



USER MANUAL

◀
GSM Manager

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User manual
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GSM Manager

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1 ABOUT THIS DOCUMENT

GSM Manager user manual describe how to use application *GSM Manager 1.0*.

1.1 Who Should Read This Document

This document is intended to be a manual for the *GSM Manager 1.0*. It is designed for the user new to *GSM Manager*.



1.2 What This Document Contains

- Chapter 1, “*About this document*”. Introduction to purpose of this document.
- Chapter 2, “*First Steps*”. Provides new users with the basic knowledge to get them going with the software. A quick tutorial is provided to explain frequently used features. You should be able to use most of the program functions after you complete this chapter.
- Chapter 3, “*Main Window*”. Explains main window usage and options. It provides you with the understanding of different features of the main window.
- Chapter 4, “*Options Window*”. Explains the meaning of options that you can change in options window.
- Appendix A, “*Compatibility*”. Informs you about system requirements.
- Appendix B, “*Error Reporting*”. Provides you with the list of what should be described in case you found a bug or have an improvement idea.



2 FIRST STEPS

2.1 Why GSM Manager?

GSM Manager is a product for testing and setting up GSM modules.

2.2 Installation

2.2.1 Prerequisites

GSM Manager 1.0 requires the Microsoft .NET 2.0 framework installed. If you don't have it installed yet, you have to do so before you attempt installation of the *GSM Manager 1.0* itself. The .NET setup is provided for you on the installation CD-ROM.

2.2.2 Installation

Before using the software, you have to install it. Standard Windows installer is used makes this step straightforward.

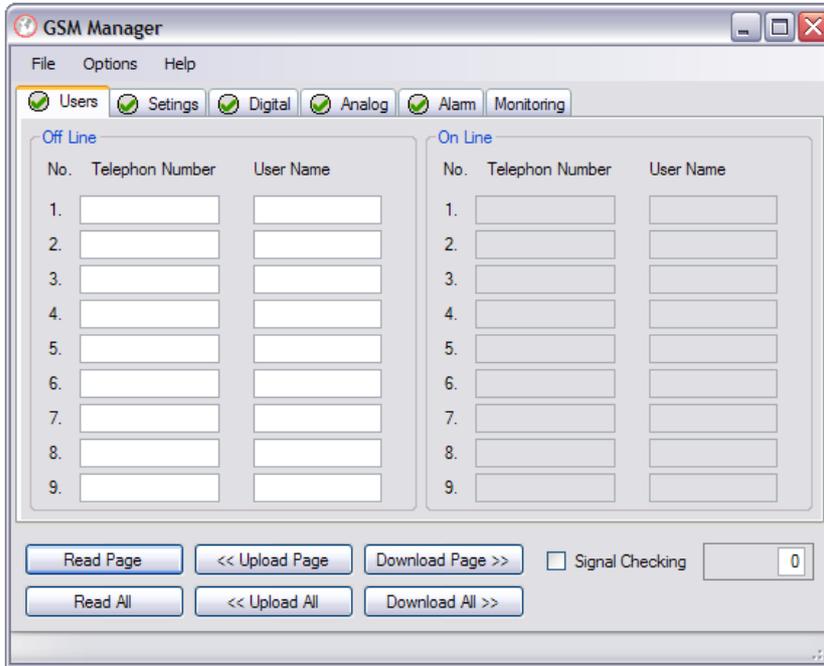
2.2.3 Starting the application

Once installed, you can find the application icon in the Windows start menu.



2.3 Quick Tutorial

2.3.1 Main window



When the application is started, the main screen appears.

Main window consists out of four parts. In main menu we have possibility for saving and loading offline values, exit application, set options and display about form with product information. In next section are data display pages, where we can see offline data values and data values readed from GSM modul's SIM card. Below data section are commands buttons for

reading, uploading and downloading data values. Here we also have signal checking, where we can see how strong is GSM signal. In the lower part of the main window is status bar, where messages are displayed.

