

GoTimeIt™ User Guide

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Chapter 1: Installation

Requirements

GoTimeIt requires BlackBerry® Desktop Manager and Device Operating System 3.6 or higher.

Instructions

For installation, purchase and registration instructions see the [Installation Guide](#).

Chapter 2: Introduction

GoTimeIt provides typical stop watch functionality on a RIM BlackBerry device.

GoTimeIt supports two basic modes of operation – elapsed time mode and countdown timer mode:

1. Elapsed time mode allows you to measure how much time has elapsed since pressing **Start** on the stop watch until:
 - a. Optionally pressing the **Lap** button one or more times
 - b. Pressing the **Stop** button
2. Countdown timer mode allows you to set a specific time (called the **Reset Time**) and count down to time 00:00:00 on pressing the **Start** button. You can optionally configure for an alarm to be signaled on reaching countdown completion (i.e. time 00:00:00). You can also set an **Alarm Interval Time** and configure for an alarm to be signaled after each interval amount of time elapses until reaching countdown completion.

GoTimeIt can be run in the background - this allows you to switch to other applications while GoTimeIt operates and signal alarms as configured.

Chapter 3: Using GoTimeIt

Starting GoTimeIt

To start GoTimeIt select the application icon on the BlackBerry Home Screen and press the **ENTER** key or trackwheel to run it. You can also just press the letter “G” to run GoTimeIt while the BlackBerry Home Screen is displayed (only if the Phone application is not configured to allow dialing from the Home Screen).



Guide to the GoTimeIt User Interface

Main GoTimeIt Menu

The main GoTimeIt menu is displayed by moving the focus to the Menu button on the main GoTimeIt screen and pressing the trackwheel.



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The following menu items are displayed:

Table 1: Main GoTimeIt Menu Items

Menu Item	Purpose
Normal	Displays the stop watch clock using the Normal font.
Large	Displays the stop watch clock using the Large font. This is the default font.
LCD	Displays the stop watch clock using the LCD font.
Computer	Displays the stop watch clock using the Computer font.
Reverse	Displays the stop watch clock using the Reverse Video font.
Options	Displays the GoTimeIt Options Screen. See below for more information regarding the available options.
Switch to Background	<p>Select this item to switch from GoTimeIt to the Home Screen while GoTimeIt continues to operate in the background. From the Home Screen you can start another application.</p> <p>If you are running in countdown timer mode, interval and completion alarms will be signaled as configured even while GoTimeIt operates in the background. After the completion alarm is signaled a message box will be displayed indicating to you that the countdown timer has completed.</p> <p>You can switch back to GoTimeIt at any time by running it from the Home Screen.</p>
About / Register	<p>Displays the About Screen, License Agreement and License Information.</p> <p>The About Screen displays the application name and version number, copyright notice, and the web site and support addresses.</p>

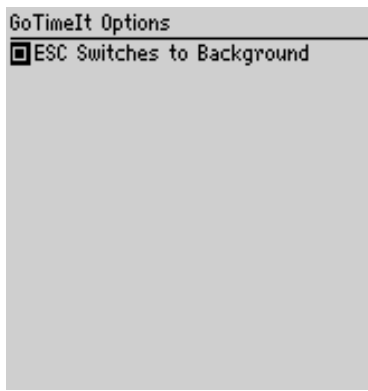
Menu Item	Purpose
Close	Exits the application.

You can change the font while the stop watch is running.

When you exit GoTimeIt it will remember the current font and use it the next time you run the application.

Options Screen

The following screen is displayed if you select Options on the main GoTimeIt menu:



The following options are displayed:

Table 2: Options Screen

Option	Purpose
ESC Switches to Background	<p>Check this option if you'd like GoTimeIt to switch to the background instead of exit when ESC is pressed.</p> <p>See above regarding the Switch to Background item on the main GoTimeIt menu. for more information on background operation.</p> <p>To exit the application completely select Close on the main GoTimeIt menu.</p>

Selecting The Stop Watch Mode

When you first run GoTimeIt it starts in elapsed time mode and displays the following user interface.



