

Tangoe rTEM for Symbian User Guide

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Overview

The 'Tangoe rTEM' application is intended to assist the user to monitor data, SMS and voice calls. A user can receive plans with selected parameters from a server or create his own plan for monitoring his costs. The user will receive notifications if the limit of SMS, data or voice is overdrawn. The application's main goal is to save user against unforeseen cost overages.

The application is designed for Symbian S60 3rd ed., 5rd ed., Symbian ^3 smartphones.

Installation

Here is a brief description on how 'Tangoe rTEM' can be installed using a computer with Windows XP and newer:

1. Make sure you have installed Nokia PC Suite or its equivalents
2. Connect your phone to the computer with a USB port
3. Launch Nokia PC Suite and find the 'Install application' tool button
4. Select downloaded 'Tangoe rTEM' .sis file, push the install and continue installation on your phone

Alternatively, you can double click on the .sis file in the explorer and Nokia PC Suite will launch the installation for a connected phone.

Features

The application functionality is quite wide and covers the following features:

- gathering data, SMS and voice call usage;
- analyzing data, SMS and voice call usage;
- popup notifications;
- background work. The application starts on boot and keeps you informed with the latest information;
- cut off service for data and voice usage;
- GPS location retrieving;
- wizard for plan and network settings;
- enterprise account settings;
- data, voice and SMS plan settings;
- separate data plans for cellular and Wi-Fi interfaces;
- separate roaming settings for data, voice and SMS;
- free-friends management;
- free evening and weekends management;
- thresholds, limits and alarms settings;
- supported languages: English, German, French, Spanish, and Italian;
- details for data, voice and SMS usage.

Application screens

EULA

The EULA screen is displayed when the application is first launched. User must accept the EULA to continue working.

Wizard

The wizard screen is displayed after the EULA has been accepted. It contains customization for parameters for cellular and Wi-Fi plans, Enterprise account settings. In the wizard a user is able to customize his own limits for data, SMS and voice, as well as set thresholds, enter license information or save all parameters by default. The wizard information can be collected into an email, which is sent to an enterprise provider as a registration request.



Figure 1. Plan information screen

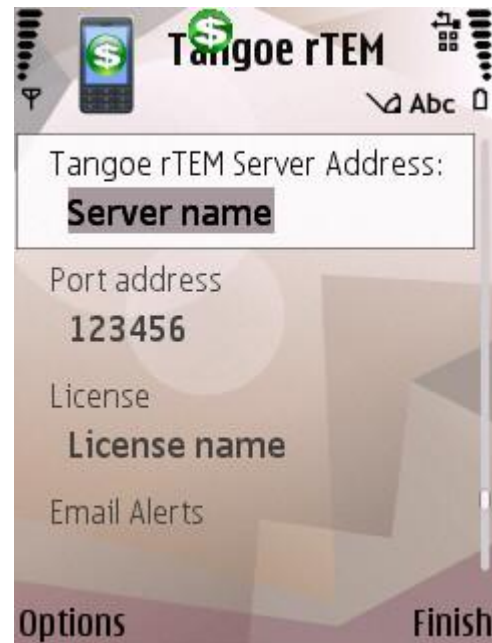


Figure 2. Contact information and server settings

Main screen

The screen helps you navigate to different application sections, such as 'Setup', 'Details' and 'About'. You can launch the wizard again and view messages using the options menu.

Setup plan

The 'Setup' item on main screen leads to this screen. The user is prompted to set up his own plan or see the received plan from server. He can change the server and license settings in the 'Global settings' section. If a plan is received from a server, fields in this screen are read-only. If server name is empty or port is invalid, no communication with a server is performed.



Figure 3. Global settings

Data plan

Setup your data plan fulfilling the following steps:

1. Select tab 'Cellular Symbian';
2. Enter a name of your plan in the field 'Plan name';
3. Choose an interval in the field 'Interval'. Choosing 'Monthly' will roll over your usage every month;
4. Enter a roll over date in the field 'Plan billing date';
5. Enter a roll over time in the field 'Plan rollover time';
6. Switch 'Combined up/down plan' to 'Yes'. It enables same limits and thresholds for up/down usage. If you want to use different limits, switch 'Combined up/down plan' to 'No'. When the option is switched, the limit fields are emptied;
7. Enter data limits in fields 'Data limit' and 'Data unit'. If 'Combined up/down plan' is disabled, you are able to enter values in fields 'Up limit', 'Down limit', 'Up unit', 'Down unit'. Available units are KB, MB, and GB;
8. Choose limit thresholds. The value of the upper limit must be greater than the lower one, or turned off. If 'Combined up/down plan' is disabled, each usage direction have own limit thresholds;
9. For Wi-Fi plan configuration select tab 'Wi-Fi Symbian' and repeat actions 2 to 8;
10. Choose 'Save' to save and apply all changes.