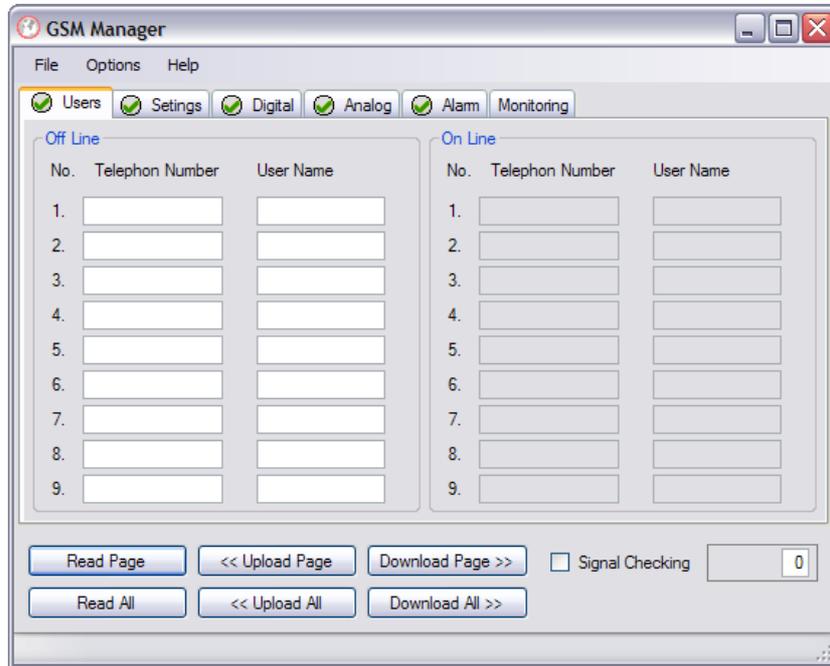
2.3.2 Options Window



In *Options* window we can select on which serial port GSM module is connected.



3 MAIN WINDOW



When the application is started, the main screen appears. Main window consists out of five parts.

3.1 Screen Layout

The screen is divide in 4 main areas: “main menu”, “data disply pages”, “commands” and status bar.

3.1.1 Main menu

“Main menu” occupies upper part of the window. It is used to access all program's functionalities.

File / Open

Opens open file dialog, where we can select XML file. That file will be used loading offline values.

File / Save

Opens save file dialog, where we can select in which file we want to save offline values.

File / Exit

Exits application.

Options / Options

Opens options window, where we can set communcation settings.

Help / About

Opens about window, where we can see profruct information.



3.1.2 Data display pages

“Data display pages” occupies upper part of the window. It is used to display offline data values and online data values readed from GSM module. More information about this topics is in chapter 4.

3.1.3 Commands

“Commands” area is located below data display pages. In this area are buttons for reading, uploading and downloading data values. Here we can also find signal checking for reading GSM module signal strength.

Read Page

With a click on “Read Page” button all data values on currently selected page will be readed from GSM module.

Read All

With a click on “Read All” button all data values on all pages will be readed from GSM module.

Upload Page

With a click on “Upload Page” button all online values on currently selected page will be copied to offline values.

Upload All

With a click on “Upload All” button all online values on all pages will be copied to offline values.

Download Page

With a click on “Download Page” button all offline values on currently selected page will be downloaded to GSM module.

Download All

With a click on “Download All” button all offline values on all pages will be downloaded to GSM module.

Signal Checking

When we check “Signal Checking”, signal will be readed from GSM module every second and shown in signal display.

Signal Logging

If we want to log signal values, we should check “Signal Logging”. Open file dialog will show, where we can select file to log in.

