PaceStar Data Logger 1.0
User Guide

1. Introduction

The PaceStar Data Logger software generates and displays a report from the PaceStar–LT Pacemaker. The Pacemaker collects the information the doctor specifies, and with this software the information is downloaded from the PaceStar–LT to a PC. PaceStar Data Logger generates a comprehensive and easy to read report for each patient.

PaceStar Data Logger 1.0 allows the user to show only some events to help analyze the information presented. The messages can be displayed or not but they are never deleted. The filtering could be done by message type (Event, Configuration, Data, System), date and time or a combination of these.

2. Installation

If you don't have the PaceStar Data Logger software you can download it from http://www.gbi-galix.com.

To install this software, run the psdl_10.exe file and select the directory where you want the software to run. If you want to add a link in the Start menu, create a shortcut of the file PaceStar.exe

3. Running the PaceStar Data Logger 1.0

To run the program select in the start menu, Programs / Galix Biomedical Instrumentation / PaceStar Data Logger. When PaceStar Data Logger 1.0 starts, it will show a presentation window for a couple of seconds and then the wizard will start.

The wizard will help you open a file, make a new download or add the downloaded data to an existing document (see Figure 1). To close the wizard, click cancel or press the Esc key.
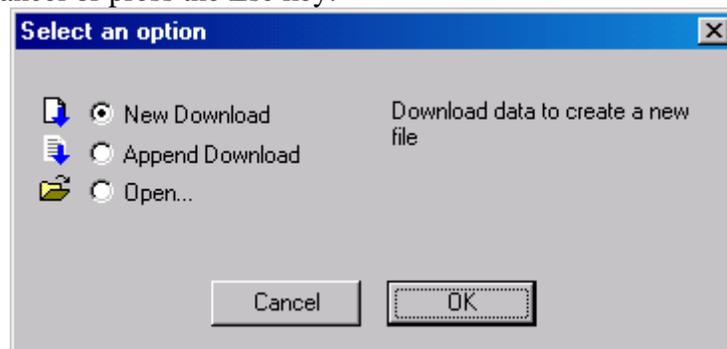
Figure 1: PaceStar Wizard dialog window. This dialog helps to use the most common functions of the program.

3.1. New Download

Once the PaceStar has collected some information, you can download it to a PC using PaceStar Data Logger software. In the following four steps it is shown how to download the data and create a new report:

Step 1.   PaceStar Data Logger setup

Enter the Download PaceStar Data dialog window ether by:

- o   Using the wizard dialog window, select New Download.
- o   Following the selection sequence in the menu File / Download data / New Download.
- o   Clicking the Download data button ⬇ in the toolbar.

The Download PaceStar Data dialog window will show a scheme that represents the PC, the O-Box, the PaceStar–LT and their connections (See Figure 2). The connection color will represent the connection status.
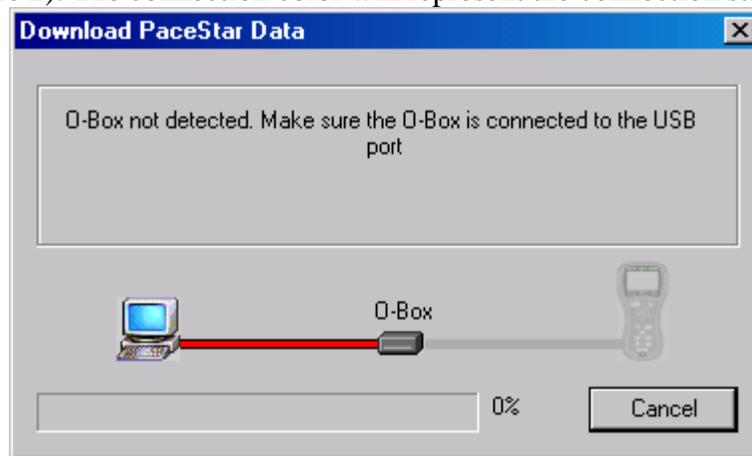
Figure 2: Download PaceStar Data dialog window. Here it can be seen that the O-Box is not connected to the PC.

Step 2.   Connection

a.   O-Box to PC connection.

