



MOBIGATER
WWW.MOBIGATER.COM

User Guide

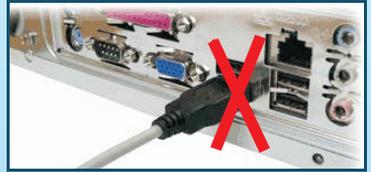
MOBIGATER SIP

VOIP-GSM
gateway



How to Get Started?

Please, do not connect the **MobiGater** device to your PC prior to installing the **MobiGater** software!



Installation will start automatically when inserting the CD in your CD ROM device
If it doesn't, please run Setup.exe from the main folder of the CD



MobiGater software requires "Microsoft .NET Framework 2.0".

If you don't have it installed with the ordinary Windows updates, please install it from \WindowsUpdate\dotnetfx_v2.exe

Software Installation

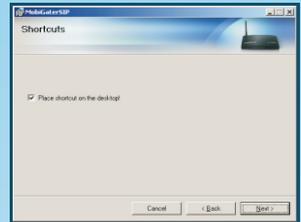
1. Press "Next"



2. Press "Next"



3. Press "Next"



4. Press "Next"



5. Wait until installing

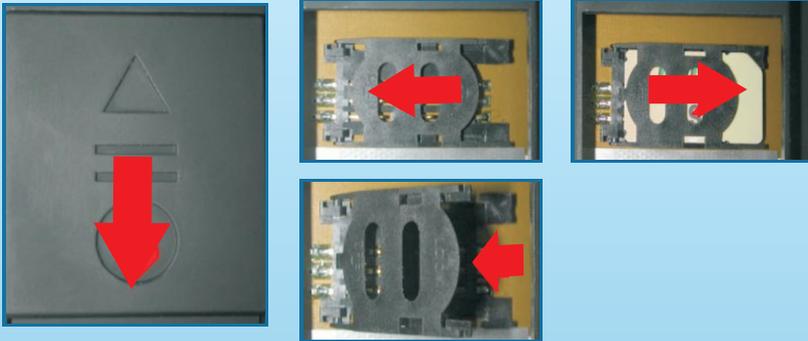


6. Press "Close"



Inserting the SIM card in the MobiGater device

There is a small cover on the bottom side of the MobiGater device



Move the “cover” in the direction from “◀” to “●”.
Move the “SIM card holder” in the direction “OPEN”.
Insert the SIM card.
Close the SIM card holder in the direction “CLOSE”.
Insert the “cover” back in its initial position.

Connecting the MobiGater Device



Connect the antenna to the
MobiGater (3).



Connect the MobiGater (small USB slot (2) using
the USB cable to your PC's USB port (4).



Connect the power adapter to the MobiGater (1),
then connect the power cable to the adapter and
then plug the power cable into the power supply.



Please, wait until the hardware installation is completed.

If windows asks how to search for drivers, please select “No, not this time” and then “Install the software automatically (Recommended)”

1.



Select “No, not this time” and press “Next”

2.



Select “Install software automatically (Recommended) and press Next”

3.



Press “Continue Anyway”

4.



Press “Finish”



Wait until the hardware installation is finished.

Starting MobiGater software for the first time



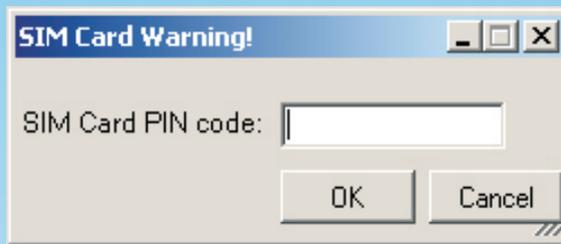
Start the program from the “MobiGaterSIP” icon on your Desktop (or from the [Start] button > Programs > Euro Design > MobiGaterSIP).



MobiGater splash will show up for several seconds.

If your SIM card has a PIN code, the program will request it at the first startup.

Enter the PIN code and press [OK].



The “MobiGater” icon will appear in the system tray.



Setting up the program language



The start-up language of the MobiGater program is “English” by default. To change it, please open the “Languages” tab and choose one of the available languages.

Setting up the software for the first time

Select “Tools” > “Settings”



Select “General” submenu.

