



WEB USER MANUAL

for the

INTERNET BASED USER INTERFACE

This document describes the use of the Trac-King Internet Interface as developed jointly by Thermo King Corporation of headquarters 314 West 90th St, Minneapolis, USA and CELtrak Ltd. of headquarters Dunmore Rd. Tuam, Co. Galway, Ireland.

This document provides a functional overview of the system and the features that are available in conjunction with Trac-King hardware. Further information on Trac-King and its related features is available from your Thermo King dealer and also from the website www.trac-king.com

TABLE OF CONTENTS

1. INTRODUCTION.....	4
1.1 Logging In	4
1.2 Homepage.....	5
2. PHONEBOOK.....	6
2.1 Vehicle Address Books.....	6
2.2 Contacts.....	7
3. TOOLS.....	9
3.1 Poll.....	9
3.2 Call-Back	10
3.3 Reset	11
3.4 Temperature	12
4. COMMANDS.....	13
4.1 Odometer	13
5. SETTINGS.....	14
5.1 Tracking List.....	14
5.2 Sorting.....	15
5.3 Speed Limits.....	15
5.4 Temperature	16
6. MESSAGE.....	17
6.1 Send Message.....	17
6.2 Read Message.....	18
6.3 Auto-Answer.....	18
7. REPORTS.....	20
7.1 Report.....	20
7.2 Reefer Utilisation.....	21
7.3 Trailer Utilisation	22
7.4 Frequent Alarms.....	22
7.5 Alarm History	24
7.7 Temperature	24
8. DEALER / HELP.....	26
8.1 Online Help.....	26
8.2 Download Help File.....	27
8.3 Dealer Details.....	27
8.4 Customer Registration Forms.....	28
8.5 Installation Instructions.....	29
8.6 Spare Parts Order Forms	30
9. LOGOUT.....	31

1. INTRODUCTION

1.1 LOGGING IN

Username and password control access to Trac-King Internet tracking, asset and temperature monitoring service.

To register for the Trac-King Service please contact your nearest Thermo King dealer.

To Log in visit www.trac-king.com. The following will appear on the screen:



The screenshot shows the Trac-King login interface. At the top is the Thermo King logo with 'TRAC-KING' in large letters. Below it is a blue bar with 'INTERNET TRACKING LOG-IN'. Underneath are two text input fields, one labeled 'LOGIN' and one labeled 'PASSWORD'. At the bottom, there are three language selection buttons: 'French' with the French flag, 'German' with the German flag, and 'English' with the UK flag.

1. Type in your Username and Password in the spaces provided.
2. Click on the language button of your choice.
3. This will log you into the homepage.

1.2 HOMEPAGE

On logging in, the home page screen will appear:

	Unit ID	Position	Speed KM	Time	Date	Dis	Ret	Set	Alarms	Status
<input type="checkbox"/>	9138HC21	15.30 km South-West of Redbank Airport	0	12:07:54 PM	8/14/2001	-0.5	2.5	0	0 0 0	High Speed Cost
<input type="checkbox"/>	9458HC21	9.64 km South-West of Cothill	0	12:03:03 PM	8/14/2001	0	0	0	0 0 0	Not Invoiced
<input type="checkbox"/>	7bc108	9.74 km South-West of Wealden	0	10:23:03 AM	8/14/2001	0	0	0	0 0 0	Not Invoiced
<input type="checkbox"/>	7bc501	22.21 km South-West of Altona (in)	0	10:22:54 AM	8/14/2001	0	0	0	0 3 0	Not Invoiced
<input type="checkbox"/>	7bc65	4.88 km South-East of Lissad	0	12:47:32 PM	8/13/2001	0	0	0	0 0 0	Not Invoiced
<input type="checkbox"/>	RT21	9.85 km South-West of Bannock	97	11:03:01 AM	8/13/2001	-1.3	0.9	0	0 0 0	High Speed Cost
<input type="checkbox"/>	7bc784	1.49 km South-West of Tuam	0	10:10:38 AM	8/13/2001	-	-	-	0 0 0	Excess
<input type="checkbox"/>	6A097	1.80 km South-East of Oxewy	0	8:52:30 AM	8/13/2001	0	0	0	0 0 0	Not Invoiced
<input type="checkbox"/>	7bc802	3.23 km South-East of Fox	0	9:52:28 AM	8/13/2001	0	0	0	0 0 0	Not Invoiced
<input type="checkbox"/>	2479W782	12.54 km South-East of Lissad	0	9:52:16 AM	8/13/2001	0	0	0	0 0 0	Not Invoiced
<input type="checkbox"/>	4887W782	30.30 km South-West of Chisle	91	9:51:39 AM	8/13/2001	-27.7	-24.4	-25	0 0 0	Power Off
<input type="checkbox"/>	7bc14	Position not available	0	1:59:21 PM	8/8/2001	-	-	-	0 0 0	Excess
<input type="checkbox"/>	7bc13	0.70 km North-East of Tuam	0	1:29:41 AM	8/8/2001	18.2	18.4	9	0 1 0	Not Invoiced
<input type="checkbox"/>	7bc15banc1	7.30 km South-West of Minerva (in)	0	7:14:21 AM	7/27/2001	-24.4	-24.1	-5	0 0 0	Not Invoiced
<input type="checkbox"/>	7bc16	0.70 km North-East of Tuam	0	5:06:19 PM	7/18/2001	14.7	17.2	10	0 0 0	High Speed Cost
<input type="checkbox"/>	7bc17	0.70 km North-East of Tuam	0	2:39:27 PM	8/28/2001	18.5	19.1	3	0 0 0	Low Speed Cost

From this screen a number of functions can be performed:

1. To Poll a vehicle:

Click on the Unit ID of the vehicle that you wish to poll. This will update the screen with the current unit position highlighted in yellow.

2. To view a vehicle on a map:

Click on the "Position" of the vehicle. This will open up a new window displaying the map.

3. To sort by "Unit ID"

Click on the "Unit ID" button.

4. To sort by "Time" or "Date"

Click on the "Time" or "Date" buttons

5. View Unit Alarms:

Any alarms on the units can be viewed by clicking on the "Alarms" box corresponding to the unit.

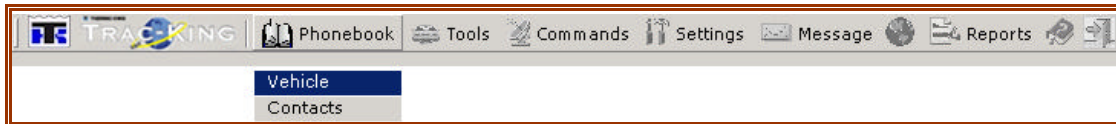
To access all of the other functions that are available with the Trac-King service use the menu that is provided at the top of the page:

2. PHONEBOOK

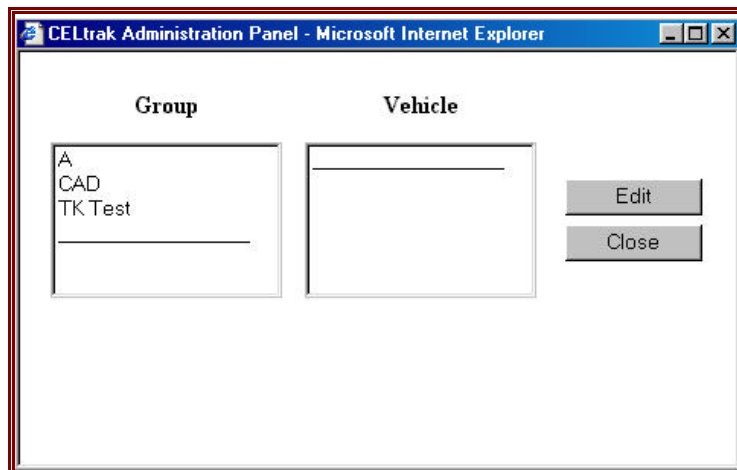
There are two address books that are accessible by clicking on the address book button. These are vehicle address book and contact address book.

2.1 VEHICLE ADDRESS BOOKS

These contain details of all of the units that are registered on the system. Access to this menu is available by clicking on the following button:

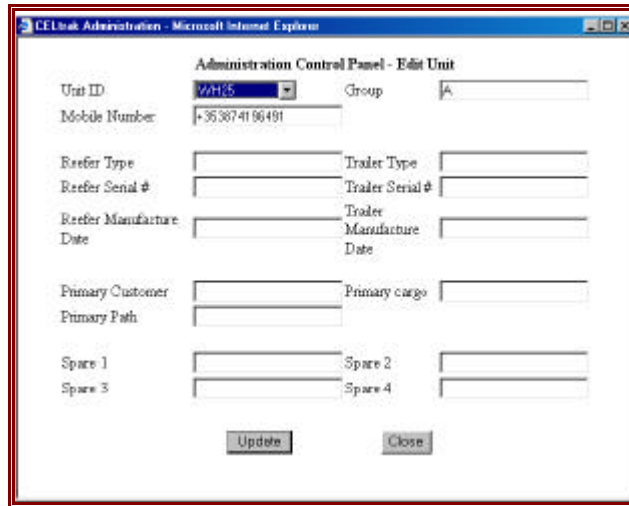


This will open up a menu as follows:



This feature will allow you to view, edit and delete units that are listed under the various groupings. This feature will also allow you to move units between various groups depending on your configuration requirements.

