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## Introduction

SatelSafe is an alarm-monitoring program designed for use with SATELCODE alarm transmitters and SATELNODE receivers.

The monitoring program handles the standard routines required for alarm systems, such as diagnostics, alarm loop monitoring, editing, etc. Adding a new transmitter to the system can be done in few seconds. Every alarm is visibly shown in the monitoring window and it can also be sent automatically as an SMS-message to a GSM-phone.

In short, the SatelSafe-program is a light, but comprehensive program for alarm monitoring.

## Installing the program

You will need the installation package for installing the program. You can download it at <http://www.satel.fi/>.

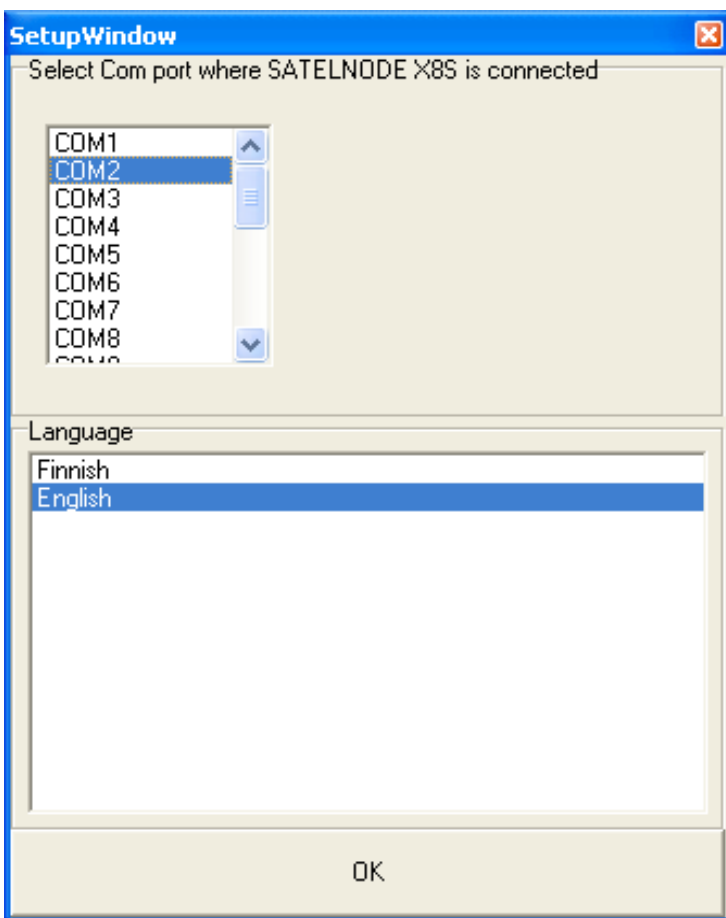
The installer package appears first on the screen. Move forwards through the pages using the "Next" button. The program files and the start menu folder, where you will find shortcuts, are saved to selected place. Proceed with the installation by clicking on the "Install" button.

## Running the SatelSafe

After the installation procedure is completed, the shortcuts to SatelSafe can be found on start menu and desktop. There is also a shortcut on the Start Menu for uninstalling the program.

### *First screen – options*

Once the program has started up, a window containing language options and COM port will open.

