

J2me TimeLog



A nifty mobile time tracker



User Guide

TimeLog v2.0.3

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1 Welcome

Congratulations on your purchase of Timelog. A daily activity/time events recorder written to run on java enabled mobile devices (e.g. cell phones). It is designed with intent of being able to easily record/track daily activities / time events while on the move.

2 Compatibility

The java enable mobile device/phone must support at least J2ME profile MIDP 1.0 / CLDC 1.0 or preferably MIDP 2.0 / CLDC 1.1. Note that as mobile devices varies in the detailed capabilities for MIDP support, it is recommended to test the functionalities of **Timelog** on your designated device prior to using it productively.

Note that sending by Infrared/Bluetooth function requires a JSR82 with OBEX enabled phone/device.

Note that saving to a file on the memory card requires a JSR75 (fileconnect) enabled phone/device.

3 Notes on application installation / deletion


As there are many J2ME capable devices with varied capabilities and installation procedures, it is neither possible nor appropriate to provide you with a specific installation procedure for your device. You should refer to available literature (e.g. user manuals, installation guides, manufacturer support sites, etc) for your device for specific installation instructions.


The following guiding statements are derived from various literature (e.g. Sun Java OTA provisioning) and may or may not work or is relevant for your device:

💡 If you are downloading / purchasing directly online from a WAP application host provider, the application can normally be installed via GPRS / WAP by accessing the WAP application download site using features available on your mobile phone. You should refer to the download/installation instructions from the provider and your phone user's manual.

💡 If you have obtained the installation files **timelog.jad** and **timelog.jar** directly.

You would need to install at least the **.jar** file (which contain the app) to your mobile phone/device using applications provided with your phone (e.g. for Nokia phones using “Nokia Application Installer” from the Nokia PC Suite). For some phones you could simply send the **timelog.jar** file directly to the phone via Infrared or Bluetooth.

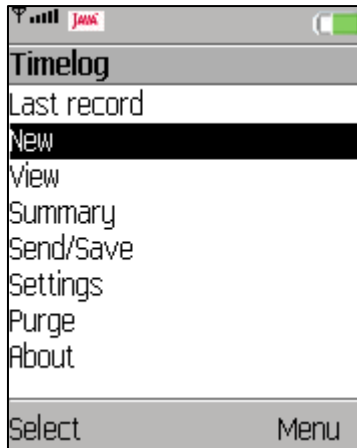
 If you are upgrading to/from a new release of **Timelog** it is recommended to backup the time records (see 4.7 Backing up the records). The records may not be preserved during installation.

 Note that when you delete an application, on most devices all the records for the application are deleted together. Send the records to your email to backup the records.

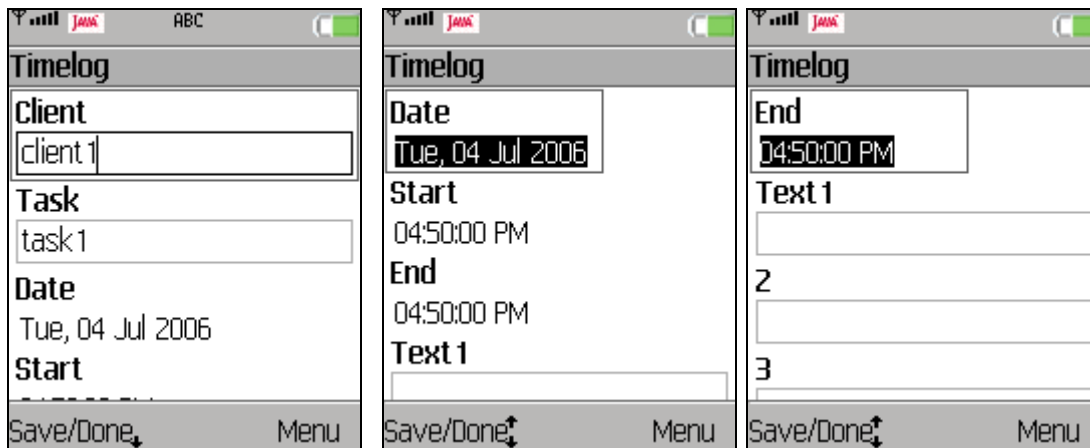
4 Using Timelog

4.1 Creating records

Select **New** to create a new record



The fields available are client / task / date / start / end / text 1 / 2 / 3



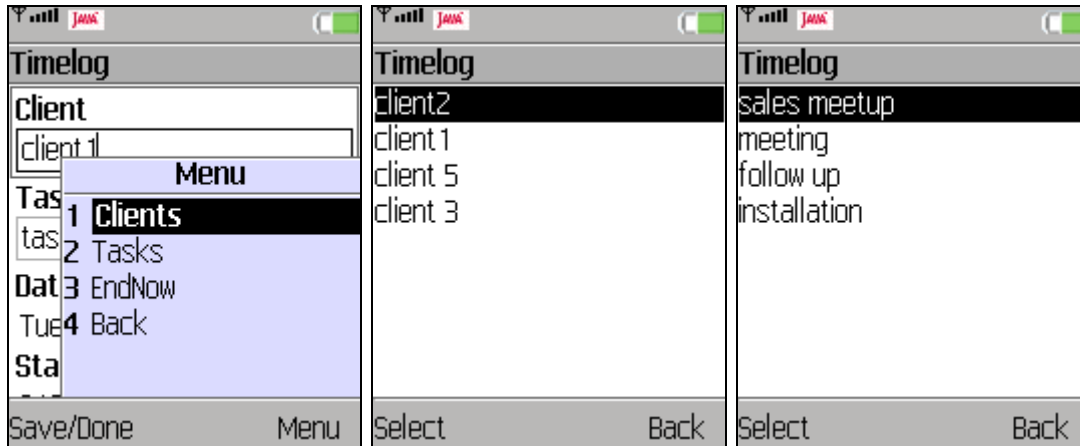
The application defaults the start date / time from the current phone system date/time.