1. To view all of the units listed under a particular group, click on the group name.
2. To edit or delete any of these units click on the appropriate button.
3. This will open up a new window as follows:

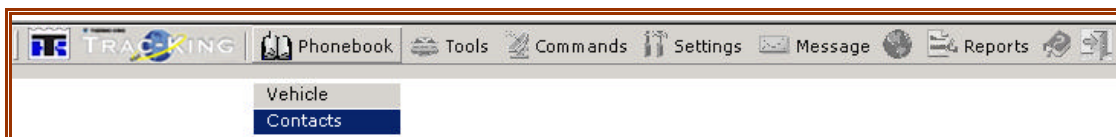


4. Perform the required change / update and when finished close the window.
5. This will change unit or group details.

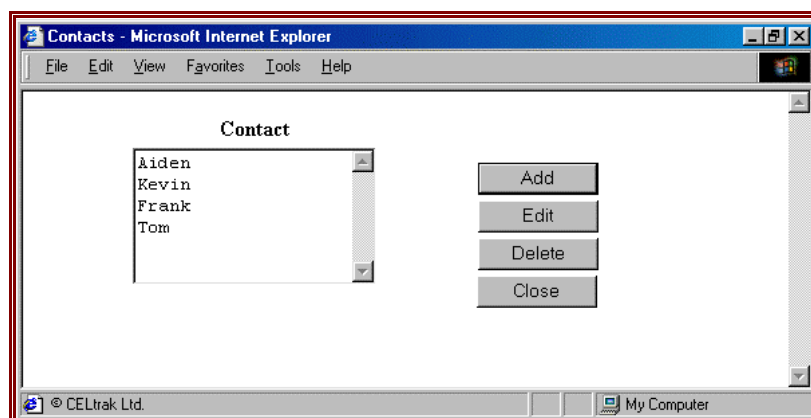
2.2 CONTACTS

This address book contains details of all of the personal contacts of the registered user that are included in the system. This function can be used to facilitate text messaging and voice calls to these contacts. Contact names and details can be entered by the user unlike unit details which must be registered centrally.

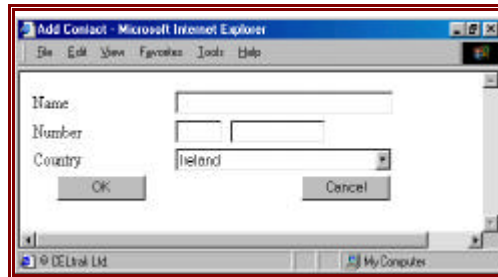
This phonebook can be accessed by clicking on the icon as shown below:



This will open a window as follows:

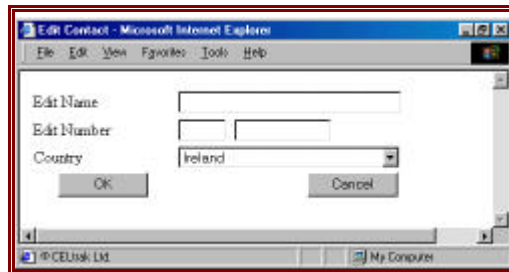


1. Contacts can be added or edited through the use of the buttons on the right of the window.
2. The corresponding windows are laid out below.
3. To add a unit enter new details as per below:



A screenshot of a web browser window titled "Add Contact - Microsoft Internet Explorer". The window contains a form with the following fields: "Name" (a single text input), "Number" (two separate text inputs), and "Country" (a dropdown menu with "Ireland" selected). Below the form are "OK" and "Cancel" buttons. The browser's address bar shows "http://CELtrak Ltd" and the taskbar shows "My Computer".

4. Editing contacts is completed by selecting the unit and clicking on the "Edit" button. Edit as appropriate.



A screenshot of a web browser window titled "Edit Contact - Microsoft Internet Explorer". The window contains a form with the following fields: "Edit Name" (a single text input), "Edit Number" (two separate text inputs), and "Country" (a dropdown menu with "Ireland" selected). Below the form are "OK" and "Cancel" buttons. The browser's address bar shows "http://CELtrak Ltd" and the taskbar shows "My Computer".

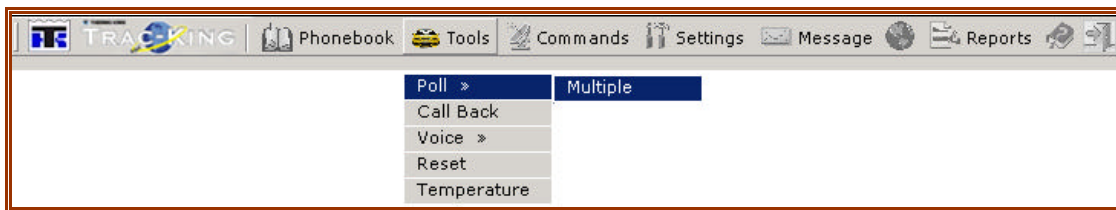
3. TOOLS

This menu contains access to all of the main functions that are accessible with the Trac-King service. These functions are; - Poll, Call Back, Voice, Reset, Temperature

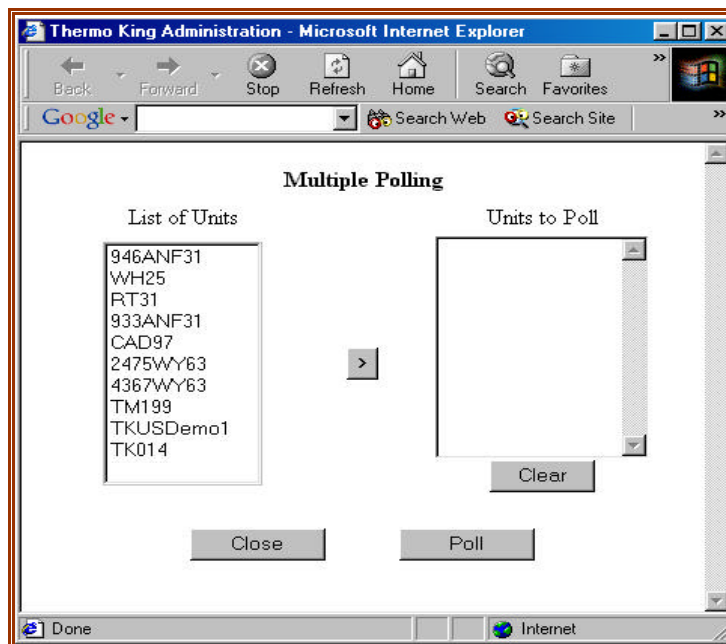
3.1 POLL

This function is available to all units. This function will poll all pre-selected units simultaneously.

This function can be performed by clicking on the button below:



This will open up a window as follows:



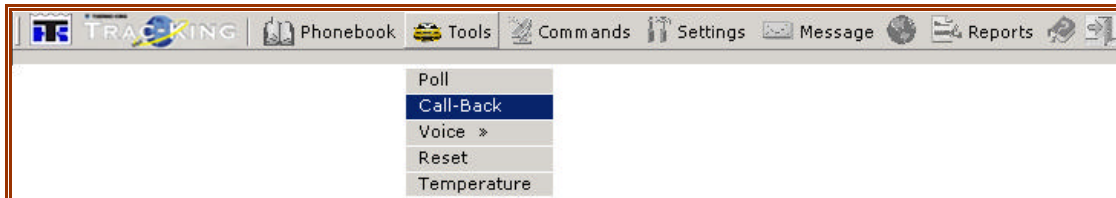
1. Move all of the vehicles which you wish to poll to the “Units to Poll” window using the > button.
2. Click on the “Poll” button. This will poll all of the selected units simultaneously.

Alternatively a single unit can be polled from the main or homepage by clicking on the “Unit ID” of the vehicle.

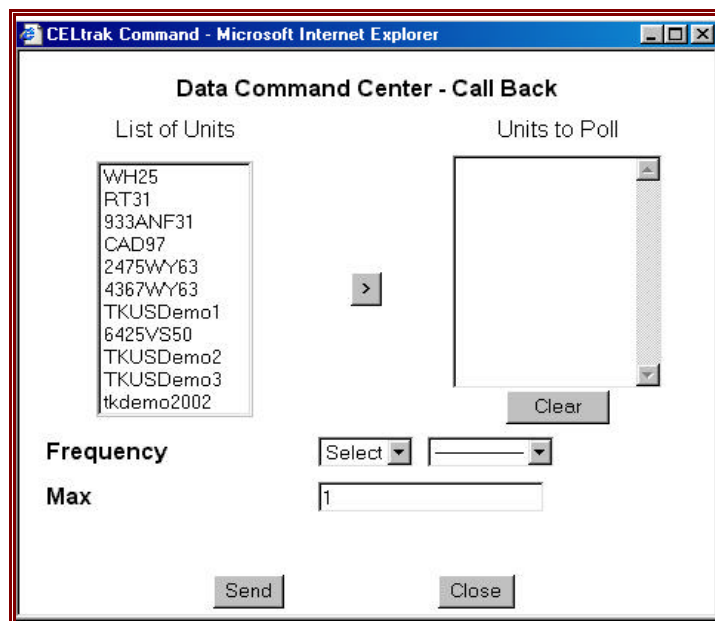
3.2 CALL-BACK

This function allows the user to set a particular mobile unit to report back to the base at regular specified intervals. This will return either position or temperature information.

