

Travel Light User's Guide

Introduction

Travel Light is a Java application designed for use on J2ME-enabled phones and handhelds. Travel Light comprises of 6 different applications for travelers:

Translate – If you have on-line data connection on your device, you can get the benefit of an unlimited free text language translation. Type any sentence in English and get it translated to French, German, Spanish, Italian or Portuguese or vice versa. Simple, but very powerful and flexible, you can use it instead of dictionary or any fixed phrase translators. Does not require any signup or annual membership.

World Times – a world clock with 550+ cities from 220+ territories, world map, power voltage and international dialing prefixes for each city. Adjustable watch lists with your home city and 4 other around the globe & automatic daylight saving calculator. Plus a simple and easy to use Sun Compass for each city.

EuroEx – an easy to use & flexible currency converter with online rate updates. Specially designed for travelers to and from Europe, it's online update supports most of the European currencies plus some of the major ones around the world: US, Japan, Australia, Canada, New Zealand, Hong Kong, Singapore, South Africa, South Korea. New currencies can be added and rates could be updated off-line, so no GSM/GPRS data connection is needed to function. Best of all, the online rate updates does not require any signup or annual membership.

Convert – an easy to use & flexible non-scientific converter specially designed for travelers. Includes both metrics to imperial unit conversions for Temperature, Area, Weight, Length, Volume and Speed, but also conversions of sizes for Dresses, Pants, Shirts, and shoe sizes for US, Europe, UK and Japan.

Tip Split – a tip calculator with very easy to use interface. Makes accurate post or pre-tax billing, rounding up/down and storage of the last receipt. Use it to calculate everyone's share or only what you have to pay.

Pack List –to help you prepare for and on trips. Never again forget important items on your trips or when you pack your stuff to come back. Customizable, flexible and easy to use, you can add delete and modify items to the list to make it fit your own needs.

Minimum Requirements

This application runs in all phones and other devices that support J2ME MIDP 1.0 & CLDC 1.0 and higher versions. Please check your phone's Java memory before installing any applications. For instructions on how to check your java memory and on how to install Java applications, please refer to your phone's User Guide. For downloading this application, 58K of memory is required. Program Memory Space of 75K and Data Memory Space of 16K is required for the installation.

PalmOS, Nokia Communicator & Sony-Ericsson P900 users should review the support section at the bottom.

Translate

The Translate application provides simple but easy and flexible way to translate any free text form and to multiple languages.

IMPORTANT NOTE: To be able to use this feature, your device must have data connection (http) via GSM/GPRS or other way (serial port to PC and HTTP bridge).

Simply type in the text you want to get translation for in the “Text To Translate” screen, then pick a language translation pair and wait for the result to show.



To select a language pair translation, simply execute one of the soft commands: “English/German”, “English/Spanish”, “English/French”, “English/Italian”, “English/Portuguese” etc. The first language in the command name is the language to translate from and the second (after the “/”) is the language to translate to.



TIP: If the translation you wish for (i.e. Italian/Portuguese) does not show up, you can always translate from your source language to English, and than to your destination language, though the quality of the translation decreases.

The result of translation shows on the “Translate Text” page



To go back to the screen for entering text, simply execute the “Back” command from the soft menu. To see the resulting screen again, execute “View Last”.

IMPORTANT NOTE: The public facing on-line service this application uses does not require signup or any annual membership, is owned by a 3d party and there is no guaranty it will continue to be fully operational in future, nor that it will work all the times. The service can be discontinued, modified or not performing at some times. There may or may not be an update to this application to remedy any such failures should they occur.

World Times

The Watch List

The first time you start World Times you will be greeted with the following message: “The home(+) city must be set first. The home(+) city sets the timezone base for the rest of times shown.” After dispatching this message you will see the main “watch list” screen of the application that will look at the beginning like the image below. If you do not change the home city, the warning message will greet you again the next time you start the application.



To move the current selection up or down use your device’s keys for up or down movement. The selected entry is denoted by black background and white text.

Once you have the selection on an entry you wish to change, just press the normal keys on your device to confirm selection. This will cause the “Find City” sequence to be started. (See “Find City” below). If using stylus or pointer devices – just click once over the entry.

However if the selected to change city is the home (+) city and it has been set before the following message will show first: “The home(+) city sets the timezone base for the rest of times shown.”

If you cannot find the city your look for in the list, pick one in the same time zone and daylight savings – usually the capital of your state or territory or the nearest big city.