Connect the O-Box to the USB port of the PC. In the dialog scheme you will see the left hand side connection turn from red (disconnected) to green (ready) (See Figure 3).

While the O-Box is disconnected, the right hand side connection and the PaceStar are shaded because their status is unknown (See Figure 2). When the O-Box is connected to the PC the right hand side of the dialog scheme will show its status.

b.   PaceStar to O-Box connection.

Use the fiber optic cable to connect the PaceStar–LT to the O-Box. A red connection means that the PaceStar–LT is not connected or that it is not in Download mode. A yellow connection means that the fiber optic might be not properly connected or it is in bad condition. A green connection means that the PaceStar is

connected and ready to start the download. A gray connection means that the connection status is unknown.
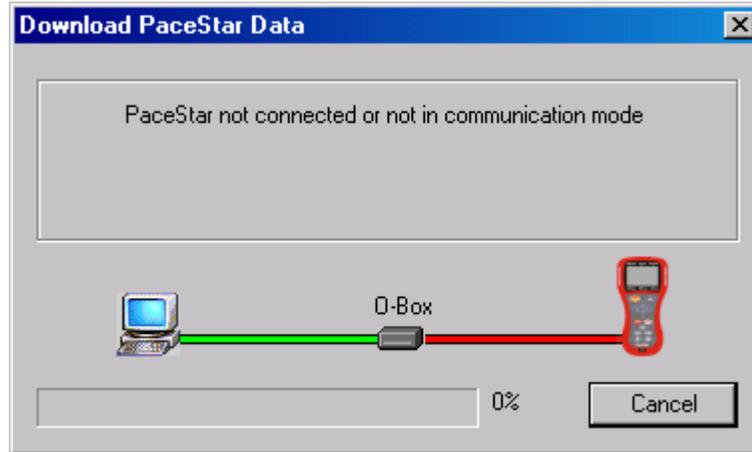
Figure 3: Download PaceStar Data dialog window. This dialog shows the status of the connections. The green line on the left hand side indicates that the O-Box is properly connected to the PC The red line on the right hand side indicates that the PaceStar is not connected to the O-Box or it is not in the Download mode.

Step 3.   PaceStar - LT Setup

In the PaceStar–LT enter the Download mode, by pressing the Config key and selecting the Download PaceStar Data item. Now you should see the right hand side connection in green on the dialog sketch (See Figure 4). If is not so, check the connections (step 2).
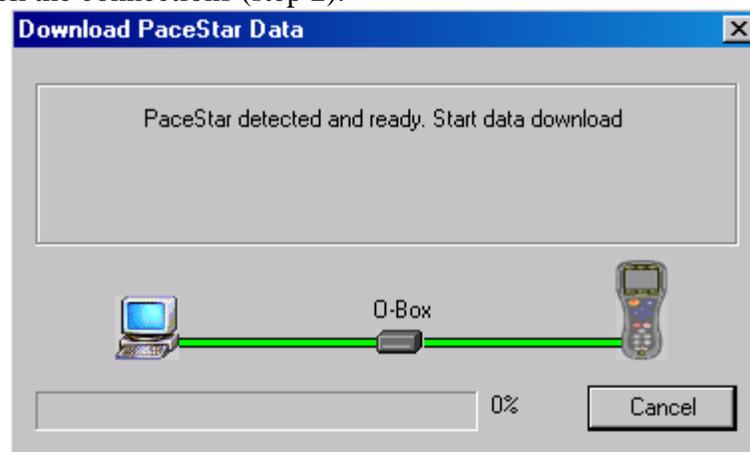
Figure 4: Download PaceStar Data dialog window. This is how the dialog should look right before a download data transfer is initiated.

Step 4.   Transfer

Start the download process form the PaceStar–LT, by pressing the Enter key.

The progress bar will show how much of the download is complete. When the data download is complete, the information will be displayed in a

report format. If there is any problem, the corresponding error message will be displayed.

3.2. Append Download

The Append Download function allows the placement of the information of a download in a previously opened report. This function can be initiated by:
- o Selecting "Append Download" in the wizard dialog window.
- o Following the selection sequence in the menu File / Download data / Append Download
- o Clicking the Append Download button 📥 in the toolbar.