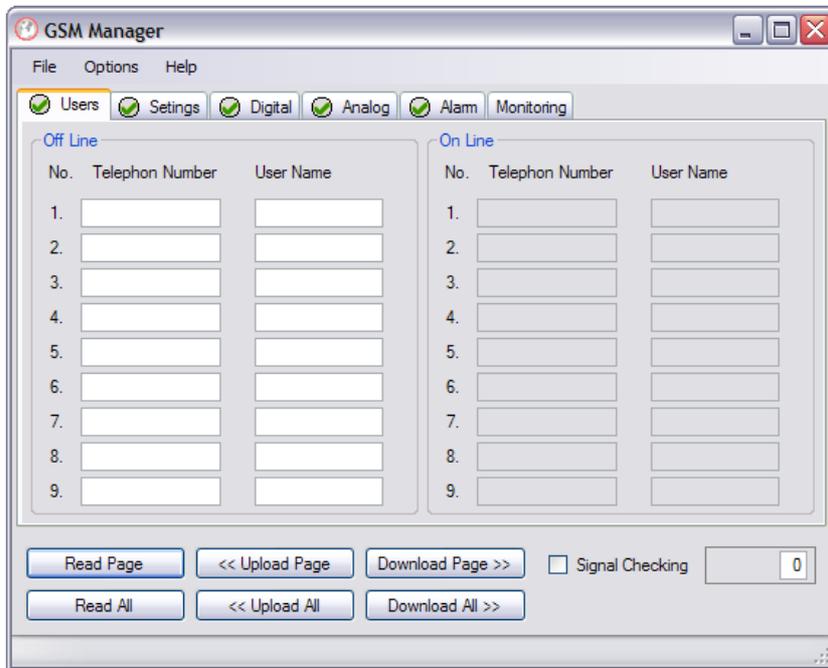
3.1.4 Status bar

This area is located on the bottom of the main window. Here are displayed messages about communication and communication progress bar showing communication status.



4 DATA DISPLAY PAGES

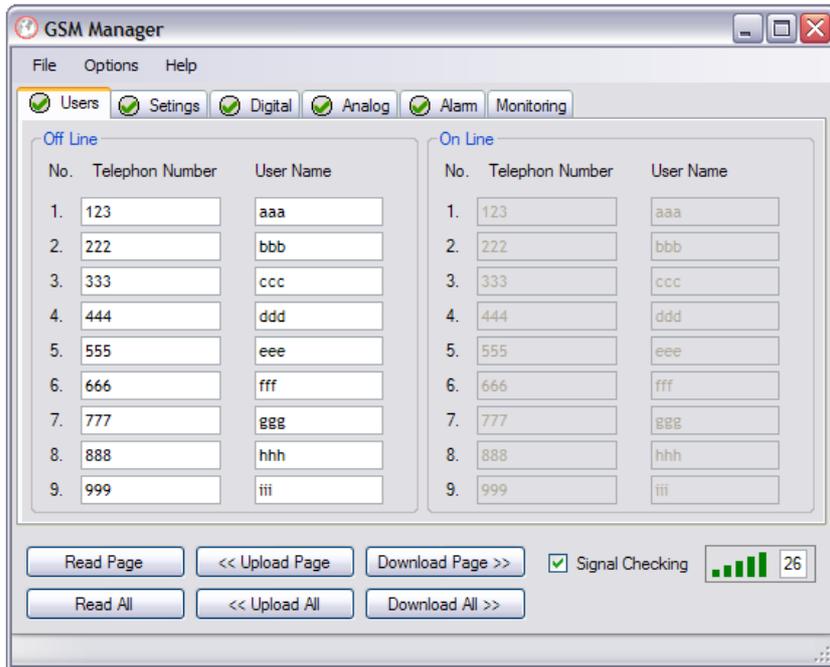
4.1 Usage of command buttons and display pages



“Data display pages” occupies upper part of the window. It is used to display offline data values and online data values readed from GSM module.