After you pick a city, it will show in the selected entry in the “watch list” along with its current time, day of the week and international dialing code. The dialing code comprises of the country or territory international code prefixed with ‘+’ followed by space and the city code if known. Some cities have more than one area code but only the most common is listed on the screen. The prefix of ‘*’ in front of any time shown denotes this city is currently using daylight savings time (1+ hour their normal GMT offset)

After the home city is picked up, your “watch list” screen should look similar to this:



See “Automatic daylight savings” for explanations on cities with trailing apostrophe (’) after their name.

The Home City (+)

Your first task will be to set the home city at the top. The home city is also denoted with the ‘+’ sign in front of it. See “Watch List” above and “Find City” below on how to change any city from the watch list.

The home city sets up the base time. The application knows its hour offset to GMT and its current daylight savings status and it can use this information to calculate the current GMT time and from that the times for all the cities.

If you cannot find the city your look for in the list, pick one in the same time zone and daylight savings – usually the capital of your state or territory or the nearest big city.

Once you select a city to server as your home (+) the times shown for the rest of the cities will change. See below for more information about the home city time.

Set home (+) time

Upon change of the home city, the current time of your device will be automatically used as the time of the home city. In most cases it will be the correct time, since you usually are located in or near your home city or in its time zone and your device system time is set to match the local time.

However, if the current time for your home city is incorrect, you can change it by using the “Set home(+) time” option from the menu controlled by your devices soft keys. (You must have set a home city first; otherwise the warning message will appear.) The time entry, by default pre-filled with the current system time of your device, if changed, will be used as the current time of your home city.

This is also useful in case you move to another city in different time zone, changed your device time but still keeping the original home city. I.e. you moved from New York, your home city, to Rome, Italy, changed your device to local Italian time but still wish to have New York as the home city in the watch list. Use the “Set home(+) time” to adjust the New York time to the correct one, and your watch list will show correct times for 5 different cities around the world.

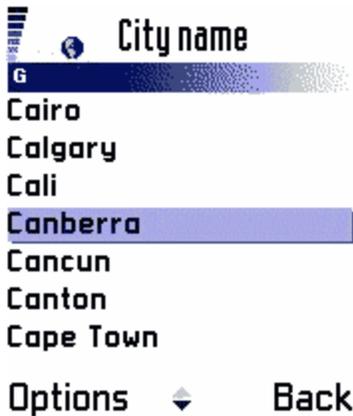
Find City

Whether you are browsing the world map (see “Map/info”), or changing cities on your watch list, you will be presented with list of the city names to choose from.

The first lists allows you to pick the first letter of the city you are looking for:



If you select “Back” from the menu, you are returned to the watch list. If you pick an entry, you will see a list of cities with names starting with your selection:



If you select “Back” from the menu, you are returned to the 1st list. If you select a city from the list, it will show in the world map/info (see “Map/Info”) if the search was started with the “Map/Info” command, or it was started from the watch list to change an entry there, the watch list will show with the chosen city replacing the selected entry in the watch list.

Map/Info

The “Map/Info” command launches first the “Find City” sequence (see above) and after you select a city it shows a screen with world map an cross-hair location of the chosen city, its name, country/territory and its current time including day of the week. On large screen devices, the name, time and additional information is printed under the map. There the screen looks like the one below, and the extra info includes the GMT offset (+1 if daylight saving is on – denoted by the ‘*’ in front of the current time), the international dialing code to the city and the power voltage denoted with ‘~’ in front.



Using the device up/down keys, you can change the city to the previous/next in alphabetical order without the need to do new search. For example if in the above screen you press the down key, the following screen will show:



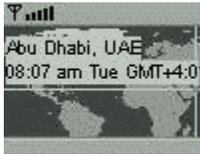
Options

Back

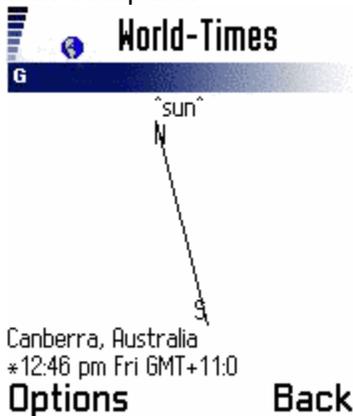
If your device supports stylus (or other pointing inputs), you can move up/down in the list by swiping up/down with the stylus over the map.

