DBS PATIENT PROGRAMMER TIP CARDS

FOR PERCEPT™ PC DEVICE

DBS Perpect Patient Programmer Kit
TH91D02 and TH91D03 (UK) Communicator
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Pairing is an activity performed upon device setup, and creates an association between the handset and communicator. The USER INTERFACE walks the user through the pairing process and assists the user with selecting the intended Communicator device.

This is done with a communicator selection screen, an animation, and a communicator confirmation screen. If the TM91 is chosen, pairing confirmation can be performed using the phone’s camera, or by manually confirming the serial number as a backup.
Linking is a similar process to pairing, during which the handset will become associated with a patient’s INS(s). If a new INS is introduced to the system, whether it be a replacement or the addition of a second laterality, all existing links must first be removed in the My Links tab of the Main Menu. The new INS and existing INS (if applicable) can then be linked to the handset.

Note: You will need your communicator held over your neurostimulator for this.
CONNECTING
Every time you connect to your neurostimulator, you must use two devices:
- **Handset** – the device with a screen that has the DBS application.
- **Communicator** – the smaller, blue and white device.

To view your therapy, follow the steps in the order listed:
*Note: Setup has already been performed.*

1. Turn on the communicator and handset. Check that they are charged. The TM91 will remain on in an energy efficient **Sleep Mode** as long as it is plugged in or has >20% battery.

2. Tap the OPEN button of the DBS Therapy Application on the handset.

3. When using the TM91, keep the communicator within 1m of the neurostimulator and select the applicable laterality if applicable.
4. Keep the communicator over the neurostimulator and tap the CONNECT button on the handset.

5. When the DBS Therapy app is open and connected to the neurostimulator, the HOME screen will be visible.

Note: Home screen may differ depending on INS model and setting configuration.
**HOME SCREEN**

1. **Menu button (≡)** – Tap to access additional app features.

2. **OTHER DEVICE** button – Tap to switch neurostimulators (only shows if you have two neurostimulators). If using a Percept™ PC neurostimulator, the custom name of the other device will be shown – if a Device Name is configured.

3. **My Battery** icon – Your neurostimulator battery status. Tap to view your detailed battery status.

4. **My Therapy OFF** button – Tap to turn your therapy off. You will need to hold your communicator over your neurostimulator. If using TM91, this requirement can be disabled by clinician.

5. **EVENTS** button - Tap to record a patient event. (only present on Percept PC, if configured by clinician)

6. **THERAPY** button – Tap to view or adjust your therapy.

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*In order to change therapy or otherwise communicate with the implant, the TM91 must be within 1m of the implant.*
BATTERY SCREEN

The **BATTERY** screen shows the status of three different batteries:

- **My Battery** – the battery level of the neurostimulator, the device implanted in your body. The provided info may differ depending on the type of INS implanted.

- If you have two neurostimulators implanted, you can view the battery level of the other device by switching to the other device (Choose the **Other Device** button from either the Home screen or Therapy screen).

- **Communicator Battery** – the battery level of the communicator, the device that you hold over your neurostimulator.

- **Handset Battery** – the battery level of the handset, the device that runs the DBS app.

THERAPY SCREEN

**NOTE:** Your **THERAPY** screen may not look exactly as shown. It depends on your settings, and does not mean anything is wrong.
CHARGING
The USB charging cable and AC adaptor are included in the handset package.
- For best results, charge the communicator overnight, so it is fully charged and ready for use at the beginning of the day.
- Charge the communicator at least every 6 months, even if it is not in use, to ensure the battery maintains power. After this time, the communicator will need to be replaced.

BATTERY STATUS LIGHT - TM91
- If the Green light is ON:
  - The battery is ≥20%
- If the Green light is BLINKING:
  - The battery is charging (turns solid green when full)
- If the Green light is PULSING EVERY 10s:
  - The device is in Sleep Mode and battery is >20%
  - Note: After ~15 minutes, the lights will turn off to further conserve energy, but the TM91 is still ready for a connection attempt
- If the Yellow light is BLINKING:
  - The battery is <20% (not yet depleted)
- If the light gives a RAPID FLASH of Yellow and turns off:
  - The battery is depleted
- When received from manufacturing, an Orange light will show when the button is pressed, then turn back off. This is shipping mode, and will go away as soon as the TM91 is plugged in.

CLEANING
- Clean the communicator with a damp cloth or sponge. Mild household or medical cleaners will not damage the device.
- The communicator is not waterproof. Do not allow moisture to get inside of the device.
# Battery Status Explanations

**PERCEPT™ PC Neurostimulator**

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<th>Battery State</th>
<th>Description And Required Action</th>
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<tr>
<td><strong>Battery Level:</strong> Percentage (e.g., 75%)</td>
<td>Remaining Battery Life reported as a percentage.</td>
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<tr>
<td><strong>Estimated Battery Life Remaining</strong></td>
<td>This longevity estimate is based on the stimulator’s use over the last 7 days. The estimated service time remaining will be reported until 3 months (ERI) is reached.</td>
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| **ERI (elective replacement indicator)** | The neurostimulator is nearing the end of its service life and needs to be replaced. ERI will be displayed until the neurostimulator reaches EOS.  
This notification appears 3 months prior to EOS, as calculated by the Estimated Battery Life Remaining. |
| **End of Service (EOS)**            | The neurostimulator needs to be replaced.  
The neurostimulator has reached the end of its service life and is no longer delivering stimulation.                                                                         |
Communication
Data is transmitted to the Model TM91 Communicator via the Mobile Platform’s Bluetooth radio. The Communicator then transfers the data to the Percept™ PC neurostimulator using Medtronic proprietary Telemetry-M technology.

Updates
Software and System updates are managed by the Mobile Device Management System (AirWatch™) but must be installed locally by an end user. Updates are not automatically installed behind the scenes so that the system will not interrupt a user who is actively using the system. Notifications will be made when system updates are available and the patient, caregiver or clinician can install application and system updates at the earliest convenient opportunity.
CONNECTING TO WIFI

Connecting the Handset to local wifi allows the user to receive important updates and access helpful online content. The wifi will be turned on by default. Step 2 in the process below will only be necessary if the wifi has previously been turned off.

**Step 1**
Tap the Settings icon.

**Step 2**
Toggle the WiFi switch on.

**Step 3**
Tap on your network of choice.

**Step 4**
Enter the appropriate password to join the network. Tap “Connect” to join the chosen Wi-Fi network. Press the Home button to return to the Home screen.
Brief Statement

See the device manual for detailed information regarding the instructions for use, indications, contraindications, warnings, precautions, and potential adverse events. If using an MRI SureScan™ device, see the MRI SureScan™ technical manual before performing an MRI. For further information, contact your local Medtronic representative and/or consult the Medtronic website at medtronic.eu