

PATIENT DATA COLLECTION SOFTWARE

VERSION 1.4.0

OPERATION/SERVICE MANUAL

950-410
950-389

Patient Information		Update	Data Export	Serial
Patient Name	BILL SMITH	Delete	CTSIB	
Patient Gender	Male	Import		
Patient Age	43	Save		
Patient Memo				

BILL SMITH (PatientID=3)					
.....	Balance System (PST)	1/25/2006 1:39 PM	Age:43	Height:65"-73"	
.....	Balance System (PST)	1/25/2006 1:40 PM	Age:43	Height:65"-73"	
.....	Balance System (LOS)	1/25/2006 1:43 PM	Age:43	Height:65"-73"	
.....	Balance System (ASL)	1/25/2006 1:45 PM	Age:43	Height:65"-73"	
.....	Balance System (FRT)	1/25/2006 1:45 PM	Age:43	Height:65"-73"	
.....	Balance System (LOS)	1/25/2006 1:42 PM	Age:43	Height:65"-73"	
.....	Gait Trainer	5/7/2007 9:10 AM	Age:43	Height:65"-73"	

Results	Log to file	Setup	About	Close
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BIODEX

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This manual covers installation and operation procedures for the following products:

950-410 Software, Patient Data Collection, V1.4

For Win CE 12" Display with USB and Serial Interface.

Includes: Software only - compatible with Gait Trainer, Balance System and BioSway.

950-389 Software, Patient Data Collection, V1.4

For non-Win CE Display, 6.6" x 5"; displays accommodates serial interface only.

Includes the following components:

- *Software compatible with Gait Trainer and Balance System SD (#950-350-J800)*
- *Cable, 9-PIN Serial DB9 M/F, 10-feet (#C12089)*
- *Converter, USB to Serial (includes software drivers) (#C12927)*

INTRODUCTION

Suitable for the Gait Trainer, Balance System SD and Portable BioSway, the Patient Data Collection Software allows easy download of patient data via a serial interface for the non-Win CE displays, or by USB flash drive for the 12" Win CE displays. All data for each device is stored in folders for each specific patient for archiving, reporting or exporting as a CSV file.

COMPUTER REQUIREMENTS

In order to run the Data Collection Software your computer must meet the following requirements:

- Windows XP or Windows 7
- Serial Com port and/or USB

HARDWARE CONNECTIONS

Prior to installing the software, one of the following hardware connections must be established.

For 950-389

- Serial port connections, both sides: Connect the male DB 9 to the female DB 9 serial connector on the back of the Balance System SD or Gait Trainer display. Connect the Female DB 9 to the available serial connector on the computer.
- Serial port connection on the Balance SD or Gait Trainer/USB connection on computer: If no COM port is available, or you prefer to use a USB connection, then the USB to serial converter must be used. Follow the instructions provided with the USB Serial Converter to install the required drivers on the computer.

For 950-410

- USB export to thumb drive for import into patient data collection software.

SOFTWARE INSTALLATION AND SETUP (See Figure 1.)

1. Insert the installation CD in the computer's CD/DVD drive.
2. In the setup screen, select the COM port that will be used from the serial section of the screen. If you have not already done so, connect the serial cable to the serial port on the PC or use the USB adapter and serial cable.
3. In the setup screen, select the desired language by clicking on the appropriate selection in the list of available languages. Select from English, German, French, Italian, Spanish or Polish.

NOTE: Use of USB adapter requires loading of USB adapter drivers. Please follow separate instructions provided for USB adapter.