From the menu select **Save/Done** to save the record.

Use the navigation keys on your mobile phone/device to scroll the screen.

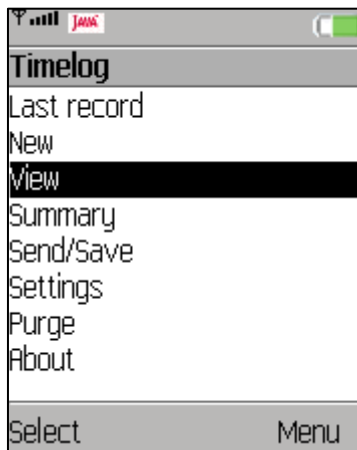
4.2 Clients / Tasks quick lists

You can pick the client and task from existing clients/tasks in other records using Clients / Tasks quick list feature from the menu.

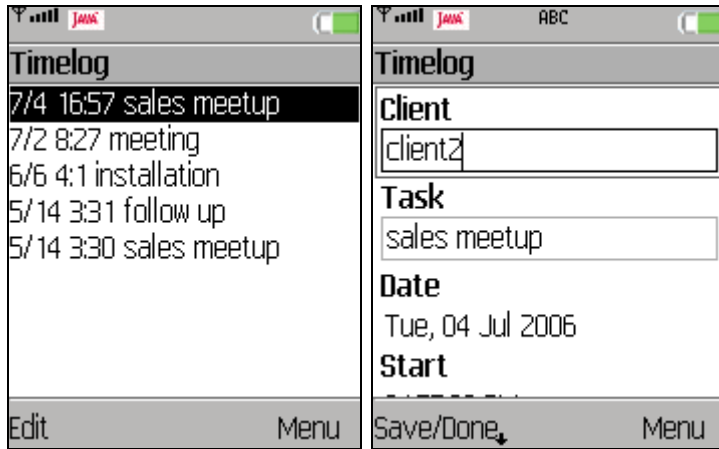


4.3 View / Edit / Delete records

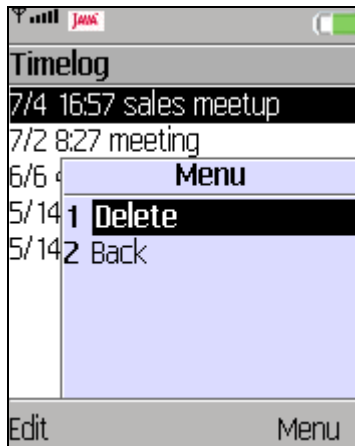
View a list of time records by selecting View from main menu.



Edit the record by selecting it



The **Delete** function is available on the view menu:

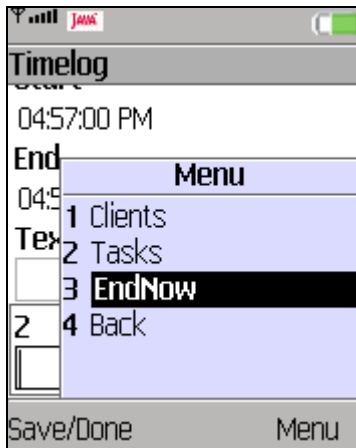


A confirmation prompt would display when you delete a record.

4.4 “Last record” function and “end now”



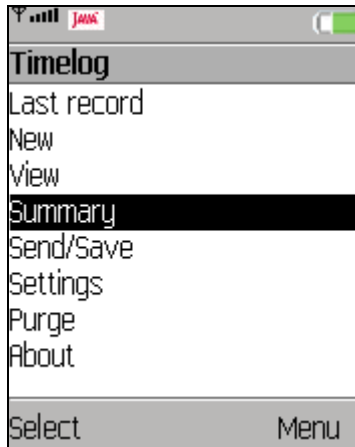
The **last record** function bring up the most recent record (based on start date /time) for edit.



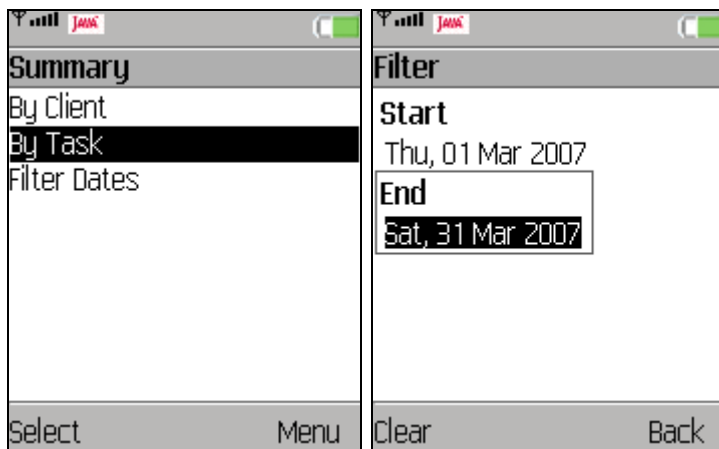
When you are editing records you could also use the **End Now** function from the menu to set the end time from phone system time.