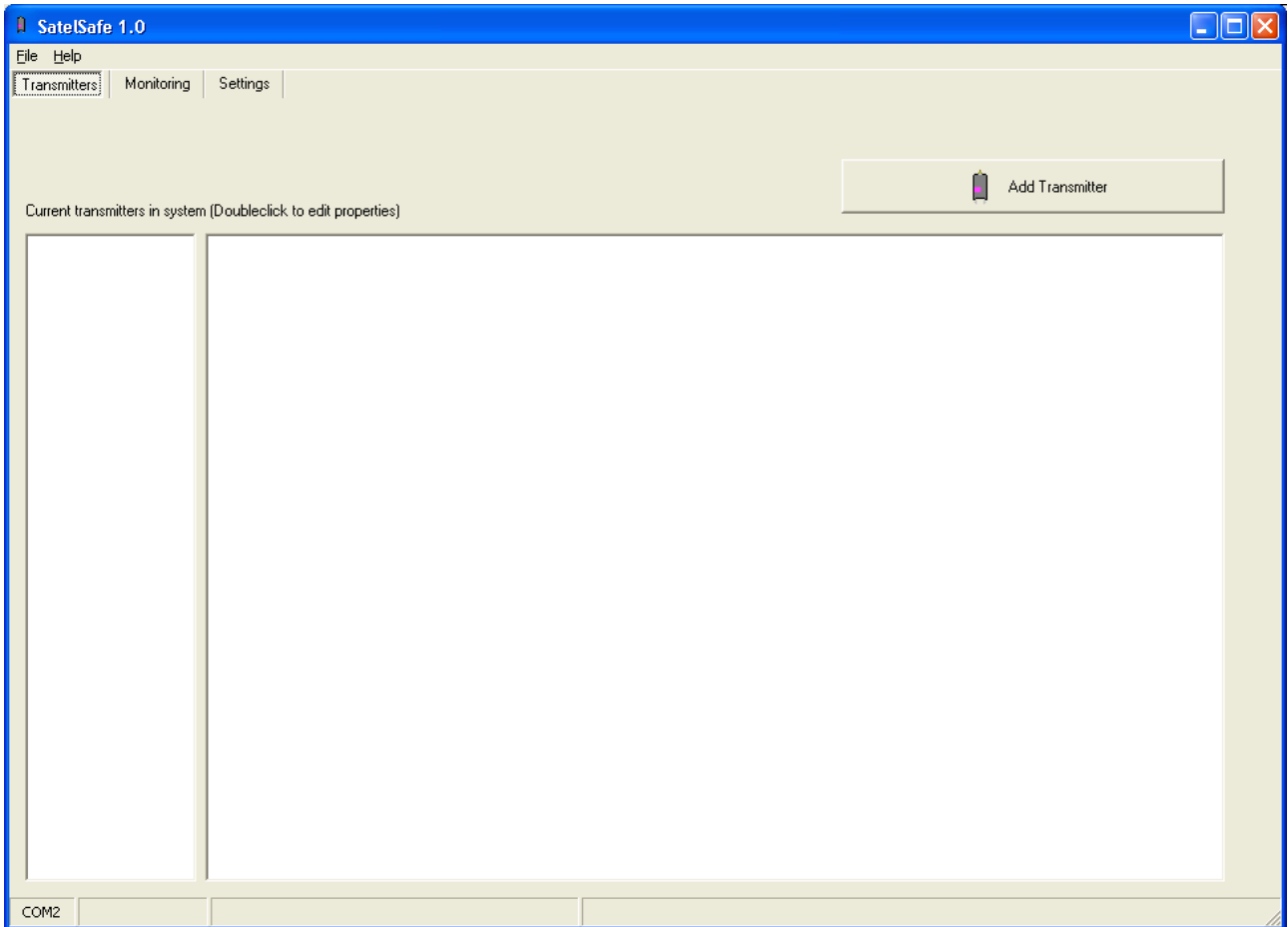


Select the desired COM port for communicating with SATELNODE X8S (SATELNODE X8S port). After you have selected the preferred language, click "OK".

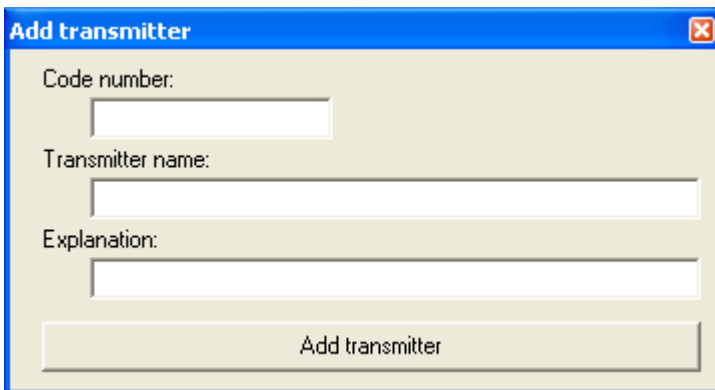
NOTE: Changing the COM port while the program is running is not possible.

## ***Main Window***

After you have pressed the "OK" button, the main window will appear on the screen.



You may open a new system and add transmitters by clicking the "Add transmitter" button. The following dialog box will appear.



Fill in the code number and the name of the transmitter. You may provide a short explanation if so desired. Clicking on the "Add transmitter" button will add the transmitter to the system.

## Working with the system

Once all transmitters have been added to the system, you can fill out the alarm information for them. Do this by clicking on the "Transmitters" tab and from here selecting a transmitter from the list in the boxes below the "Current transmitters in system" label. You can edit the code by double-clicking it in the list of transmitters. The following dialog box appears. Once you have fed the correct information into the system, you can save it by clicking on the "Save" button.

