

## Introduction

*ReacTime*™ Training software for the Palm Operating System® (Palm allows you to view single ReacTime charts on a handheld device. You can download multiple reaction times from a Block Sensor and then choose a single chart to view on your handheld device. Once you have downloaded a chart, it is automatically saved to the handheld device's memory. You may save as many charts as you have memory available in your handheld device (each chart is between 2 and 5 kb).

## Requirements

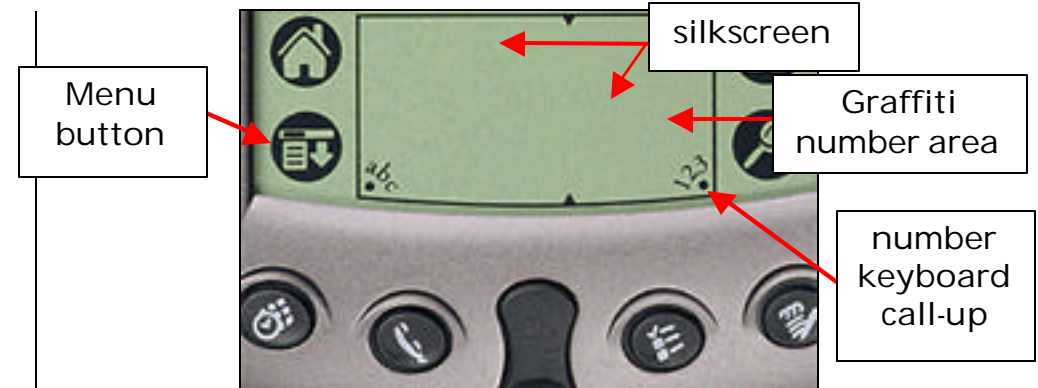
*ReacTime Training software for the Palm OS®* works with the following:

- Handheld device running version 3.2 or higher of the Palm OS®
- ReacTime Training System
- Male to male DB9 gender changer
- Serial Cable that came with your ReacTime Training System
- HotSync cable or cradle with a serial connection (will *not* work with a USB port connection)

## This document

This document assumes you have a basic working knowledge of how to operate your handheld device, and that you have the Palm Desktop software that came with your handheld device running on your computer. Also, this document assumes you are familiar with running the Install Tool and HotSync® Manager. If not, please refer to the documentation that came with your handheld device.

This document refers to the following features of the Palm OS® (see diagram on top of next page):



## Installation instructions

1. Insert the *ReacTime Training software for the Palm OS®* floppy disk into your computer's floppy disk drive.
2. Click the Microsoft Windows Start button and select **Run**.
3. Type: **A:\Rtpalm1\_00.exe** and then click **OK**. Follow the instructions on the screen to install the software onto your computer.
4. Connect the HotSync® cable or cradle that came with your handheld device to the serial port on the back of your computer.
5. Click the **Install Tool** from the Palm Desktop software running on your computer.
6. Select your **user name** from the drop-down list.
7. Click the **Add** button and navigate to the place where you saved the **ReacTime.prc** and **Mathlib.prc** files on your computer (they are saved to C:\ReacTime\PalmOS by default). Click on each file to highlight it, then click Open to add it to the Install Tool window, and then click **Done**.
8. Make sure HotSync® Manager is running on your computer. With your handheld device connected to the other end of the HotSync® cable or cradle, perform a HotSync® operation. The *ReacTime Training software for the Palm OS®* is installed onto your handheld.

## Operation instructions

Now that you have installed the *ReactTime Training software for the Palm OS®*, you can use it with a Block Sensor. Please refer to the *ReactTime Operator's Manual* for complete ReactTime Training System setup instructions, including how to connect the Block Sensor to a starting block.

### Set up the Block Sensor

1. Practice several starts so you have some data to download from the Block Sensor onto your handheld device.
2. Connect the Serial Cable that came with your ReactTime Training System to the Serial Cable input on the Block Sensor.
3. Attach the gender changer to the other end of the Serial Cable.
4. Connect the HotSync cable or cradle to the gender changer.
5. Connect your handheld device loaded with the *ReactTime Training software for the Palm OS®* to the HotSync cable or cradle.

### Operate the ReactTime Training software

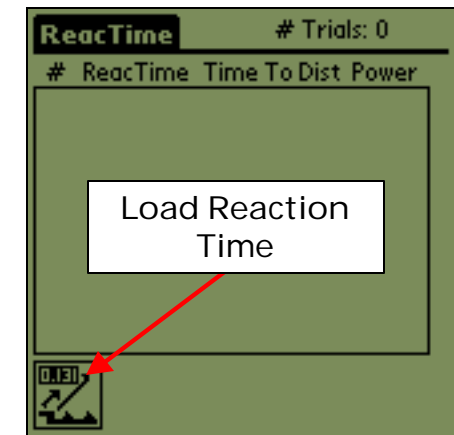
After you have connected the Block Sensor to the handheld device, follow these instructions to download reaction time data and to plot individual charts. Before proceeding with these instructions, make sure the Block Sensor is on and that you have practiced a few starts so that you have data to upload to the handheld device.

1. Turn on the handheld device. From the Applications screen (Figure 1) tap the **ReactTime icon**. The ReactTime main screen appears (Figure 2). If you are using ReactTime with a SerialLynx Unit, continue to step 2. Otherwise, skip to step 6.