NOTE: When plan is received from server, all fields in this screen are read-only.

Voice and SMS plan

Setup your data plan fulfilling the following steps:

1. Enter minutes count in the field 'Voice minutes max';
2. Enter SMS count in the field 'Allowable SMS';
3. Switch fields 'Free incoming SMS' and 'Free incoming calls' to 'Yes' if you have free incoming SMS and free incoming voice calls correspondingly;

4. Switch field 'Free weekends' to 'Yes' if you have free minutes and SMS on Saturday and Sunday;
5. Switch field 'Free evenings' to 'Yes', if you have free minutes and SMS in evening every day. Enter the evening start and end times in the fields 'Free evening start at' and 'Free evening stop at' correspondingly;
6. Open 'Free friends' to manage your friends, which are free for you in both directions (incoming / outgoing) for SMS and voice calls. You are able to choose a contact from your contacts or manually enter phone number. You are prohibited to add same numbers in the list, but you are able to modify or delete them;
7. Choose 'Save' to save and apply all changes.

NOTE: When plan is received from server, all fields in this screen are read-only.

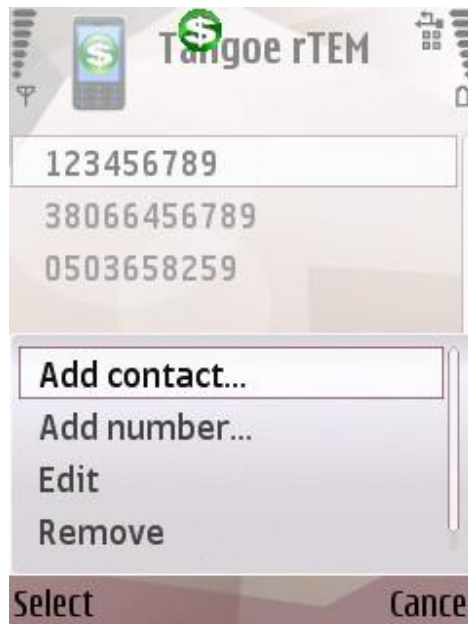


Figure 4. Free friends

Roaming top-up

If your phone is in a roaming state, these limits are activated. The settings are disabled, if you have a plan from the server.

Setup your roaming plan fulfilling the following steps:

1. Enter data limit in fields 'Roaming data top-up' and 'Roaming data top-up unit';
2. Enter minutes count in the field 'Roaming minutes top-up';
3. Enter SMS count in the field 'Roaming SMS top-up';
4. Choose 'Save' to save and apply all changes.

Native settings

Use 'Native settings' screen to change the following settings:

- Default access point for network communication;
- Enable/disable the application's auto start option.

Data details

This screen can be opened by selecting the 'Data' item in 'Details' menu. You can see all information for cellular and Wi-Fi data usage separately. The usage details are shown in bytes and as a percentage. If your plan is not received from the server, you are able to reset counters using the 'options' menu.