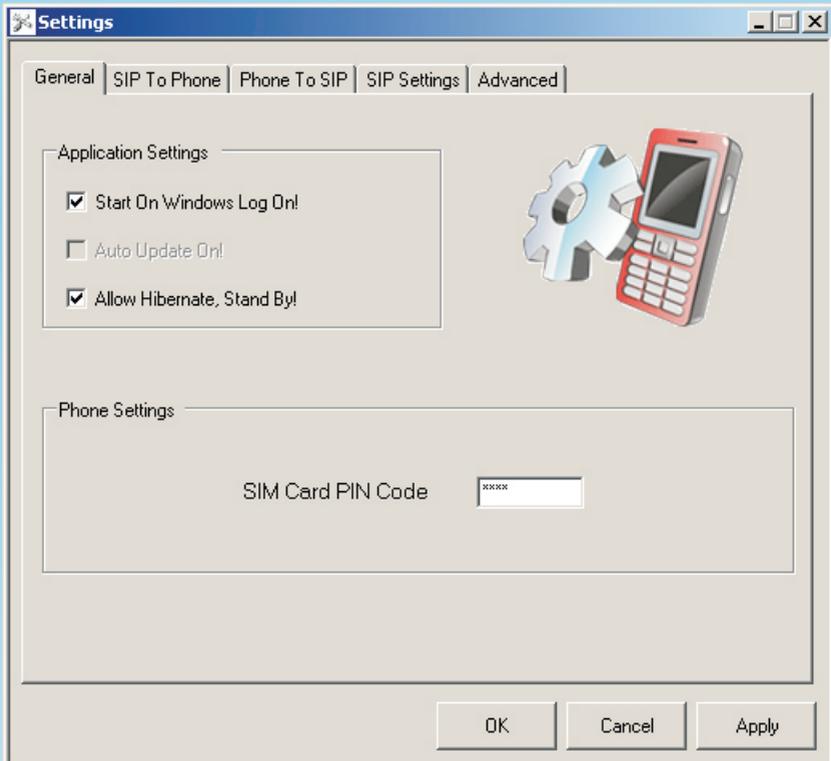
“Start On Windows Log On!” - MobiGater software will start up automatically when Windows logs on.

Recommended: checked

“Allow Hibernate, Stand By!” - Allows the computer to go in Hibernate and Stand By modes.

“SIM Card PIN Code” - enter the SIM card PIN code. (if a SIM card PIN code request is enabled).

Recommended: enter the SIM card PIN code



Select “SIP to Phone” submenu

Incoming SIP call will be forwarded to you.

“Forward To” - the mobile phone number that will receive the incoming SIP calls. Important: The phone number entered has to be in international format. (Starting with “+...”).

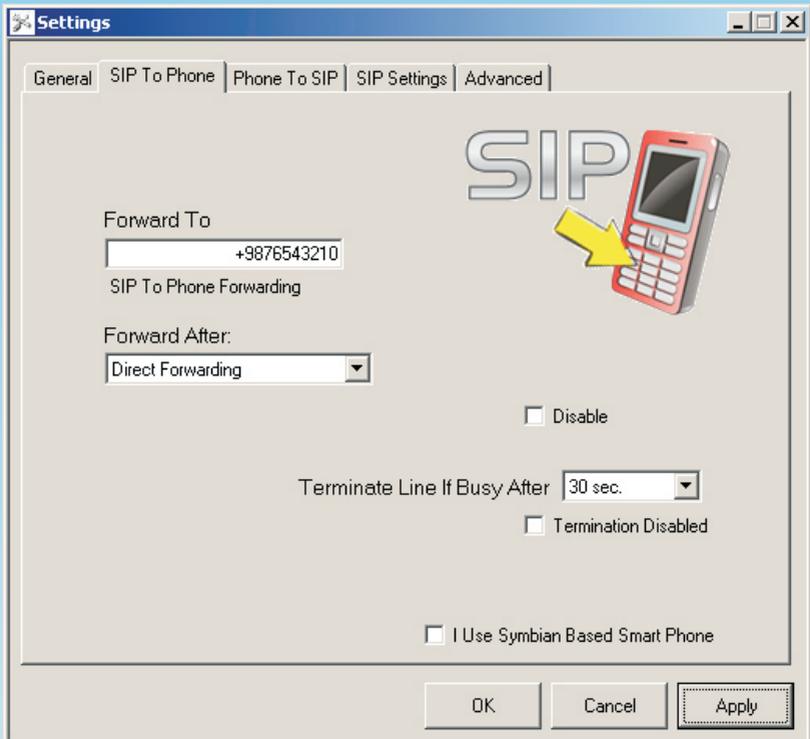
Recommended: enter your mobile phone number.

