

my405X

ENGLISH



You have just purchased a SAGEM phone, we congratulate you; it is recommended that you read this handbook carefully in order to use your phone efficiently and in the best conditions.

Your phone can be used internationally in the various networks (GSM 900 MHz and DCS 1800 MHz or PCS 1900 MHz) depending on the roaming arrangements with your operator.

We remind you that this phone is approved to meet European standards.

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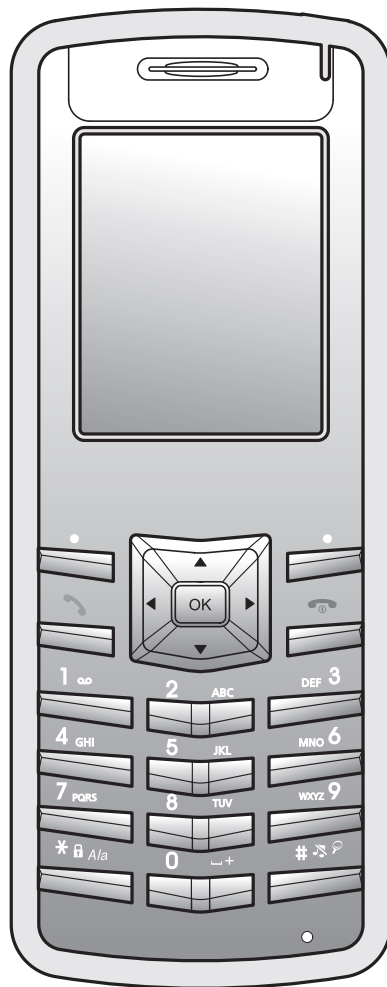
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# Description



**Red key:** Long press: Switch on/off.

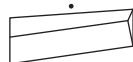
*In a call context:* Reject a call - hang up

*In menus:* Return to idle screen



**Green key:** Short press: Activate/Deactivate hands-free mode (**WARNING:** do not use the phone in hands-free mode near to your ear, or you may suffer hearing loss).

*In call context:* Call - receiving a call



**Right programmable key:** (Function available depending on model)

*In idle screen:* Access to certain functions (shortcuts)

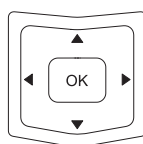
*In menus:* Access to the selection shown on screen in the tab (\*)



**Left programmable key:** (Function available depending on model)

*In idle screen:* Access to certain functions (shortcuts)

*In menus:* Access to the selection shown on screen in the tab (\*)



The navigator allows you:

- to navigate in the various functions pressing the relevant part (up, down, right, left)
- to confirm your selection pressing the central part (**OK**)

*In idle screen,* pressing the navigator displays the main menus icons

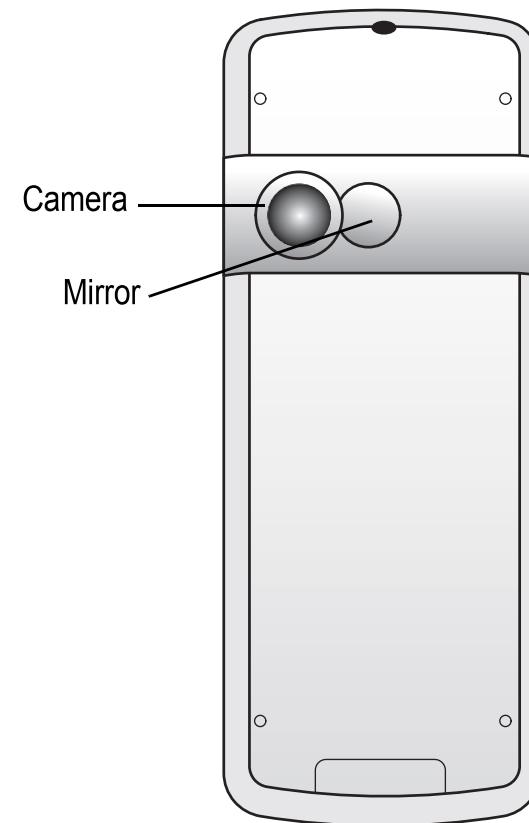
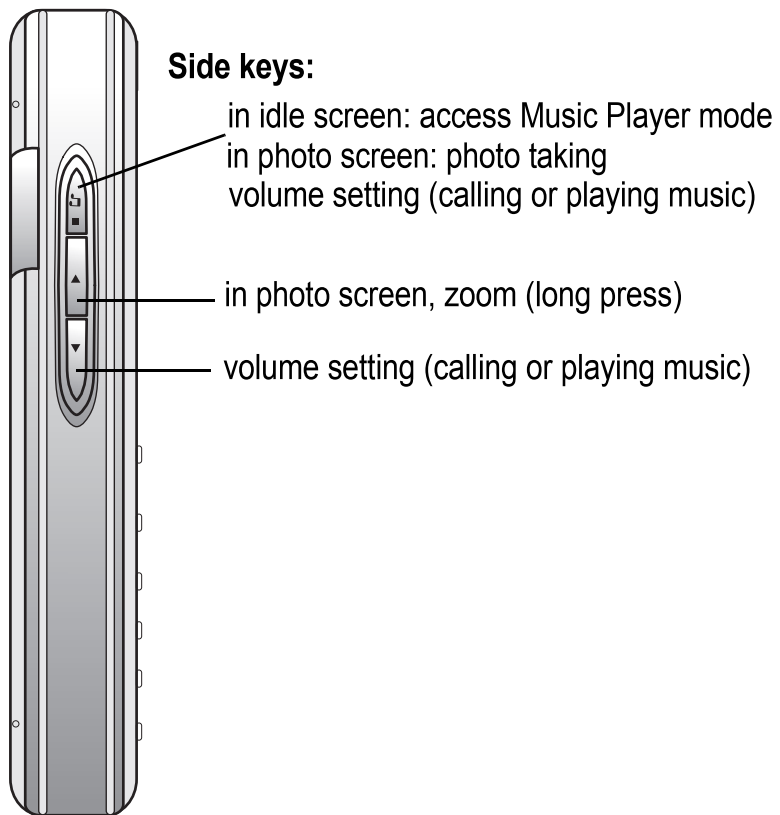
*Pressing the navigator followed by one of the nine keys of the keypad, you can display a menu directly.*

**\*** **When composing a message:** Short press: switches from one input mode to another (T9, ABC, 123). Long press: upper case/lower case

**#** Hold down: *In idle screen:* Silent mode. *In call reception mode:* Short press stops ring tone. *In ring tone setting mode:* Activate / deactivate ring tone

**2 to 9** A long press on the keys **2** to **9** directly displays the phonebook

(\*) *In this manual, when a function is chosen by pressing on this key, square brackets are used (e.g.: [Save]).*



# Installing the SIM card and the battery

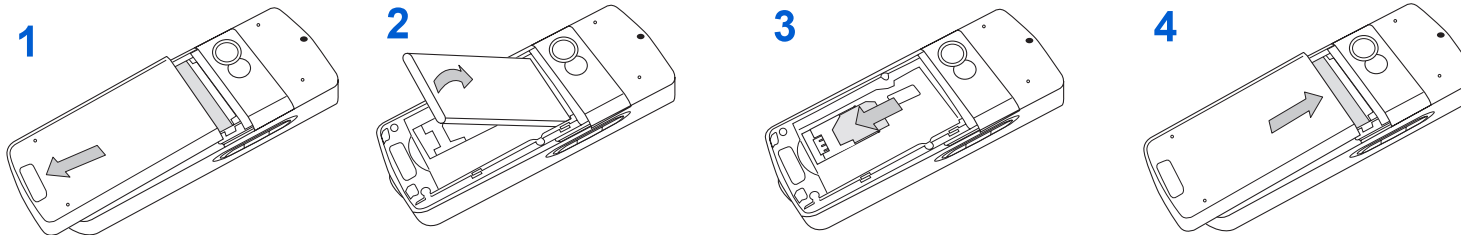
## WARNING

Depending on the model, network configuration and associated subscription cards, certain functions may not be available. Ensure that your SIM card is a 3 V SIM type that is compatible with your phone. Inserting an incompatible card will be indicated by a message when your phone is switched on. Contact your operator.

Your phone is identified by its IMEI number. Write this number down, and do not keep it with your phone, because you may be asked for it in the event of your phone being stolen, in order to prevent it from being used, even with a different SIM card. In order to display the IMEI on your phone's screen, type: \*#06#.

The SIM card is inserted under the phone's battery. Ensure that the phone is switched off and the charger disconnected.

- 1 Turn the phone back and press lock button to unblock cover. Remove the back cover by sliding it downwards.
- 2 Take out battery if already installed.
- 3 Slide the SIM card, with cut corner as shown on the phone, into the card holder with fold face down.
- 4 Place the battery by positioning first the top of it, as shown on the battery. Replace the back cover by sliding it then push the lower part into the lock position.