To change to countdown timer mode check the **Countdown Timer** box. To change back to elapsed time mode uncheck the **Countdown Timer** box. The following user interface is displayed in countdown timer mode.



If you exit GoTimeIt it will remember the current mode and start up in that mode the next time you run the application.

Using Elapsed Time Mode

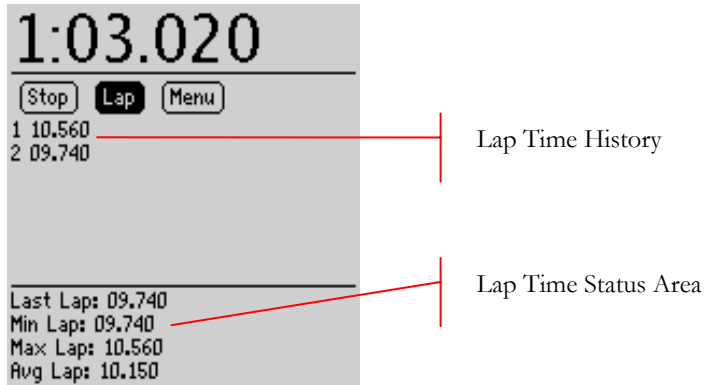
Elapsed time mode allows you to measure how much time has elapsed since pressing **Start** on the stop watch until:

- a. Optionally pressing the **Lap** button one or more times
- b. Pressing the **Stop** button

If you press the **Lap** button then the time elapsed since the last time you pressed the button will be displayed as the **Last Lap** time in the status area and added to the list of lap times under the stop watch buttons. As well, the **Min Lap, Max Lap and Avg Lap** times displayed in the status area will be updated. Pressing the **Lap** button does not stop the stop watch.

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Pressing the **Stop** button will stop the stop watch and display the total elapsed time in the stop watch time field. If the **Lap** button was pressed at least once then pressing **Stop** will also update the last lap time measured as the elapsed time between pressing the **Lap** button for the last time and the **Stop** button. The lap times displayed in the status area will also be updated.



At this point you can press the **Start** button to restart the stop watch from its current elapsed time or you can reset the stop watch time to 00.000 and clear any lap times by pressing the **Reset** button.



NOTE: Elapsed time is shown in the format d:hh:mm:ss.SSS if the duration involves at least one day (e.g. one day, four hours, fifteen minutes, three seconds and 670 thousandths of a second would appear as 1:04:15:03.670).

Using Countdown Timer Mode

Countdown timer mode allows you to set a specific time (called the **Reset Time**) and count down to time 00:00:00 (i.e. 00 hours, 00 minutes, 00 seconds) on pressing the **Start** button. The maximum reset time is 23:59:59 (i.e. 23 hours 59 minutes and 59 seconds).

You can optionally configure for an alarm to be signaled on reaching countdown completion (i.e. time 00:00:00). You can also set an **Alarm Interval Time** and configure for an alarm to be signaled after each interval amount of time elapses until reaching countdown completion.

The following types of alarms are supported:

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- Tone – alarm signaled by beeping
- Vibrate – alarm signaled by device vibration
- Flash LED – alarm signaled by flashing device LED (Light Emitting Diode)



When you set **Alarm Type** to Tone, you can configure the volume to High, Medium or Low.

To enable interval alarms, set the **Alarm Interval** to the desired interval and check the **Signal Alarm on Each Interval** box. To disable interval alarms uncheck the **Signal Alarm on Each Interval** box.

To enable the countdown timer completion alarm check the **Signal Alarm on Completion** box. To disable the completion alarm uncheck the **Signal Alarm on Completion** box.