To access the Call Back Function click on the following button:



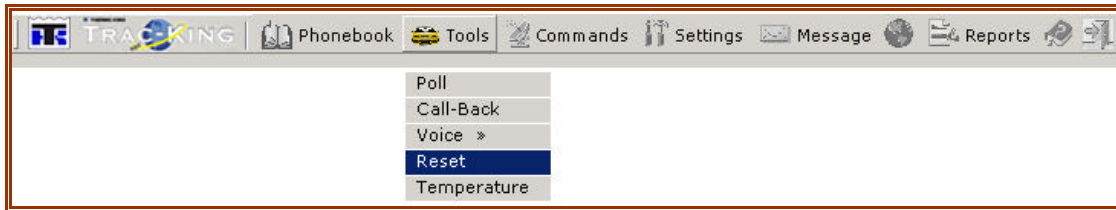
The following screen will appear:



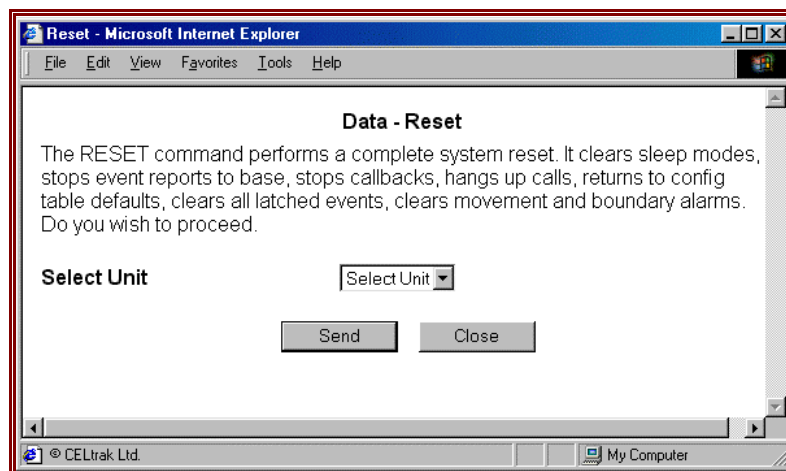
1. Select the unit or units that you wish to place on call-back from the list of units and move them to the "Units to Set" window.
2. You can select a number of units to set simultaneously by dragging the mouse over the unit ID's.
3. Select the frequency e.g. hour, day or minute and the interval e.g. every 2 minutes (frequency - minute, interval - 2). The select the maximum number of call-back responses e.g. 20 call-backs and close the window.

3.3 RESET

The reset command is available to all units and is issued following a confirmation dialog box. The reset command can be accessed by selecting the following function:



On selecting this, the following screen will appear:

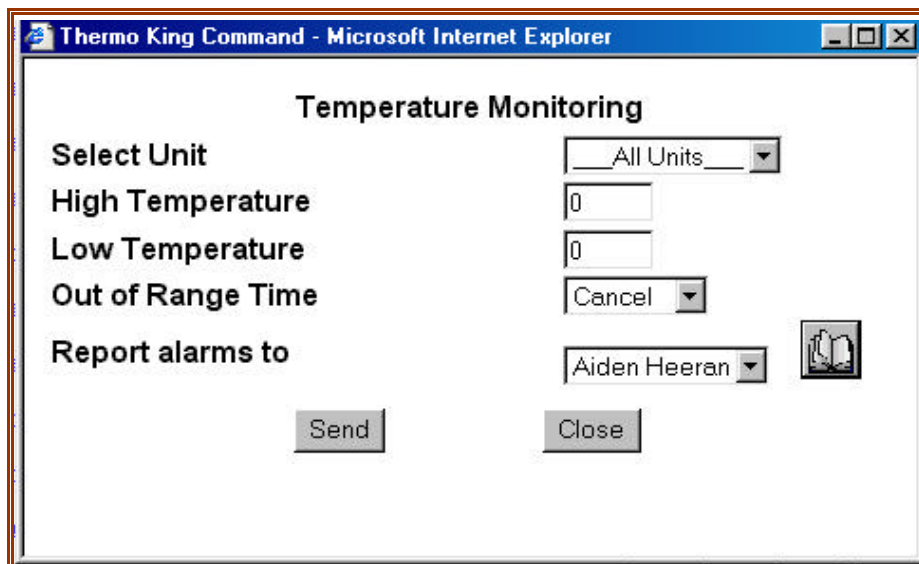
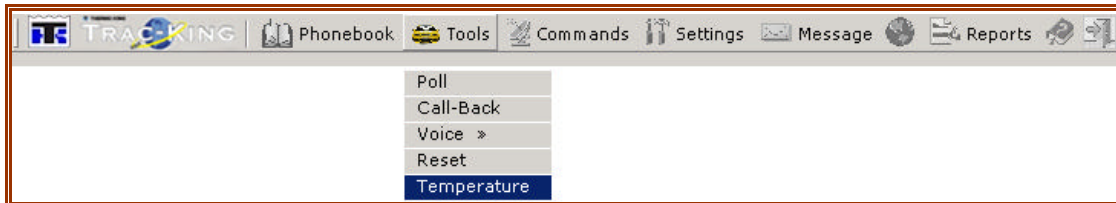


1. The description of what the reset does is given in the reset window.
2. To reset units select a unit from the "Select Unit" menu.
3. Following this click "Send". A warning box will then appear. Clicking "OK" on this warning box will reset the selected unit.

3.4 TEMPERATURE

This function allows you to set high and low temperatures for alarms and the period of time that the unit can be out of these temperature ranges before an alarm is sent.

Clicking on the following button will access the temperature function.



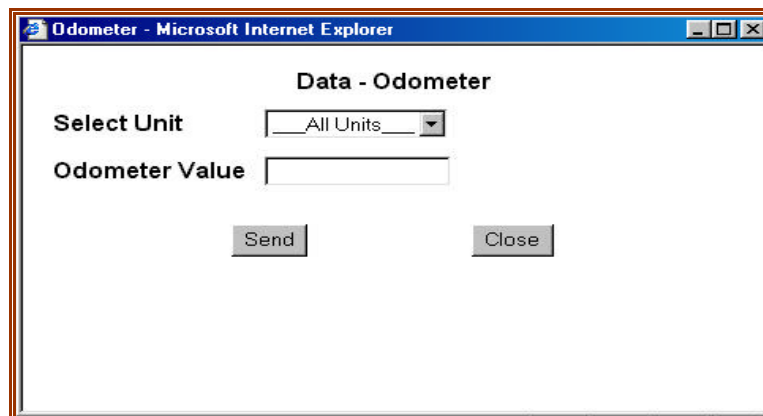
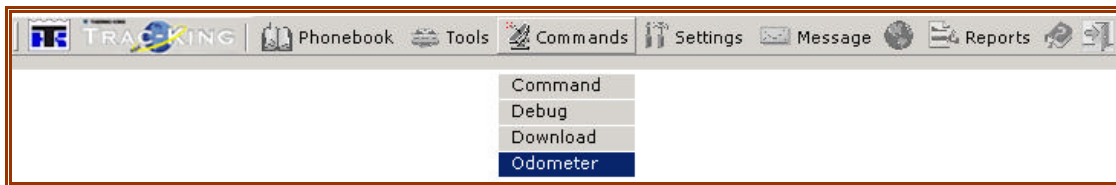
1. Select the unit that you wish to set ranges for, from the "Select Unit" menu.
2. Set the high and low temperatures in the boxes provided.
3. Following this set the out of range time (i.e. the amount of time the unit can be above or below the set temperature before an alarm is sent) and what number you want the alarms to be forwarded to from the Phonebook menu option.
4. Click on the "Send" button.

4. COMMANDS

An additional command that is available with the Trac-King service is the ability to set the Odometer value that is displayed on screen to a particular value.

4.1 ODOMETER

This command is available to all units. The Set dialogue box allows the user to set the odometer to any value.