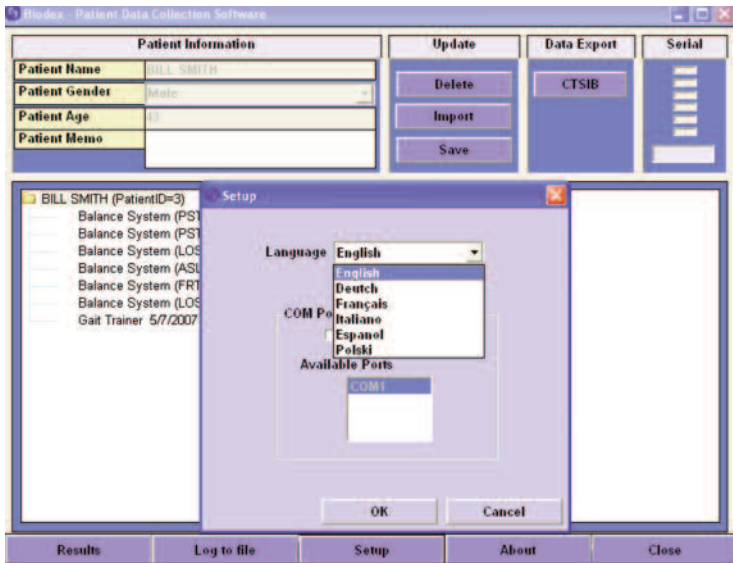


Figure 1. In the setup screen, select the desired language option and com port.

DOWNLOADING PATIENT DATA (See Figures 2-12.)

With the data collection program running on your computer, access the Patient Management screen on the Gait Trainer, Balance System SD or BioSway. On the Patient Management screen, select <Multiple Export>. Choose the date range and then select <Export Prep> and choose Serial or USB. The data collection program will create a new folder containing the test data and display it on the computer's Patient Information screen. As long as you maintain the same name, the folder will automatically append new tests exported from either the Gait Trainer, Balance System SD or BioSway. Sample patient data has been included in the database for reference under the patient name "Bill Smith."

To access a specific patient from the computer, click on the appropriate patient folder. This will generate a list of test records showing the Gait Trainer, Balance System SD and BioSway results. The test record can then be viewed as a report and printed, or a comma separated value (CVS) file can be created using the <Log to File> button. This CVS file can then be imported into other applications compatible with CVS files, such as Excel.

To delete any patient file from the data download database, click on <Delete>. The program will prompt for confirmation. Click <Yes> to delete the patient or <No> to cancel and return to the Patient Information screen without deleting the patient.