“Disable” - disables the forwarding of incoming SIP calls to the user’s mobile phone.

Recommended: not checked

“I Use Symbian Based Smart Phone” - additional symbian software that is installed on your Symbian S60 based phone. (Not available yet)

The other settings from this submenu are optional.



Select "Phone to SIP" submenu

Incoming phone calls can be accepted by:

- "Receive calls from any phone" - everyone who calls your MobiGater (SIM card number) can use the device.
- "Receive calls only from"

In this case you can:

[Add] - add phone number: Press [Add] and enter a phone number.

Important: The phone number(s) entered has/have to be in international format. (Starting with "+...").

[Edit] - edit phone number. Select a phone number and press [Edit] to change it.

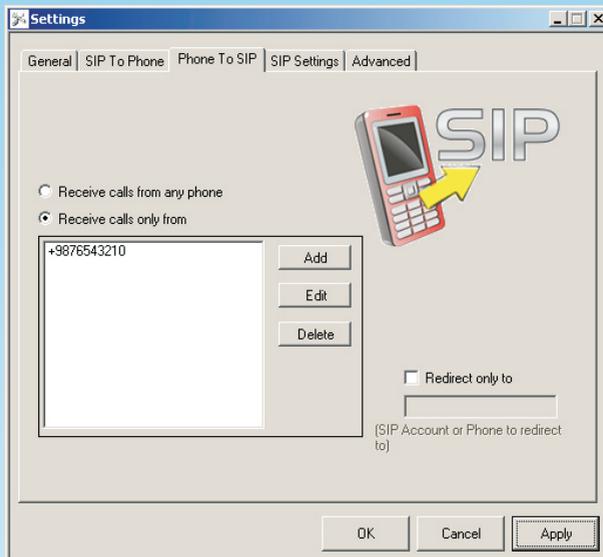
[Delete] - delete (remove) phone number. Select a phone number and press [Delete] to remove it.

Recommended: Choose "Receive calls only from", then add only your mobile phone number.

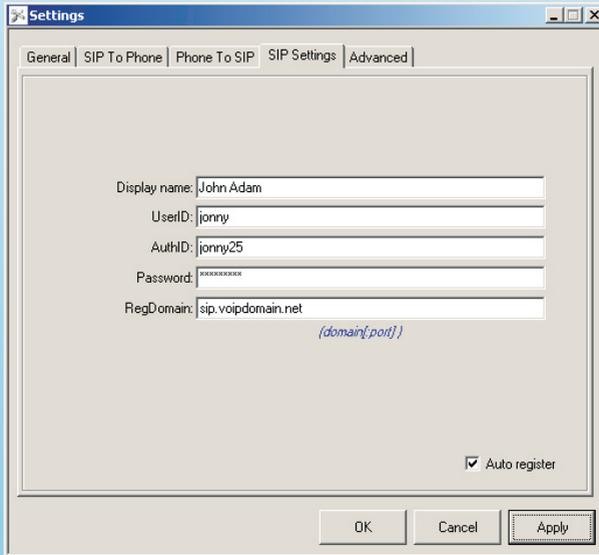
The option "Redirect only to" is an additional one, which forwards the incoming phone calls to the MobiGater SIM card number, to either a SIP account or a phone number (credit required).

Attention: Do not enter your SIP account (the one that is running on your computer with the MobiGater).

Recommended: not checked

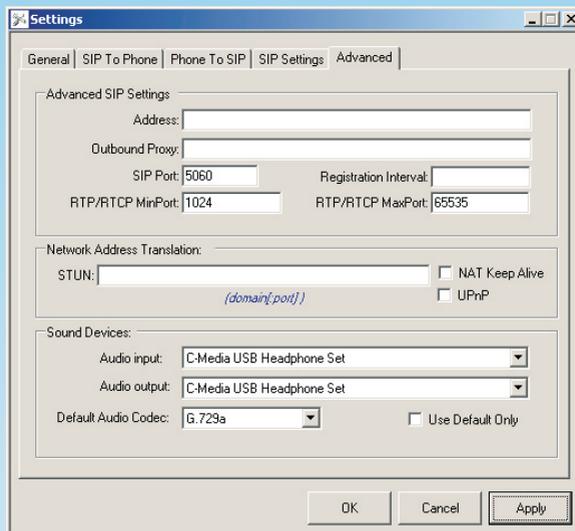


Select "SIP Settings" submenu
Please enter your SIP account settings.
Please request them from your SIP provider.