1. To set an Odometer to a certain value enter the value in the “Odometer Value” field and click on the “Set” button.

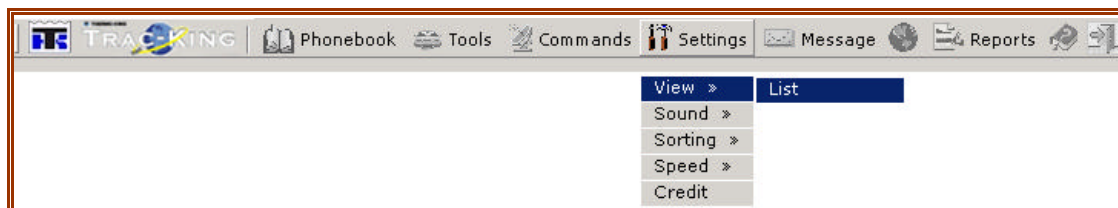
NOTE: You must Poll the unit when you have changed the Odometer Value to view updates.

5. SETTINGS

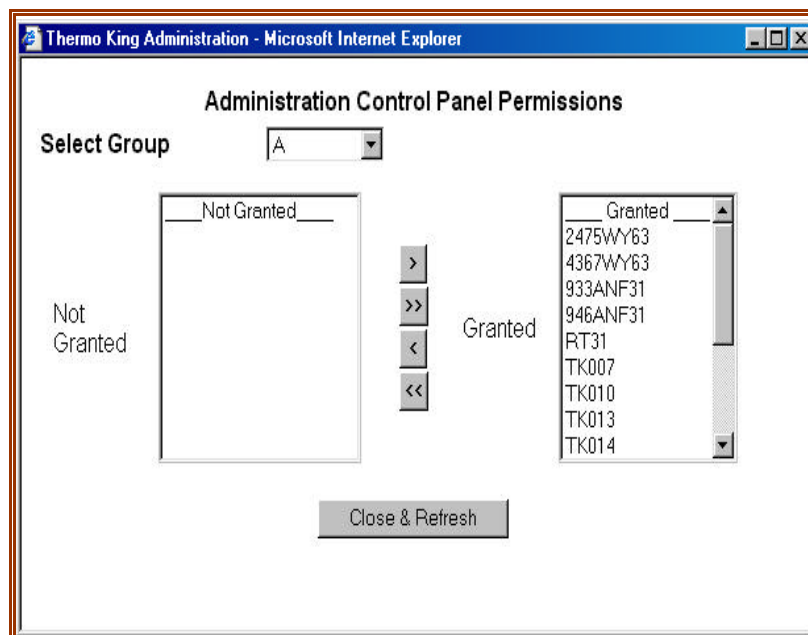
These functions will allow the user to set defaults for how the Trac-King service will appear when the user is logged in. The default list contains options for setting sound, sorting and speed units.

5.1 TRACKING LIST

To change the tracking list click on the menu option below:



The following window will open:



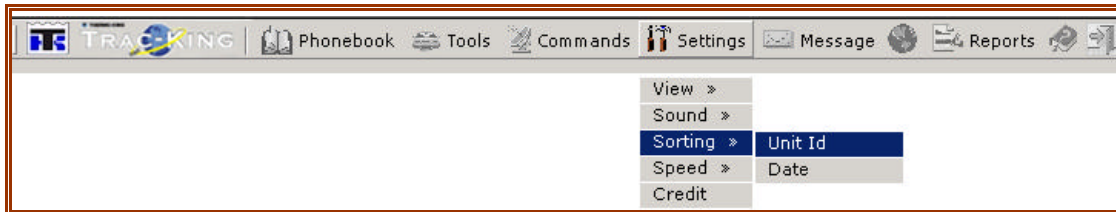
1. Select the Group that you wish to work with from the "Select Group" menu option. This will display all of the units that are registered in that group.
2. To move a vehicle to the tracking screen click on the unit in the "Not Visible" window and select the > button. This will move it to the "Visible" section where they can be viewed on the tracking screen
3. To move a vehicle from the tracking screen select it in the "Visible" window and move it using the < button to the "Not Visible" window.
4. To move all of the vehicles to or from the tracking page use the >> or << buttons.

5.2 SORTING

Sorting allows you to arrange the main screen or homepage by Unit ID or by Date. Clicking on the options will automatically reset the Sorting Defaults.

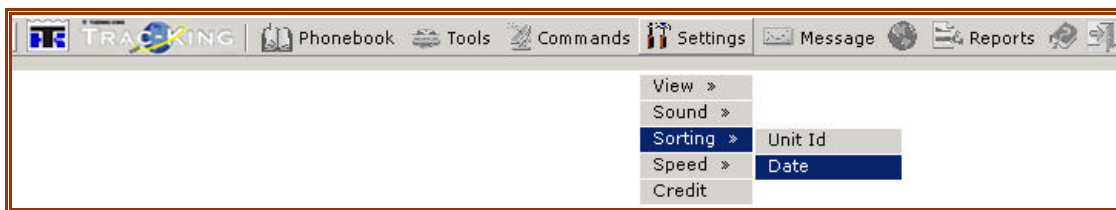
5.2.1 SORT BY UNIT ID

To sort by Unit ID please click on the following option.



5.2.2 SORT BY DATE

To sort by date please click on the following option

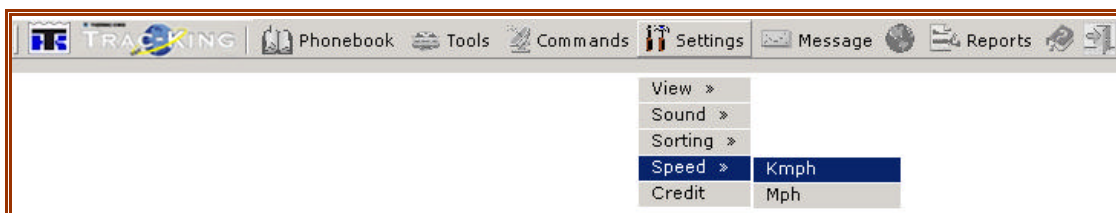


5.3 SPEED LIMITS

This configuration will set the speed on the main page to either miles per hour or kilometres per hour based on the configuration selected. To set the either m/ph or km / ph click on the required button below.

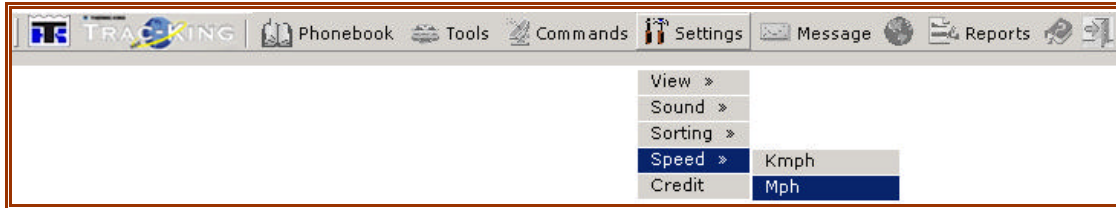
5.3.1 SET SPEED IN K/MPH

To set the speed in km / ph click on the following option:



5.3.2 SET SPEED IN M/PH

To set the speed in m/ph click on the button as identified below:

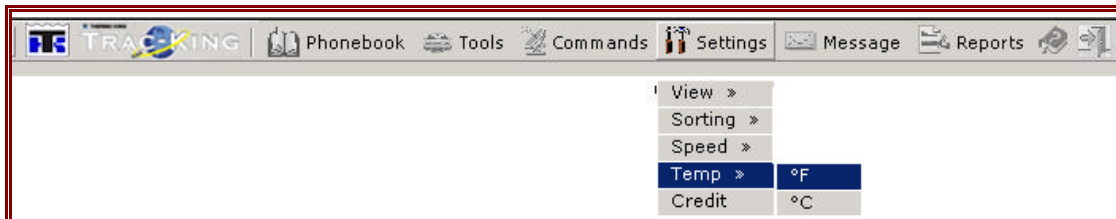


5.4 TEMPERATURE

You can set the displayed temperature in Centigrade or in Fahrenheit.