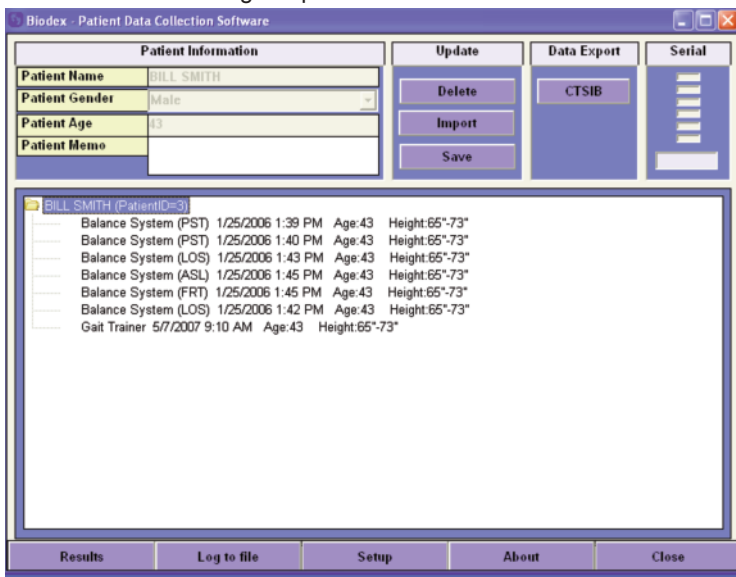
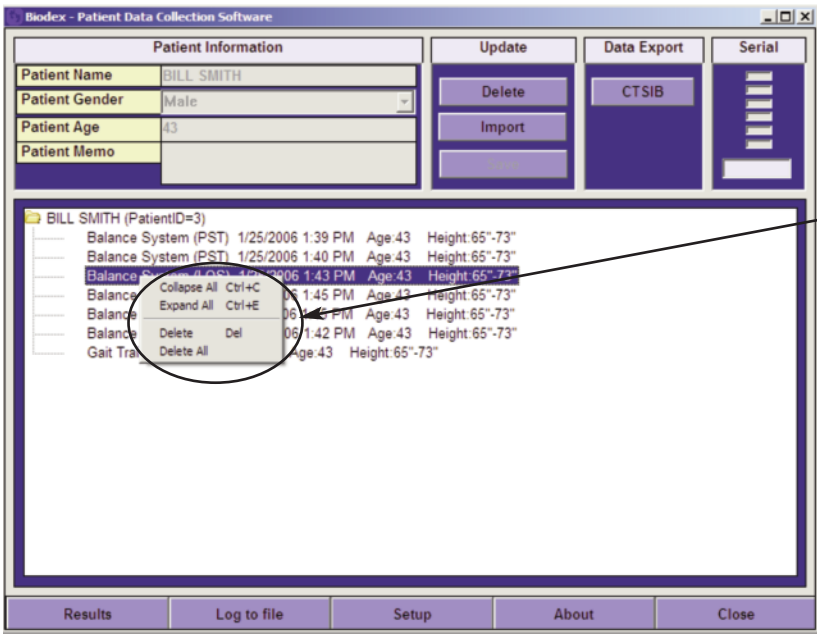
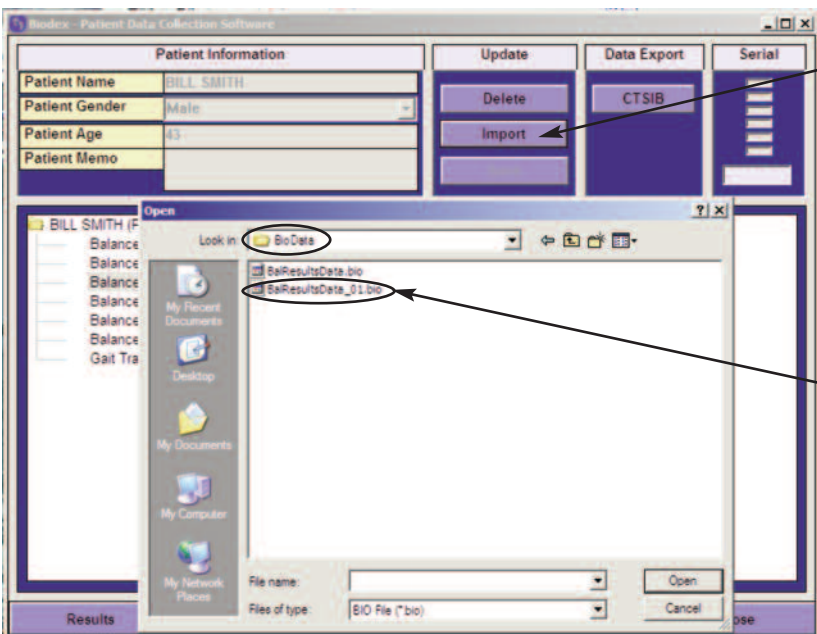


Figure 2. To access a specific patient, click on the patient's folder and a list of test records will be displayed.



New right click feature added for data view manipulation

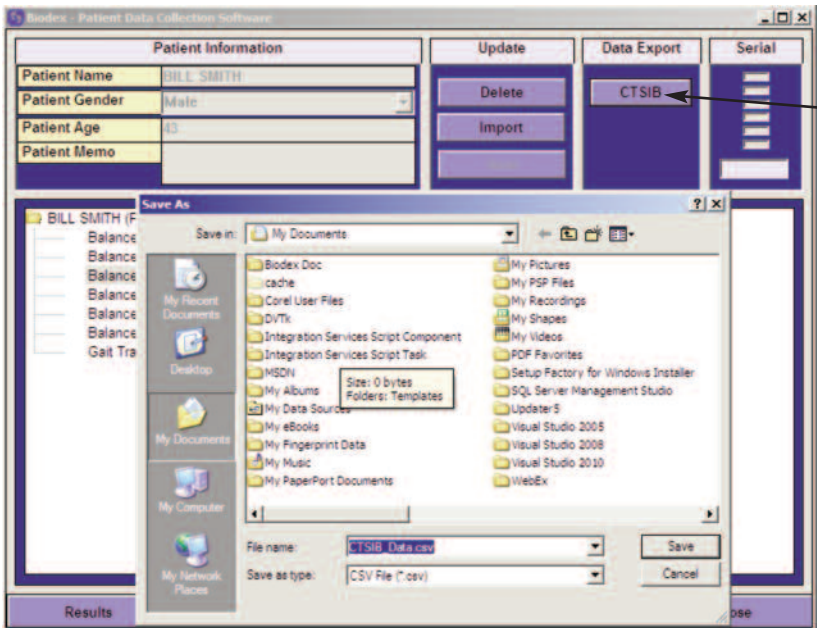
Figure 3. Right Click Pop-Up Menu.