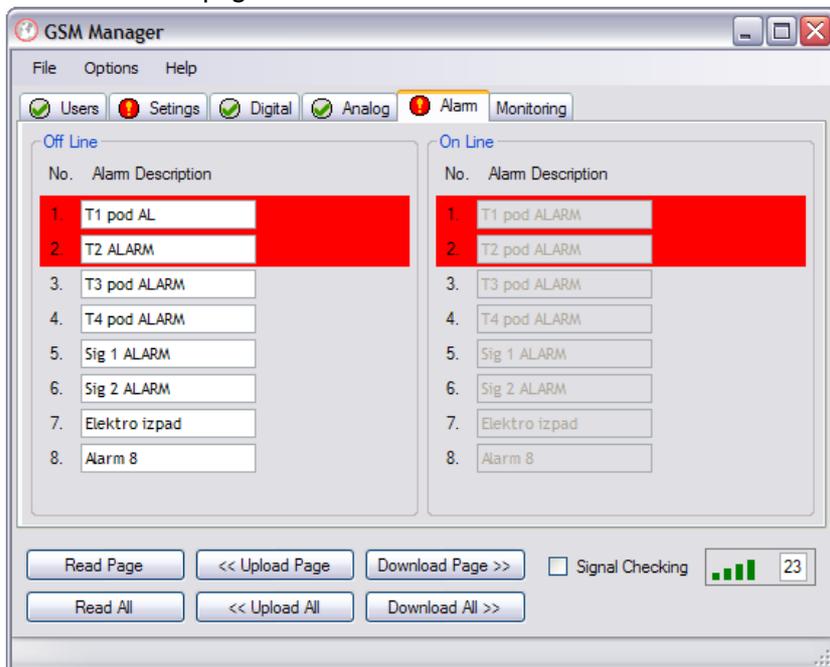
In “Data Display Pages” section all available pages are displayed: Users, Settings, Digital, Analog, Alarm and monitoring. We can switch between pages by clicking on tabs on the top. Each page has their specific data values. We can read these values from the GSM module by clicking on “Read Page” or “Read All” button. “Read Page” button reads from the GSM module all data values on the currently selected page, “Read All” button reads all data values on all pages.





On pages “Settings” and “Alarm” data values are not synchronized. On “Alarm” page first and second data values are not synchronized.

After reading one or more data values, data values won't be synchronized. When one or more offline and online are not synchronized page tab have red sign. Also every non-synchronized data value on page is colored red. To synchronize offline data values with online data values we can use “Upload Page” button to synchronize data values on current page or “Upload All” button to synchronize all data values on all pages.



On pages “Settings” and “Alarm” data values are not synchronized. On “Alarm” page first and second data values are not synchronized.

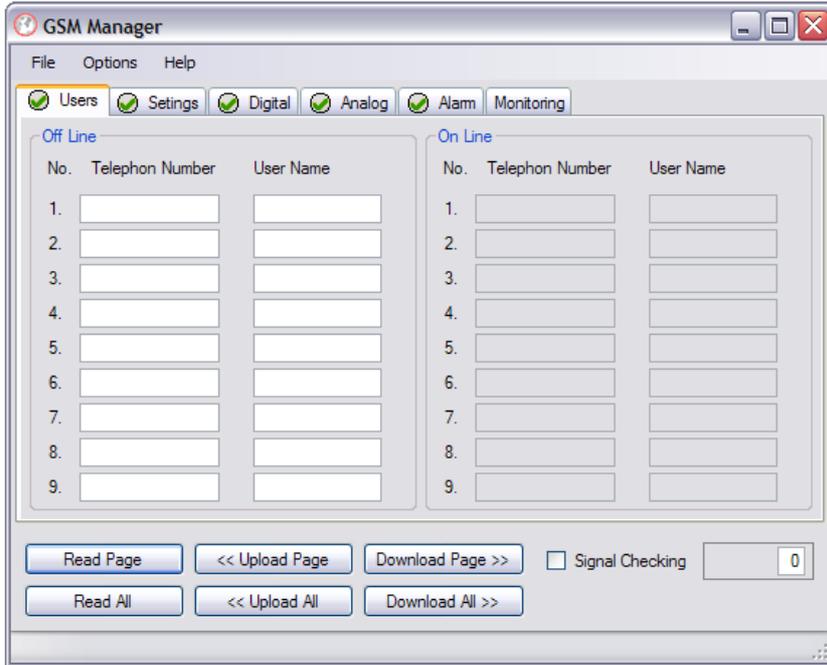
Also when we change one of the offline data values, changed data values won't be synchronized and colored red. To synchronize online data values with offline data values we use “Download Page” or “Download All” button. “Download Page” button will write to GSM module offline data values on currently selected page and “Download All” button will write to GSM all offline values on all pages.