# Idle screen

---

The idle screen may contain the following information:

## 1 - The title bar icons:



Battery (if it flashes red, the battery must be charged immediately)



Silent mode (the ringtone is off)



Only emergency call is possible



Signal strength level (between 0 and 5 bars)



Message received (read your message), flashing: memory full (delete some messages)

## GPRS

Grey: GPRS unavailable

Black: GPRS connection

Flashing: GPRS connection on hand



WAP connection

## 2 - Date and time, in digital or analog mode

## 3 - Network provider

## 4 - Thumbnail centred on bottom line:

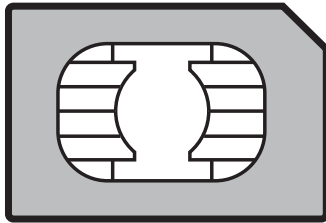
The main « Menu » thumbnail shows that the menus can be accessed by pressing the navigator. The following information may also be displayed: « 1 message received » or « 1 call » (incoming call failed).

It can be deleted by pressing  briefly.

# Quick start

---

## Information on the SIM card



To use your phone, you need a card called SIM card. It contains personal information that you can modify:

Secret codes (PIN(s): Personal Identification Numbers), these codes allow you to protect access to your SIM card and phone

Phonebook

Messages

How special services work.

Your phone is compatible with the SIM 3V cards.

### **WARNING**

This card must be handled and stored with care in order not to be damaged. If you should lose your SIM card, contact your network provider immediately.

Please keep your SIM card out of reach of young children.

## Getting started

When you switch on your phone for the first time, follow instructions displayed on the screen.

If access to the SIM card is protected, the device prompts you to enter the PIN number:

Enter the code between 4 and 8 digits given to you when the SIM card was issued. These digits do not appear on the screen for security reasons.

After pressing **[OK]**, the phone activates the SIM card settings and switches on again ; enter your PIN code again then the date and time, make your choice for the following settings: time zone, daylight savings, skin, wallpaper, screensaver, ring tone, volume, vibrate and voicemail number.

If there are contacts saved in your SIM card, you are invited, if you wish, to copy them in the phone contacts memory.

### Warning

If a wrong PIN number is entered three times in succession, your SIM card is blocked. You must then:

- Enter the PUK (Personal Unblocking Key) code provided by your operator, and validate.
- Enter your PIN number and validate.
- Enter your PIN number again and validate.

After 5 or 10 failed attempts (depending on the type of SIM card), the SIM card is definitely locked. You must then contact your operator to obtain a new card.

## Switching ON/OFF

When your phone is off, a short press on  will turn it ON.

When the phone is ON, if you are browsing inside the menus, a short press on  will come back to the idle screen. When you are in the idle screen, a long press on  will switch OFF the phone.

## Network

From now on the phone hunts for a network on which it can make calls. If it finds one, it displays the name of the network on the screen. You are then ready to send or receive a call.

If the network's name appears, calls are possible on your operator's network.

If the letter R and a network name are displayed, calls are possible on a roaming network provider.

If the letter E is displayed without any network name, only the emergency services are accessible (ambulance, police, fire brigade).

If the network icon flashes, the phone is in permanent search mode. There is no network available. The signal strength indicator received allows you to display the quality of reception. If it indicates less than three bars, search for better reception in order to call in good conditions.

## First call

Dial the number you want to ring.

Press .

During the call, the call in progress icon flashes on screen and tones may indicate the establishment of the call.

While a call is connecting, the phone icon is flashing.

You can adjust the sound level (volume) using the navigator upwards or downwards.

At the end of the conversation press  to hang up.

### International call

Press 0 (hold down) to display « + », then dial the country code without waiting for the dial tone, then the number of the called party.

### Emergency services

Depending on the network you can obtain the emergency service with or without SIM card or when the keypad is locked. It is enough to be in an area served by a network.

To obtain the international emergency service, dial **112** then press .

## Receiving a call

When you receive a call, the number of your caller is displayed when it is presented by the network.

Press  to answer, and speak.

To refuse the call, press .

To stop the ring tone or the vibrate, without refusing the call, press #.

### Hands-free mode

To change to hands-free mode during a call, make a short press on the  key then press [Yes] to confirm activation of the amplified mode.

**WARNING:** in this mode do not bring the phone up to your ear.

*All the numbers corresponding to incoming and outgoing calls are logged in the list of recent calls.*

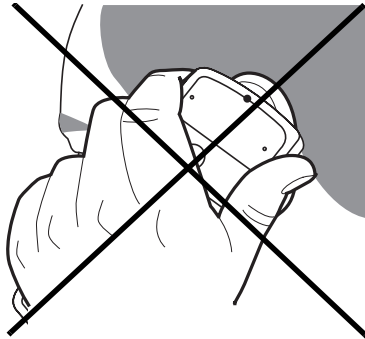
When on a call, pressing [Options] allows you to have access to different functions: switching to hands-free mode, switching to mute mode, displaying menus, displaying the phonebook.

Pressing [Mute ON] allows you to switch off the microphone temporarily when you want that your correspondent does not listen.

# Using your phone

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## Improving antenna performance



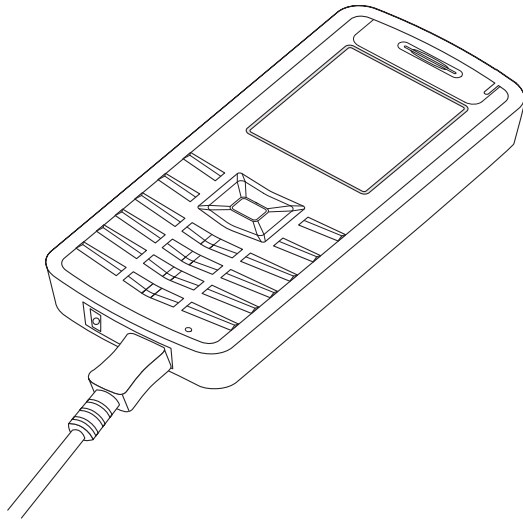
The antenna is integrated in your phone, under the back cover at the top. Avoid putting your fingers on this area when the phone is switched ON. If your fingers obstruct the antenna, the phone may have to operate with a higher power level than usual; decreasing its efficiency quickly. It could also affect the quality of your communications.



## Increase the battery life of your phone

- Don't press the keys when not necessary: each keypress activates the backlight, and uses much power.
- Don't obstruct the antenna with your fingers.

## Charging the battery



Your phone is powered by a rechargeable battery. A new battery must be charged for 4 hours at least before being used for the first time. It reaches its optimum capacity after a few cycles of use.

When your battery has been discharged, the empty battery icon flashes. In this case recharge your battery for at least 15 minutes before making any calls in order not to be cut off quickly.

### To recharge the battery:

Connect the charger to a socket.

Plug the end of the cable into the bottom connector of the phone.

The phone is then charging up. The battery icon scrolls up and down to indicate that it is charging. When the battery is fully charged, the charging stops on its own. Disconnect the cable.

When charging, the battery may warm up, this is normal.

### WARNING

There is danger of explosion if the battery is placed in an incorrectly way or if it is exposed to fire.

Do not short circuit it.

The battery does not have any part that you can change.

Do not try to open the battery casing.

Use only the appropriate chargers and batteries as shown in the phone manufacturer's catalogue.

The use of other types of chargers or batteries may be dangerous or invalidate the warranty.

Used batteries must be disposed of in the appropriate places.

We advise you to take the battery out if you plan not to use the phone for extended periods.

You are strongly advised not to connect your phone to the charger if it doesn't contain a battery.

The charger is a safety step-down transformer, it is forbidden to modify, alter or replace it by another component (power supply plug, etc).

If the battery has entirely discharged, the phone cannot start. Plug the phone to the charger. The phone will switch on after a few minutes of charge. You can use the phone again when the Start option is displayed on the screen.

# Phonebook



## Using the phonebook

Enter the **Phonebook** menu, the contacts list is displayed if you already get some (otherwise, go to **Storing a new contact**). When a contact is selected, an icon is displayed in the title bar:



contact stored in the SIM card



contact stored in the phone



contact stored in the Fixed Dialling. See **PIN2 number** and **Fixed dialling** in **Security** Menu for more details about this activation.

You can search for a contact quickly by typing the first letters (up to three). You can display it by pressing OK.

## Storing a new contact

- Display the **Phonebook**, select **Contacts** menu then **Add SIM contact** or **Add phone contact**.
- Enter the last name and press **OK**.
- Enter the number and press **OK**.

**Note:** you can fill other fields if you store the contact in the phone memory (email, address, ringtone, photo, etc.).

- Press [**Save**] to store it.

## Calling a contact

Several ways:

- Select a contact. Press  to start the call.
- Select a contact, press **OK**, his number is displayed, press [**Call**] to start the call.
- Direct call from the idle screen (only for the contacts stored in the SIM card memory): type the number with which the contact was saved then \* (example : 21 \*) or the number then #, the number is displayed, confirm.

# Contacts menu

## Export all

All the contact details are copied in the **Multimedia/USB key/My Contacts** directory.

## My numbers

You can create the entries corresponding to your own numbers in order to consult them when necessary. Enter the different details and validate.

## Memory

Select **SIM** or **Phone** and validate.

Phone: the screen displays the amount of memory used. The memory capacity is shared between the phonebook and various other features. If you lack memory, check if you can free some space.

SIM: available memory only for contacts.

## Delete all

This allows you to delete all the contacts stored in the phone memory.

## Download SIM card/Backup to SIM

This allows you to copy all the SIM contacts to the phone memory or all the phone contacts to the SIM card.