4.5 Summary report

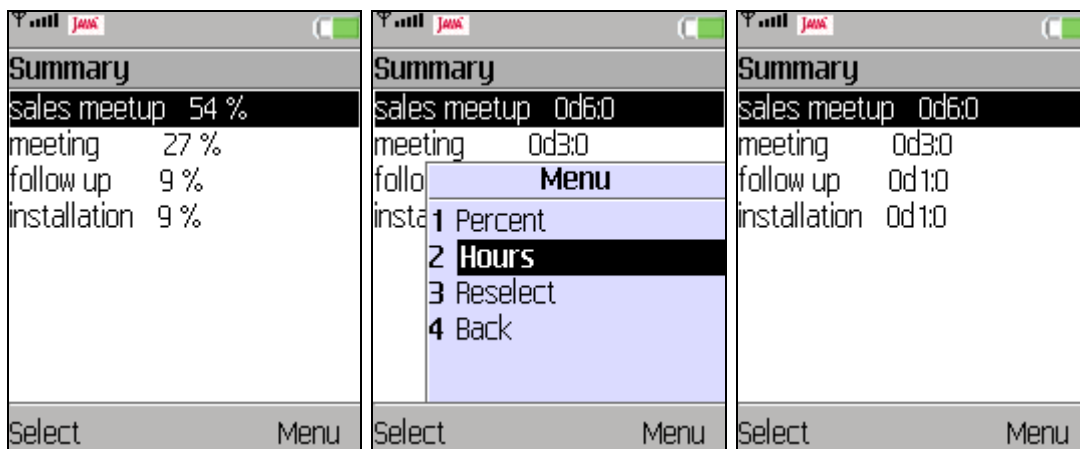
The summary report function provides you with a breakdown of time usage.



Select the criteria which you wanted summary by. You can optionally specify the period for valid records to be included based on the date.



Below shows a sample summary report.



From the summary report menu, you could toggle between Hours (i.e. total hours) or Percentage display.

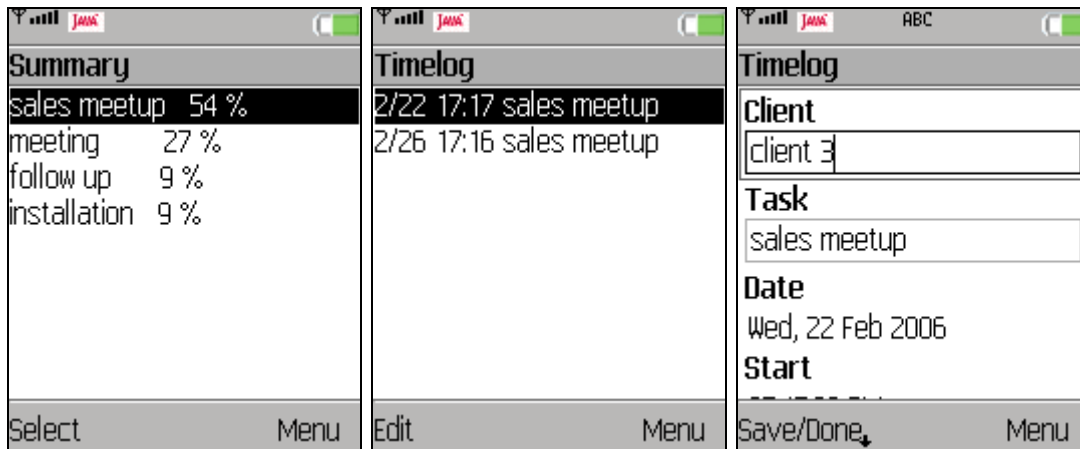
4.6 Drilldown reporting from the summary report



Available from version 2.0.2 and newer versions of TimeLog

From the summary report you could select an item and drill down to the records which makes up the item statistics.


This works by simply selecting/clicking the item you are interested from the summary report.



4.7 Backing up the records

You could backup your records via Sending Email, via Infrared, via Bluetooth, or saving to the memory card.

 Note that sending by Infrared/Bluetooth requires a JSR82 with OBEX enabled phone/device.


 Note that saving to a file on the memory card requires a JSR75 (fileconnect) enabled phone/device.

Note that if your device do not support Infrared/Bluetooth and memory card save functionality, Sending Email is normally available as a means of backup. (most phones/devices should work with this functionality).

4.7.1 Sending Email

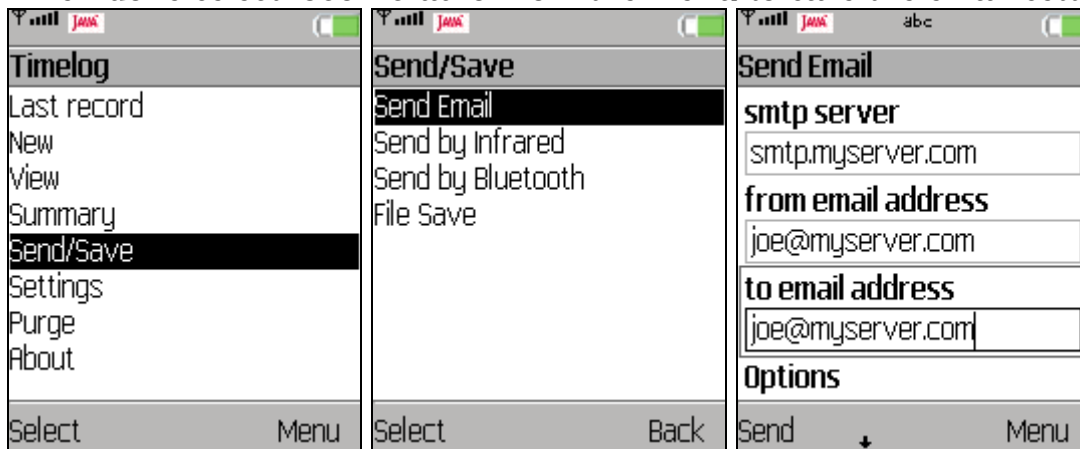
To use the **email** function:

1) Set the **smtp server** to a valid smtp server.

