DST8000-Pro

The scientific way to keep in step

Instructions for using the computerized system

Version-01

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Contents: Page

1. Introduction..... 1
2. What DST8000-Pro can do for you and your patients?..... 1
3. What is the DST-Factor?..... 2
4. User Guide..... 2
5. Displaying the Progress Chart 10
6. Saving and printing the Progress Chart..... 11
7. Additional information..... 12
8. Troubleshooting..... 12

Introduction

The DST8000-Pro system monitors, records and displays patient performance in past and current treatment sessions. Recorded data includes treatment session dates, stair height and patient's ascent and descent times.
With a click of a button a patient's progress chart is generated and displayed, including all past session data.
The Progress Chart is emailed to medical staff for review and evaluation.

The DST8000-Pro system generates an easy to read and objective document that enables physiotherapists, patients, physicians and insurance providers to evaluate a patient's stair usage and gait capabilities.

The DST8000-Pro system calculates a patient's "DST Factor", a unique parameter that conveniently summarizes the patient's current status and estimated potential for future improvement.

Medical institutions and health care professionals gain an invaluable database of thousands of personal Progress Charts, each containing accumulated data of individual patients' progress, according to age, pathology, and treatment duration. The database is extremely beneficial for studies and scientific research.

What the DST8000-Pro can do for you and your patients?

1. Displays information about your patient's previous sessions in graph form, before every session.
2. Shows your patient's past progress and current status.
3. Tells you how long it takes your patients to climb up and down stairs of different heights.
4. Tracks and records all your patient's stair climbing treatment sessions.
5. Sends your patient's Progress Chart to your email. Data can be printed and presented at professional meetings.

What is the DSF-Factor?

1. The DST-Factor is a parameter- generated by the DST 8000-Pro. This parameter, comprised of a number and a letter, gives you accurate information regarding the patient's current ability to negotiate stairs, together with a forecast of his or her improvement potential.
2. The DST-Factor is designated as follows : X-Y, where X is a number between 0 to 16 (0 to 6.5 where inches are used) and Y is a letter (A, B or C). The number represents the most recent stair height the patient climbed, and the letter represents the rate of progress: A-the patient has made significant progress, B-the patient has made moderate progress, and C- the patient has not made any progress in the last 5 sessions.
3. The DST-Factor is calculated based on the 5 last sessions, so that the first DST-Factor is shown on the Progress Chart only after the first 5 sessions.
4. Example of a DST Factor: 13-A (Patient mounted stars of 13 cm and likely to further improved)

How the DST-Factor is calculated: (2-for cm. ; 0.8 for inches)

$\triangle$H - The change in centimeters (inches) between the current stair height and the height the patient climbed 5 sessions ago		
$\triangle$T - The change in seconds between the time it took the patient o climb the stairs in the current session and the time 5 sessions ago		
If $0 \geq \triangle H$	Then DST Factor is:	(current height)-C
If $0 < \triangle H \leq 2\ (0.8)$	Then DST Factor is:	(current height)-B
If $(0.8)\ 2 > \triangle H$	Then DST Factor is:	(current height)-A
If $0 = \triangle H$ and $\triangle T > 0$	Then DST Factor is:	(current height)-B

User Guide

1. Assemble the DST using "Assembly Instructions".
2. Turn on the screen by pressing the red button on the bottom right.
3. Using the virtual keyboard:

(not all characters appear on every screen)

The keyboard will appear whenever you touch a writable field

Press here to switch from DST8000-Pro Software to Windows Desktop

Press to return to screen #1. You will need to re-log into the system

Help

To switch between capital and lowercase letters

To delete content entered into a field

Space

Delete one character

Next screen

Previous screen

4. Connecting to the WI-FI:
   A WI-FI connection is needed order to send Progress Charts and the Admin setup. Press to switch to Windows Desktop. Press the icon "Network and Sharing…" and select "Connect or disconnect". Select your preferred Wi-Fi connection. If a password is needed press "On-Screen Keyboard" to enter a password. Press DST8000-Pro to log-in.
   See "More information" if no WI-FI connection is available.
5. If you are using the DST8000-Pro computerized system for the first time, the head of the physiotherapy department ("Admin") must complete the initial setup. See Section A- Admin .
6. If initial setup has already been completed by the "Admin" continue to Section B-Physiotherapist User Guide.