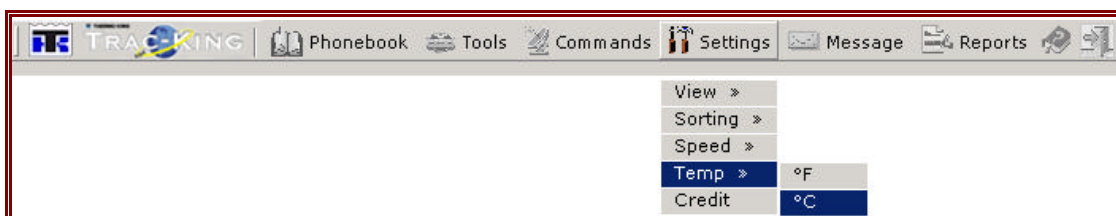
5.4.1 SET TEMPERATURE IN FAHRENHEIT

To set the temperature in Fahrenheit click on the button as identified below:



5.4.2 SET TEMPERATURE IN CENTIGRADE

To set the temperature in Centigrade click on the button as identified below:

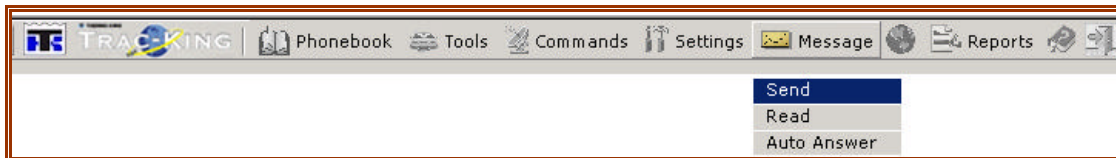


6. MESSAGE

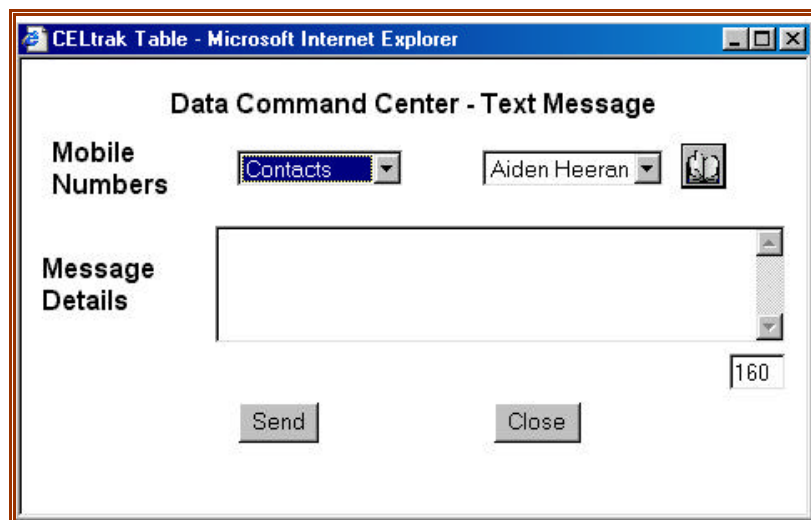
This function allows you to send and receive messages from any of the selected vehicles on your list or a mobile phone. There are three separate options available with the messaging service – Send Messages, Receive Messages and Auto Answer.

6.1 SEND MESSAGE

To send a message click on the icon as identified below:



This will open up a window as follows:

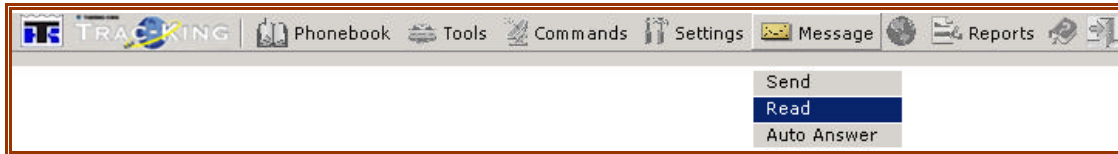


1. Choose the unit / person that you wish to send a message to by first, selecting either the "Contact" or "Units" phonebook from the scroll down menu option and following this selecting the unit or contact name from the second menu option.
2. Type your message and press "Send"
3. A small window to the right will keep you informed of the number of characters remaining in the SMS.

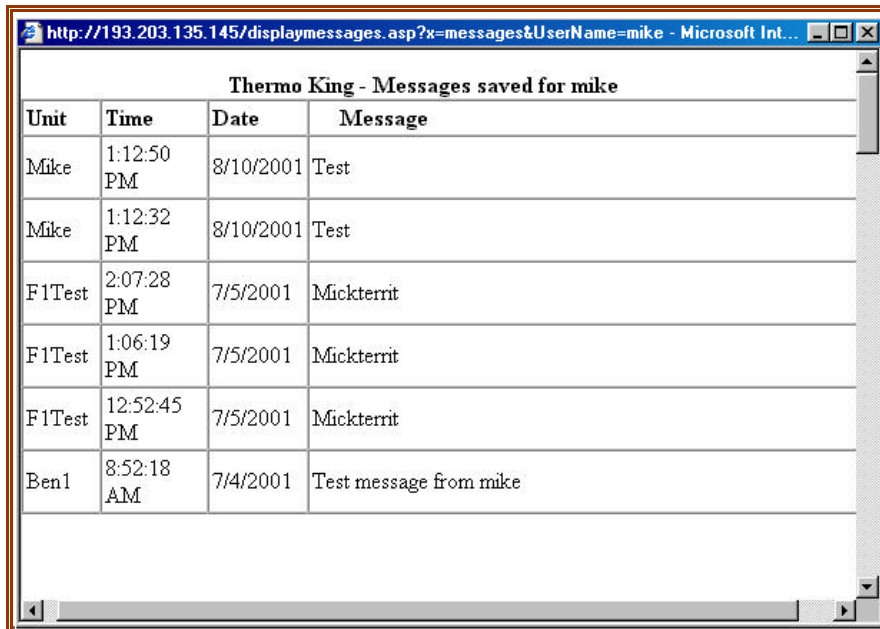
6.2 READ MESSAGE

When this function is selected a window will open and display all received messages. New messages in this window will be in bold. Also if a new message is received an envelope will appear under the toolbar indicating that a new message has been received.

Accessing the messages is done through the selecting the menu option below:



This will open up a window as follows:

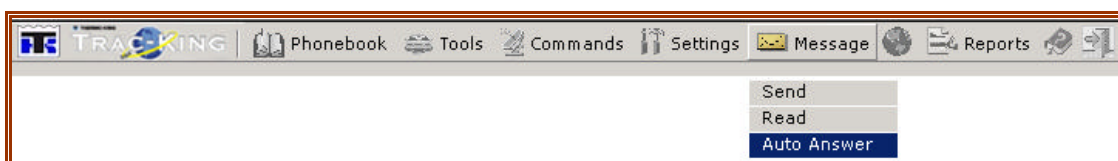


This window contains the details of all of the messages that have been received into the customer account.

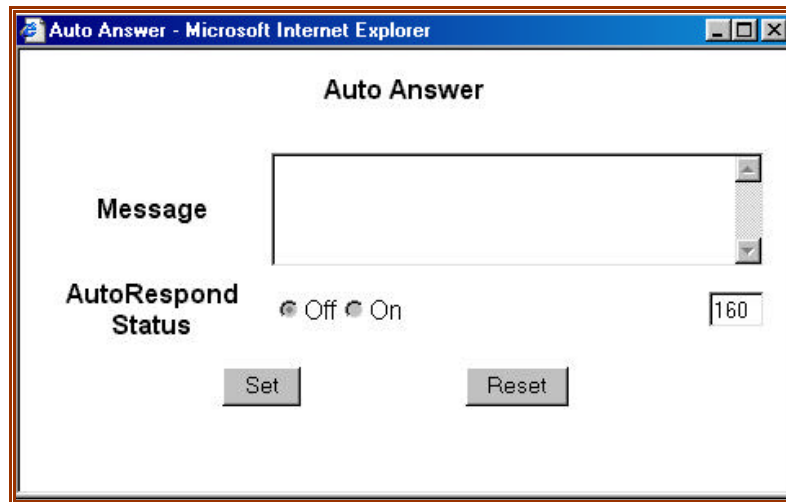
6.3 AUTO-ANSWER

This function allows you to auto answer messages that come in the base station. For example if you are planning on being away from your base station you can have a reply sent to all messages that are sent to the base station.

Access this function by selecting the option below:



This will open up the following window:



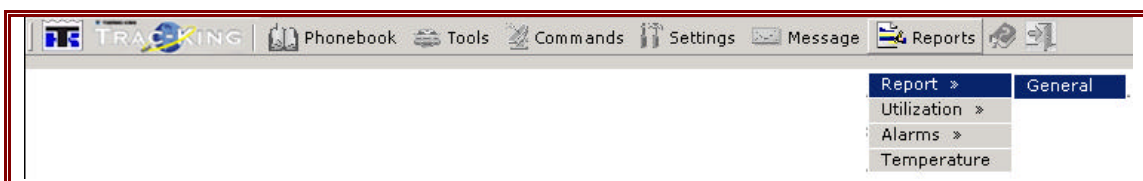
1. Type in the message that you would like to be replied to all incoming messages.
2. Choose the setting from "Off" or "On". This will set the Auto-answer facility.
3. A small box in the right hand corner informs you of the number of characters remaining.

7. REPORTS

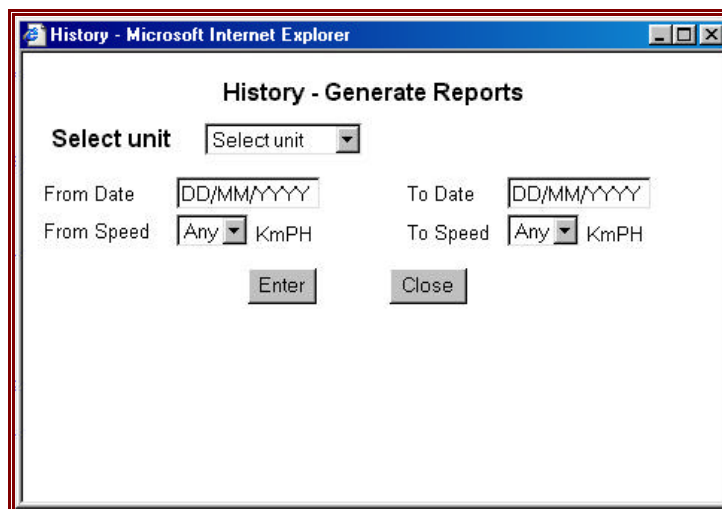
There are a number of reporting options available. These include:- Utilization, Alarms, Performance and Temperature. Also there are a number of summary or aggregate reports available.

