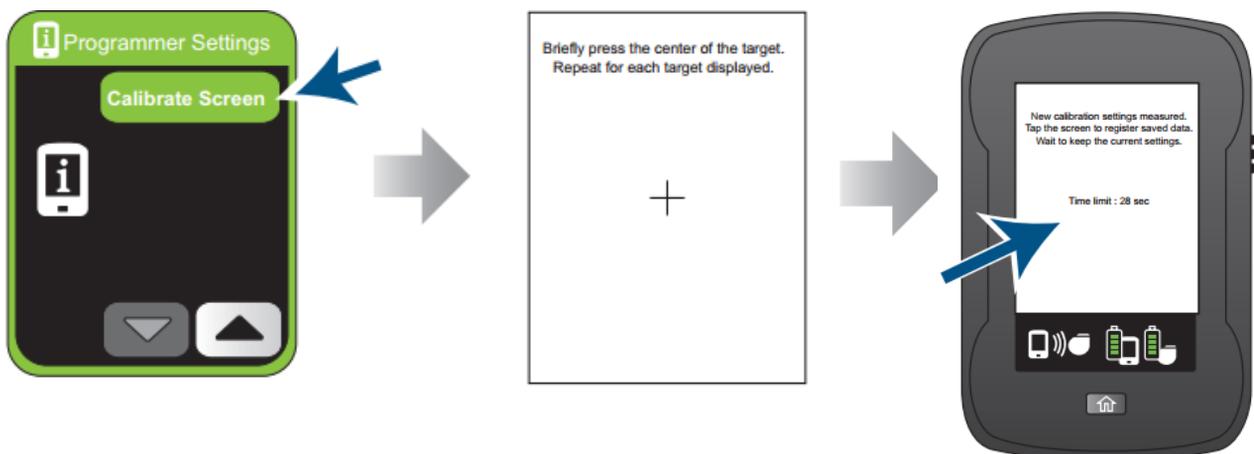
17) To access the Patient Programmer Charger Settings, tap on . You have now access to different settings:

- Date and Time
- Date/Time format
- Notification Beep Volume
- Screen Brightness
- Button Click On or Off
- Calibration of the Touch Screen (**see below**)
- PPC Information (Software version, External ID, MICS ID)



18) In the case where an incorrect screen displays when tapping a button or if it is difficult to center the alignment icon while charging the stimulator, you may want to calibrate the touch screen.

Access the Programmer Settings and scroll down to the last settings **Calibrate Screen**.

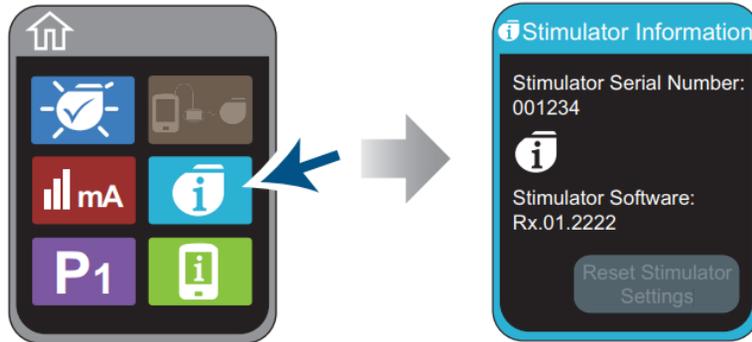


Note: Stimulation must be off to calibrate the touch screen because the QSO button is not available while calibrating.

Note: The Calibration Screen button is grayed out and not available when the stimulator is charging.

Stimulator Information

19) The Stimulator Information screen displays your stimulator serial number and software version information.



Resetting Stimulation Settings

20) In the case the patient is allowed to adjust the stimulation amplitude of his Program, he may want to reset the stimulation settings to what was set by the doctor.

To do that, turn the stimulation OFF and then tap  then **Reset Stimulator Settings**.



Note: The **Reset Stimulator Settings** icon is grayed out and not available when the stimulation is on.

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

(Reference: PR-12300 directSTIM DBS System Patient System Manual)

END