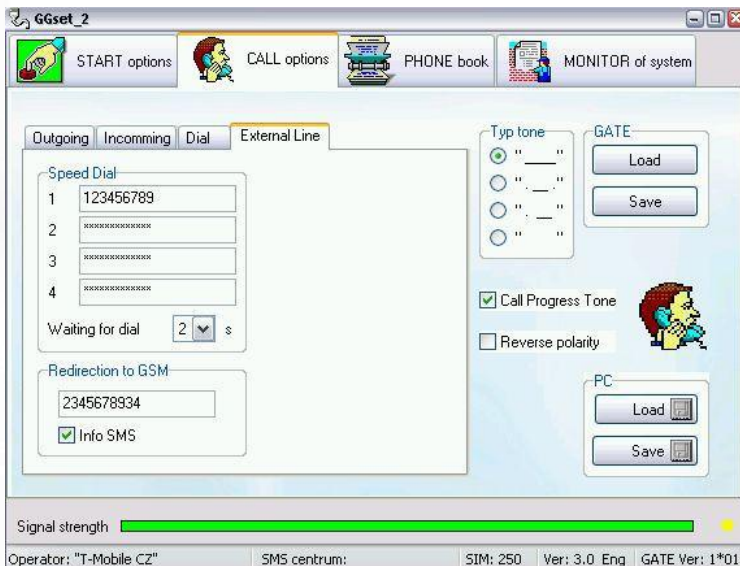




# GGset

## Configuration software for Mini Gate A FxO-FxS

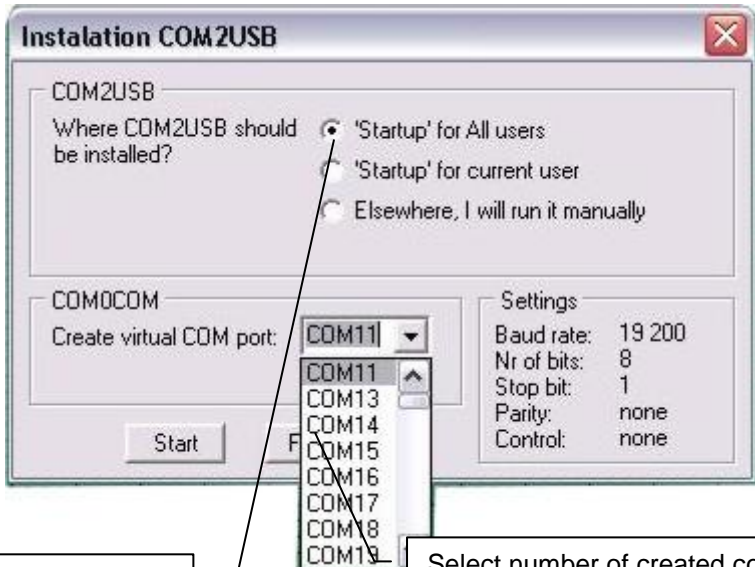


## User guide V 1.0



## Installation

Files from selected address of your language version at CD please copy to selected ( or new created) address in your PC. Run application Install for USB driver installation as same as creating of virtual com port.



Programm for creating of virtual com port must be always ON during connection with unit. Select if it is run automatically ( for all or certain subscriber of PC). You can also run it manually.

Select number of created com port from offer of free ports

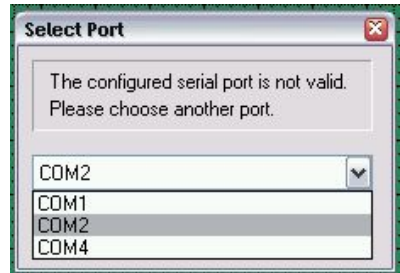
Switch ON the unit. Wait until is registrated into network. By USB cably connect unit to PC (USB cable is attached in unit package). When is not yet installed appropriate USB driver for this type of USB at PC monitor will be shown attention for connection of new HW. The usual routine for installation appropriate driver will start automatically (HID). It has to finish by PC announcement that new HW is ready for using.

Programm GGset doesnt require installation just run it.

## Programm Start

Start GGset programm and select appropriate COM port where is unit connected (it is a port which you selected as virtual com port during installation).

When you select com where is already connected Mini Gate A (not FxO-FxS version) programm will automatically switch into mode for this unit. Items for programm parametres of FxO-FxS model will not be displayed. They appear again when you connect FxO-FxS unit.