4.2 Display pages

On every page we have offline values and online values. User can edit only offline values. Online values are values readed from GSM module. For details you can point with mouse on entry field and wait for half second to view description for this entry field.

4.2.1 Data pages



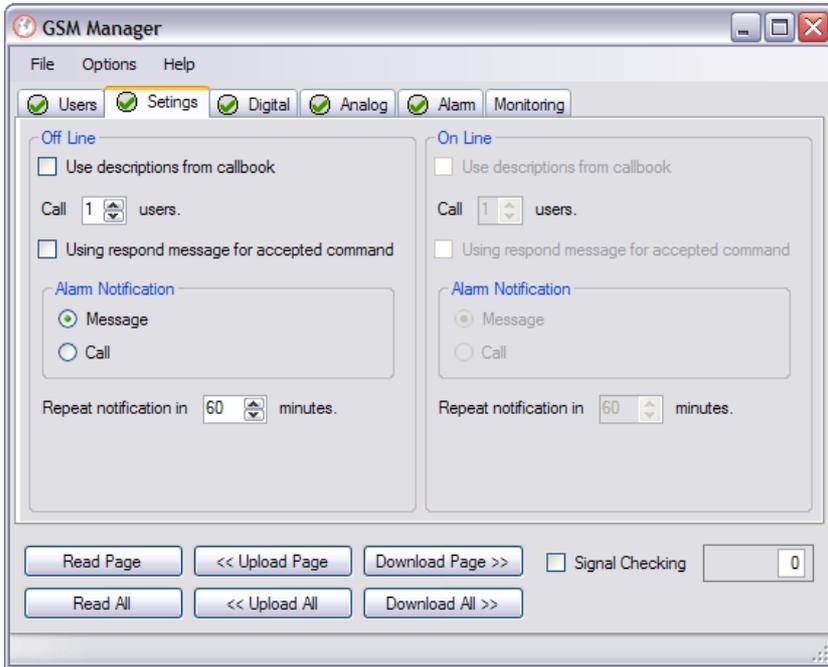
The screenshot shows the 'GSM Manager' application window. The 'Users' tab is selected, displaying two columns: 'Off Line' and 'On Line'. Each column has a table with three columns: 'No.', 'Telephon Number', and 'User Name'. The 'Off Line' table has 9 rows, and the 'On Line' table has 9 rows. Below the tables are buttons for 'Read Page', '<< Upload Page', 'Download Page >>', 'Signal Checking' (checkbox), and a numeric input field with '0'. There are also buttons for 'Read All', '<< Upload All', and 'Download All >>'.

Sample of data page.
View of data pages may vary.

On data pages we can edit offline values and write them to GSM module.