7.1 REPORT

This is a general report, which displays position, speed, time, date and temperature information textually. It can be accessed by clicking on the following menu option.



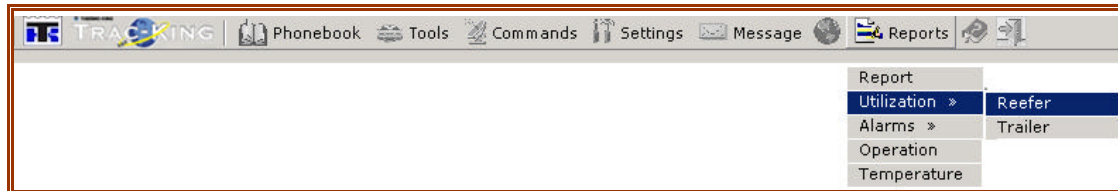
This will open up a window with the following History options:

A screenshot of a web browser window titled 'History - Microsoft Internet Explorer'. The main content area displays a form titled 'History - Generate Reports'. The form includes a 'Select unit' dropdown menu, 'From Date' and 'To Date' text boxes with 'DD/MM/YYYY' placeholders, 'From Speed' and 'To Speed' dropdown menus with 'Any' selected and 'KmPH' units, and 'Enter' and 'Close' buttons.

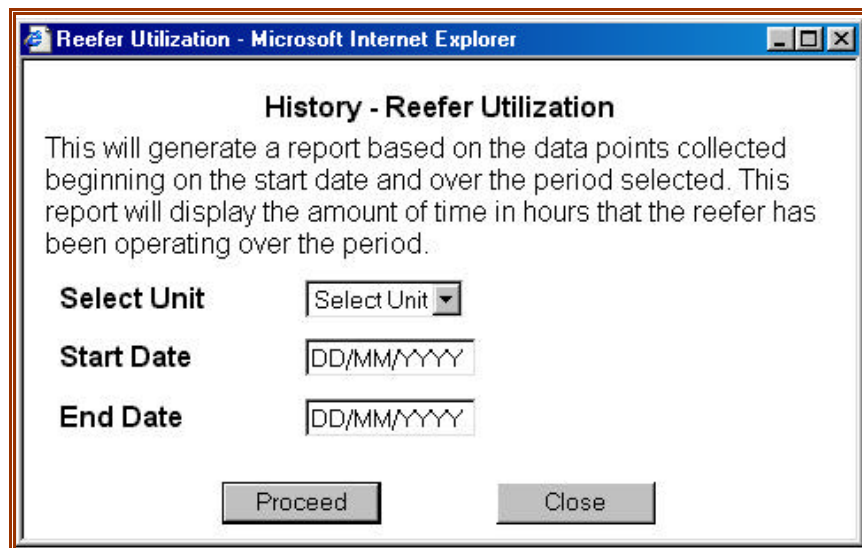
1. Select the unit that you wish to generate a report on.
2. Select the date and the speed intervals.
3. Clicking on the "Send" button will generate the history report.

7.2 REEFER UTILISATION

This report is designed to show the amount of time that the refrigeration unit was operating over a specified period of time. The reefer utilization history can be accessed by clicking on the button as identified below:



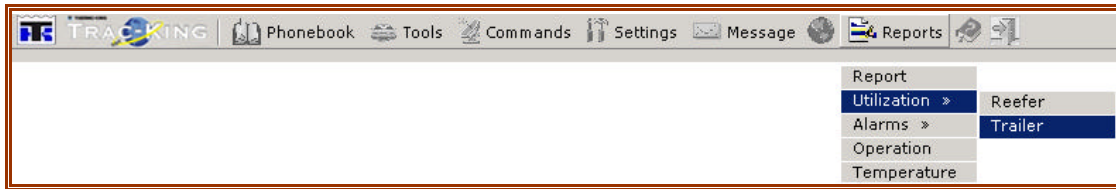
This will open a new window as follows:



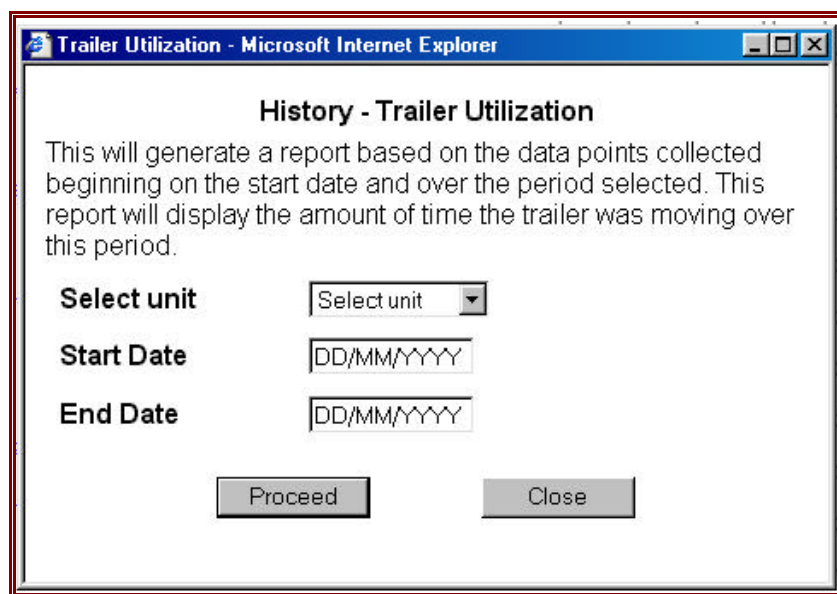
1. To generate a reefer utilisation report, select a unit from the “Select Unit” option.
2. Following this enter the “Start Date” and the “End Date” that you would like generate a report over.
3. Click on the “Proceed” button. This will open up a new window with the requested report.

7.3 TRAILER UTILISATION

This report will show the number of hours that the trailer was used over a pre-specified period. It is accessed by clicking on the button as identified below.



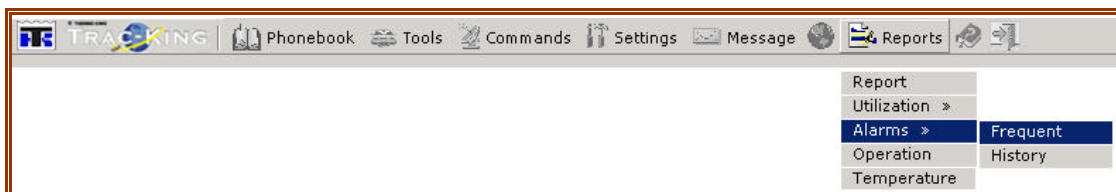
This will open a window as follows:



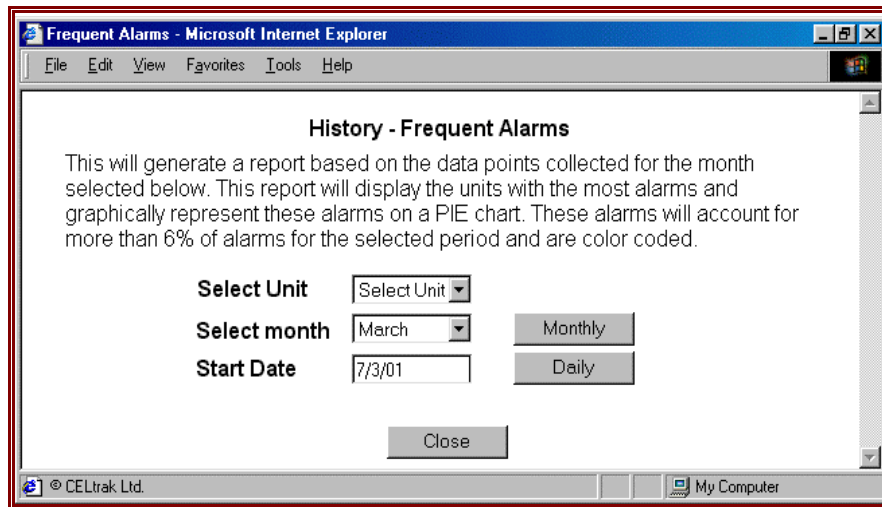
1. To generate a trailer utilization report, select a unit from the “Select Unit” menu.
2. Following this select the “Start Date” and the “End Date” i.e. the dates between which you require the trailer utilization report.
3. Click on the “Proceed” button. This will generate the required report.