**After programm start ( in active mode – via follow) Mini Gate is blocked for calls. Incoming calls are rejected and outgoing calls get busy tone. The Mini Gate set up new parametres until 30 seconds after GGSET ending ( Mini Gate restart).**

## Basic program description

Program contains a few Folders (buttons) which include similar parameters. Under Folders is status bar display operational information about connected gate.

The screenshot shows the GGset\_2 software interface. At the top, there are five main folders: START options, CALL options, PHONE book, and MONITOR of system. The main window is divided into several sections:

- Speed Dial:** A list of four entries with phone numbers. The first entry is 123456789.
- Waiting for dial:** A dropdown menu set to 2 seconds.
- Redirection to GSM:** A text field containing 2345678934 and a checked checkbox for Info SMS.
- Typ tone:** Four radio buttons for selecting different tones.
- GATE:** Load and Save buttons.
- Call Progress Tone:** A checked checkbox.
- Reverse polarity:** An unchecked checkbox.
- PC:** Load and Save buttons.

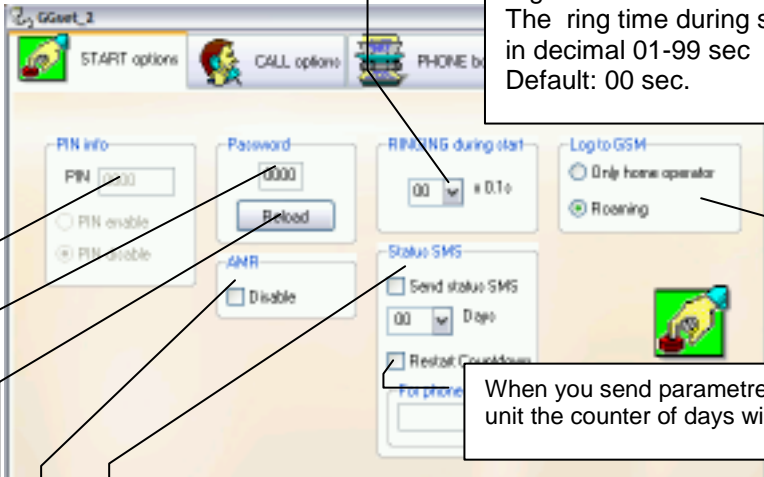
At the bottom, there is a status bar with a green signal strength indicator and the following text: Operator: "T-Mobile CZ", SMS centrum:, SIM: 250, Ver: 3.0 Eng, GATE Ver: 1\*00. A yellow dot is visible on the right side of the status bar.

Callouts point to the following features:

- Parameters for Gate start (points to the START options folder)
- Call parameters (points to the CALL options folder)
- Phone book for CLIP (points to the PHONE book folder)
- GSM network and Mini gate operation monitoring (points to the MONITOR of system folder)
- Used GSM operator and additional info (points to the status bar text)
- GSM signal strength (points to the green signal strength bar)
- During registration of Gate to GG SET is showing here symbol „searching“. During serial communication is here yellow point. When is ERROR the point is red. (points to the yellow dot in the status bar)

## Folder START options

Some PBX needs ring to line for registration of new device. The ring time during start is set in decimal 01-99 sec  
Default: 00 sec.



When you send parameters to the unit the counter of days will be put 0

Periodical sending of status SMS to preprogrammed number  
SMS in format:  
IMEI, IMSI, signal strength, Cell number

Restriction of automatic usage AMR (for MC55i modul only)

Command for parameters reloading when wrong password was inserted.

Password to access connected Gate. When is incorrect then you cant change any setting. (parameters and phone book)  
Default: 0000

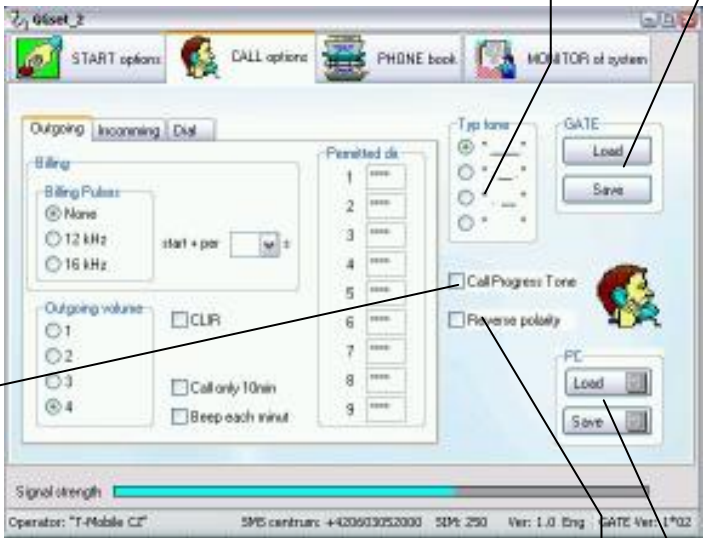
PIN information. PIN and its setting is possible change only by connected analog phone after inserting password.