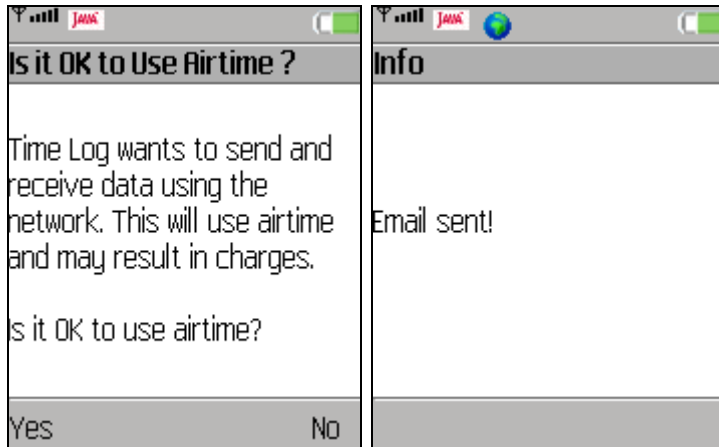
 You may need to use a smtp server provided by your mobile telecommunications service provider. Check with your provider for valid settings.

2) Set the **from** and **to email address** to the email address which you want to receive the records.

When done select '**Set Default**' from the menu to save the email settings.



A notification prompt may appear asking for permission to use airtime.



A sent notification would be displayed if it is successful.

💡 If you are sending more than a few records, it may take a while (e.g. >30secs) before the “Email sent!” prompt appears.

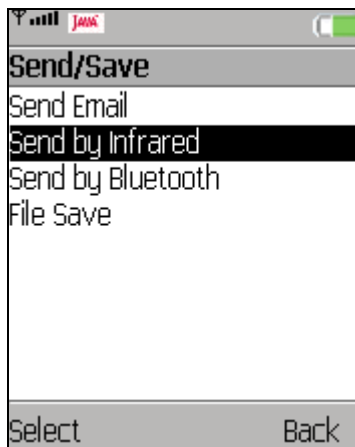
💡 If you are encountering problems with email, you may want to check the **‘trace sending’** option. This option would display mail server responses at the ‘Email Sent!’ prompt.

An email should arrive in your mail box with a text file attachment. This are the records in tab delimited format. E.g.:

Date	Start	End	Client	Task	Comment1	Comment2	Comment3
2006-7-2	11:4	11:4	client1	meeting			
2006-7-1	11:53	0:20		travel			

They can be easily imported into a spreadsheet or another application.

4.7.2 Beaming by Infrared



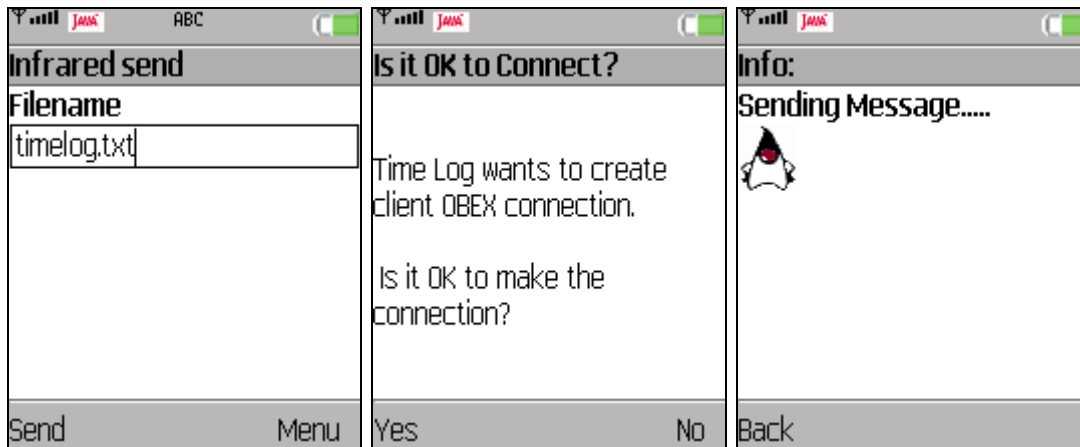
⚠ Note that sending by Infrared/Bluetooth requires a JSR82 with OBEX enabled phone/device.

⚠ In addition, your PC/device should support receiving by OBEX object push profile/protocol. During our tests, it is found that Windows XP, Windows 2000 appear to support this natively (however, your situation may vary).

Specify the filename you wanted to receive on the PC/device and select **Send** from the menu.

💡 Save this filename as the default by selecting from the menu **'Set Default'**. Note that bluetooth send feature use the same default filename as given here.

💡 You may need to activate infrared send/receive feature/function on your phone/device.




A notification prompt may appear asking for permission to use obex/bluetooth connection.

4.7.3 Sending by Bluetooth


Sending by Bluetooth is similar to beaming by Infrared.


 Note that sending by Infrared/Bluetooth requires a JSR82 with OBEX enabled phone/device.