Press import button to import test results located on a USB thumb drive. These files are exported from the LCD display to the thumb drive in the BioData folder shown below.

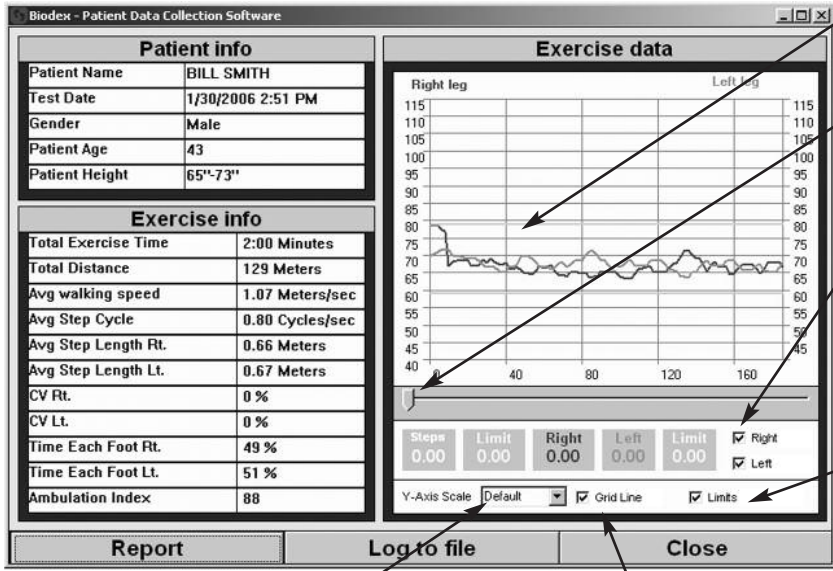
Select the Balance Test Results Data from the list for import into the Patient Data Collection Database.

Figure 4. Display of Import from Thumb Drive screen.



This option will export all CTSIB test results to a CSV file. Unlike the individual test CSV export, this option sends scores only, no data points.

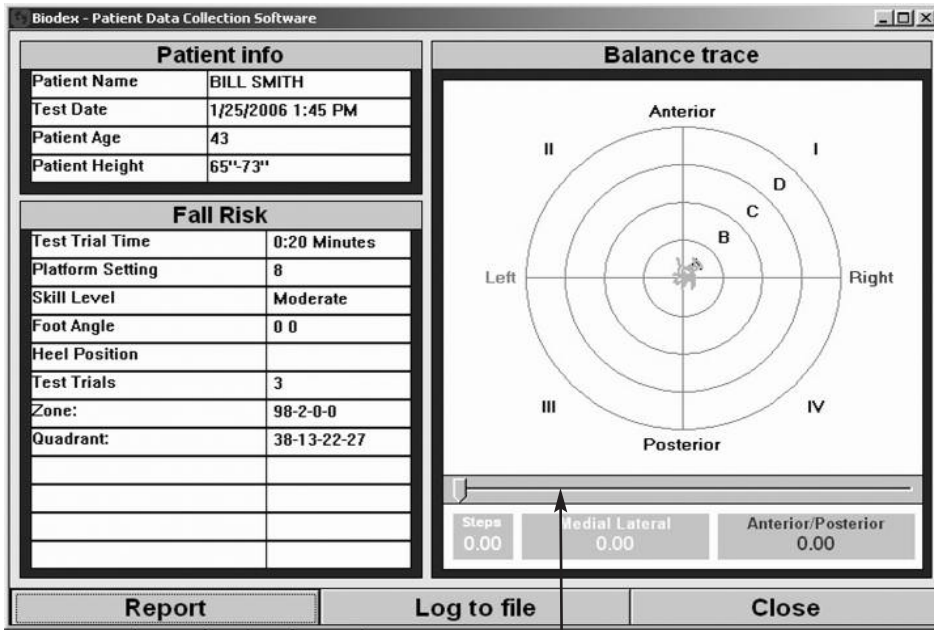
Figure 5. Display of CTSIB Data Export screen.