GSM network registration. You can allow all networks (roaming) or domestic network only.  
Default: all networks

# Folder CALL options

Reading and saving all parameters to Gate. It is valid also for parameters from Folder „START“. The buttons are unavailable when you insert wrong

Dial tone setting.  
Default: continous (permanent) tone

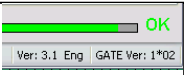


Activation of „progress tone“ identify searching of call part in GSM net  
Default: OFF

Polarity change during ON/OFF HOOK.  
Default: OFF

Loading and saving parameters into Computer

Successful save the parameters of the gate



Folder CALL options contain other subFolders:

## Outgoing Call

Loudness in outgoing direction (1-4)  
Default: 1

Setting of tax (billing) pulses 12 or 16 kHz  
Default: OFF

When billing pulses are ON the first puls is sent when call is pick up. Further pulses may be send in preprogrammed periods  
Default: 1 pulse only when call is pick up

Outgoing Incoming Dial

Billing

Billing Pulses

None

12 kHz

16 kHz

start + per [dropdown] \$

Outgoing volume

1

2

3

4

CLIR

Call only 10min

Beep each minut

Permitted dir.

1 XXXXXX

2 XXXXXX

3 XXXXXX

4 XXXXXX

5 XXXXXX

6 XXXXXX

7 XXXXXX

8 XXXXXX

9 XXXXXX

9 memories for permitted directions  
Permitted direction may be 1-4 digits of number beginning..  
Other numbers will get busy tones.  
\*\* , which means various numeral may be at last digits only.  
Default: All calls possible

Beeps setting every minute to the call as notification for GSM call.  
Defaultně: OFF

Call duration limit for 10 minutes. 1 minute before end you get beep as warning of the end. By pressing „#” you can prolong the call about 10 minutes.  
Defaultně: OFF

**CLEAR service activation. When you want to use it please check availability at your GSM operator.**  
Defaultně: OFF

# Incoming Call

Activation and format CLIP feature.  
When on SIM card in Gate are saved names with numbers (via Folder phone book), will be in CLIP sent also caller name  
Default: CLIP FSK Bell

The screenshot shows a settings menu with four tabs: 'Outgoing', 'Incoming', 'Dial', and 'External Line'. The 'Incoming' tab is selected. Under the 'Incoming' tab, there are two main sections: 'CLIP' and 'Incoming volume'. The 'CLIP' section has four radio button options: 'NONE', 'CLIP FSK Bell' (which is selected), 'CLIP FSK Bt', and 'CLIP DTMF'. The 'Incoming volume' section has four radio button options: '1' (which is selected), '2', '3', and '4'. At the bottom right of the settings area, there is a checkbox labeled 'CallBack to GSM' which is checked.

Permission of CallBack feature

Loudness in incoming direction (1-4)  
Default: 1



## Dialling

Type of dial setting. .  
Default: automatic detection of DTMF/PULSE dial

Dial delay for preprogrammed time (decimal sec 00-99)  
Default: 0

Number of dialled numeral, after its is dial send immediatelly  
(dial completed)  
Default: OFF

Waiting for dial after pick up . After time out is busy tone,  
eventually reverse polarity (call end)  
Default: OFF

Waiting for last number (01 to 15 sec). After time out is sent  
out dialled number.  
Default: 6 seconds.

The screenshot shows a settings window with tabs for 'Outgoing', 'Incomming', and 'Dial'. The 'Dial' tab is active. On the left, there are two sections: 'Dial' with radio buttons for 'DTMF/PULSE' (selected), 'PULSE', and 'DTMF'; and 'Confirmation c' with radio buttons for '#' (selected) and '\*'. Below these is a checkbox for '00 = +' which is currently unchecked. On the right, there are four dropdown menus: 'Waiting for number' set to '06', 'Waiting for dial' set to '..', 'Digits for dial' set to '..', and 'Dial delay' set to '00' with a multiplier of 'x 0.1 s'. Five callout boxes with lines pointing to the interface provide additional details: 1. Points to the 'DTMF/PULSE' radio button. 2. Points to the 'Waiting for number' dropdown. 3. Points to the 'Waiting for dial' dropdown. 4. Points to the 'Confirmation c' section, specifically the '#' radio button. 5. Points to the '00 = +' checkbox.