## List choice

This menu allows you to select the default phonebook (SIM, Phone, SIM and Phone) displayed when the phone switches on.

## Contact options

To display the various options, select a contact and press **[Options]**.

### Modifying a contact

Modify what you want and validate then select **Save** once the modifications completed.

### Sending a message

To send a SMS or a MMS to a contact (see chapter **Messages**).

### Sending by message

To send a contact details by SMS or MMS.

### Copy to SIM/Copy to mobile

This allows you to copy the contact selected from one memory to the other. Only the name and the first phone number will be copied.

### Export

The details of the contact selected are copied in the **Multimedia/USB key/My Contacts** directory.

### Delete

This allows you to delete the contact selected.

## Mailing lists

A mailing list allows you to group contacts: this list can be used to send messages easily to all the list contacts.

- In the phonebook, select the **Mailing Lists** tab pressing the navigator rightwards.
- Press **[Options]**.
- Select **Add mailing list**.
- Enter a name and press **OK**.
- Then, on a list press **[Options]**. Select **Add contact** each time you want to add a contact in the list.

# Messages



*From this menu, you are able to send SMS and MMS. MMS is a Multimedia Message Service, which allows you to enclose photos, audio files, and others rich contents to your messages; these messages can even be composed of several slides. MMS are differently charged to SMS are. Please contact your network provider to get more information on their cost and the service availability.*

## Compose SMS

- Select **Messages/Create**.

*The language used is the one selected on the display of the phone (if the language selected is not compatible with the Easy Message T9™, the English language will be automatically selected).*

*The Easy Message T9™ mode helps you to easily write your messages.*



### Using T9 Mode

Press once the key corresponding to the letter chosen and compose the word by continuing to press the keys corresponding to the various letters without paying attention to the display: the word is highlighted.

The same sequence of keys pressed can correspond to several words, existing on the dictionary. If the word that appears is not the word you expected, press the navigator upwards to scroll through the words corresponding to this key sequence.

Once you agree on the word proposed on the screen, press the navigator rightwards to validate it or on the **0** key (which validates and inserts a space after the word), and go on writing the next word.

If the word you are expected is not proposed, please add characters until you get the message **Add a word?** Press **Yes** and validate if the word displayed suits you or modify this word before adding it in the dictionary.

If you do not want to use T9 mode, you can change of input mode (which appear at the top right of the title bar) pressing \*: the **123 mode** allows you to type numbers and the **ABC mode** allows you to type letters: press on one key several times to make the letter wanted appear (for example: press twice the **2** key to display **B**).

### Upper case

A long press on \* will display the next letter in upper case (↑ icon).

### Punctuation characters

Punctuation characters are obtained by pressing the **1** key (except in **123** mode), or with the help of **Insert** mode (fast access by briefly pressing #).

### Accented characters

Accented characters are generated automatically in T9 mode.

In ABC mode accented characters are available by pressing the key supporting the non-accented character repeatedly.

## Saving the message

- Select **Save** if you do not want send the message immediately or if you want to send it several times.
- Select where you want to save it (SIM card or phone). It is saved in the **Drafts** menu.

## Sending the message

- Once the text entered, press **OK** or press [**Options**] and select **Send**.
- Enter the receiver's number or take it in your phonebook pressing [**Options**] then selecting **Contacts**.

You also can select a contacts list in your phonebook.

- Select **Send**.

**Note:** if the message type (SMS or MMS) has not been selected when composing the message, the phone prompts for a confirmation.

You can use an email address if the message is a MMS.

## Receiving messages

When you receive a message, the phone plays the ring tone that you selected, and a message icon comes on the screen of your phone.

If you do not read the messages, this icon remains displayed on the screen. When it flashes, the memory is full.

Receiving icons, backgrounds or tunes can take several seconds. An icon is flashing when the download of your message is in progress.

Note that you have two different possibilities for receiving MMS: automatically or manually; if « manual mode » is activated, then you will receive only a notification in your Inbox, meaning that a MMS is available on the MMS Server; select Retrieve in the options when you want to retrieve the MMS from the network.

For more details about automatic and retrieval modes, see « Options » on page 20.

Please contact your network provider to get more information on icons, backgrounds or tunes downloading.

Received messages are stored in the SIM card or in the phone until you choose to delete them.

# Messages menu

## Inbox

Messages are listed in chronological order, the latest one being displayed first.

The quantity of Not Read and Not Retrieved messages is shown. Not Retrieved and Not Read messages are shown in bold.

## Outbox

This menu displays the messages that have not been sent. You can therefore send them again.

## Sentbox

The **Sentbox** menu is used to store all your sent messages if you activated the option **Store sent messages** in the **Options** menu (see page 20).

Too many messages saved will quickly fill up the available memory and no further messages will be received.

For each message, its characteristics (shown with an icon) and the time (or date) of sending are displayed on the screen.

Select a message and press **OK**.

Choose one of the options given: Read, Modify, Forward, Delete, Delete all.

## Drafts

When you store a composed message, it is stored among the drafts.

Select a message and press [**Options**]. The options are: Delete, Read, Modify, Details.

If you select a message and press **OK**, you can modify it.

If you want to send it, select **Modify** then press [**Options**] and select **Send**.

## Options

Choose one of the options given: SMS or MMS.

The SMS sending options are: store sent messages, acknowledgment, period of validity (during that period, the network provider will try to send the message), message format, msg centre n°.

The MMS options are:

- **Store sent message:** it is highly recommended that you keep this function deactivated, in order to avoid a full memory.
- **Retrieval mode:** if you are in a poor coverage area, it may be more convenient to choose the manual retrieval mode which gives you the retrieve later option.
- **Priority:** selection of a priority to send a message.
- **Request delivery report:** request of a delivery report when sending a message.
- **Period of validity:** during that period, the network provider will try to send the message.

## Advanced settings

- **Send delivery report:** sending a delivery report when receiving a message.
- **MMS ignore:** if you want to deactivate the reception of any MMS in your phone.
- **MMS server:** to select another MMS provider, or set the parameters of a new MMS provider.
- **Display Bcc:** if you want to activate/deactivate this display.
- **Sender visibility:** you choose to display or not your phone number on the receiver's phone screen, with that message.
- **Maximum size:** if you want to activate/deactivate the option of maximum size supported for the MMS.

## Memory

You may know the memory available for saving messages.

Choose one of the options given: SMS or MMS.

The SMS screen displays the memory available either on the SIM card or on the phone.

The MMS screen displays how much memory is used in Kbytes.

## Local information

This menu is used to activate reception of information broadcast by the network.

You can choose whether you want to receive this information or not (please contact your network provider).

## Call Voice Mail

This function allows you to call your voicemail.

This number depends on the operator.

## Group

This menu displays the mailing lists created in the phonebook.

To display the different options, press **[Options]**.

- **Send message**: allows you to compose and send a message to the contacts of the mailing list.
- **Add mailing list**: allows you to create a new mailing list.
- **Modify name**: allows you to modify the mailing list name.
- **Add contact**: allows you to add a contact to the mailing list.
- **Properties**: allows you to see the type of mailing list and the number of contacts.
- **Delete**: allows you to delete the mailing list.

# Camera



*This menu allows you to take photos and use them for different purposes. For instance, you can send them to another phone or an Internet address, store them, use them as wallpapers or screen savers.*

## Taking and saving a photo

### Settings before taking a photo

#### Zoom:

To activate zoom, use the navigator upwards or downwards.

**Note:** if the zoom selected does not match with the storing format, the photo is automatically saved in an appropriate format

#### Other settings (pressing **[Options]**):

- **Activate timer:** to take a photo with a 5, 10 or 15 second time delay.
- **Effects:** to select an effect.
- **Exposure:** to select luminosity.
- **Click sound:** to select the sound you will hear when taking a photo.
- **Photo quality:** to select the photo quality.
- **Photo format:** to select the format in which your photo will be saved

### Taking a photo

- Select the **Camera** menu. The camera is now on. Look into your phone display and position your subject. Move your phone to position your photo.
- Press **OK** or the side key, the photo is taken and stays on the phone display.

**Warning:** if you press **[Back]**, you will go back to the previous screen and lose the photo you have just taken.

- Press the navigator if you want to send the photo immediately by MMS.
- Press **Save** to save your photo, a progress bar animates then different options are displayed:
  - **Send by message:** allows you to send the photo by MMS.
  - **New...:** allows you to take a new photo.
  - **Rename:** allows you to modify the name of a photo.
  - **Add to contact:** allows you to assign a photo to a contact saved in the phonebook.
  - **Use as:** allows you to select the photo as a wallpaper or screensaver.

If there is not enough memory to save the photo, a warning message appears, prompting you to confirm whether you want to go on.

Once taken, the photo has a number and is saved in **Multimedia/USB key/My Pictures**.

**Note:** using the camera during a call may disturb the call quality.



## Customization

This directory contains the pictures and the ring tones already preloaded in the phone.

### Pictures

To display a picture:

- Select the **Pictures** directory, press **OK**, select a picture and press **OK**.

or

- Select the **Pictures** directory, select [**Options**], **Select**, select a picture and press **OK**.

To display others, press the navigator upwards or downwards.

To display the different options, press [**Options**].