Interval Alarms can be distinguished from Completion Alarms as follows:

Alarm Type	Interval Alarm	Completion Alarm
Tone	Single beep	Double beep at minimum
Vibrate	Single vibrate	Double vibrate at minimum
Flash LED	Single flash	Double flash at minimum

You can configure the Completion Alarm Repeat Count setting to be any value between 0 and 99. By configuring this setting appropriately you can reduce the possibility of you missing or not noticing a completion alarm.

The configured value will determine how many times the double completion alarm signal will be repeated beyond the minimum. For example if alarm type is configured as Tone and repeat count is 0 then on completion your device will beep twice (i.e. the minimum number of beeps with 0 repeats). If repeat count is set to 2 your device will beep 6 times (i.e. 2 beeps for the minimum and 2 repeats of the double completion alarm beep, or 4 beeps total due to the repeat count).

The completion alarm is only repeated the specified number of times if the device has been idle (i.e. no keyboard or trackwheel activity) for at least 5 seconds prior to the first completion alarm signal. If this is not the case then the completion alarm will only signal the minimum number of

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times (i.e. twice). Also completion alarm repeats are stopped as soon as the device is no longer idle.

Using GoTimeIt in the Background

You can switch to other applications, while GoTimeIt continues to operate in the background, in the following ways:

1. Select the **Switch to Background** menu item to switch from GoTimeIt to the Home Screen. From the Home Screen you can start another application.
2. If the **ESC Switches to Background** setting is checked on the Options screen then you can press ESC to switch from GoTimeIt to the Home Screen. From the Home Screen you can start another application.
3. Press **ALT+ESC** to switch to other applications such as the Home Screen, from which you can start other applications.

If you are running in countdown timer mode, interval and completion alarms will be signaled as configured even while GoTimeIt operates in the background. After the completion alarm is signaled a message box will be displayed indicating to you that the countdown timer has completed.

Operating GoTimeIt in the background as a countdown timer is useful if you want to be signaled after a long period of time has elapsed (e.g. configure GoTimeIt to signal you when a parking meter is about to expire) but want to continue to use your BlackBerry for other purposes in the meantime.



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You can switch back to GoTimeIt at any time by running it from the Home Screen or press ALT+ESC again and select its icon.



If ESC is configured to switch GoTimeIt to the background then to exit the application completely select **Close** on the main GoTimeIt menu.

GoTimeIt Operation While Handheld Turned Off

If you shut down the handheld while GoTimeIt is running either in the foreground or background its state will be saved so that when the handheld is turned on again its state will be restored.

If the stop watch is running when the handheld is shut down it will continue to operate and signal alarms as configured.

Chapter 4: Important Notes

1. GoTimeIt requires BlackBerry Operating System v3.6 or higher.
2. The maximum reset time in countdown timer mode is 23:59:59 (i.e. 23 hours 59 minutes and 59 seconds).
3. Although elapsed times are displayed to a thousandths of a second it is impossible to guarantee the correctness to that degree of accuracy due to various device limitations.
4. Stop watch times are refreshed on an approximately 1 second basis (only approximate due to device and Java limitations) with the exception of when you press the **Lap** or **Stop** buttons at which point the current appropriate elapsed time is displayed.
5. It is important to be aware of the following issues related to device Java memory garbage collection. This may not be an exhaustive list of such issues.
 - a. There may be a longer than usual gap in displayed stop watch times due to the occasional memory garbage collection. This occurs because GoTimeIt is unable to update the time displayed until garbage collection is completed and tries to adjust for this as much as possible.
 - b. If you happen to click the **Lap** or **Stop** buttons while a garbage collection is taking place the actual processing of the button click will only happen after the garbage collection has completed thus potentially yielding slightly incorrect times.
 - c. If an alarm (i.e. completion or interval alarm) is supposed to go off while a garbage collection is in progress then it will only happen after the garbage collection has completed.

While it is impossible for GoTimeIt to control when a garbage collection is going to happen, as this is controlled by the device Java Virtual Machine, efforts are made to reduce the likelihood of it happening while the stop watch is running.