If the map is larger than the screen size and the city show appears outside of the boundaries, the map may be panned down and/or right so the cross-hair location of the city still shows.

On small screen devices, where there is no space for text below the map, the text will be shown on the map either below or above the horizontal line of the cross hair:



If you hit either the right key or your soft key for “select” (fire, go, or the middle of the jog dial if any) or tap once with the stylus on it, the screen will change to one showing the Sun Compass.



If you have set the correct time and picked the correct city you are located at or nearby, all you have to do is to point the top of your device (“^SUN^”) towards the sun while holding it horizontally, with the screen facing towards the sky. The line on screen will show the North/South directions (N/S). Of course before sunrise and after sunset you cannot use the compass, but it will still point the correct direction if the top of the device

("^SUN^") is facing the approaching sunrise or the still glowing sunset. You can still browse up/down via the city list – the compass will change accordingly, but the direction shown will not be useful for you position.

If you hit again either the right key or your soft key for "select" (or tap once with the stylus), the screen will change to one showing a text only info – this is useful either because you are on small screen device and need to see all info, or the info is not showing up in full at the bottom. You can browse up/down among the city lists with up/down key (or up/down swipes with the stylus) on your device. In this case your screen will look like the one below:



Options

Back

Hit the left or "select" key again (or tap with the stylus) to go back to the world map mode.

Select "Back" from the menu to go to the 2nd list in the city search. From there you can quickly lookup another city or go back to the watch list.

Automatic daylight savings

To save program space and reduce complexity the application assumes the start or end of daylight changes happens at midnight. In reality most daylight changes occur between midnight and 3 am depending on the country.

The calculation of daylight savings status for the cities in the watch list is done upon startup and when any of them is changed. The daylight saving status of the cities in the map/info browse mode is calculated upon showing the city. This means that if the daylight status of a city is changed meanwhile, the application will not update accordingly the watch lists, as well as the map/info display, if the selected city is not changed. However the daylight change will be reflected if the application is closed or the city on the watch list or in the map/info display is changed.

With the above limitation, the application does calculate correct daylight savings status for most cities that have well-defined and permanent rules about it. However there are cities where the daylight change is not well defined. Examples are south Brazil where the president decides upon exact dates each year, as well as Israel and other territories where the change is voted upon by the government or relies on religious calendar.

For such cases the application makes assumption of when the change is going to happen and may be off by 1-2 weeks (or more) for the start and end dates. Any such city is denoted apostrophe (') at the end of its name. If such a city is picked for the watch list, the following warning message will show each time the application is opened: "DST unknown/approximated for a city, if its name ends with '-symbol. Time(s) shown may be 1 hour off."

Euro Ex

Main/Calc screen

The very first time you run the application, it will be a bit slower to pre-set all the rates.

You will be greeted with the main screen, where the currency conversions are performed, that is similar to the one below but with EUR (euro) as default currency and last update "18-Apr-04" (the date the pre-set rates were built in the application).



Options

Exit

However, after you run the application and change the current use rate to something else (i.e. USD) and do either a manual or online rate update, the main screen will be similar to the one above.

To perform a currency conversion, simply type in the amount without decimal '.' In it (multiply by 100) and select "Calc" soft command. The screen will show the amount in the current currency with proper decimal places and below it will list the converted amount in different currency you have chosen to display. The resulting screen looks like the one below:



Rates

To change the current currency, update, modify or add new currency, select the “Rates” soft command while in the main/calc screen.

The screen you will see will list all available currencies with their 3 letter international codes and current rates (in euro). It will look like this:



To go back to the main screen, just select “Back” soft command.

To set a currency as the default in use for calculations, move the selection to the appropriate item from the list, and execute the “Set current” command. You can go back to the main screen and you will notice the selected currency is the one for which you can now do calculations. The application will save your choice, so your selection will remain in force till changed again.

To delete a currency, move the selection to the appropriate item from the list, and execute the “Delete” command. You will be presented with confirmation page and after confirming with “OK” the selected item will be deleted from the currency list.

NOTE: The EUR (euro) currency cannot be deleted or modified. Its always set to rate of (1.00 euro) and always shown in results for currency conversions.

Edit/ New

To modify a currency, move the selection to the appropriate item from the list, and simply select it. You will be presented with a currency edit page. The same edit page will show if you select to add a new currency, by executing the “New” soft command.