- **View**: allows you to display the picture selected.
- **Add to contact**: allows you to assign a picture to a contact saved in the phonebook.
- **Use as**: allows you to use the picture as a wallpaper or screen saver.
- **New photo**: allows you to take a new photo.
- **Details**: properties of the picture selected.
- **Memory**: the amount of memory used by the various functions of the phone is displayed.

### Sounds

To listen to a ring tone:

- Select the **Sounds** directory, press **OK**, select a ring tone and press **OK**.

or

- Select the **Sounds** directory, select [**Options**], **Select**, select a ring tone and press **OK**.

To listen to others, press the navigator upwards or downwards.

To display the different options, press [**Options**].

- **Listen**: allows you to listen to the ring tone selected.
- **Add to contact**: allows you to assign a ring tone to a contact saved in the phonebook.
- **Ring tone**: allows you to select to which type of call the ring tone will be assigned.
- **New Sound**: allows you to record a new sound.
- **Details**: properties of the ring tone selected.
- **Memory**: the amount of memory used by the various functions of the phone is displayed.

## USB key

This directory contains all the multimedia objects downloaded and the contact details copied from the phonebook.

### Downloading new multimedia objects

Pressing **OK** after having selected **More Pictures** or **More Sounds** allows you to connect to the WAP service to download new pictures or ring tones.

Pressing [**Options**] displays the following options:

- **New folder**: allows you to create a directory in which you can store the objects downloaded or those already stored in the phone.
- **Format**: this option delete all the multimedia objects stored in **USB key**.
- **Delete all files**: this option delete all the multimedia objects stored in **USB key**.
- **Memory**: displays the memory used and available for the multimedia objects.

Pressing [**Options**] on a directory displays the following options:

- **Browse**: allows you to display the directory contents.
- **Rename**: allows you to modify the directory name.
- **New folder**: allows you to create a directory in which you can store the objects downloaded or those already stored in the phone.
- **Format**: this option delete all the multimedia objects stored in **USB key**.
- **Delete all files**: this option delete all the multimedia objects stored in **USB key**.
- **Memory**: displays the memory used and available for the multimedia objects.

### Connecting the phone to a computer

If you want to exchange objects between the phone's memory and a computer, you simply need to connect the phone to the computer with a USB cable. A removable disc appears in the Windows Explorer tree structure; you may copy/and paste into it.

**Note:** If a call comes in during an exchange of data with your computer, the link will be interrupted and will have to be manually re-started.

# Music player

---



This menu allows you to listen to musics in a contiuous way like a portable music player.

If you do not have any music in memory, use WAP to download some or connect your phone to a computer (see chapter **Multimedia**).

Two tabs are displayed:

- **Player**: allows you to listen to musics.
- **Library**: displays the directory of the musics contained in the phone.

## Creating a playlist

- Select [**Options**] in the **Library** tab.
- Select **Create playlist**.
- Type a name for your playlist and press **OK**.
- The list of the musics is displayed.
- Select the music you want in your playlist and press **OK** to add the music to the playlist ; do it again if you want add others or select **Playlist: Add all** to add them all to the playlist.

When pressing [**Options**] on a playlist, you can display or play the contents, add musics, create a new playlist, delete one or modify its name. You can play a playlist selected by pressing **OK**.

## Playing your music

**Player** tab: This tab opens as soon as a music or a list of musics, has been selected to be played.

To display the different options, press [**Options**]:

- **Play**: to play musics of the playlist.
- **Remove from list**: to remove the music selected from the playlist.
- **Clear list**: to remove all the musics from the playlist
- **Shuffle**: to play the musics in a random way.
- **Play options**: to play the musics one by one or in a continuous way.
- **Add to Playlist**: to set a new playlist.
- **Priority to**: to give priority to phone (in case of incoming call) or to playing music.
- **Note**: music is in pause in case of incoming call, it automatically resumes at the end of the call.
- **Details**: properties of the music selected.



*WAP (Wireless Application Protocol): a protocol that translates the Internet language into WML and HTML languages that can be read by a phone. The WAP function allows you to log onto certain Internet sites. You can log onto sites that allow you to download ringtones, icons, animated screensavers, Java™ applications, to your phone.*

## The WAP Menu

The WAP navigator is under licence:



RSA Data Security



The WAP navigator and the softwares included are the exclusive property of Openwave. For this reason, it is forbidden to modify, translate, disassemble or even decompile all or part of these softwares.

**Go to URL:** this menu allows you to input an Internet address directly.

**Bookmarks:** allows to store bookmarks (addresses of Internet sites).

A bookmark stored in the list can be modified, sent or deleted.

You can receive bookmarks and add them to this list.

**History:** backward and forward navigation of the pages displayed are kept in memory.

**Browser settings:**

- **Profiles:** allows you to select or modify your provider's configuration settings or to configure others providers' settings.
- **Connection time out:** is used to choose the time after which the call is automatically disconnected if you have forgotten to log off from a service.

**Note:** see chapter **Idle screen** for information on @ and GPRS icons.

## WAP Logging on

The connection to a WAP service on the GPRS network is not cut if an incoming call is received. You can answer the call. If you are logging onto the GSM or GPRS network, the @ symbol flashes, the metering of the cost of the call starts as soon as it stops flashing.

## Downloading objects

Some WAP sites allow you to download ringtones, icons, animated screensavers, games or JAVA™ applications. Once downloaded, they are stored in your phone's memory. You can then save them in your phone (same operation as used for downloading using messages).

## WAP Logging off

To log off, press . The logoff happens automatically after a few seconds of inactivity if you forget to log off. This period is defined by the linger time setting.

## GPRS

A flashing icon indicates that the phone is logging onto a GPRS network.

A non-flashing icon indicates that the GPRS network is available; if the icon is dark, it indicates that the phone is logged onto the GPRS network.

This icon is not displayed if the GPRS network is not available or if the SIM card inserted in your phone does not include the GPRS service. It may also disappear when accessing WAP services if the connection uses the GSM network instead of the GPRS network.



Your SAGEM mobile phone gives you the ability to download applications and games to be executed on your phone thanks to the built-in Java™ engine. By default, your phone contains one or several games, depending on model.

Warning: receiving applications from everywhere implies some basic knowledge of the possible effects of such download.

We advise you to download certified games or applications from your operator sites or from [www.planetsagem.com](http://www.planetsagem.com).

By default, the connection URL of your operator or of PlanetSagem is configured in your phone.

If no connection URL is configured, by selecting the **More games** menu, you display the WAP function to configure new profiles which allow you to download games or applications.

When you select a game or an application, the **General Settings/Connection** menu (displayed with [**Options**] key) allows you to configure a profile which only be used by the game or application to connect to the network (to exchange scores for example) but is not used to download new games or applications.

# Applications

---



## Alarm

This menu allows you to set and activate the alarm.  
*The alarm works even when the phone is switched off.*

## Applications

(See chapter **Games**).

## Timer

This menu is used to set and activate the timer.  
 *The alarm icon appears on the idle screen.*

## Calculator

This menu allows you to use your phone as a calculator.  
Use the following keys to make calculations:  
Upwards: Add, downwards: Subtract, rightwards: Multiply, leftwards: Divide  
The following keys are used for:  
 : Equals or convert  : Delete  
\* **#**: Decimal point.  
*If no calculations are being run, pressing [**Convert**] allows you to use the value in the **converter** directly.*

## Converter

This menu allows you to convert one currency to another.

Enter a value and press the navigator upwards to convert from one currency to another, or downwards to convert back.

Pressing [**Options**] allows you to use the following options:

### Rapid exchange

If the Rapid exchange is activated, the converter will work in the idle screen by entering the desired numbers and pressing **OK** to convert.

### Exchange rate

Enter the exchange rate corresponding to the chosen currency.

### Currency

Enter the two types of currency to be converted.

### Go to calculator

This option allows you to use immediately the value converted in the **calculator**.

## ToDo

*This menu allows you to add ToDo's, access category-based Todo management and delete all the ToDo's.*

If there are not any ToDo, you directly access to the options below.

If there is a ToDo, press [**Options**] to display the options.

- **Add written ToDo/Add vocal ToDo**: allows you to add ToDo of the text or voice type. Fill in the different items. Save the ToDo.
- **Categories**: allows you to see the different ToDo categories, assign a specific ring tone to each individual ToDo, know the number of ToDo's in each category and see them.
- **Delete all**: allows you to delete all the ToDo's from your ToDo.
- **Memory**: allows you to view the memory used by the different functions of your ToDo.

### Available actions on any ToDo:

- To display a ToDo, select it in the list and press **OK**.
- To display the different options, press [**Options**].
  - **Modify ToDo**: allows you to modify the ToDo properties.
  - **Delete**: allows you to delete the ToDo.
  - **Send by message**: allows you to send the ToDo by message.

## Organizer

*This menu gives you access to your diary and get to a day, week, month or specific date. It lets you add events, access the global actions for all the events and manage them by event category.*

### Calendar menu

*This menu lets you add events, manage events by category, see the available memory and delete all the events.*

- **Add Written Event/Add Vocal Event:** allows you to add events of the text or voice type. Fill in the different items. Save the event.
- **Delete:** allows you to schedule the deletion of events that took place more than one day, week or month ago.
- **Memory:** allows you to view the memory capacity used by the different functions of your diary.
- **Delete all:** allows you to delete all the events from your diary.
- **Categories:** allows you to see the different event categories, assign a specific ring tone to each individual category, know the number of events in each category and see them.