This function starts the download process, as in the case of New Download, but instead of creating a new report it appends the downloaded data to the report that is opened.

If there is no open document, the Append Download function will first open the File Open dialog window in order to select the file to append the download to.

4. Title, Doctor and Patient Information

Once the report was generated, the title of the report, the doctor's Name and ID, and the patient's Name and ID can be edited. Click the corresponding field and type the new content (see Figure 5).
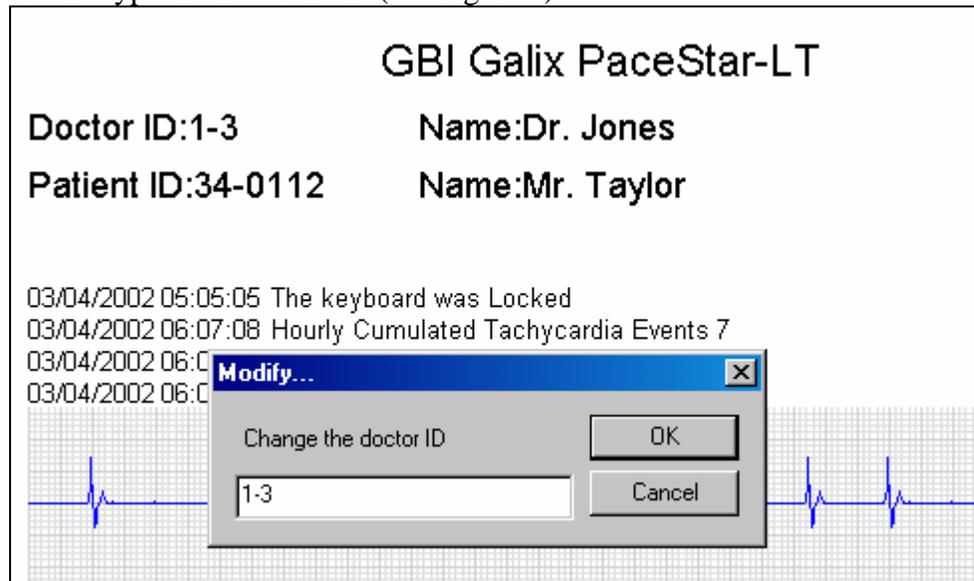
Figure 5: The user has just clicked the Doctor ID field. The Modify Doctor ID
dialog is visible.

In the Options menu, select "Change the default title" item, and type the default title for all the Reports.

5. View messages

PaceStar Data Logger allows the user to select the messages and messages fields to display.

This function is accessed through the menu View / Show messages option. By default the date, time and description is shown for every message.

To filter messages by message group or by date and time select the option corresponding in the menu, View / Filter Data in order to open the Filter dialog window (See Figure 6). It is possible to select the group and the date-time period of the messages to display.
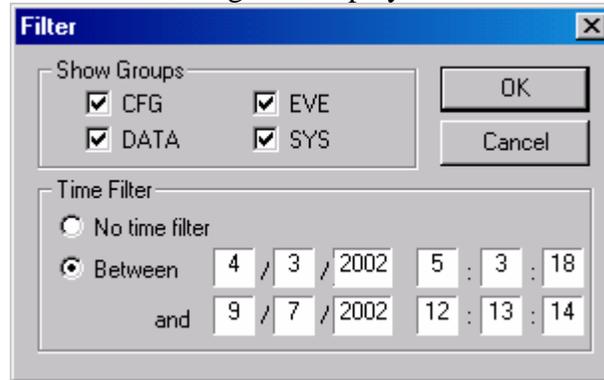
Figure 6: Filter Dialog. This configuration will display messages of any group dated between 4/3/2002 5:03:18 and 9/7/2002 12:13:14.

6. Comments

Usually the user writes a comment for some messages. To insert or edit a comment, click the message that and type the comment. Click outside the message comment to finish.

The comments are limited to a length of six lines; they are expected to be a brief explanation or remark of a message.

7. To Contact Galix Biomedical Instrumentation

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