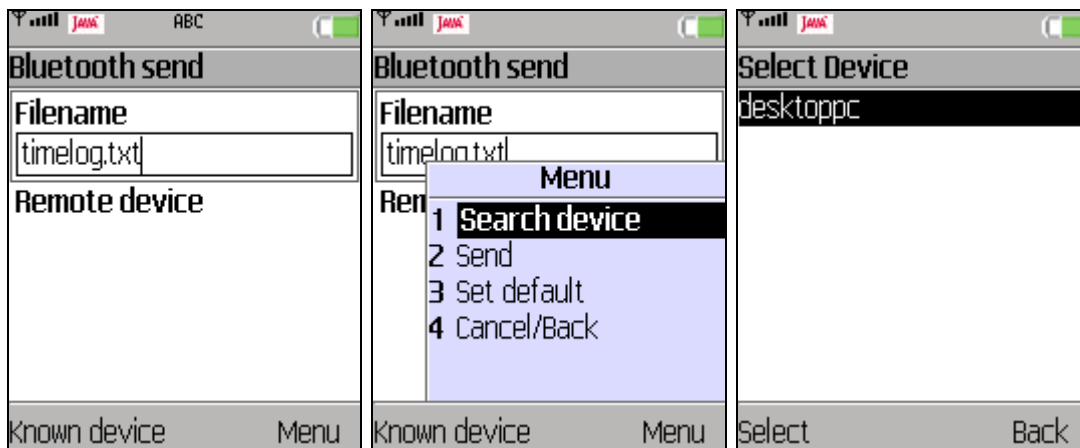
 In addition, your PC/device should support receiving by OBEX object push profile/protocol. During our tests, it is found that Windows XP, Windows 2000 appear to support this natively (however, your situation may vary).

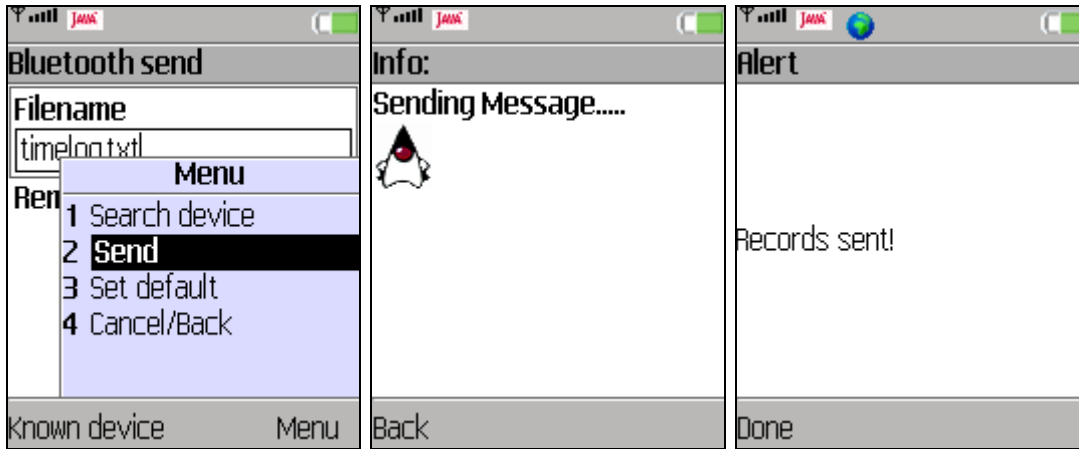
Specify the filename you wanted to receive on the PC/device and select **Send** from the menu.

In addition, you need to select a Bluetooth enabled PC/device to receive the file. Do this by selecting **'Search device'** from the menu. You may want to try using the **'known device'** feature to see if you already have a known device pre-set/cached on your phone.

 Save this filename as the default by selecting from the menu **'Set Default'**. Note that Infrared send feature use the same default filename as given here. Note that the device name would **not** be saved as default.

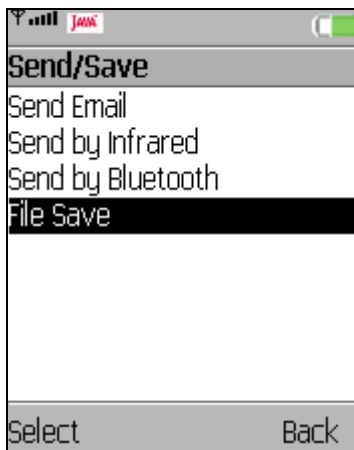
 You may need to activate Bluetooth send/receive feature/function on your phone/device.






4.7.4 File save to memory card

Alternatively, you could save the records to a memory card on a supported phone/device.