The other menus are:

- **See month:** allows you to access events on a month-by-month basis.
- **See week:** allows you to access events on a week-by-week basis.
- **See today:** allows you to access the events for the current day and the actions possible on any event (see, modify, delete and send).
- **See date:** allows you to access events at a specific date.

## Services

The contents of this menu directly depends on your SIM card. Depending on the SIM cards, this item may not be present in your phone's menu.

# Settings

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## Phone

### Silent mode

This menu allows you to switch to Silent mode.

Silent mode can also be accessed via the idle screen by holding down the **#** key.

 When the phone is in silent mode, this relevant icon appears on the idle screen.

In this mode, the ring tone will not function, except for the alarm clock.

**Note:** if you have activated the silent mode, it does not remain after switching off your phone.

### Ring tones

This menu allows you to allocate a ring tone to different functions (call receiving, message receiving, alarm).

### Vibrate

This menu allows you to activate the vibrate mode for calls.

### Languages

This menu allows you to choose your phone's display language.

Select your language and validate.

If you select **Automatic**, the language used will be the one relative to your SIM card.

### Beeps

This menu allows you to activate a beep for the battery, the keypad or the network.

## Date/Time

### Set Date/Time

This menu allows you to set the date and time of your phone.

### Automatic update

This menu allows you to choose manual or automatic updating of date and time (after switch off of your phone or when going abroad for instance) (service depending on the operator).

Please select Automatic, Manual or On demand and press **[Select]**.

### Time zone

This menu allows you to change time in relation to the GMT time.

Choose the time of the country desired by calculating the time from the GMT time.

### Daylight savings

This menu allows you to set your phone to the summer/winter time.

Select 1 h, 2 h **Summer time** or **Winter time** depending on the season, and validate.

## Display

This menu allows you to customize your screen by choosing a different presentation.

### Wallpaper

This menu allows you to display the background picture you want on your phone.

- No wallpaper: select **None**.
- Several wallpapers in a random way: select **Random**.
- A specific wallpaper: select **Multimedia**:
  - Press **[Select]** on the wallpaper name, the wallpaper is selected.
  - or
  - Press **OK**: the picture is displayed. Press **[Select]** to select it as your phone wallpaper or press the navigator upwards or downwards to display others.

### Skins

This menu allows you to select the background picture when displaying menus.

## Screensaver

This menu allows you to display an animation when the phone is in standby mode.

- No screensaver: select **Normal screen**.
- Several screensavers in a random way: select **Slide Show**.
- A specific screensaver: select **Multimedia**:
  - Press **[Select]** on the screensaver name, the screensaver is selected; or
  - Press **OK**: the picture is displayed. Press **[Select]** to select it as your phone screensaver or press the navigator upwards or downwards to display others.

## Operator logo

This menu allows you to display your operator's logo on the idle screen.

On the menu, please select the menu and **[Select]**.

Select **Activate** or **Deactivate** and press **[OK]**.

## Energy saving

### Economic mode

You can select one of the following eco modes:

- **Complete**: the screen is off. Press **OK**, the red or green key to turn on the backlight and see the time. Press \* **OK** to light up the screen and enter the menus. This mode gives the maximum efficiency of the battery life.
- **Partial**: the screen is off. Press the red key to light up the screen and enter the menus.
- **Unlocked keyboard**: the keypad is always active, meaning that when you press any key, it allows you to light up the screen and enter the menus. This mode decreases the battery life.

### Backlight

- **Screen only**: only the screen is lit up.
- **Full backlight**: both the screen and the keypad are lit up.

**Note:** in any case, after a certain time of inactivity, the backlight will be automatically turned off to save battery life.

## Contacts

This menu allows you to select the way to sort contacts in the phonebook (by name or first name) and the filter applied on the contacts list display (SIM contacts, phone memory or both).

## Calls

The Calls menu allows you to manage all the calls functions (call forward, displaying numbers, call waiting, voicemail number, etc.).

### Call forward

Depending on your subscription, this service allows you to forward incoming calls to a different number or to the voice mailbox. Choose the type of forwarding you want from the options available.

### View last calls

This menu allows you to access the list of last numbers used.

Fast access to the list of calls from the idle screen: press  .

### Counters

This menu allows you to consult the duration of the up calls.

It can also be used to check the volume of data exchanged in GPRS.

### Display number

This menu allows you to modify the status of the display number function.

Select one of the options given: Anonymous mode, My number, Callers' number.

#### Anonymous mode

You have the ability to mask your number on the phone of the person you are calling.

- **Preset:** network default mode.
- **No:** you choose not to activate anonymous mode and then to display your number.
- **Yes:** you choose to active anonymous mode and then not to display your number.

### Call waiting

(Operator-dependent service)

During a call, you may be informed that a caller is trying to reach you: you hear a special tone. The caller's identity is displayed on the screen (name or number).

You can **activate**, **deactivate**, or **status** of the call waiting service in order to check if it is active or not.

During a call, if a second caller tries to contact you, the screen displays the call warning.

## Auto redial

This menu allows you to call back a caller you have not managed to reach.

You can set the redial function to inactive, on request or systematic.

If you choose **On demand**, your phone will offer to redial your caller automatically if his number is busy.

## Blacklist

The blacklist is used to limit failures on automatic calls (calls generated by the automatic redial function or by applications: data, fax for example).

When several automatic calls failed with a number (number busy or unknown), this number is put in the blacklist and no automatic call will be done with this number any more until you delete it from the blacklist.

**Note:** this function does not apply to the calls performed manually.

## Voicemail

This function is used to record your voicemail access number.

This number will be used during a call to the voice mailbox using the programmable keys.

Enter your answer phone number and validate.

## ALS

The ALS (Alternate Line Service) function allows you, depending on your subscription, to have two phone lines. The number of the line selected (1 or 2) for the calls appears on the idle screen.

## Networks

This menu allows you to configure network preferences.

Choose **Selection** to activate (automatically or manually) one of the networks accessible in the area in which you are located.

Choose **Preferred** to view all the pre-registered networks.

Choose **Network type** to select your network.

Choose **GPRS** to select the way you want to be attached on the GPRS network: always, or only when needed (when launching a data connection).

## Security

This menu allows you to configure your phone's security settings.

### PIN number

This menu allows you to activate and modify your phone's PIN.

To modify the PIN, select **Modify PIN code** and [Select].

Enter old PIN and validate.

Enter new PIN twice and validate.

To activate or deactivate the PIN, select the **Control PIN** menu and [Select].

Enter PIN and validate.

Select **Activate** or **Deactivate** and validate.

### PIN2 number

You have a second PIN number to allow you to access certain functions\*.

\* These functions may or may not be available depending on your SIM card.

Proceed as above in order to activate, deactivate or modify PIN number 2 of your phone.

### Phone code

The Phone code menu allows you to activate the phone code so that it is requested and checked whenever the phone is switched on if a different SIM card is used. This code is automatically linked to the SIM card installed when the phone is activated, for example to protect the phone if stolen.

Select **Check** and [Select].

Enter 0000 (the factory code, by default) and validate.

Select **Activate** or **Deactivate** and validate.

To modify the phone code, select **Modify** and validate.

Enter old phone code and validate.

Enter new phone code and validate.

Enter phone code again to confirm it and validate.

## Confidentiality

This menu allows the activation or deactivation of automatic deletion, after power off/on, of outgoing calls, messages stored or organizer events.

Select **Activate** or **Deactivate** and validate.

## Operator

This menu allows you to modify the call barring.

Access to this service depends on your type of subscription.

## Call barring

This menu allows you to block the sending or receiving of certain calls.

Before you can use this service, a password will be provided by your operator when you take out your subscription.

Access to this service depends on your subscription type.

To activate call barring :

- Select incoming or outgoing calls.
- Select the call type on which you want to activate call barring.
- Select:
  - either All,
  - or If roaming, if you are away from your home country and if roaming is available, only incoming calls will be blocked.
- Select Activation and enter password.

## Fixed dialling

This menu allows you to restrict the outgoing calls.

The availability of this menu depends on your SIM.

Enter PIN2 number and validate.

Select **Activate** or **Deactivate** and validate.

Proceed as for any other phonebook.

When activating this function, only the numbers stored in the phonebook can be called.

This phonebook is linked to the SIM card, and its size depends on the card's capacity.

## Cost

This menu allows you to control the cost of your calls (\*). (Operator-dependent service).

The **Cost** menu (\*) lets you check the cost of the last call you made and of all the calls you made since you last deleted them.

The **Delete costs** menu (\*) lets you delete the cost of your last call and reset the cost counter after entering your PIN 2 code.

### (\*) WARNING

Depending on how the networks and associated subscription cards are configured, some functions may be unavailable (these are marked out with \*).

## Player

**Player Priority:** to give priority to phone (in case of incoming call) or to playing music.

**Play options:** to play the musics one by one or in a continuous way.

## Browser settings

This menu allows you to set various parameters needed for WAP connection (see chapter **WAP**).

## Camera

This menu allows you to set the camera features of your phone.

- **Timer:** this menu enables you to take a photo with a 5, 10 or 15 second time delay.
- **Click sound:** This menu allows you to select the sound you will hear when taking a photo.
- **Photo format:** This menu allows you to choose the format in which your photo will be saved.
- **Photo quality:** This menu allows you to select the photo quality.