Step limits
 Slide bar for specific time information
 Choose to display right and/or left step data
 Show step limits or not

Select Y-axis scaling View with grid lines or without

Figure 6. Display of Gait Trainer results.



Slide to retrace cursor movement

Figure 9. Balance System SD results.

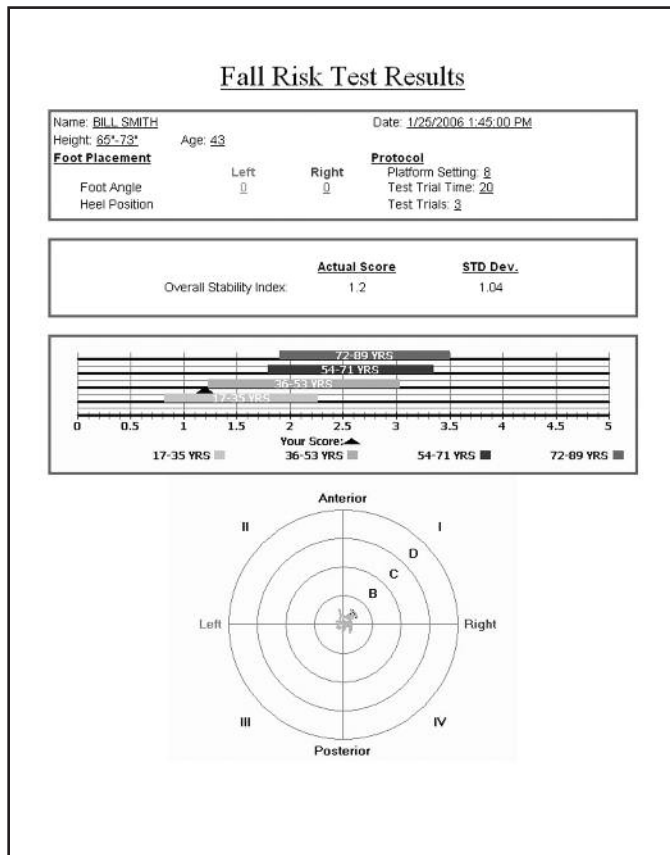


Figure 10. Balance System SD results viewed as a report.

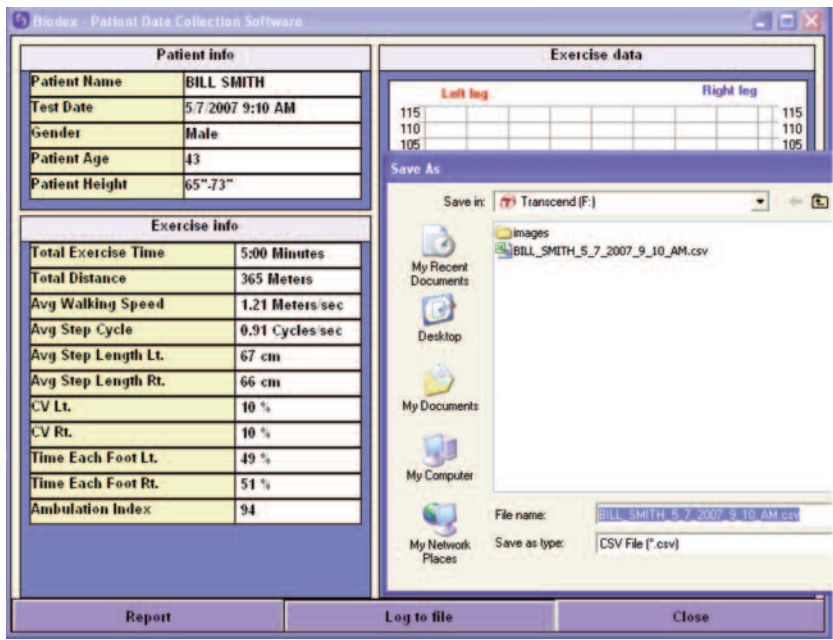


Figure 11. Use the <Log to File> feature to create a CSV (comma separated value) file.