Section A - Initial Setup and Admin Options

A-1

❑ Enter Username and Password you received with this booklet and confirm.

Note:

- Before using the system for the first time, the head of the physiotherapy department ("Admin") must complete the initial setup.

Continue to **A-2**

A-2

❑ Press: "Edit institute data".

Continue to **A-3**

A-3

❑ Enter institute data and confirm.

Note:

- Marked field (*) must be filled.
- Patient's Progress Chart will be sent to these email addresses.
- Choose units for displaying stair height on the Progress Chart (centimeters/inches).
- Data can be edited at any time.

Continue to **A-4**

Section A - Initial Setup and Admin Options

A-4

❑ Press: “Edit physiotherapists and patients”.

Continue to A-5

A-5

❑ During initial setup you must enter the names of the physiotherapists who will have access to the system.
Press “Add Physiotherapist” and continue to A-6.

❑ Additional options are available for the Admin on this screen.
See detailed information in A-8

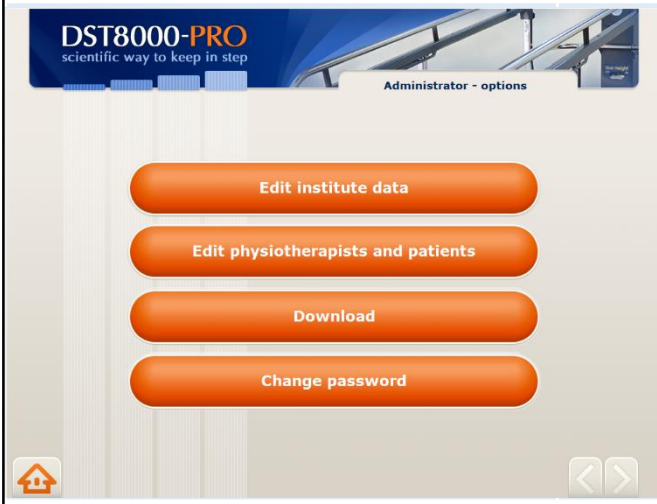
A-6

❑ Enter physiotherapists that will have access to the system and assign them a Username and Password. Press

Note:
- If you will be treating patients, add yourself as a physiotherapist with new login info.
- Data can be edited at any time.
- The table of physiotherapists and their login info will be sent to the email addresses entered earlier.

Continue to A-7

Section A - Initial Setup and Admin Options



A-7

❑ You have completed the initial setup and the system is ready for physiotherapists to start sessions.
Now you can:

- press to end. See- **B-1**
- Insert a disk-on-key and press "Download" to download Progress Chart See **A-9**
- Press "Change password" to change your login info. See **A-10**

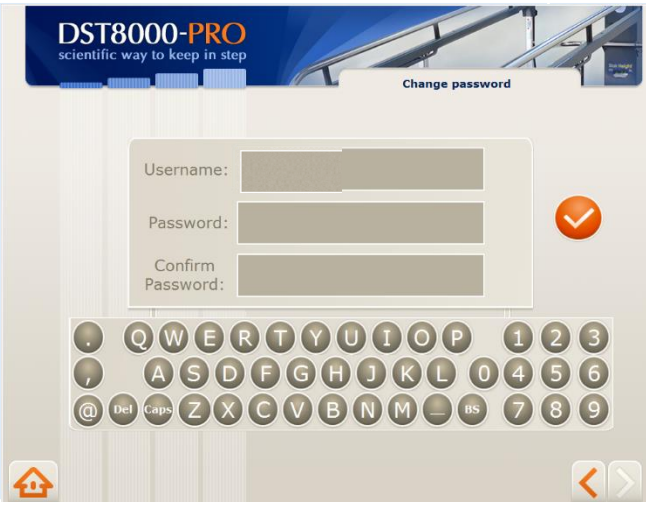
A-8

❑ More Admin options:

- To change patient's physiotherapist: Drag and drop the patient's name from one physiotherapist to another.
- To display patient's Progress Chart: Tap twice on patient's name.
- To change a physiotherapist's name: Tap twice on physiotherapist's name and enter change.
- To change physiotherapist's Username: Tap twice on physiotherapist's username and enter change.
- To change physiotherapist's Password: Tap twice on physiotherapist's password and enter change.
- To delete a physiotherapist: Reassign his patients to other physiotherapists (see above "To change patient's physiotherapist") then press "Delete physiotherapist". A list of physiotherapists will opened. Choose the name of the physiotherapist to delete and confirm. If this physiotherapist has patinas, and you didn't reassign them earlier, you will be asked to do so now.
- Remember: add yourself as a physiotherapist as well, if you want to treat patients or to send Progress Charts for printing.
- Customizing your software: if, after using the system for some time, you have questions, ideas or requests, contact as at info@dpemed.com

A-9

❑ Downloading
To download patients' Progress Chart: after pressing "Download" select the appropriate drive and confirm.



A-10

❑ To change Admin login info: enter new Username and Password and confirm.

Note:
- Make sure you remember your new login info.
- See Troubleshooting if you forgot your login info.

Notes:

B-1

❑ Enter Username and Password received from your Admin and press

Continue to **B-2**

B-2

❑ Press "Choose a patient" for an existing patient and continue to **B-3**

Or

❑ Press "Add a patient " to add a new patient and continue to **B-7**

B-3

❑ Select a patient by pressing on his/her name and then press

Note:

- For your convenience a list of your patients is displayed on the left, as well as a general list.
- Names are listed in alphabetical order.
- You can scroll up/down or enter the patient's name in the top empty field.

Continue to B-4

B-4

❑ Press the desired option.

Note:

- If you select "Start new session" continue to **B-5**
- If you select "Edit patient data" continue to **B-6**
- If you select "Delete patient data" continue to **B-8**

Patient's first session - Progress Chart is empty

B-5

❑ Progress Chart is displayed.

❑ If previous sessions are available They will be displayed on the chart.

❑ If this is the first session, the chart will be empty.

❑ To document a treatment session Press the red "Start" symbol before the patient steps on the first stair.

❑ After the patient climbs up And down the stairs, his/her Performance will be displayed on The chart.

❑ You must press "**Start**" whenever you want to record the treatment session.

Patient's Progress Chart after several sessions

❑ Press if you finish a patient session and want to end use of the ***DST***.

❑ Press if you finish a patient session and want continue working on the ***DST*** with a new patent.

❑ Press "**Stop**" to reset if patient didn't complete going up/down.

❑ To send the Chart by email for printing, press and then press "Sending Progress Chart".

❑ For detailed info about the Chart see page 10.