Confirmation character. After its dial is sent out  
dialled number.  
Default: “#”

„00“ dial in number beginning will be changed to “+”  
Default: OFF

# External Line (PSTN)

The screenshot shows the 'External Line' configuration window with the following elements and callouts:

- Speed Dial:** A section with four rows. The first row contains the number '123456789'. The other three rows contain asterisks. A callout box points to these rows with the text: "4 memories of speed dial (max. 20 digits)".
- Waiting for dial:** A dropdown menu currently set to '2' with a 's' icon to its right. A callout box points to this dropdown with the text: "Waiting for dial in – when value is 0 connection directly to PBX (phone)".
- Redirection to GSM:** A section containing a text field with the number '2345678934' and a checked checkbox labeled 'Info SMS'. A callout box points to the number field with the text: "Number for „Mobility Extension“ – call forwarding to preprogrammed GSM number when call is not picked up at PBX (phone). When number is not saved the feature is OFF."
- Info SMS:** A callout box points to the checked checkbox with the text: "Permission of sending SMS with number of caller part when you reject the forwarded call to „Mobility Extension“ GSM number".

## Folder Phone book

Work with phone book on SIM card inserted in Gate. At unit FxO-FxS is used as a „White list“ list of numbers which can use Callback feature eventually dial in to PSTN line.

The screenshot shows the 'PHONE book' application interface. At the top, there are menu options: 'START options', 'CALL options', 'PHONE book', and 'MONITOR of system'. The main area contains a table with columns 'Name' and 'Phone'. Two entries are visible: 'ALPHA764' and 'Lubax'. To the right of the table are buttons for 'SIM', 'Load', and 'Save'. Below the table is a 'Visit Phone Book' button. At the bottom, there are buttons for 'Find', 'Find Next', and 'Sort'. A status bar at the very bottom shows 'Signal strength', 'Operator: T-Mobile CZ', 'SMS center: +420903052000', 'SMS: 250', 'Ver: 1.0 Eng', and 'GATE Ver: 1\*02'.

Callouts and their descriptions:

- Name field max. 14 characters**: Points to the 'Name' column header.
- Loading and saving phone book on SIM**: Points to the 'SIM', 'Load', and 'Save' buttons.
- Size of phone book**: Points to the table area.
- Phone number field. When is saved in national format and CLIP is display in international it will be converted automatically.**: Points to the 'Phone' column header.
- Number searching**: Points to the search input field below the table.
- Name searching**: Points to the search input field below the table.
- Loading and saving phone book to PC**: Points to the 'PC', 'Load', and 'Save' buttons.
- Searching start**: Points to the 'Find' button.
- Searching next in order**: Points to the 'Find Next' button.
- Phone book sorting up alphabet**: Points to the 'Sort' button.
- Format checking**: Points to the 'Sort' button.

## **Work with phone book**

The work with phone book is the same like work with table. By button „Insert“ on keypad of PC insert new rowsto cursor place. By button „Delete“ erase row contain. When you erase name as same as number from row then after cursor move the empty row is erased. During work with phone book is running automatic format control.

The phonebook you can load and save in your PC where you can edit saved data. After finishing phone book adjustment we recommend use button for checking data format.