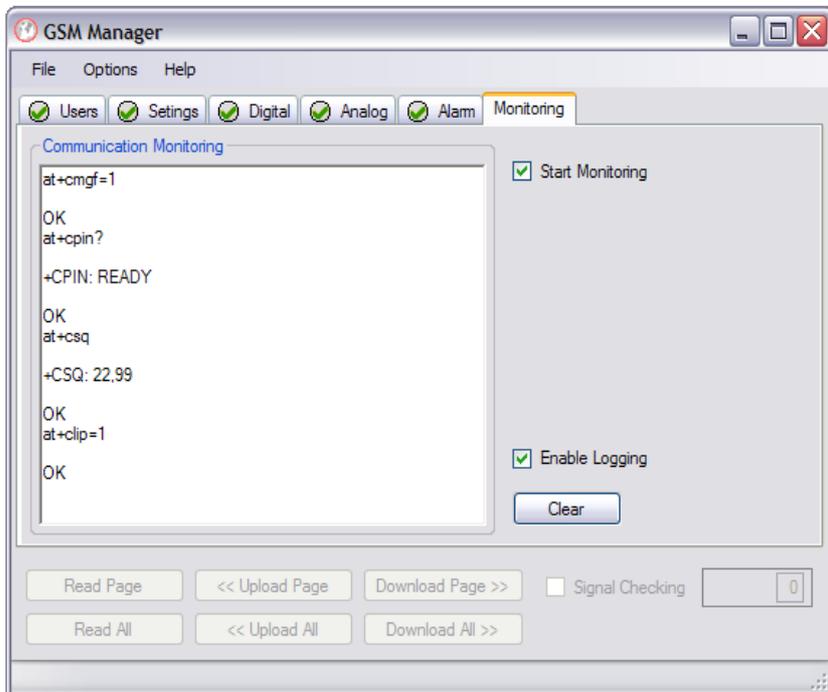
4.2.2 Settings



View of “Settings” page.

On “Settings” tab page we can set up behaviour of GSM module.

4.2.3 Monitoring

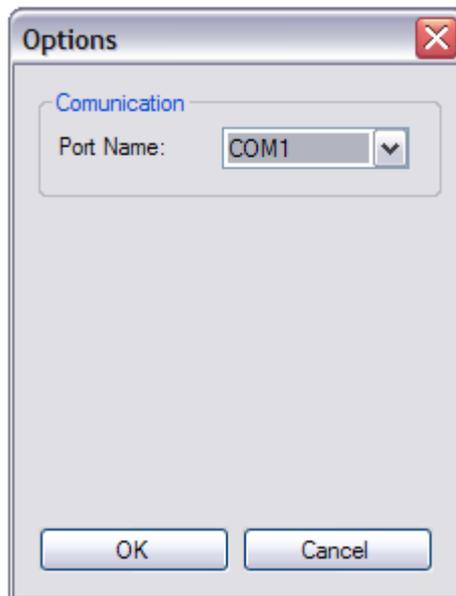


Monitoring page.

“Monitoring” page is used to monitor GSM module. We can start monitoring with checking “Start Monitoring” check box, when no other communication is running. If we want to log monitoring we can check “Enable Logging” check box and select file for logging in save file dialog. On this page is also “Clear” button to clear monitor window.



5 OPTIONS WINDOW



Options dialog presents you with communication options.

5.1 Screen Layout

The screen is divided into 2 main areas: communication and commands.

5.1.1 Communication

Communication options occupies the upper part of the window, containing 1 element: “port name”.

Port name

Port name defines over which port we want to communicate.



6 APPENDIX A - COMPATIBILITY

GSM Manager 1.0 has the following system requirements:

- Microsoft Windows 98 or later.
- At least 32Mb RAM.
- 2Mb hard disk space.



7 APPENDIX B - ERROR REPORTING

If you think you found a bug in our software or you have an idea of what can be improved or added, you are most welcome to share your thoughts with us. We will consider the possibilities and try to include them in our next release.

You should contact your vendor with the description. The following information should be included:

- Software version.
- Detailed description of the bug or idea.
- If possible, steps that will recreate the problem (if bug is being reported).
- Your contact information (e-mail, phone, fax).

In case we need more information we may need to contact you before we can determine the exact solution.

And remember: the only software without a need for maintenance is the software not being used!



8 APPENDIX C - LICENSE

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Ljubljana, January 2025



9 CHANGES

The following table describes all the changes to the document.

Date	V.	Description
24.5.2007	001	The basic version, issues as <i>GSM Manager 1.0 - User Manual</i> .
12.06.2025	002	Added Appendix C - License