The screenshot shows a software dialog box titled "00123". It is divided into three main sections:

- General:** Contains a "Username:" field, a "Comments:" text area, and a "GSM Number:" checkbox with an associated input field.
- Alarms:** Contains eight rows, each representing an alarm loop. Each row has a checkbox (all are unchecked), a label "Alarm loop 1" through "Alarm loop 8", and an "Action:" field.
- Diagnostic:** Contains a checkbox "Enable diagnostic", a numeric input field with the value "720" and the label "Minutes", and a "System default" button.

At the bottom right of the dialog, there are two buttons: "Save" and "Undo".

### *Saving the system*

Now you can save the system onto the hard disc. Do this by clicking on the "File" menu, then clicking "Save as...", and finally typing the name of the system into the box. Remember to click on "OK".

NOTE! Saving the system onto the hard disc is not possible in the "Edit" mode.

### *Opening an existing system*

To open an existing, saved system, click on the "File" menu and open the desired file by clicking on it once and then clicking on the "Open" button. At this point, the "Transmitter" tab display, with all of the saved transmitters, will be shown.

## ***Working with the alarms***

The alarms may be activated or deactivated in the "Edit" mode. This can be done using the checkboxes called "Alarm loop X", in which X represents an alarm loop number. When you place a check in the checkbox, the alarm for that input will begin being monitored. The first "Edit" box is for providing the name of the alarm loop; the second box is for providing actions or explanation.



The screenshot shows a window titled "Alarms" with a list of eight alarm loops. Each loop has a checkbox, a text field for the name, and a text field for the action. The checkboxes are currently unchecked. The background of the window has alternating light and dark green horizontal stripes.

Alarm loop	Action
<input type="checkbox"/> Alarm loop 1	
<input type="checkbox"/> Alarm loop 2	
<input type="checkbox"/> Alarm loop 3	
<input type="checkbox"/> Alarm loop 4	
<input type="checkbox"/> Alarm loop 5	
<input type="checkbox"/> Alarm loop 6	
<input type="checkbox"/> Alarm loop 7	
<input type="checkbox"/> Alarm loop 8	

## ***Diagnostics – how to make safer systems***

The "Diagnostic" option ensures that the radio communication between SATELCODE 8i and SATELNODE X8S is working.

System-wide settings - - "Default poll delay"