The screenshot shows a window titled "Settings" with a tabbed interface. The "SIP Settings" tab is selected. The window contains several text input fields for SIP account information: "Display name" (John Adam), "UserID" (jonny), "AuthID" (jonny25), "Password" (masked with asterisks), and "RegDomain" (sip.voipdomain.net). A placeholder text "(domain[port])" is shown below the RegDomain field. There is a checked checkbox for "Auto register". At the bottom, there are "OK", "Cancel", and "Apply" buttons.

Select "Advanced" submenu
These are additional SIP settings that can be entered, if required.

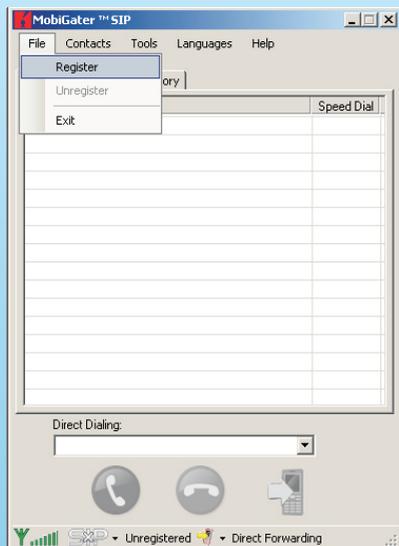


The screenshot shows the "Advanced" tab of the "Settings" dialog box. It is divided into three sections: "Advanced SIP Settings", "Network Address Translation", and "Sound Devices".
- "Advanced SIP Settings" includes fields for "Address", "Outbound Proxy", "SIP Port" (5060), "Registration Interval", "RTP/RTCP MinPort" (1024), and "RTP/RTCP MaxPort" (65535).
- "Network Address Translation" includes a "STUN" field with a placeholder "(domain[port])", and checkboxes for "NAT Keep Alive" and "UPnP".
- "Sound Devices" includes dropdown menus for "Audio input" and "Audio output" (both set to "C-Media USB Headphone Set"), and a "Default Audio Codec" dropdown (set to "G.729a") with a "Use Default Only" checkbox.
At the bottom, there are "OK", "Cancel", and "Apply" buttons.

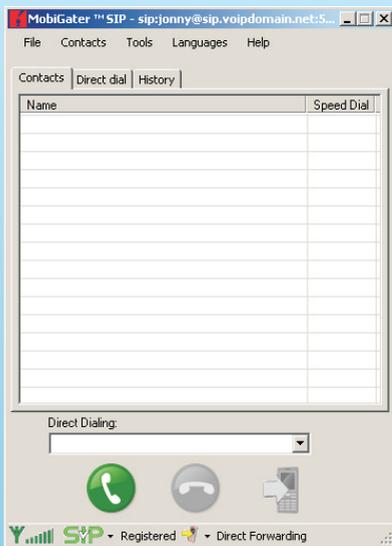
Registering your SIP account

Select “File” from the menu

1. Choose “Register”



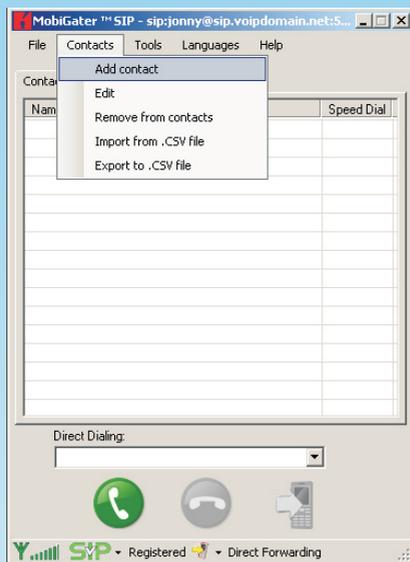
2. “Registered” successfully (at the bottom)



Adding contacts

Select “Contacts” from the menu

You can Add a contact from the submenu



“SIP address” and “Speed-dial” are the minimum required data you need to add a contact.