## Shortcuts

This menu allows you to customize the settings of your phone to make it as convenient as possible for you to use.

(Function available depending on model)

This menu allows you to allocate functions to the programmable keys: .

Select the key that you wish to modify and validate.

Choose the function that you want to allocate to this key and validate.

## USB key

This option delete all the multimedia objects stored in **Multimedia/USB key**.

## Keys checking

When activating this choice, you will be warned when a using right of a multimedia object (ringtone or wallpaper for instance) will soon expire.

## Connectivity

### Serial speed

This menu enables you to select the speed to be used for data exchanges via your phone's serial port. Except for specific requirements, it is advisable to stick to the default setting: **Automatic**.

### Car kit or headset

This menu allows you to configure the options of the phone with a pedestrian kit or a car kit (Automatic response, Switch off, Kit volume).

### USB mode

This menu allows you to select a mode to connect the phone to a peripheral with the USB cable available as an accessory.

**Modem:** to exchange data between the phone and a PC.

**USB key:** to exchange data between the phone and a PC.

**At Plugging-in:** if you select this option, when connecting a USB cable, the phone asks you to select the mode you want.

## Help

This menu allows you to activate or deactivate the display of the help in the phone.

# Technical features

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Weight: 90 g

Size: 105 x 46 x 15.5 mm

Original battery: Li-ion 830 mAh

Battery life calls/standby: up to 4 h/350 h (these values are theoretical ones and given for information only)

Multimedia objects supported:

- Audio formats: iMelody, Midi, wav, MP3, AMR
- Graphic formats: bmp, png, gif, gif animés, jpeg

Size of memory available for messages: 100 SMS

Size of memory available for the phonebook: up to 950 kB

Size of memory available for the multimedia objects: 64 Mb

Maximum size of each message:

- SMS: < 160 characters
- MMS: < 100 kB for outgoing messagezs, 300 kB for incoming messages (depends on the phone configuration and on the operator reservations)

Using temperature: from - 10 °C to + 55 °C

# CE Conformance Document

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## Déclaration CE de Conformité

**Fabricant**  
*Manufacturer*

**Sagem Communication**

**Adresse**  
*Address*

**Le Ponant de Paris**  
27 rue Leblanc - 75512 Paris cedex 15 - FRANCE

Déclare sous sa responsabilité que le produit  
*Declares under our sole responsibility that our product*

**Nom du produit**  
*Product Name*

Triple Band GSM/DCS/PCS - D2005S (my405X)

est conforme aux exigences des directives européennes suivantes :  
*conforms to the requirements of the following EEC directives:*

### EEC Directive 1999/5/CE

**Sécurité (Safety)**

**EN 60950**

**CEM (EMC)**

**EN 301 489-1**  
**EN 301 489-7**

**Réseau (Network)**

**3GPP TS 51.010-1 v 7.0.0 avec GCF-CC v 3.20.1 inclus**  
*(3GPP TS 51.010-1 v 7.0.0 selected with GCF-CC v 3.20.1 included)*  
**EN 301 511 V9.0.2**

**Santé (Health)**

**EN 50360, EN 50361**

Lieu et date  
*(Place and date of issue)*

Cergy St Christophe - April 19<sup>th</sup>, 2006

Signature



# Care and safety information

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## SAR

### THIS MODEL MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

The guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile devices is 2 W/kg and the highest SAR value for this device when tested at the ear was 1.13 W/kg (\*). As mobile devices offer a range of functions, they can be used in other positions, such as on the body as described in this user guide (\*\*).

As SAR is measured utilizing the devices highest transmitting power the actual SAR of this device while operating is typically below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum level required to reach the network.

The World Health Organization has stated that present scientific information does not indicate the need for any special precautions for the use of mobile devices. They note that if you want to reduce your exposure then you can do so by limiting the length of calls or using a 'hands-free' device to keep the mobile phone away from the head and body. Additional Information can be found on the websites of the World Health Organization (<http://www.who.int/emf>).

## Advice for limiting exposure to radiofrequency (RF) fields

For individuals concerned about limiting their exposure to RF fields, the World Health Organization (WHO) provides the following advice:

Precautionary measures: Present scientific information does not indicate the need for any special precautions for the use of mobile phones. If individuals are concerned, they might choose to limit their own or their children's' RF exposure by limiting the length of calls, or using "hands-free" devices to keep mobile phones away from the head and body.

Further information on this subject can be obtained from the WHO home page <http://www.who.int/peh-emf> WHO Fact sheet 193: June 2000.

(\*) *The tests are carried out in accordance with international guidelines for testing.*

(\*\*) *Please see the **Distance of operation** section about body worn operation, page 45.*

## Safety

Never attempt to disassemble your phone. You alone are responsible for how you use your phone and any consequences of its use.

As a general rule, always switch off your phone wherever the use of a phone is prohibited.

Use of your phone is subject to safety measures designed to protect users and their environment.

Do not use your phone in damp areas (bathroom, swimming pool...). Protect it from liquids and other moisture.

Do not expose your phone to extreme temperatures lower than - 10°C and higher than + 55°C.

The physicochemical processes created by chargers impose temperature limits when charging the battery. Your phone automatically protects the batteries in extreme temperatures.

Do not leave your phone within the reach of small children (certain removable parts may be accidentally ingested).

### Electrical safety

Only use the chargers listed in the manufacturer's catalogue. Using any other charger may be dangerous; it would also invalidate your warranty. Line voltage must be exactly the one indicated on the charger's serial plate.

### Aircraft safety

When travelling by plane, you will need to switch your phone off when so instructed by the cabin crew or the warning signs.

Using a mobile phone may be dangerous to the operation of the aircraft and may disrupt the phone network.

Its use is illegal and you could be prosecuted or banned from using cellular networks in the future if you do not abide by these regulations.

### Explosive materials

Please comply with warning signs at petrol station asking you to switch your phone off. You will need to comply with radio equipment usage restrictions in places such as chemical plants, fuel depots and at any location where blasting operations are under way.

### Electronic equipment

To avoid the risk of demagnetisation, do not let electronic devices close to your phone for a long time.

### Electronic medical equipment

Your phone is a radio transmitter which may interfere with electronic medical equipment or implants, such as hearing aids, pacemakers, insulin pumps, etc. It is recommended that a minimum separation of 15 cm be maintained between the phone and an implant. Your doctor or the manufacturers of such equipment will be able to give you any advice you may need in this area.

### Hospitals

Always make sure that your phone is switched off in hospitals when so instructed by warning signs or by medical staff.

### Road safety

Do not use your phone when driving. In order to give your full attention to driving, stop and park safely before making a call. You must comply with any current legislation.

### Distance of operation

This phone model has been tested and meets radiofrequency exposure guidelines when used as follows:

- against the ear: place or receive a phone call and hold the phone as you would a wireline telephone,
- body worn: when transmitting, place the phone in a carry accessory that contains no metal and positions the phone a minimum of 1.5 cm from your body. Use of other accessories may not ensure compliance with radiofrequency exposure guidelines. If you do not use a body worn accessory and are not holding the phone at the ear, position the phone a minimum of 1.5 cm from your body,
- data operation: when using a data feature, position the phone a minimum of 1.5 cm from your body for the whole duration of the data transmission.

### Accessories

We advise you the use of SAGEM brand accessories for an optimal operating of your phone and of your accessories.

## Environment

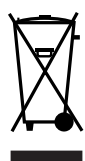
### Packaging

To facilitate the recycling of packaging materials, please obey the sorting rules instituted locally for this type of waste.

### Batteries

Spent batteries must be deposited at the designated collection points.

### The product



The crossed-out waste bin mark affixed to the product means that it belongs to the family of electrical and electronic equipment.

To promote the recycling and recovery of waste electrical and electronic equipment (WEEE) and at the same time safeguard the environment, European regulations require you to obey the sorting rules instituted locally for this type of waste.

# End User Licence Agreement (EULA), for the software

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## CONTEXT AND ACCEPTATION OF THE AGREEMENT

You have acquired a Mobile Phone device ("DEVICE"), manufactured by Sagem Communication (SAGEM), that includes software either developed by SAGEM itself or licensed third party Software suppliers ("SOFTWARE COMPANIES") to SAGEM with the rights to sub-license it to the purchaser of the device. Those installed software products whatever their company of origin, and wherever the name of the company of origin is indicated or not in the DEVICE documentation, as well as associated media, printed materials, and "online" or electronic documentation ("SOFTWARE") are protected by international intellectual property laws and treaties. The SOFTWARE is licensed, not sold. All rights reserved.

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This EULA grants you the following licence:

**DEVICE Software.** You may use the DEVICE Software as installed on the DEVICE. All or certain portions of the DEVICE Software may be inoperable if you do not have and maintain a service account with an appropriate Mobile Operator, or if the Mobile Operator's network facilities are not operating or configured to operate with the DEVICE software.

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SAGEM reserves the right to discontinue any Internet-based services provided to you or made available to you through the use of the SOFTWARE.