7.4 FREQUENT ALARMS

This will provide you with details of the most frequent alarms that have occurred over a specified period of time. You can generate daily or monthly reports. Access to this function is through clicking on the button as identified below:



This brings up a window as below:

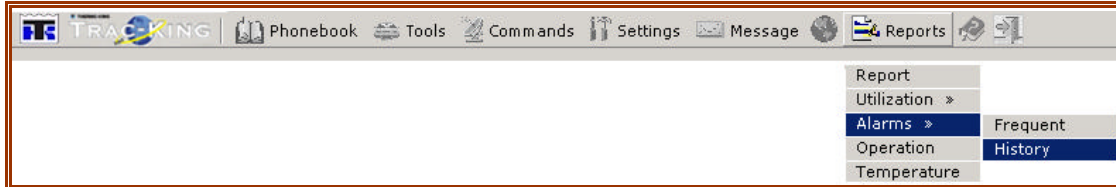


1. Select the month *or* the date on which you would like the report of the most frequent alarms.
2. Following this click on the corresponding button e.g. “Monthly” if you require a monthly alarm or select a date and click on the “Daily” button.
3. This will generate the required report.

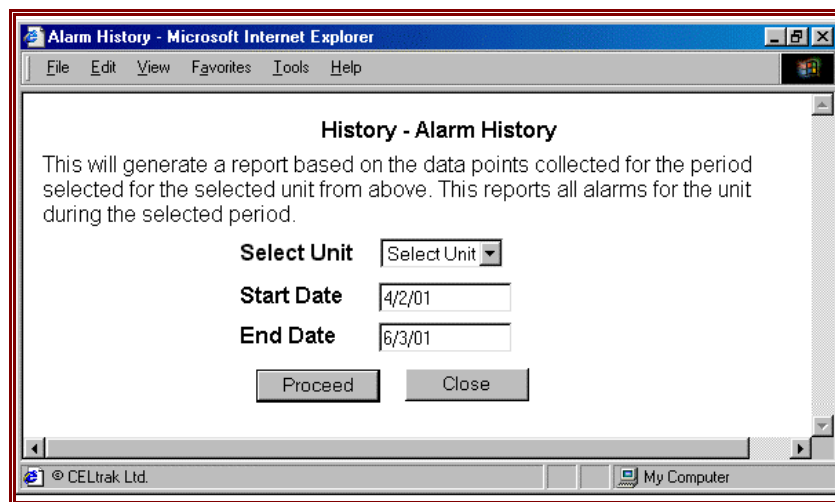
7.5 ALARM HISTORY

This function will generate a report on all of the alarms that have been activated over the pre-specified period of time.

Access this function through clicking on the following button:



This will open a window as identified below:

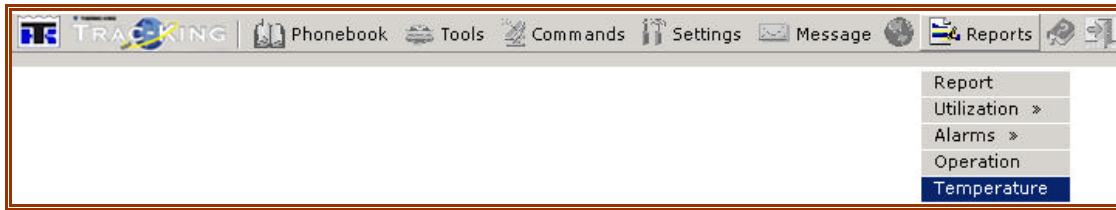


1. Select a unit from the "Select Unit" menu
2. Select the "Start" and "End" Dates from the Menu options.
3. Click on the "Proceed" button to generate the alarm history report.

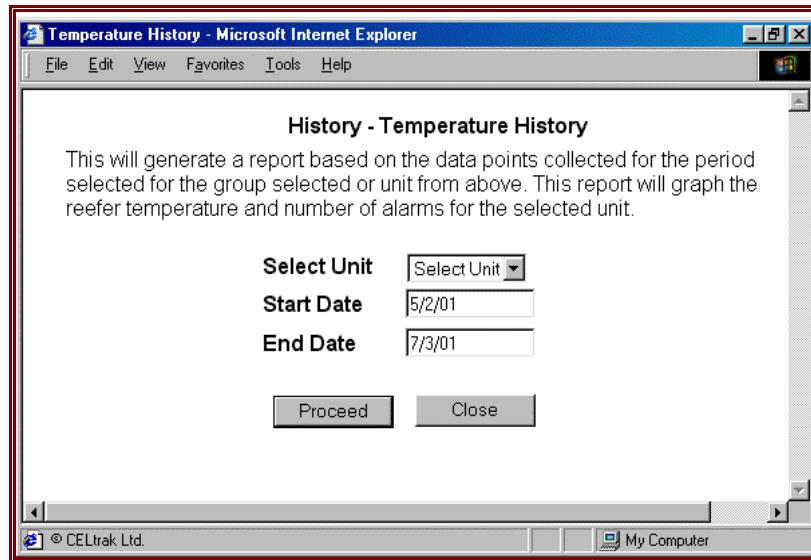
7.7 TEMPERATURE

This will generate a report on temperature history of a unit for the period in question.

Access to this function is through clicking on the button as identified below:



This will open a window as follows:



1. Select a unit from the "Select Unit" option.
2. Select the time interval over which you require the temperature history information by specifying the "Start Date" and "End Date" in the provided fields.
3. Click on the "Proceed" button to generate the required information.

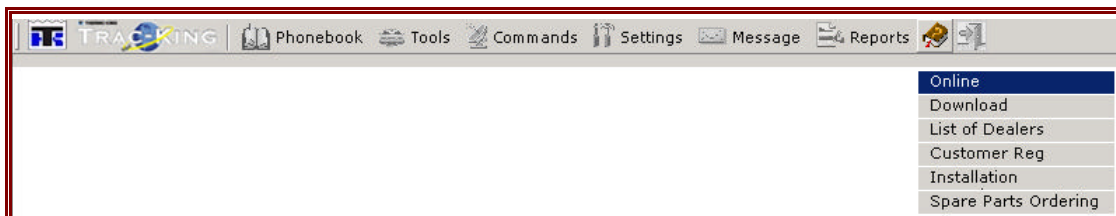
8. DEALER / HELP

This section will differ depending on whether you are a Trac-King customer or a Trac-King dealer.

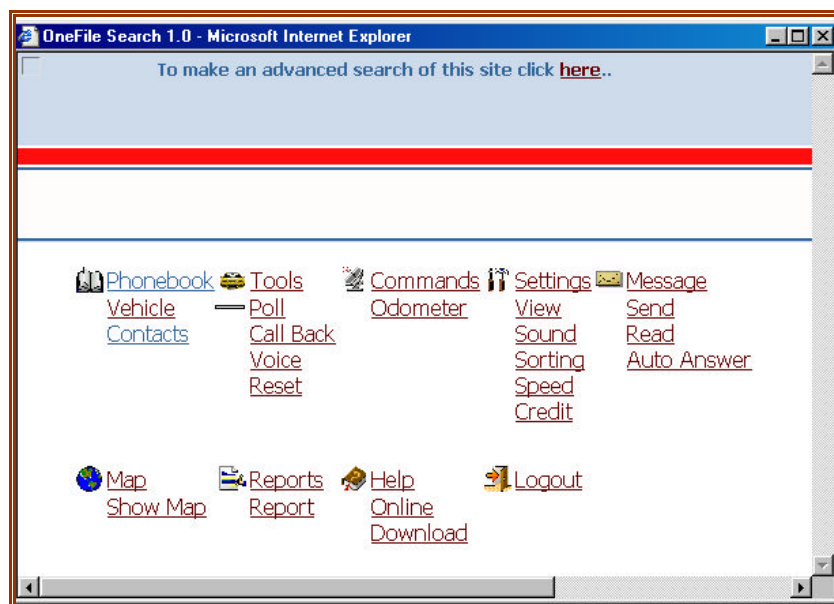
This provides the user with a full description of how to use all of the functions of the Trac-King service. This is available in an online or a downloadable format. This menu also contains a list of Thermo King dealers across Europe and their phone and fax numbers. The Dealer Sections contain customer registration forms, spare parts order forms and also Installation Instructions.

8.1 ONLINE HELP

This contains details of how features are used in a pop-up window. This is accessed by clicking on the following menu option.