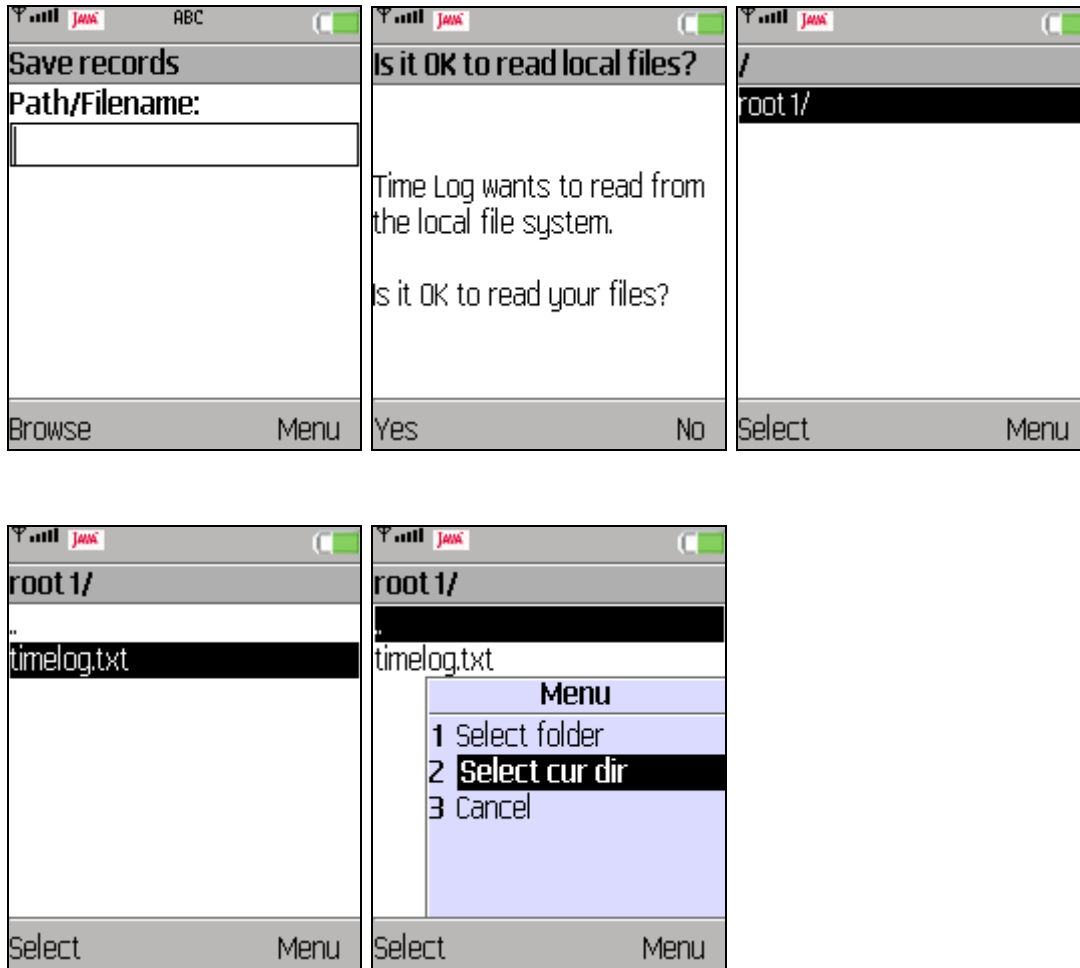


 Note that File Save function requires a JSR75 (Fileconnect) enabled phone/device.

The full path/filename to the memory card is needed here for saving.

You could search for the Directory/filename to save to using the **'Browse'** functionality.

Notification prompts may appear asking for permission to access the files on the system during browse and save.

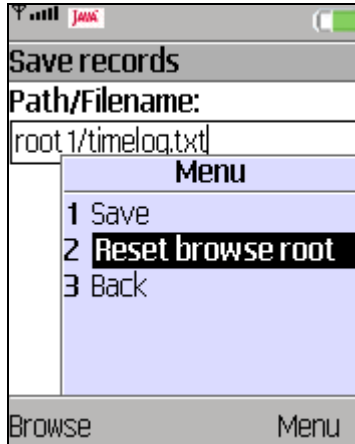


You could either select the filename itself from Browse or use **'Select Cur dir'** from the Browse menu. This function would return the current directory to the 'path/filename' entry field.

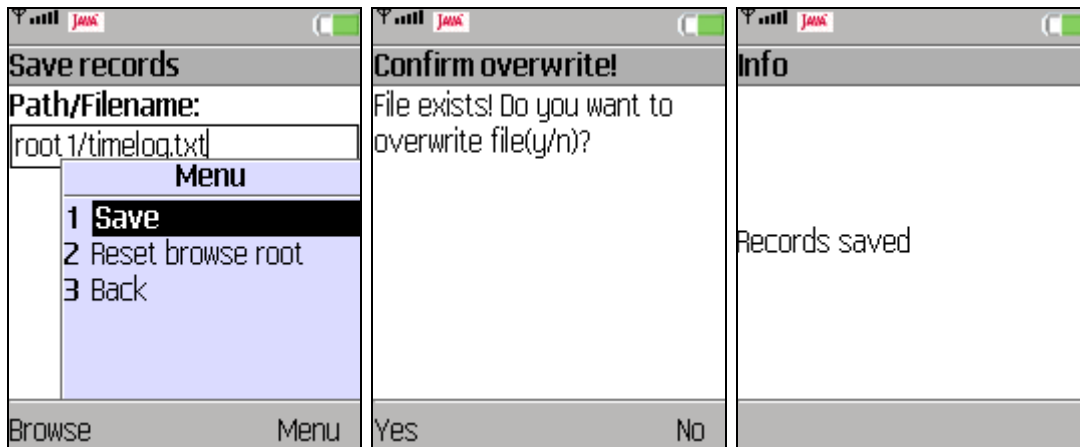
The **'select folder'** menu lets you select a folder instead of drilling further down the folder/directory if the selected entry is a folder name.

💡 The browse function has a 'sticky' directory feature. It remembers the last directory visited and starts from that directory at the next browse. This feature is convenient where deep directories are used to locate a file on the memory card.

💡 When the memory card is changed, use the **'Reset browse root'** from the Save records main screen menu to reset the 'browse root' to the top level directory. Not doing so may cause problems on some phones/devices.



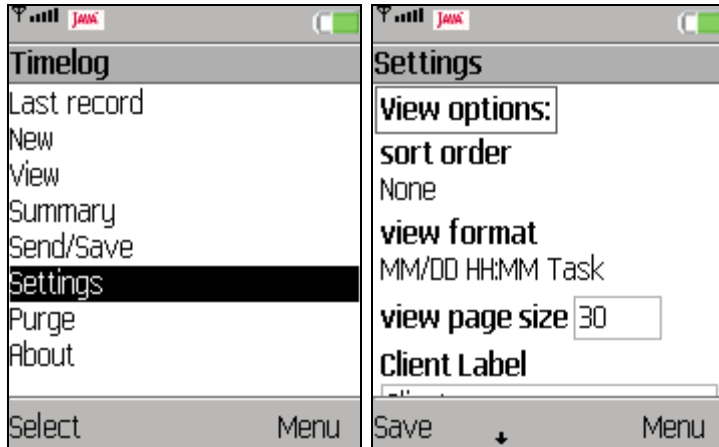
To save select **'Save'** from the save records main screen.