The edit page looks like this:



EuroEx

G abc

Code (3 letters):
New

Rate (x100)
119

Rate for 1 EURO

Show in results

You must always enter the 3-letter international bank code for the currency if adding a new one or modifying an existing one. You can pick whatever letters you like as long as there is no another item with the same code already in the list. The letters will be converted to upper case.

You must enter a positive rate for the currency you are editing. The rate is for 1 euro (base rate) and you enter it without decimal place – simply multiply by 100. (I.e. if the rate for USD is 1.20 for 1 euro, enter 120).

TIP: If you don't know the exchange rate for your domestic or destination currency in euro, but you know it in USD for example, simply set the rate as you know it (for USD) and then set the USD rate to be 100 (1.00 USD for 1.00 euro). In this case the calculation of amounts in that currency will show correctly converted to USD, but will show wrong values for euro and other currencies.

The “show in results” check box controls whether the currency is going to be shown in the conversions in the main screen. It is a good idea to use only 2-3 currencies in your calculations so you will not need to scroll down much to see results. (I.e. pick USD, and you home or destination currencies.)

To save your changes, execute the “Save” soft command. You will be returned to the list of currencies and your changes will be reflected immediately, as show on the screen below. Also, the main screen will show the last date any of the existing currencies was modified, specifying the currency code and denoting “Manual” change.



G

MTL 0.42

PLN 4.77

ROL 40781.00

SIT 238.41

SKK 40.23

TRL 1624833.00

NEW 1.19

Options ^ Back

Reset

The "Reset" command can be used to return all currency rates to the original state. If executed after confirmation, the rates will show as they are of "18-Apr-04" as well as any newly added currencies will be removed and deleted one recovered if present in the original list.

Update

The "Update" command can update the currency rates from on-line source that has new exchange rates each day.

IMPORTANT NOTE: To be able to use this feature, your device must have data connection (http) via GSM/GPRS or other way (serial port to PC and HTTP bridge).

After confirming the update request, the program will try to download the new rates.

The rates are updated at 1:15 pm European central time. The source of the rates is the European Central Bank. Only the original 28 rates the application come pre-installed with are currently supported, however new rates may be added or existing one deleted as more east European countries switch to euro in future.

Only rates with matching 3-letter international currency bank code will be updated. The original pre-installed 29 rates are all supported as of 18th of April 2004. If you remove one of these rates, or change its 3-letter code, it will not be updated. If you add a new rate it will not be updated unless its code matches one of the original 28.

The rates are median bank exchange rates, so they are likely to differ a bit from the rates you get charged at the exchange bureau or at the bank. You may update manually some of the rates you are currently using after download with +2 to +5 (2, 5 cents) to get more accurate cost.

After an online rate update, the main screen will show that last date and number of currencies that have been updated online.

IMPORTANT NOTE: The on-line rate update does not require signup or any annual membership for the service and as such there is no guaranty it will continue to be fully operational in future, nor that it will work all the time. The service can be discontinued,

modified or not performing at all times. There may or may not be an update of this program to remedy any such failures should they occur.

In all cases, the manual rate updates and calculations will still work.

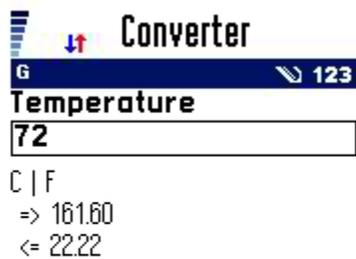
Convert

The application allows you to convert with ease units and sizes when traveling to foreign countries. The main screen is the list of possible conversions and looks like this:



The first 6 conversions are for unit: Temperature, Area, Length, Weight, Velocity and Volume. The last 5 conversions are for clothing and shoes: Dresses, Shirts, Pants, Adult's shoes and Kid's shoes.

The unit conversions, if selected, show you a screen with one entry field. You can type in only whole numeric values in the field. Once you enter the value you are seeking to convert, execute the "Calc" command from the soft menu and results will show under the field.

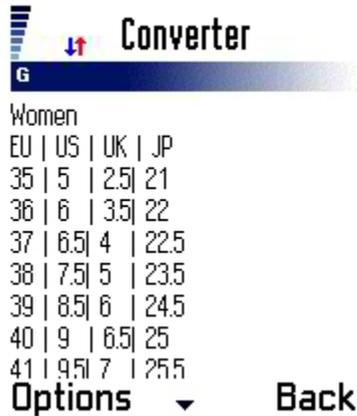


Options Back

The results display in a list of 2-units conversions by first denominating the units being converted (Celsius & Fahrenheit in the above sample) followed by the converted results. The "=>" symbol designates conversion of the entered value as being from the first unit to the second (Celsius to Fahrenheit) and the "<=" symbol designates conversion of the value as being from the second unit to the first. All values are calculated with precision of 2 decimal points.