Figure 1: Applications screen



Figure 2: ReactTime main screen



2. Tap the **Menu** button. The "Options" pick list appears.
3. Tap **Preferences** from the "Options" pick list.
4. Tap the **Comm** tab.
5. Tap the **Serial** checkbox. Now, please refer to the SerialLynx documentation if you are using this application with a SerialLynx Unit. Then, continue to step 6.
6. Place the handheld device in the HotSync cradle or attach it to the HotSync cable.
7. Tap the **Load Reaction Time** button (see Figure 2). Wait until the reaction times from the Block Sensor are loaded onto the handheld device and the "Select Trial to Load" screen appears (Figure 4).
8. A list of the reaction times you just downloaded from the Block Sensor appears in a box on a screen (Figure 4). Tap to highlight the reaction time for which you want to create a chart, and then tap the **Load Chart** button. Wait while the chart is plotted on your handheld device's screen.

Figure 4: "Select Trial to Load" screen

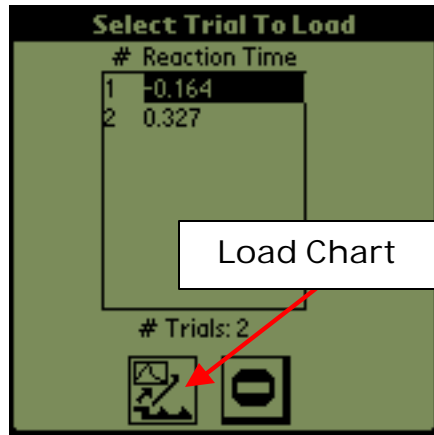
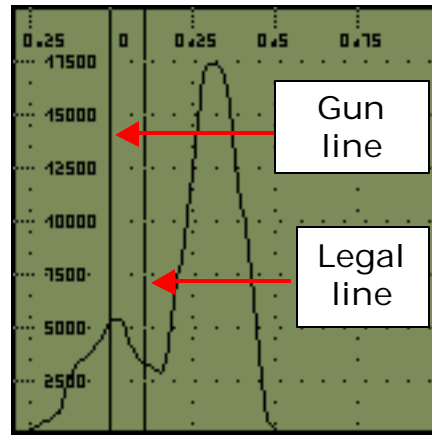
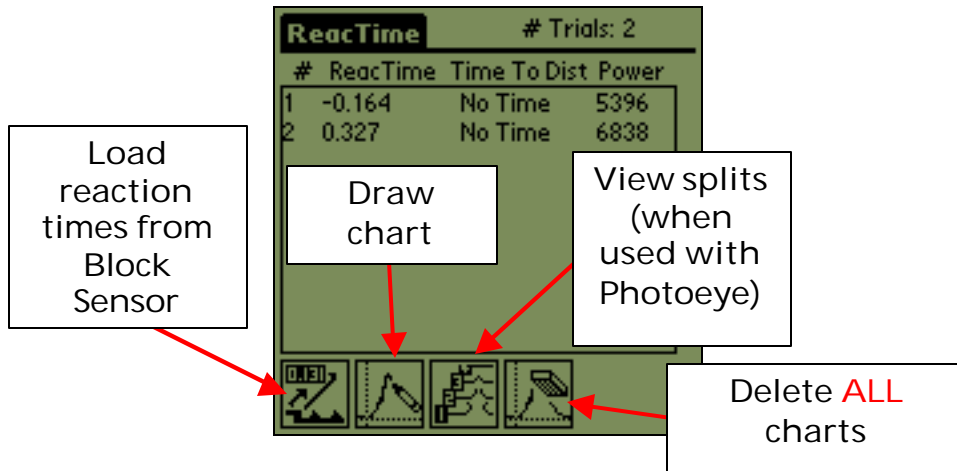


Figure 5: plotted ReactTime chart



9. Tap anywhere on the silkscreen to return to the ReactTime main screen. A list of reaction times with the charts you have downloaded appears on the screen (Figure 6).

Figure 6: ReactTime main screen showing charts downloaded



## Additional features

ReactTime Training software for the Palm OS® allows you to do the following:

- **View split times**

If you are using the ReactTime Training System with a Photoeye, you can view the split times on your handheld device. At the ReactTime main screen, tap to highlight a reaction time and then tap the **View Split Times button** (see Figure 6).

- **Delete charts**

**Warning! There is no "undo" for this step! Also, you cannot delete a single chart without deleting all of the charts in your database.**

You can delete the reaction time charts by tapping the **Delete Charts icon** on the ReactTime main screen (see Figure 6).

- **Change the default plot range**

The default plot range is  $-0.3$  to  $1.0$  second. You can change this to something between the range of  $-3.0$  to  $2.0$  seconds by tapping the **Menu button** and then tapping **Preferences** from the "Options" pick list. Tap the **Gen1 tab** to display the plot range setting. Tap the default setting you want to change, and use the Graffiti number area or the number keyboard call-up to change the value, and then tap the **OK checkbox** to save the setting. The next time you plot a chart, the new values are used.

- **Change the size of the viewing screen**

If you want to enlarge your view of the chart, start at the ReactTime main screen. Tap the **Menu button** and then tap **Screen** at the top of the screen. Tap  $320 \times 320 \times 2$  to enlarge the screen. To return to the default screen size, repeat these instructions, but tap  $160 \times 160 \times 2$ .

- **Delete charts from Palm OS® memory**

If you want to clear the charts from your Palm OS® memory, start at the Applications screen. Tap the **Menu button**. Tap **Delete** and wait for the "Delete" screen to appear. Scroll to the **ReactTime Traces** listing and tap to highlight it. Then, tap the **Delete button**. Tap **Yes** when the warning box appears. Tap **Done** to return to the Applications screen.