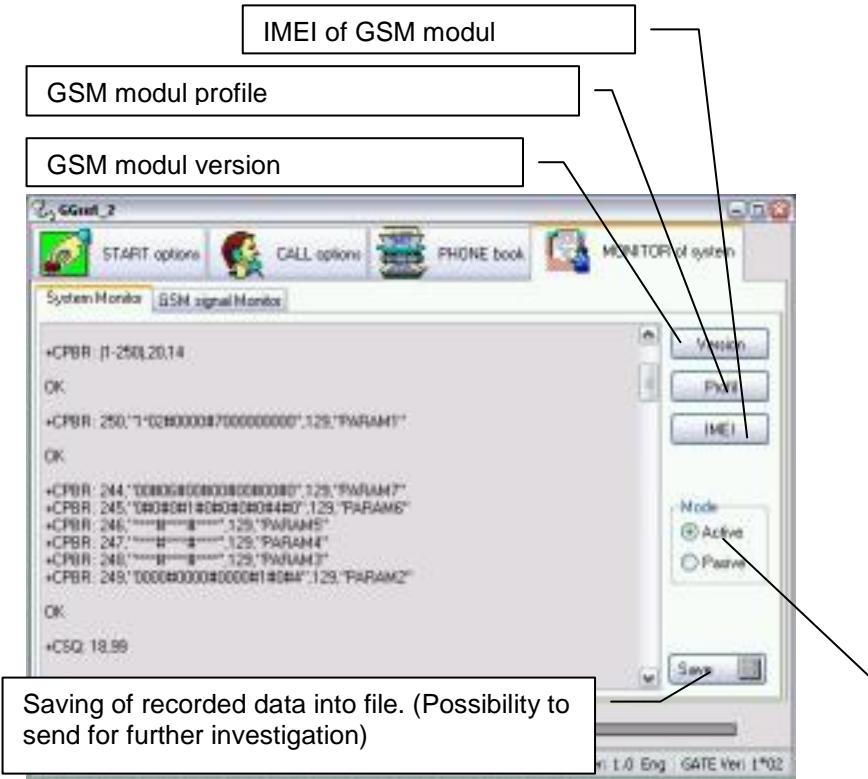
Saving to SIM takes a time particularly in phone book longer than 100 records. (a few minutes). The process of phone books saving is shown on scale at bottom of window. During this action are control elements blocked.

The lenght of phone book may be various however to SIM will be saved only data up capacity of SIM card. (capacity info at bottom bar).

# Folder GSM network monitoring and gate operation (for service purpose)

The Folder has 2 subFolders:

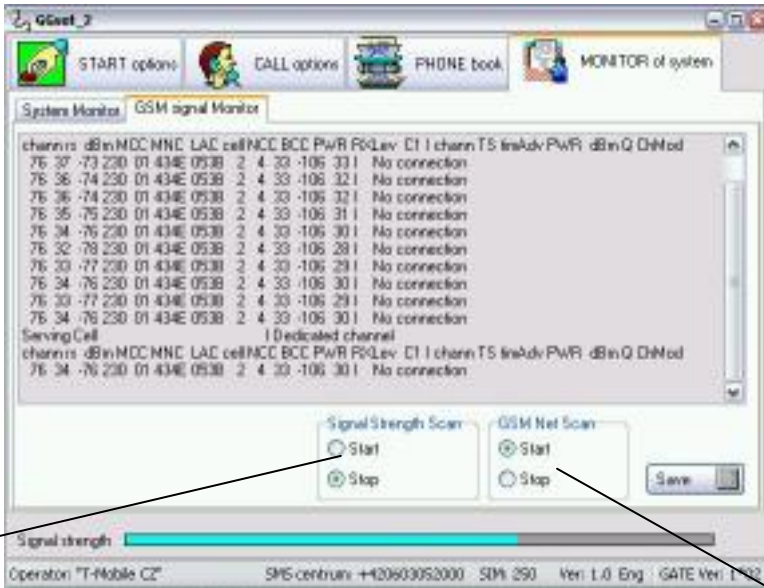
## System monitor



Switching active/pasive mode. Active mode is design for programming gate parametres. To monitor gate operation you have to switch into pasive mode.  
**CAUTION! We do not recommend during pasive mode send any commands to gate (loading or saving parametres, checking of GSM modul parametres, etc..). It can cause communication error which blocks the gate!!!!**  
Default: active mode

## GSM monitor

Features mention bellow we recommend use in active mode only. We recommend to use it in pasive mode for service staff only!



Start and stop fast scanning of GSM signal strenght. The programm shows change of GSM signal as quickly as GSM modul gives the info. It is very useful for finding best position for placing GSM antenna.

By start of this feature will be in 5 seconds interval monitor connection parametres between gate and appropriate BTS ( Cell). It helps you to investigate reasons of eventual problems in cooperation between GSM network and Gate.



**ALPHATECH TECHNOLOGIES s.r.o.**  
Jeremenkova 88, Praha 4, Czech Republic  
[www.alphatechtechnologies.cz](http://www.alphatechtechnologies.cz)

**ALPHATECH TECHNOLOGIES s.r.o.**

Jeremenkova 88  
140 00 Praha 4  
Czech Republic  
VAT: CZ27577350

Company is registered in the Commercial Register  
administered by the Municipal  
Court in Prague, Section C, Record 116886

**Banking details:**

Komerční banka, account No. 43-7671450207/0100  
IBAN: CZ0801000000437671450207  
SWIFT: KOMBCZPPXXX