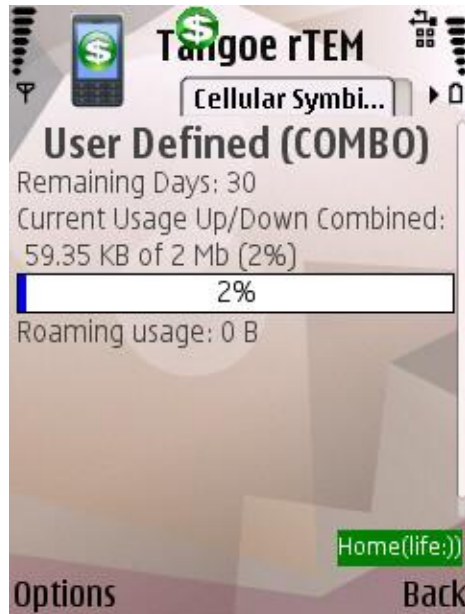


Figure 5. Data details screen
for Cellular plan

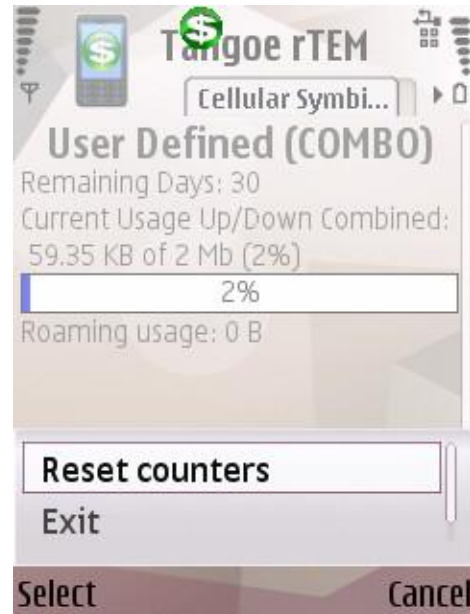


Figure 6. Reset counters

Voice details

This screen can be opened by selecting the 'Voice' item in 'Details' menu. Different details sets are separated to tabs 'All minutes' and 'Billable minutes'. You can see separate counts for different categories and usage directions. Usage percentage is available for billed calls.

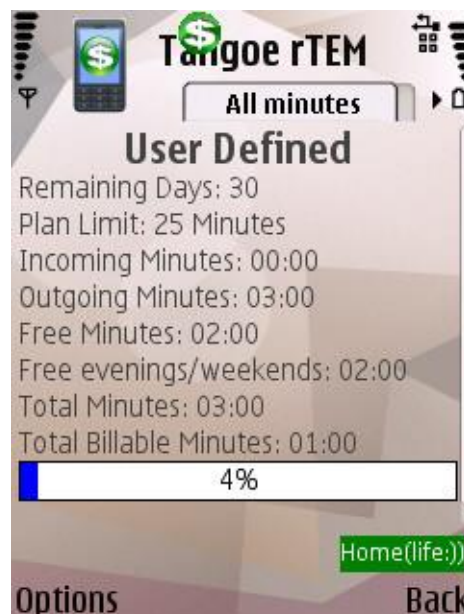


Figure 7. Voice details screen

SMS details

This screen can be opened by selecting 'SMS' item in 'Details' menu. You can see separate counts for different categories and usage directions. Usage percentage is available for billed SMS.

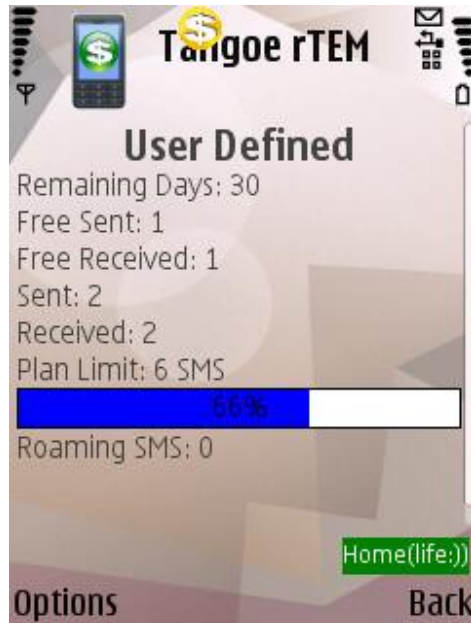


Figure 8. SMS details screen

Notifications and messages

The application provides some text notifications to user, such as:




- Plan is received;
- Connect to server is failed;
- Usage and limit alarms;
- Cut off for data or voice is started.







The last three messages are available from the Options menu on Main screen. Some alarms can be set to repeat by altering the option 'Alert frequency' in 'Global Settings' on the 'Setup' screen. The alarms aren't shown for roaming top-up limits.

Status icon

There is an icon on the top of the screen which is displayed over most other applications. The icon relies on currently active plan, which depends on Wi-Fi connectivity state.

The following table describes all possible icons:

Home	Roaming	Icon	Description
		Grey icon	Application is launched. No data connections or calls are active
		Green icon	Current data usage has not exceeded any threshold

Home	Roaming	Icon	Description
		Yellow icon	Current data usage exceeded yellow threshold
		Red icon	Current data usage exceeded red threshold
		Limit icon	Current data usage has overage
		Icon is hidden	Current data usage has not exceeded any threshold and the test mode is disabled

Status Pane

The pane is located in bottom of screen, it contains network information and server messages indicator.

Status pane shows information about active plan and connectivity. It is shown on red color, when the phone is in roaming mode; otherwise, green color is shown.

An envelope icon becomes visible on left side of status pane when server sends message to user. User is able to navigate by keyboard or touch screen to the icon and view the messages.

Cut off service

Cut off service can be enabled by a plan from server for data and/or voice calls. The service terminates network connections and billed voice calls, when the limit overage is occurred. The voice call is terminated on the 45th second. Any termination is followed by text notification.

User registration

The user can request a registration of an Enterprise account by sending an email that is pre-filled after the wizard completion on first launch.

Our contacts

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