You may need to scroll the screen down to see all the results.

The last 5 conversions for dresses & shoes do not show a page with entry fields, but instead bring a page with conversion matrix:



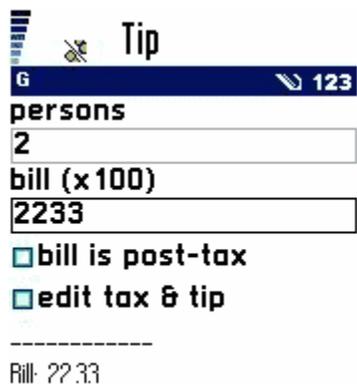
The US, UK, EU and JP abbreviations are for United States, United Kingdom, European union and most other countries and JP for Japan. You may need to scroll down to see all the results.

To go back to the first screen – the list of conversions, from both the unit & dress conversion pages, simply execute the “Back” command from the soft menu.

Tip Split

The first time you run the application (and on the next if no tip calculation is performed yet) the following message will show up: "Enter bill, tax and tip without '.' (x100). Results show at the bottom."

The main screen is shown only after the user dispatches the message and it will look similar to this (without the entered values, and no result at the bottom):



The message deliver important thing to remember for this application: that there is no minus (-) sign nor decimal separator allowed for the bill, tax & tip fields. For these fields all the values are entered as positive integers with the last 2 figures assumed to be after

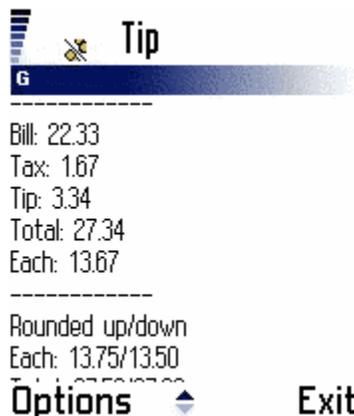
the decimal point. This means that for a bill of \$22.33 you will have to enter as 2233 (see the above image).

Initially the tip & tax fields are hidden till the “edit tax & tip” checkbox is set. The initial values for the tax is 750 (7.5 %) and for the tip is 1500 (15 %). If you modify these values and perform a single calculation, the values will be stored by the application and used for next calculation (the values are preserved even after closing the application). The range of values is 0-9999 (0-99.99%). See below:



After you enter the number of persons (1-99) and the bill (1-9999999, meaning \$0.01-\$99999.99) you can select the “Calc” command from the menu and the results will show below the entry fields. If you do not enter acceptable numbers for the persons, bill, tip or tax an appropriate warning message will be shown but only when you try to execute the “Calc” command, not while typing in.

The results of the calculation are displayed at the bottom and usually require scrolling to be seen in full. The result includes the bill, the tax being paid the tip and the total amounts as well as how much each person owes. A rounded up/down section follows where the each person bill is rounded up or down on 0.25 increments and the resulting total & tip are shown. See below:



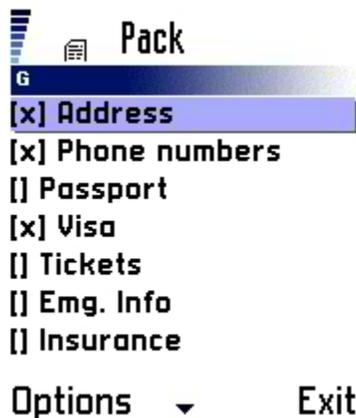
After any successful tip calculation a new “Save” command is available via the menu. If executed, the current result along with the current date will be saved and will be shown in the main screen of the tip calculator (in the place of the result at the bottom) the next

time the application is started – thus allowing convenient tracking of expenses. The “Save” command is removed from the menu if executed, till a new calculation is performed. Each new calculation replaces the “saved” result being shown if any.

The “bill is pos-tax” box is used in cases where the bill you have in hand list only the total, post tax amount. If this check box is selected, the application will deduce from the current tax what was the original bill and show it in the result.

Pack List

The first time you run this application, you will see a pre-set list of unchecked items that usually are needed when you go on travel.