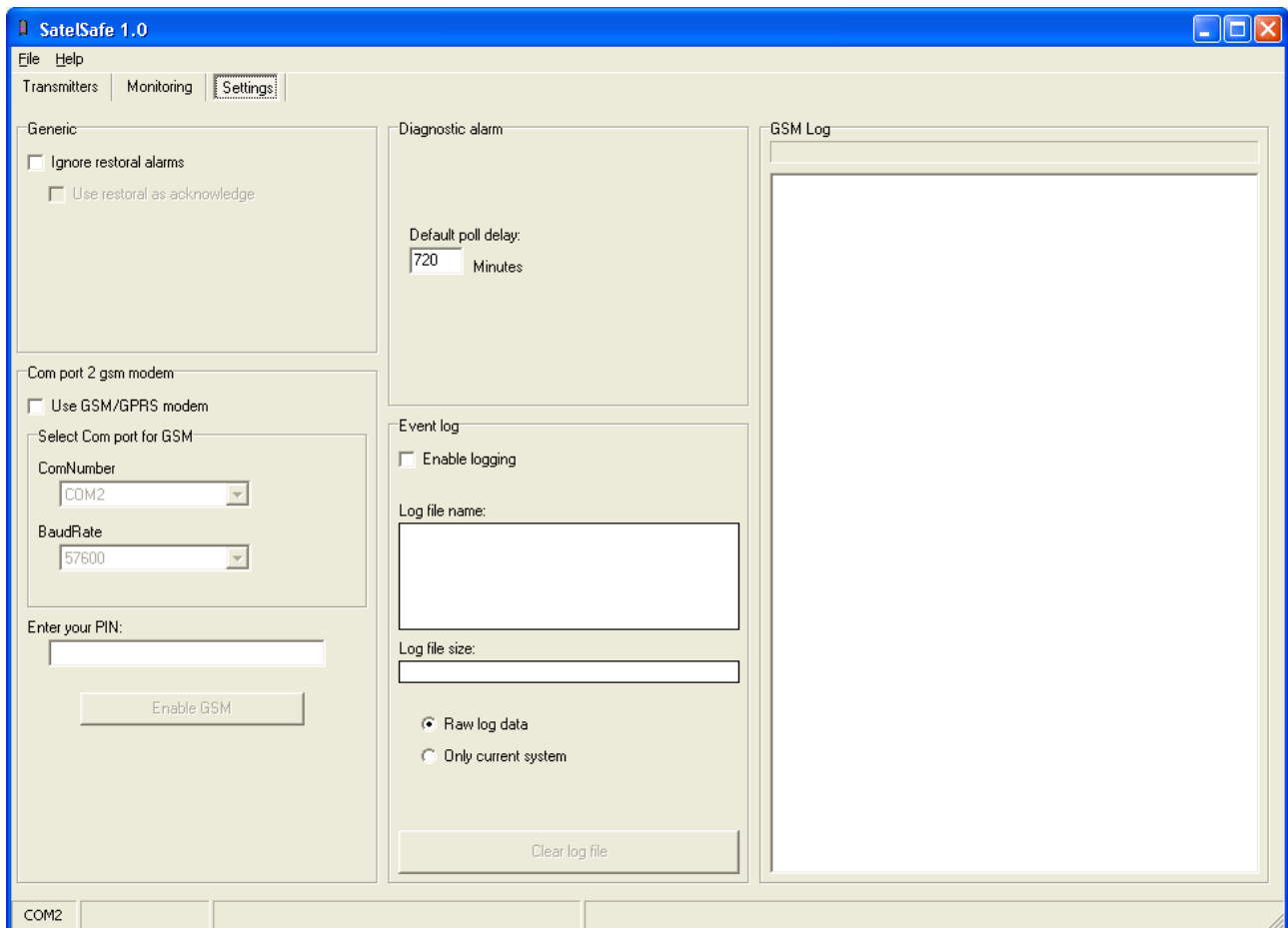
There is an option called "Default poll delay", which you will find by clicking on the "Settings" tab. This can be used to define delay for the triggering of diagnostic alarms. This option applies to every newly added transmitter.

## Alarms for GSMs

With stand-alone systems, users might want to transfer alarms to their cellular phones. SatelSafe provides interfaces for the most common GSM/GPRS modems.

### *Activating the GSM*

You can activate the system by clicking on the "Settings" tab. The display appears as follows:



To activate the GSM modem, click on the "Use GSM/GPRS modem" checkbox and select the desired COM port and baud rate. If the SIM card requires a PIN code, you can enter it into the "Enter you PIN" text box. When all information is complete, you can establish communication by clicking the "Enable GSM" button.

The GSM modem should be configured as follows:

Parity = none

Data bits = 8

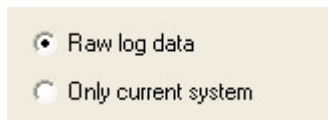
Stop bits = 1

## Logging in data for analysing

Check the "Enable logging" checkbox, which you will find under the "Settings" tab. The file "Save dialog" will appear. This prompts you to enter the log's file name. Enter the log's file name and click on "Save". The saving of the log file will then begin.

You may clear the log file at any time by clicking on the "Clear log file" and then confirming it.

You can control the way of logging with the "Raw log data" and "Only current system" options.



The "Raw log data" monitors all communication. The "Only current system" logs in codes, which are only found in the system.

## Alarm handling options

If you wish to ignore the restoral alarm (to keep them from being displayed), then check the "Ignore restoral alarms" box, which you will find in the "Generic group" box. By checking the "Use restoral as acknowledgement" checkbox, the restored systems will be acknowledged.

### ***Alarm monitoring***

There are two lists, "Alarm list" and "Explanation list", both of which you will find under the "Monitoring" tab. You can send all non-acknowledged alarms to the "Alarm list" by clicking on the alarm in question. You will see the explanation of that alarm in the "Explanation list" box. To acknowledge the alarm, check its checkbox and click on the "Acknowledge" button.

### ***Monitoring with GSM***

GSM sends unique alarms only. Therefore if an alarm is on the alarm list, the GSM will not re-send the SMS message. If you wish to receive an SMS message each time an alarm is activated, then the "Use restoral as acknowledgement" checkbox (refer to the "Alarm handling options" section) must be checked.

If the "Use restoral as acknowledgement" is not in use, the alarms must be acknowledged locally in the program.