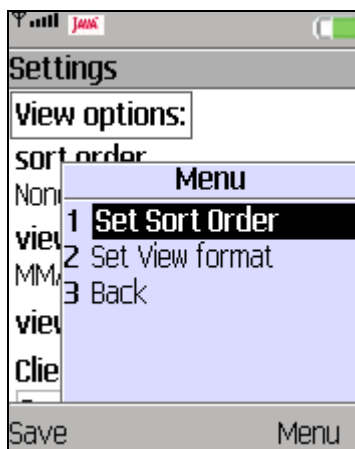
Further notification prompts may appear to ask permission to read/write to the memory card.

If the file exists, an overwrite prompt would be displayed.

4.8 Settings



4.8.1 View options



You can set the **sort order** and **view format** from the menu on settings screen.

1) Setting Sort order

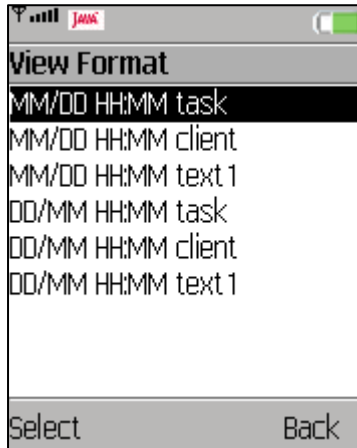


- 3 sort orders for the records view are available:
- None
 - Sort by Date and Start in descending order
 - Sort by Date and Start in ascending order

💡 Sorting could slow down performance when a large number of records are displayed. Set the sort order to “None”, if the “View” listing takes too long.

2) Setting the view format

6 View formats are available



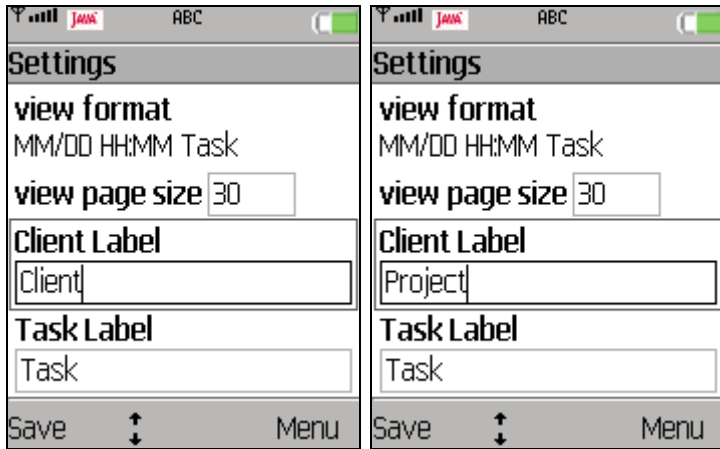
- Month/Day Hour:Minute task
- Month/Day Hour:Minute client
- Month/Day Hour:Minute text 1
- Day/Month Hour:Minute task
- Day/Month Hour:Minute client
- Day/Month Hour:Minute text 1

3) Setting the View page size

The ‘View page size’ controls the number of records displayed in ‘View’ before a ‘more’ or ‘previous’ line is displayed.

💡 Setting a view page size e.g. 30 lines can significantly improve performance when viewing large number of records.

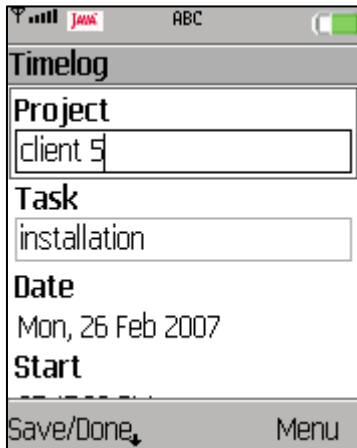
4.8.2 Re-labeling the 'Client' and 'Task' fields.



Re-labeling the 'Client' and 'Task' fields allows you to redefine the 2 key fields 'Client' and 'Task' if you do not organize by 'Clients' and 'Tasks'

Note that this feature do **not** change the data but merely changes the label text displayed on the screens and export headers.

Below shows you example of the effect of re-labeling 'Client' as 'Project':

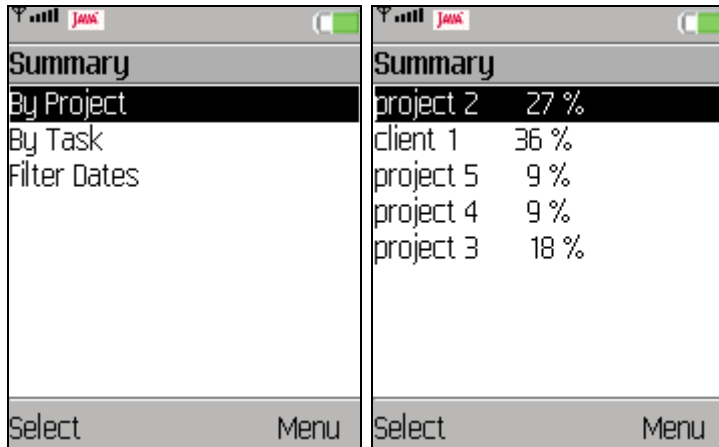


Effect on the 'Time record' entry screen.