You use the list as reference – to remember to pick the item or act upon it before you leave.

You mark an item as “done” by simply selecting it. This will place a check mark on the item. If you “select” the item again, the check mark is cleared. Your marks are immediately preserved, so you can exit the application and come back again.

To clear all items, execute the “Reset” command from the soft menu and confirm the operation on the warning dialog. This is useful if you prepare for new trip, or you are coming back and don’t want to leave back anything in the hotel.

You can delete any item in the list by executing the “Delete” command from the soft menu and confirm the operation on the warning dialog. The item will be immediately removed from the list.

You can add a new item to the list by executing the “New” command from the soft menu and then type in the name of the item. Select “Save” command to add the new item, or “Back” command to abandon your changes. Multiple items in the list can have the same label. The new item will be added to the end of the list and will be unchecked.

To change the title of an existing item in the list, move the selection to the item, and then execute “Edit” command from the soft menu. You will see a page with entry field where you can modify the item’s label, which is pre-filled in the field. Select “Save” command to add the new item, or “Back” command to abandon your changes.

Summary

Travel Light offers a convenient way to have free text language translation, multi-city world clocks, currency conversion with on-line rate updates, tip calculator, converter etc. on a device that most users will have already - their mobile phone. In addition the software is only a fraction of the price of equivalent software for the Palm and Pocket PC.

Support

For support in using Travel Light, please contact j2me_apps@yahoo.com.

For support in downloading Travel Light please contact your operator or one of the software distributors. If you have purchased the application and the download failed, again please contact the operator or distributor in the first instance. If you have trouble getting the application you have purchased from the operator or distributor please email j2me_apps@yahoo.com and attach the invoice to the email and we will arrange a link for you to download the software. If you'd like to get more information about this product or any others from same developer, please visit the www.geocities.com/j2me_apps web site.

PalmOS:

Please make sure you have Java VM installed. You must use the WebSphere Micro Environment, available at <http://www.palmone.com/us/support/jvm>.

Also, make sure you have at least 900Kb heap memory.

Nokia Communicator Series:

Make sure you have the latest patches form Nokia and you are running the application as J2ME (MIDP 1.0/CLDC 1.0) not PersonalJava. To get J2ME/MIDP on your Nokia and run the application follow the steps below:

Step 1: Installing Java (usually this component is preinstalled)

Copy Java.SIS, located on the CD that came with your device at Software/Communicator/Device/Java.SIS, to your Communicator
Select Install/Remove from the Control Panel.

Choose "Install new" and choose the Java.SIS file now located on your Communicator

Step 2: Installing MIDPUI

Login to <http://www.forum.nokia.com>

On the right-hand vertical menu select Java->Tools and SDKs->MIDP. Scroll down the page to the heading "MIDP Software for Nokia 9210 Communicator"

Download MIDP_beta_sw_for_9210.sis

Copy MIDP_beta_sw_for_9210.SIS to your Communicator

Select Install/Remove from the Control panel

Choose "Install new" and choose the MIDP_beta_sw_for_9210.SIS file now located on your Communicator

Step 3: Installing Travel Light

Copy: cw.jar and cw.jad to your Communicator (if you did not get the jad file – send a request to j2me_apps@yahoo.com)
Run MIDPUI from the Extras menu
Press the "Menu" button on the Communicator's keyboard
Choose File->Install->File
Select your copied "cw.jad" file to Install

Step 4

Run from "Extras" MIDPUI – then select Travel Light.

Sony-Ericsson P900:

The initial version of the Sony Ericsson P900 software (R1* Organizer) exhibited some serious problems, which appear to be fixed in the R2* Organizer release. Upgrade to the latest software: go to <http://www.sonyericsson.com/updateservice/P900/frameset.htm> and follow the instructions.

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Termination

This Agreement is effective until terminated. This Agreement will terminate immediately without notice from the Developer if you fail to comply with any provision of this Agreement. Upon termination, you must destroy all copies of Software.

Severability

If any provision of this Agreement is held to be unenforceable, this Agreement will remain in effect with the provision omitted, unless omission of the provision would frustrate the intent of the parties.

Modifications of the Agreement

No modification of this Agreement will be binding, unless in writing and signed by an authorized representative of each party. For more info about this application, or any questions please feel free to send them to j2me_apps@yahoo.com

Contact Information

For contact information see http://www.geocities.com/j2me_apps/.

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