B-6

Edit patient's data and press

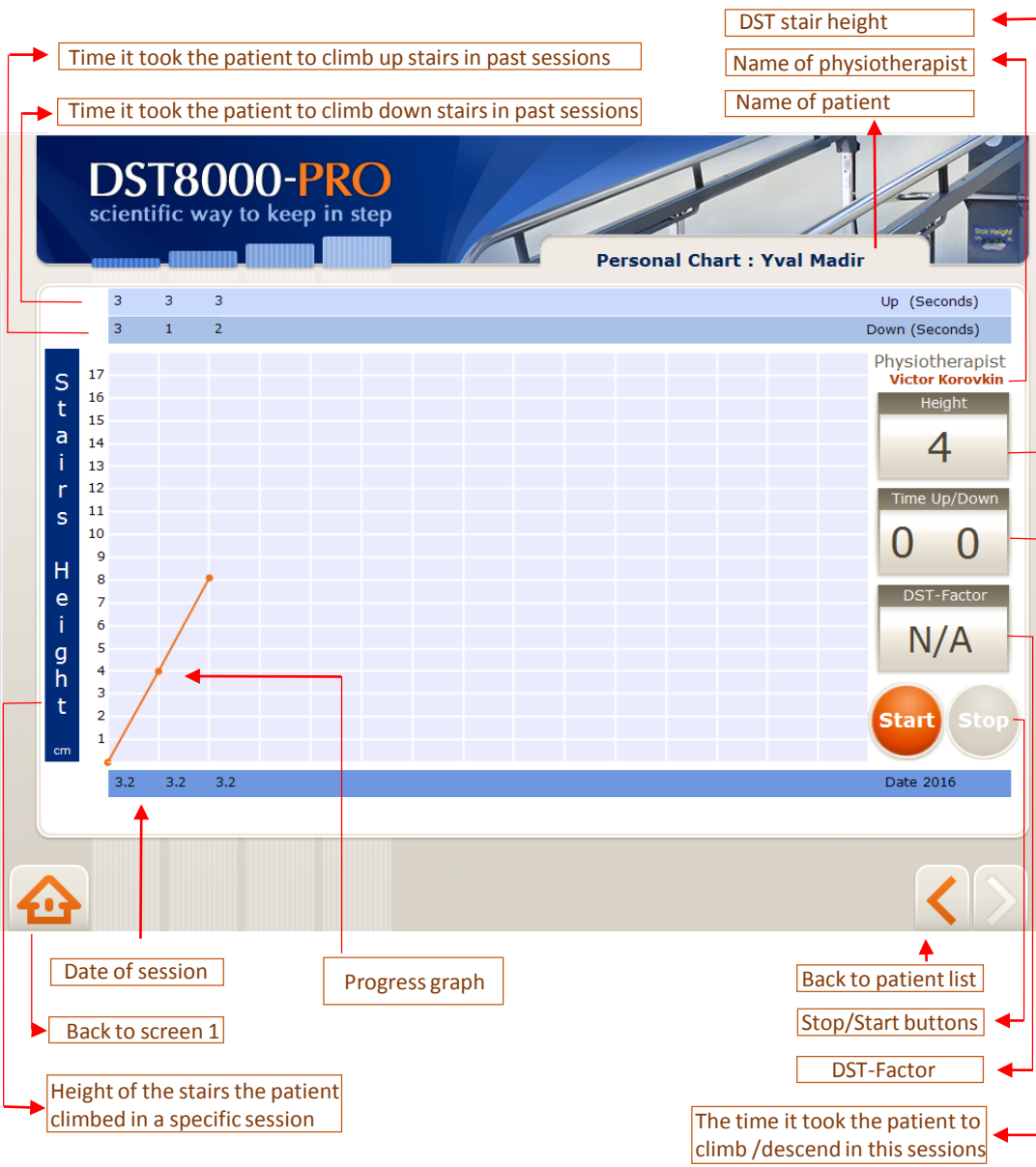
B-7

❑ To add a new patient:
Enter patient's data and press

B-8

❑ Deleting a patient from the system will delete the patient's data but not his/her Progress Chart