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#### **UPGRADES AND RECOVERY MEDIA**

- **DEVICE Software.** If the DEVICE Software is provided by SAGEM separate from the DEVICE on media such as a ROM chip, CD ROM disk(s) or via web download or other means, and is labelled "For Upgrade Purposes Only", you may install one copy of such DEVICE Software onto the DEVICE as a replacement copy for the existing DEVICE Software and use it in accordance with this EULA, including any additional EULA terms accompanying the upgrade DEVICE Software.
- **COMPANION CD.** If any Companion CD component(s) is provided by SAGEM separate from the DEVICE on CD ROM disk(s) or via web download or other means, and labelled "For Upgrade Purposes Only" , you may (i) install and use one copy of such component(s) on the computer(s) you use to exchange data with the DEVICE as a replacement copy for the existing Companion CD component(s).

#### **RESPONSIBILITIES**

**SUPPORT AND INFORMATION** Should you have any questions concerning this EULA, or if you desire to contact SAGEM ]for any other reason, please refer to the address provided in the documentation for the DEVICE.

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FOR APPLICABLE LIMITED WARRANTIES AND SPECIAL PROVISIONS PERTAINING TO YOUR PARTICULAR JURISDICTION, PLEASE REFER TO YOUR WARRANTY BOOKLET INCLUDED WITH THIS PACKAGE OR PROVIDED WITH THE SOFTWARE PRINTED MATERIALS.

When running a Java™ application, you may be prompted to grant access to protected features. These features are protected because using them could incur you cost, or involve your personal data. In case of doubt, don't hesitate to refuse access by selecting the "No" button!

The security configuration menu is an expert feature! You must know exactly what you are doing before attempting to change security parameters of a MIDlet. Misunderstanding changes may render MIDlet non functional and/or lead to higher risks for your private data or impact your airtime consumption. Any changes in the security configuration are done under your responsibility. In no case shall Sagem Communication and/or your network provider be liable for any damages deriving from or arising out of such changes in the security configuration.

You must be aware that applications downloaded to your phone could cause the phone to perform actions for which you will be billed, like making calls and sending SMS. Depending on your operator's billing policy, you may also be charged to download the application because of airtime consumption.

## Security considerations

Java™ MIDP technology is an efficient way to provide powerful applications in mobile phones.

All these MIDP 2.0 features cannot be simply exposed to any MIDlet installed in the handset: a careful access control system is implemented in the device to protect your private data and airtime consumption.

Access controls are gathered in 9 security groups:

- Network access
- Auto invocation
- Phone call
- Local connectivity
- Messaging receive
- Messaging sending
- Read User data
- Write User data
- Multimedia recording

Each of these security groups has one among 5 possible authorizations levels (listed from the more restrictive to the more permissive):

- Never: The security group completely prevents access to the protected features.
- Per use: Each time MIDlet tries to use protected feature, user is prompted to grant access.
- Per session: First time a MIDlet uses a protected function, user is prompted to grant access like in "Per use" authorization but access is granted until the MIDlet terminates.

- Single confirmation: The first time in the whole MIDlet life a MIDlet uses a protected feature, user is prompted to grant access. It remains valid until the MIDlet is removed from the handset.
- Always: The security group unconditionally grants access to protected features.

A MIDlet has a security status which is either "uncertified", or else "certified".

An "uncertified" status means that the source of the MIDlet could not be verified by the mobile phone at installation time. As far as the phone knows, the MIDlet could have been written by anyone.

A "certified" status means that the MIDlet was digitally signed by a known party, whose name is displayed by the mobile phone.

Security permissions are different for "uncertified" or "certified" MIDlets.

### Security configuration menu

When a MIDlet is installed in the mobile phone, default security authorizations are applied.

This default security configuration may be altered through the "Settings/Security" menu of an installed MIDlet.

Once in the "Security" menu, the security status of the MIDlet is displayed.

If you do not want to enter the security menu, simply select "Back" button. You can proceed by selecting "Ok" button.

The menu displayed allows you to increase or decrease permissions currently applied to the current MIDlet for each of the security groups.

When you set a more permissive authorization to a security group than the current value, mobile phone asks you to confirm your increased risk exposure.

The maximum risk exposure increase is limited by the security status.

### What is Java™?

Business applications and games are easily downloadable by the end-user on a Java™ featured handset.

Your mobile phone is a MIDP 2.0 compliant Java™ platform which implements WMA (SMS support) and MMAPI (Multimedia support) options, providing an exciting environment to run highly graphical, networked and intuitive MIDP applications.

### What is a MIDlet?

A Java™ application or a game designed to run in a mobile phone is named a MIDlet (MIDP applet).

A MIDlet is usually made of 2 files:

- The JAD file
- The JAR file

JAD file stands for **J**ava™ **A**pplication **D**escriptor. It is a small file describing the content of a JAR file.

JAR file stands for **J**ava™ **A**rchive. It refers to the application data themselves (program, images, sound). A JAR file may be up to 200 kilo-bytes large.

**Note:** In rare circumstances, MIDlet vendors may provide no JAD file and the MIDlet is the JAR file alone. In such a case it is your only responsibility to evaluate the risk to download the JAR file without possibility of consulting the JAD file.

### Downloading a MIDlet (Java™ game or application)

MIDlets are easily downloaded in the mobile phone through the Games or Applications menus or through the WAP browser. In almost all cases, you will first receive a JAD file which will be displayed on the screen.

When you select a JAD file, your mobile phone downloads it, displays data contained and prompts you to acknowledge the JAR file download.

The popup displays information below:

- Name of the MIDlet, Version, Size, Name, Security status, URL.

If you do not want to download the main data (JAR file), you shall refuse to acknowledge further airtime consumption by selecting "Cancel".

If you agree on the MIDlet installation, just select "Ok". The MIDlet is installed with security levels set to default values associated with its security status.

Before downloading an application, such a message may appear: "Your handset cannot identify the application, please be sure of the source of the application before installing the application".

### Trademarks

Java™ and all other Java-based marks are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries.

### Disclaimer

Some downloaded items may contain data or may induce actions which may cause malfunctioning of your mobile phone or loss or corruption of data or abnormal increase of your airtime consumption.

You expressly acknowledge that the download of any applications including Java™ applications or games is done under your exclusive responsibility. In no event shall Sagem Communication, your network service provider or their affiliates be liable for any lost profits or costs of procurement of substitute goods or services, loss of profits, interruptions of business, loss of data or for any special, indirect, incidental, economic, or consequential damages arising under contract, tort, negligence, or other theory of liability relating to the download of any application by any means, including Java™ applications or games in SAGEM devices. You expressly acknowledge that any applications including Java™ applications or games are provided strictly «as is». Sagem Communication and/or your network service provider extend no warranty whatsoever thereto. Sagem Communication and/or your network service provider disclaim any express, implied or statutory warranty of merchantability, fitness of any applications including Java™ applications or games for a specific purpose, satisfactory quality, security or otherwise.

# Warranty

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You must always use your phone for the purpose for which it was designed, under normal operating conditions. Sagem Communication declines all responsibility for any use outside of the scope of its designed purpose and for any consequences of this use.

The software program developed by SAGEM remains the exclusive property of Sagem Communication. It is therefore highly prohibited to modify, translate, de-compile or disassemble this software program or any part thereof.

## Usage precautions

Your phone allows you to download ring tones, icons and animated screensavers. Some of these items may contain data that may cause malfunctions of your phone or data losses (virus for example).

For this reason, Sagem Communication rejects all responsibility concerning (1) the reception of downloaded data or losses of the said data, (2) the impact on the operation of the phone and (3) damages resulting from receiving the said downloaded data or loss of said data. In addition, Sagem Communication states that a failure caused by receiving downloaded data that do not comply with the specifications set by Sagem Communication is excluded from the warranty. Consequently, the diagnosis and repair of a phone infected by the said downloaded data will be at the expense of the customer.

Any content that you download to your phone may be protected by copyright belonging to third parties and consequently you may not have the right to use this content or its use may be restricted. Consequently it is up to you to ensure that you have permission, such as under the terms of a license agreement, to use any content that you download. Furthermore, Sagem Communication does not guarantee the accuracy nor the quality of any content that you download. You alone are responsible for the content that you download to your mobile phone and how you use it. Sagem Communication cannot be held responsible for this content nor for its use.

It is your responsibility to ensure compliance, at your own expense, with the laws and regulations applicable in the country where you use your phone.

## Warranty conditions

Whenever you wish to make use of the warranty, please contact your vendor and present him with the purchasing paperwork that he gave you.

If a fault occurs, he will advise you.

### 1.

The new phone (excluding consumables), including new accessories bundled with the phone, are guaranteed by Sagem Communication, parts and labour (apart from travel) against any manufacturing fault for a period of twelve (12) months with effect from the sale of the phone to the customer, on presentation of the paperwork stating the purchase date of the phone.

Phones that have been repaired or replaced as standard during the warranty period stated above are guaranteed (parts and labour) until the later of these two dates:

Expiry of the guarantee period of twelve (12) months stated above or three (3) months with effect from the date of support provided by Sagem Communication.

Your legal rights under the terms of applicable national law as well as your rights in relation to your retailer, as set out in the sales contract, remain applicable and are not in any way affected by this guarantee.

In any disputes, the phone is covered by the legal warranty against the consequences of faults or hidden defects in compliance with articles 1641 and subsequent of the French civil code.