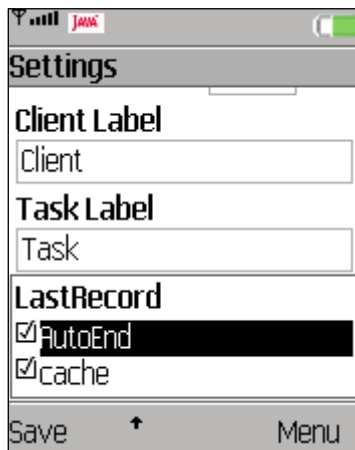
Effect on export header

Date	Start	End	Project Task	Comment1	Comment2	Comment3
2006-7-2	11:4	11:4	client1 meeting			
2006-7-1	11:53	0:20	travel			

And next screens show effect on the Summary view/report. Note that the data is manually changed and it is not affected by re-labeling with this option.



4.8.3 Last record (auto end and cache)



Last record

- **Autoend**

When you create a new record, “Last Record - AutoEnd” option sets the end time of the last record to the begin time of the new record, if the last record’s duration is zero.

This relieves you the laborious task of having to go to the last record and clicking ‘End now’ manually each time you create a new record

- **Cache**

By default, TimeLog search for the latest record looking up the Start date and time of every record in the database. This gets slower as more records are created.

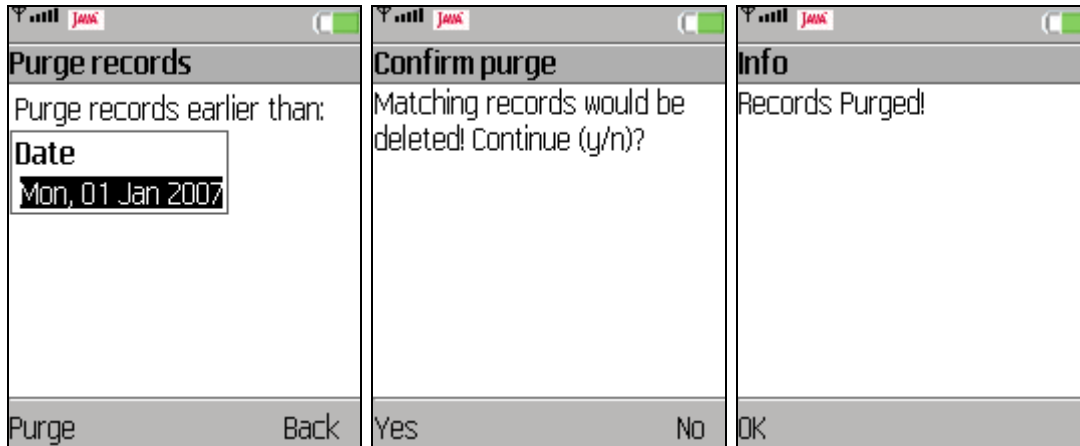
Cache uses a heuristic: it assumes that the last record created is the latest record. This eliminates searches and helps improve response time with ‘Last record’ and ‘Autoend’ features.




Available from version 2.0.3 and newer versions of TimeLog

4.9 Purge records

You can purge records earlier than a specified date



 Note that many mobile devices have limited memory and anomalies can occur when memory runs out (e.g. some devices show empty rows in the View screen). To combat this it is recommended to keep your record store small e.g. using backup and purge records regularly.

4.10 Registration



Registering J2me TimeLog removes the Time Limit (30 days) on the unregistered program.

To register Timelog goto the product order website (currently <http://home.pacific.net.sg/~goh.andrew/j2me/timelog>) and order a registration key.

4.11 License Agreement

The following end user license agreement outlines the terms and conditions for the use of this software. Your use of this software indicates your acceptance of this license agreement and warranty.

Copyright

J2me TimeLog is Copyright© 2008, 2007, 2006 by Andrew Goh. All rights reserved.

Evaluation license

An unregistered copy of J2me TimeLog provides a time limited (30 days) usage of J2me TimeLog. The unregistered copy may distributed freely.

Registered version

You could register the software/program to remove the time limit.

A registered copy of J2me TimeLog provides a SINGLE USER LICENSE to the licensee.

No Warranty

Note that J2me TimeLog have been put through various quality assurance cycles during development and tests on actual devices to ensure that it works well. However, due to the large number of different devices with differing capabilities and to keep prices low, it is not possible to provide warranty on the application.

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THERE IS NO WARRANTY THAT TIMELOG IS ERROR-FREE OR THAT ANY USE WOULD NOT RESULT IN INTERRUPTION, DATA LOSS.

Good data processing practice dictates that any program be thoroughly tested with non-critical data on a non-critical device environment before there is any reliance on it.

Limitation of liability

In no event shall the Author, or its principals, shareholders, officers, employees, affiliates, contractors, subsidiaries, or parent organizations, be liable for any damage or financial loss arising out of the use of, or inability to use, the software/program. In no event shall the Author, or its principals, shareholders, officers, employees, affiliates, contractors, subsidiaries, or parent organizations, be liable for any direct, indirect, incidental, consequential, special, or punitive damages whatsoever relating to the use of the software/program, or to your relationship with the Author, (including, without limitation, loss or disclosure of data or information, loss of profit, data corruption, revenue, business opportunity or business advantage, or business interruption), whether based upon a claim or action of contract, warranty, negligence, strict liability, contribution, indemnity, or any other legal theory or cause of action, even if advised of the possibility of such damages.

ANY LIABILITY OF THE SELLER SHALL BE LIMITED TO PRODUCT AND REGISTRATION REPLACEMENT WITHIN 30 DAYS OF PURCHASE.

Limitations on reverse engineering, decompilation, and disassembly.

Note that the source code for TimeLog is deemed proprietary information and is protected by applicable intellectual property laws. You may not distribute recompiled/altered from disassembly/de-compilation, inappropriately altered (e.g. cracked) versions of the software/program in public domain.