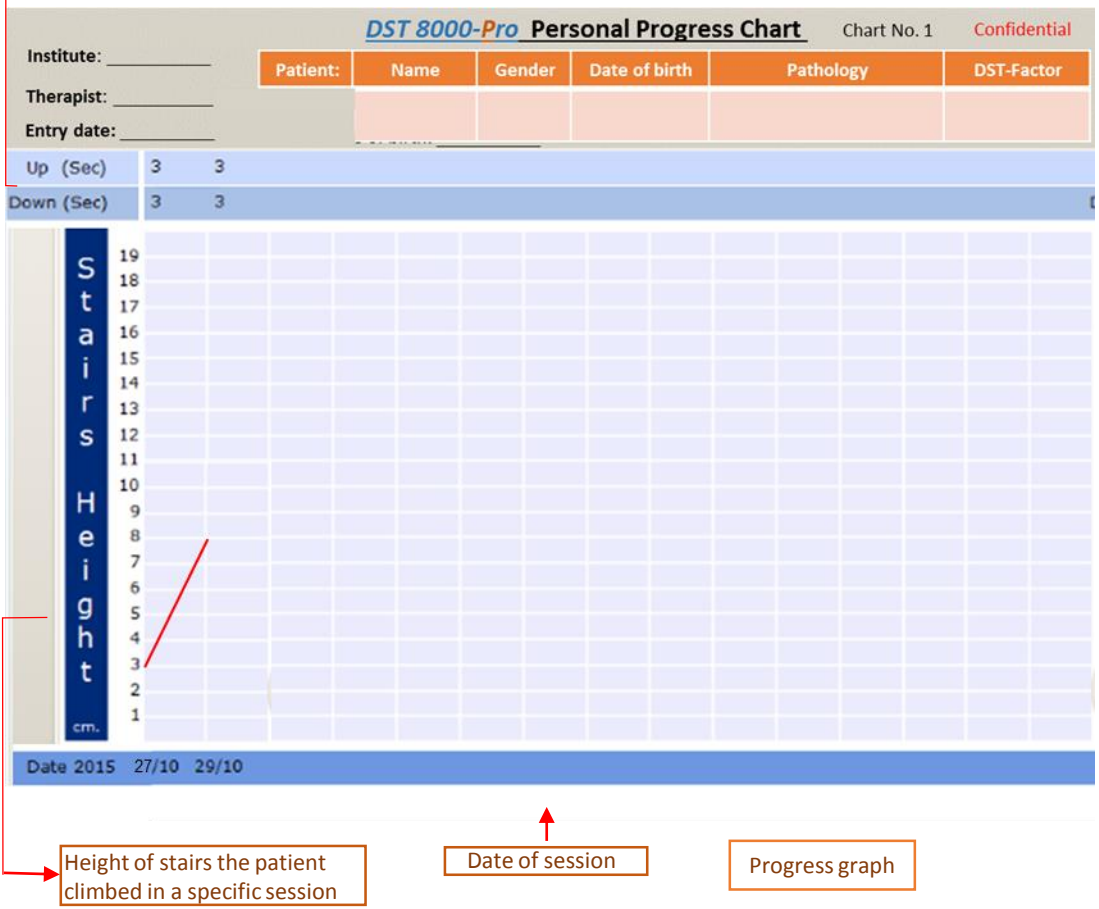
Progress Chart Display



The emailed/printed Progress Chart

(Your Chart can differ, depending on your version)

The time it took the patient to climb up/down in past sessions



Height of stairs the patient climbed in a specific session

Date of session

Progress graph

Note:

- The above is a sample Personal Progress Chart, as it is saved in the system and emailed to the designated email address entered by the Admin during initial setup.
- The Progress Chart can be downloaded directly from the computer to a disk-on-key.
- The Progress Chart is a PDF file and can be easily printed.
- It is important to maintain patient confidentiality as is customary in your organization.

Additional information:

1. If the computer is connected to Wi-Fi, a Progress Chart is sent to the designated email addresses each time you press "Send Progress Chart" at screen **B-4**.
2. We recommend using designated email addresses only, for receiving information from the DST8000-Pro system.
3. The name of the PDF file containing the Progress Chart in comprised of the patient's name and I.D.
4. A Progress Chart is created and saved whenever you press "Start" at screen **B-5**.
5. Patient information generated by the ***DST*** is confidential. Use discretion and follow your organization's procedures for maintaining confidentiality of patient records and documents.
6. Use of the *DST8000-Pro* software is the sole responsibility of the user.
7. If Admin loses the Password/Username please contact DPE Medical: info@dpemed.com for new login info.
8. The aim of the DST-Factor is to provide a parameter that represents the patient's current stair climbing abilities, however it does not override or replace your professional judgment.
9. If Wi-Fi connection is not available you can connect the computer to the network using an internet cable or a Netstick. Consult your network technician.
10. You can always download Progress Charts to a Disk-on-Key. See **A-9**

Troubleshooting:

1. If you encounter a problem using the software, try turning off the screen by pressing the little red button on the bottom right and then turning it on again.
2. If the problem persists, send an email to info@dpemed.com with a description of the problem, your name, email address, and phone number. We will diagnose and fix the problem remotely and update you. A Wi-Fi connection is needed and the computer must be On.

The *DST8000-Pro* was developed and is manufactured by:
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