Add Contact Details

Contact's data

Name: First: Last:

Maria Ray

Display as:

Maria Ray office sip

SIP address:

mray@sip.company.org

Speed-dial:

3

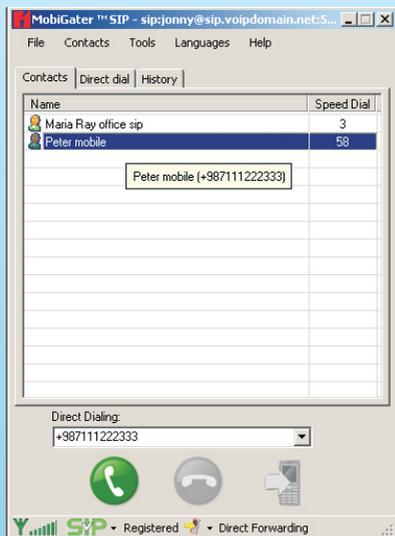
OK Cancel

Repeat the above steps to add another contacts.

Make outgoing SIP calls from the software program to another SIP account.



Make SIP outgoing calls from your mobile phone using the Speed-Dial numbers you have entered when adding the corresponding contact



From your mobile phone dial your MobiGater's SIM card number.
Wait until a connection is established
Dial * for a beginning
Dial a desired Speed Dial
Dial # for end of dialing



Dial your MobiGater SIM card number
Wait until a connection is established
Dial * for a beginning
Dial a full international format number starting
with **00**...(for example 00987111222333)
Dial # for end of dialing
The Program will dial the phone number 00987111222333

Tips (examples) for Fast Dialing:

0551234567p*89#

0551234567p*0012345678901#

0551234567 is your MobiGater SIM card number

89 is a Speed-Dial

0012345678901 is an international format phone number

“p” is “pause”, it can be entered on:

Nokia: by pressing the “*” key three times

SonyEricsson, Samsung, Motorola: by holding the “*” key

Panasonic: by holding the “0” key

Siemens: by pressing the “0” key twice (it uses “+” instead of “p”)

Incoming SIP calls will be forwarded to your mobile phone



Technical Recommendations

- We recommend the use of the long antenna (the one with the cable) to assure a better coverage of the MobiGater:
- Place the antenna as far as possible from the MobiGater box.
- Make sure that there are no tv/radio receivers and monitors near the antenna. Otherwise a signal disturbance can appear.
- We recommend that the PC and the MobiGater power supplies are in the same power network (same wall-plug) to prevent damages of the device. Don't pull out/insert a SIM card during operation of the device.
- Don't plug the MobiGater power supply before inserting the SIM card and connecting the USB cable to the computer.
- Don't disconnect or switch off the MobiGater device during an active call.
- When a new USB Audio Device is plugged into your PC, Windows will automatically set it as a default Audio Device. (This is Windows procedure and can't be avoided). In order to listen some music on your computer speakers, you need to set up your desired Sound Card from: "Control Panel" > "Sound and Audio Devices" > "[Sound]" section.
- MobiGater sets SIP to use MobiGater's ¹⁵ Sound Card (C-Media USB Headphone Set) in order to make a call transfer. If you want to make or receive a call when you are in front of the computer, please plug in your Headphones and Microphone directly into the MobiGater device.
- The two extra USB ports can be used to connect desired USB devices.
- If your PC is turned off or is in StandBy mode, the MobiGater device will not work
- The MobiGater device will ONLY work with GSM standard mobile phones operating under 900/1800/1900 Mhz band. Please check with your Mobile Phone Operator if your mobile phone will work with these standards.
- MobiGater only works with GSM based phones. MobiGater does not work with CDMA phones.
- If a SIP user calls while a MobiGater conversation is under way, the line will be busy and thus not be able to establish a connection.

Technical Specifications:

GSM Network Type: GSM Phase 2/2+

GSM Module: 900/1800/1900Mhz Compatibility

SIM Card: plug-in; 1.8V or 3V

Dialing format: Two stage dialing

Temperature Range: 0-45°C, 32-113°F

Consumption: Stand-By: 350mW; In Call: 2W

Maximum Relative Humidity: 95%

Dimensions: (W x D x H): 190 x 135 x 40mm

Connectors:

USB cable between PC and MobiGater

USB Host Ports x2 (optional)

PWR Supply: DC PWR jack

Antenna: SMA Female

3.5mm Stereo Jack x2 (Line Out, Microphone)

Requirements

Processor 800MHz or faster

RAM 256 MB or more

Microsoft .NET Framework 2.0

Microsoft Windows XP or 2003 (32bit) (other OS not supported)