



## **New ODFS Pace Software release V1.3**

**Author:** Paul Taylor, Consultant Clinical Scientist

We have produced a new version of software for the ODFS® Pace. All new ODFS® Pace devices will come with the new software and there is an update available for older stimulators. Software is fully compatible with the new wireless footswitch but also adds some useful new features for both wired and wireless footswitch versions. V1.3 will be standard in the UK and issued outside the UK from the end of the year. Here is a summary of the main new features.

- Different current, frequency and waveform settings for exercise and walking. This feature makes it easier to use the ODFS® Pace to exercise different muscles to those used for walking. For example, using the exercise for hand opening or shoulder subluxation as well a dropped foot. There is also a greater range of ramp, on and off times allowing greater flexibility. To ensure the FES user does not receive an unexpectedly high stimulation level, the stimulation pulse width is reduced to 1% whenever changing between walking and exercise mode. The user then sets the pulse width to the appropriate level. An exercise countdown timer is now displayed letting the FES user know how much time is left in the current exercise session. The FES user has a new way to enter exercise mode. Previously the foot switch lead was removed from the ODFS® Pace box to switch to exercise mode. This is no longer necessary. Exercise is now accessed from the 'User Accessible Menu'.
- The 'User Accessible Menu' allows the FES user to choose different options. It is entered by holding down the control knob for three seconds. You can choose between walk and exercise mode, turn the ODFS® Pace off, turn the beeps on and off, turn on and off the stimulation feedback sounder, check the number of footsteps taken and manage the wireless footswitch. We think some FES users may use the footstep count to set themselves activity goals and so encourage treatment compliance.
- 'Back' options have been added to each menu branch in clinician mode. This means it is now easy to swap between menu options without having to exit and re-enter clinician mode.
- There is now an option to allow stimulation to be set straight to 50% at turn on. This speeds up turning on and is suitable for FES users who have a consistent response to stimulation.
- There is also an option to change between fine (1%), medium (2%) or course (5%) adjustment of pulse width. This allows faster adjustment of output.
- To stop accidental adjustment of the current setting when testing walking in the clinician mode, it is now necessary to click the control knob before adjusting the current.
- We have added the facility to reset the data logger from the parameter view mode. This means that you can reset the log straight after copying the stimulator parameters and so avoids having to enter the clinician mode again.
- If the battery becomes very low while walking the ODFS® Pace will now give a warning beep every 30 seconds. When the Pause button is pressed at the end of the walk a "siren" beep will be heard and the REPLACE battery screen will flash.
- While the ODFS® Pace still has a sleep mode, the screen no longer goes blank and the LED does not flash every 5 seconds. This means the FES user does not have to be made aware of the sleep mode.

We think the changes make the ODFS® Pace easier and more convenient to use while increasing flexibility. Please let us know what you think. Your feedback is always very welcome.