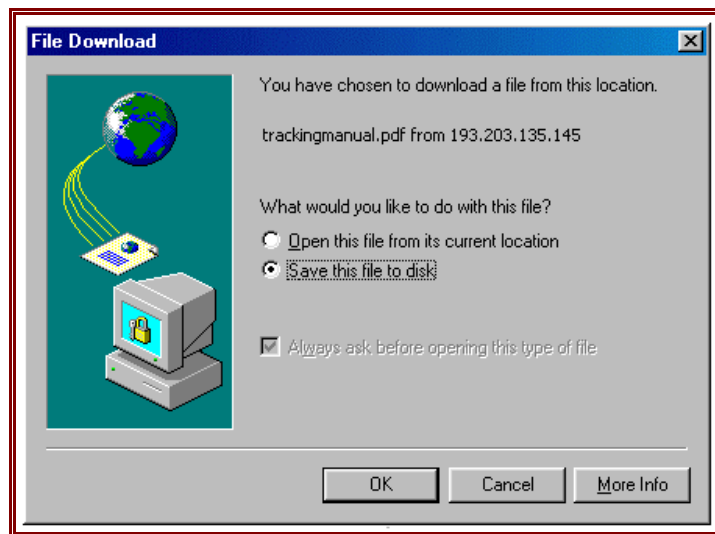
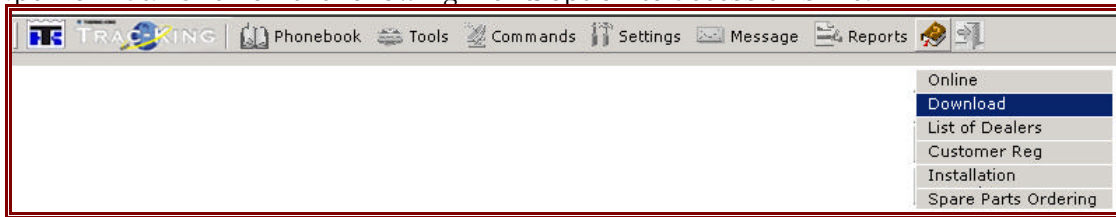
This will open a window as follows:



From this the user can choose the feature that information is required on or alternatively you can use the search facility at the top of the window.

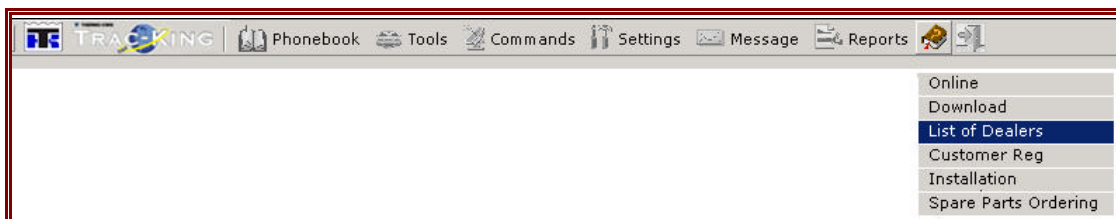
8.2 DOWNLOAD HELP FILE

This opens up a download dialog box with which to download the Help Manual in a .pdf format. Click on the following menu option to access this file:

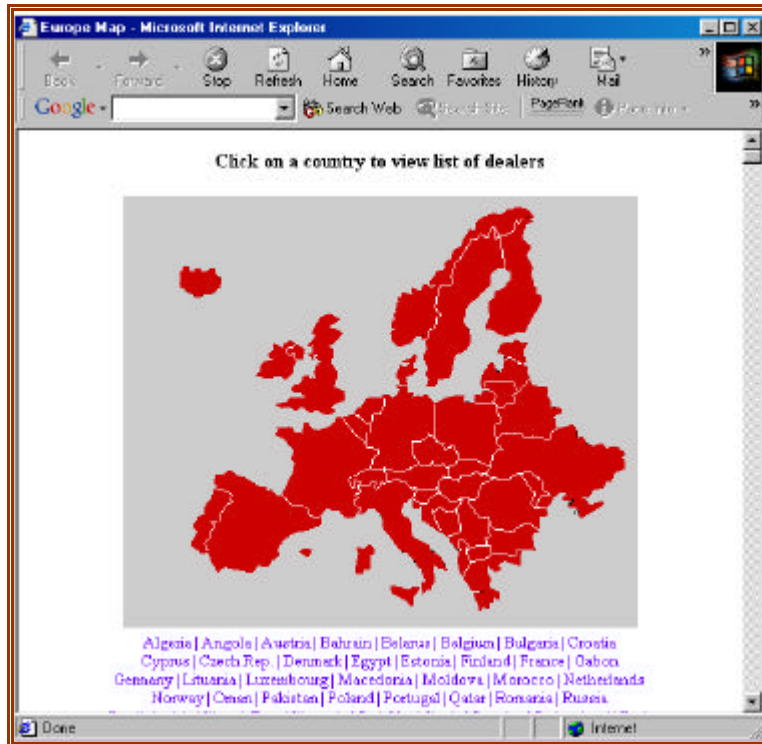


8.3 DEALER DETAILS

This section contains details of all of the Thermo Kin dealers in Europe and their locations and contact information. Access to this feature is through selecting the following menu option:



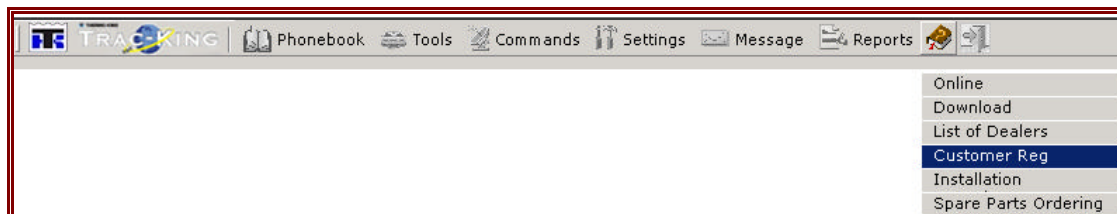
This will open up the following window:



Click on the countries to obtain details of the dealers located in these countries.

8.4 CUSTOMER REGISTRATION FORMS

This provides dealers with a registration form to register new customers and new units on the central server for the purposes of polling and fleet management. This can be accessed by clicking on the following menu option.



This will open up the registration form as follows:

Celtrak
Customer Registration Form

Name: Address1:
Phone: Address2:
Fax: Address3:
E-mail: Address4:
Web Address: Address5:
Cellular/Scope: (This number will be used for Temperature Alarm Forwarding)

Mobile Number for Alarm Forwarding:

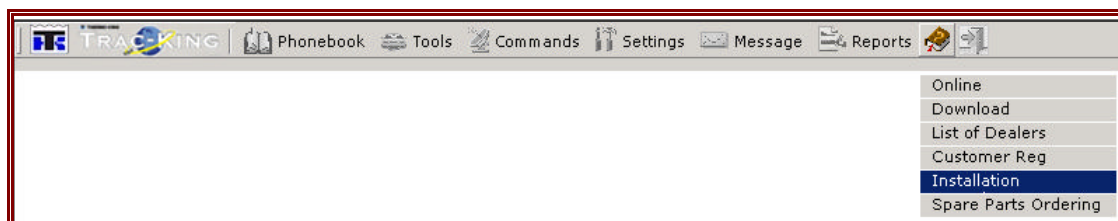
Track Id Number:	Mobile Phone Number:
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10

Thank you for taking the time to complete this form.

1. When all of the required fields have been completed click on the "Next" button.
2. This will issue you a statement of information.
3. If this statement is correct click "Send" and the information will be submitted for registration.

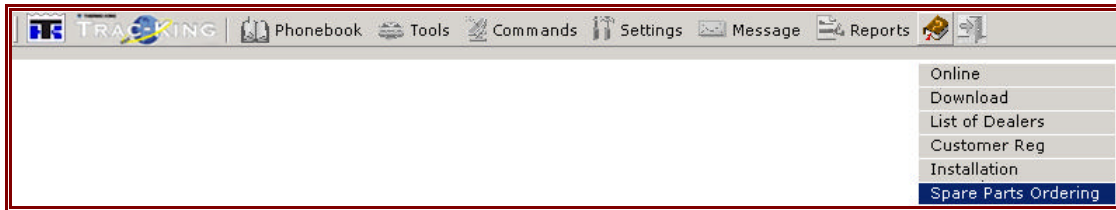
8.5 INSTALLATION INSTRUCTIONS

To download installation instructions for the different Trac-King units please click on the following menu option.



8.6 SPARE PARTS ORDER FORMS

This will allow you to submit orders for spare parts. Access to this function is available by selecting the following menu option.



This will open up a window as follows:

'Trac King Part Description'	'CELtrak Part Number'		'Quantity'
'Trac King Mobile Unit Module'	557300	<input type="checkbox"/>	[01]
'Hockey Puck Antenna'	907290	<input type="checkbox"/>	[01]
'Grommet'	251278	<input type="checkbox"/>	[01]
'Fitting Instructions'	452031	<input type="checkbox"/>	[01]
MP6 'Loom'	207606	<input type="checkbox"/>	[01]

Thank you for taking the time complete this form.

1. Click on the "Checkboxes" and select the quantity of the items that you wish to order.
2. When you have completed your selections click on the "Next" button.
3. This will provide you with a statement of the items ordered.
4. If this statement is correct click on the "Send" button and your order will be submitted for processing.

9. LOGOUT

This logs you out of the Trac-King service and brings you back to the homepage www.trac-king.com. Clicking on the log out button as identified below will perform this function.