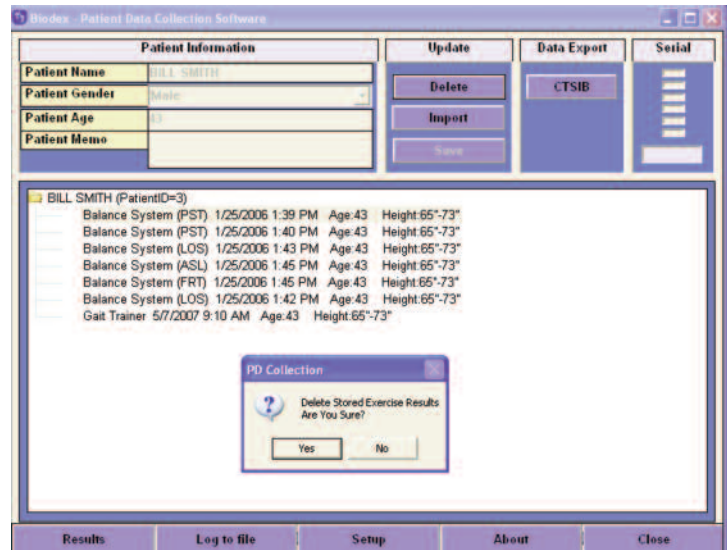


Figure 12. Use the <Delete > function to remove patients from the database.

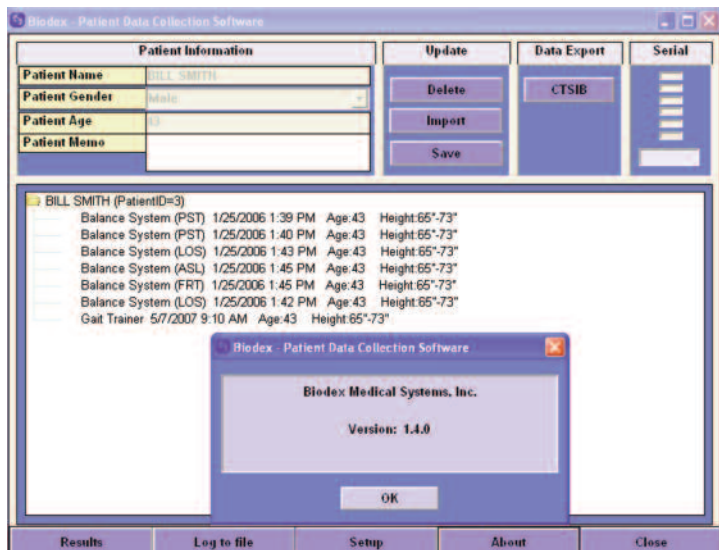


Figure 13. Use <About> to display software version.

TROUBLESHOOTING

1. *Problem:* A new folder is being created for the same patient.

Solution: Most likely there is some subtle difference in the name. Check spelling and use of spaces, punctuation, etc.

2. *Problem:* Data is not being exported.

Solution: A successful export of data from the Balance SD or Gait Trainer will result in a prompt to save data. Also, the green serial communication bars will scroll. Check to make sure the serial com indicator is green. Red indicates no serial communication.

- If there appears to be no communication, check the cable connections. Refer to the Hardware Connections section of this manual for information on Serial to Serial or Serial to USB connection.
- In some cases the computer may have to be restarted with the device connected.

3. *Problem:* Report is viewed on screen, but will not print.

Solution: The report is viewed using Window's Explorer. Printing problems are most likely related to the printer set-up. Check to make sure that the correct printer is selected and installed in the Windows program and check the cable connections of the printer to the computer. If the printer was not connected to the computer when you powered-up the computer it may be necessary to restart the computer with the printer connected.



Certified Quality Management System

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