## 2.

All faulty phones under warranty will be replaced or repaired free of charge at Sagem Communication's option (with the exclusion of repair of any other damage), once it has been specified that the work required for the application of the warranty will be done in a workshop and that the return costs (transport and insurance) of the phone to the address to be indicated to it by the Sagem Communication after-sales service, whose phone number will appear on the delivery note, will be charged to the customer.

Subject to essential legal provisions, Sagem Communication does not accept any warranty, explicit or implicit, other than the warranty provided expressly in this chapter, nor shall Sagem Communication accept responsibility for any immaterial and/or indirect damages (such as loss of orders, loss of profit or any other financial or commercial damage) under the warranty or not.

## 3.

The acceptance of a phone under warranty demands that a purchase document that is legible and without modification, stating vendor's name and address, date and place of purchase, type of phone and IMEI, are attached to the warranty, and that the information on the phone identification label is legible and that this label or any other seal has not been tampered with. The warranty applies in normal conditions of use.

Prior to sending the phone for repair, it is the customer's responsibility to backup at his expense the customized data stored in the phone (phonebook, settings, wallpapers). A list of backup facilities can be provided by Sagem Communication on request. The responsibility of Sagem Communication cannot be invoked if damage occurs to customer files, programs or data. The information or operating elements and the contents of files will not be re-installed in any case in the event of loss. Sagem Communication may decide, at its option, to repair the phone with new or reconditioned parts, replace the phone with a new phone or, in any dispute, a phone in good working condition. During its work Sagem Communication reserves the facility to make, where necessary, any technical modifications to the phone where these modifications do not adversely affect its initial purpose.

Faulty parts to be replaced during a repair under warranty will become the property of Sagem Communication.

The phone repair and standstill time during the warranty period may not lead to an extension of the warranty period as stated in article 1 above, provided no other vital provisions have been agreed.

The application of the warranty is subject to the full payment of the sums due for the phone when the request for support is made.

#### 4.

The following are excluded from the warranty:

Breakdowns or malfunctions due to non-compliance with the installation and use instructions, to an external cause of the phone (shock, lightning, fire, vandalism, malice, water damage of any type, contact with various liquids or any harmful agent, unsuitable electric current...), to modifications of the phone made without the written consent of Sagem Communication, to a servicing fault, as described in the documentation supplied with the phone, to lack of supervision or care, to poor environmental conditions of the phone (especially temperature and hygrometry, effects of variations in electric voltage, interference from the mains network or earth) or even due to a repair, a call-out (opening or trying to open the phone) or to servicing done by personnel not approved by Sagem Communication.

Damage resulting from inadequate packaging and/or poor packing of the phone sent back to Sagem Communication.

Normal wear and tear of the phone and accessories.

Communication problems linked with a poor environment, especially:

Problems accessing and/or logging onto the Internet, such as breakdowns of the access network, the failure of the subscriber's or his correspondent's line, transmission fault (poor geographic coverage by radio transmitters, interference, disturbance, failure or poor quality of phone lines...), a fault inherent to the local network (cabling, file server, user phone) and/or transmission network fault (interference, disturbance, failure or poor quality of the network...).

Change of parameters of the cellular network made after the phone was sold.

Supply of new software versions.

Current servicing work: delivery of consumables, installation or replacement of these consumables...

Call-outs for phone or software modified or added without the written consent of Sagem Communication.

Faults or disruptions resulting from the use of products or accessories not compatible with the phone.

Phones returned to Sagem Communication without having complied with the return procedure specific to the phone covered by this warranty.

The opening or closing of a SIM operator key and call-outs resulting in the non-operation of the phone resulting from the opening or closing of SIM operator key done without the agreement of the original operator.

#### 5.

In the cases of warranty exclusion and of expiry of the warranty period, Sagem Communication shall draw up an estimate to be given to the customer for acceptance before any call-out. The repair and carriage costs (there and back) given in the accepted estimate will be charged to the customer.

These provisions are valid unless a special written agreement has been made with the customer. If one of the provisions turns out to infringe a legally essential rule that consumers could have the benefit of under the national legislation, this provision will not be applied, but all other provisions will remain valid.

# Troubleshooting

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## The phone won't start and/or won't take a charge

The battery has completely lost its charge.

Connect the phone to the charger for between 5 and 30 minutes. The phone will only switch on after it has been charging for a few minutes.

You may use the phone again when the Start option is displayed on the screen.

If the phone still won't start after 30 minutes' charging, contact customer service.

## SIM not present

Check if the SIM card is present and properly positioned / inserted.

Check the condition of the SIM card. If damaged, please go back to the operator's shop for advice. Contact your after-sales service if the message persists.

## Incorrect PIN code

An incorrect PIN code has been entered. Be careful! Three incorrect PIN codes will block the SIM Card.

## SIM BLOCKED

If a wrong PIN number is entered three times in succession, your SIM card is blocked. You must then:

- Enter the PUK (Personal Unblocking Key) code provided by your operator, and validate.
- Enter your PIN number and validate.
- Enter your PIN number again and validate.

After 5 or 10 failed attempts (depending on the type of SIM card), the SIM card is definitely locked. You must then contact your operator to obtain a new card.

## SIM LOCKED

In certain cases, the handset can only be used with some types of SIM cards. This message means that the SIM card you are using does not fit with the phone. Take the SIM card out, and switch it back on. If the message **SIM not present** appears on the screen, you will need to check its compatibility next to the place where you bought it. If not, please contact your after-sales service.

### No call connection

Check that the number you have dialled is correct.

If the letter R is displayed on the top right corner of the screen, without any network name displayed, only emergency services can be called.

Check the status of your credit.

Check that the SIM Card you are using offers the service you are requesting; check if its validity has not expired.

Check and deactivate the outgoing calls restriction when necessary.

The network could be saturated. Try later.

If the problem persists, please contact your Technical Helpdesk.

### No receiving calls

Try to make a call in order to check that the phone and the network are operational.

Check and deactivate the permanent call forwarding (permanent call forwarding icon displayed on the screen).

Check and deactivate the incoming calls restriction when necessary.

If the problem persists, please contact your Technical Helpdesk.

### Quality reception when calling

Avoid placing your fingers on the top of the phone, where the aerial is integrated: the phone will have to use full strength to establish a quality transmission.

### Impossible to send message

Check that the message centre number is correctly entered.

To do so, please select the menu **Messages**, select **Options**, select **MSG centre n°** and check the number entered.

Please contact your network provider to get this number.

### No voicemail

Check that your subscription does offer this service.

Program the call to be forwarded to voicemail using the information provided by the operator.

Try to make a call to check that phone and network are operational.

Check if the voicemail number is properly configured. To do so, go to the **Settings/Calls** menu, select **Voicemail** and check the number. Otherwise, enter your operator's voicemail number.

### Operator name does not appear on screen

Go into the **Settings** menu, select **Networks**, then **Selection**. Wait until the operator appears, select it and validate.

If the Operator logo is present (depending on model), activate the display (**Settings/Operator logo**).

### How can I increase the efficiency of my phone?

Activate the eco mode (see **Settings/Energy saving**).

# Customer care

---

|                |                           |
|----------------|---------------------------|
| Austria        | 01 36 02 77 16 64         |
| Belgium        | 02 62 77 016              |
| Czech Republic | 844 555 600               |
| Denmark        | 0 82 33 28 52             |
| France         | 0 892 701 799 (0,34 €/mn) |
| Germany        | 01805 843 850             |
| Greece         | 0800 44 14 20 38          |
| Hungary        | 06 1 7774 839             |
| Ireland        | 0 160 58 355              |
| Italy          | 800 800 485               |
| Netherlands    | 020 65 45 724             |
| Poland         | 0801 801 101              |
| Portugal       | 21 316 41 35              |
| Romania        | 0800 89 45 21             |
| Russia         | 095 258 54 33             |
| Slovakia       | (421) 02 68 629 355       |
| South Africa   | 0800 99 14 17             |
| Spain          | 91 375 3376               |
| Sweden         | 08 519 923 21             |
| Switzerland    | 02 25 67 53 99            |
| United Kingdom | 0870 24 05 613            |

Customer Care e-mail address: [support.mobiles@sagem.com](mailto:support.mobiles@sagem.com)

Web sites: [www.sagem.com/mobiles](http://www.sagem.com/mobiles)  
[www.planetsagem.com](http://www.planetsagem.com)  
[www.sagem-online.com](http://www.sagem-online.com)

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1. The first step in the process of writing a research paper is to choose a topic. This is often the most difficult part, as you need to find a subject that is both interesting and relevant to your field of study.

2. Once you have chosen a topic, the next step is to conduct research. This involves finding and reading books, articles, and other sources of information related to your topic.

3. After you have gathered your research, the next step is to organize your thoughts. This is often done by creating an outline, which helps you to structure your paper and ensure that you cover all the important points.

4. The final step in the process is to write the paper. This involves putting your research and thoughts into words, and ensuring that your writing is clear, concise, and well-organized.

5. Once you have finished writing, the next step is to revise and edit your paper. This is a crucial part of the process, as it allows you to improve the quality of your writing and ensure that your paper is as strong as possible.

6. Finally, once you have revised and edited your paper, the next step is to submit it to your professor or instructor. This is the final step in the process, and it is important to ensure that your paper is in the best possible form before you submit it.



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