



# IsatPhone

User guide



The mobile satellite company™

# Welcome

IsatPhone is Inmarsat's new mobile satellite phone service, providing a simple, highly affordable way of staying in touch.

IsatPhone offers:

- Lightweight, pocket-sized handset.
- Rugged design.
- Dual mode satellite/GSM 900 mobile phone.
- Easy to use, icon-driven menu.
- Full range of accessories.

This user guide explains in detail how to set up, connect, personalise, and use your phone.

# Contents

<b>Before you start</b>	<b>05</b>
Package contents	05
Subscriptions and SIM cards	05
Connecting to the Inmarsat satellite/GSM	06
About this guide	06
Further details and support	06
<b>Setting up your IsatPhone</b>	<b>07</b>
Installing the SIM card	07
Installing the battery	09
Installing the antenna	12
Turning the phone on and off	14
<b>Connecting to the network</b>	<b>15</b>
Connecting to the satellite	15
Viewing satellite indicators	19
Positioning the antenna	20
Selecting or checking the channel number	23
Search options	24
<b>Making and receiving calls</b>	<b>25</b>
Making a call	25
Receiving a call	27
<b>Navigating the menu system</b>	<b>27</b>
Menu mode	28
Menu keys	28
<b>Initial phone settings</b>	<b>29</b>
Master reset	29
Locking and unlocking your phone	29
Setting phone numbers	30
Displaying phone numbers	30
Setting satellite antenna pointing	31
<b>Personalising your phone</b>	<b>32</b>
Setting time and date	32
Setting the alarm	33
Selecting ring type	34
Composing your own melody	34
Changing the earpiece volume	36
Setting handsfree volume	36
Changing the greeting text	36
Setting the minute minder	37
Changing the display backlight	37
Setting the ring signal level	38
Setting the key sound preference	49
<b>Supplementary services</b>	<b>40</b>
Returning a call	40
Re-dialling a number	40
Clearing call memory	41
Displaying missed calls	42

Hiding or showing your number	42
Changing the function during a call	43
Using the display as a scratch pad	44
Sending tone signals	44
Call forwarding (call divert)	45
Setting up call waiting	46
Setting up conference calls	49
Setting up call barring	51
Setting up call ID	51
About voicemail	52
Displaying call time information	52
Using the calculator	53
Selecting answer mode	53
<b>The phone book</b>	<b>54</b>
Before you start	54
Using phone book memories	54
Entering characters	54
Creating your personal phone book	55
Recalling a phone number	57
<b>Communicating via modem</b>	<b>62</b>
Making data calls	62
Communicating via modem-satellite mode	63
<b>Using the GSM service</b>	<b>64</b>
Setting GSM search preferences	64
Selecting answer mode	65
Setting next call type	66
Checking GSM call cost	67
<b>Sending and receiving text messages</b>	<b>67</b>
Using the phone memories	67
Sending, receiving and managing messages	69
<b>Security</b>	<b>73</b>
Using the SIM card lock	73
Using the phone lock	77
Using the key lock	78
Using the calling card security	78
<b>Guidelines for safe and efficient use</b>	<b>79</b>
<b>Indicators in the display</b>	<b>84</b>
<b>List of terms</b>	<b>85</b>
<b>Channel number map</b>	<b>86</b>

# Before you start

## Package contents

When you unpack the Inmarsat IsatPhone, make sure you have the following:

- IsatPhone handset
- Antenna
- AC power adapter and cables
- Power cords (European, US, British)
- Wired hands-free unit
- Slim battery pack
- Quick start guide
- Channel number label

The following are optional accessories that you may choose to include in the package:

- Spare charger and cable
- Soft GSM modem with USB connector
- IsatPhone handset holder
- IsatPhone indoor kit
- IsatPhone car kit

## Subscriptions and SIM cards

Before you can use your phone you must obtain a subscription and SIM card from a service provider. The services included in your subscription depend on your choice of subscription – contact your service provider for details.

## Connecting to an Inmarsat satellite/GSM

Your phone operates in either 'SAT' (Inmarsat satellite) mode or 'GSM' mode, depending on which satellite network you are using.

- You must use an Inmarsat-provisioned SIM card to access the Inmarsat satellite network. An Inmarsat-provisioned SIM card cannot be used on a GSM network.
- You can use any valid GSM SIM card to access the GSM network. A GSM SIM card cannot be used on the Inmarsat satellite network.

## About this guide

This guide focuses on the use of the IsatPhone on the Inmarsat satellite network. Refer to 'Using the GSM service' on page 65 for details on using a GSM SIM card in the IsatPhone.

The following conventions are used in this guide:

- Letters in **Bold** indicate a menu, function or key.
- The slash character (/) is used to separate menus from sub-menus. For example, **Networks/New search** indicates that you should select the **Networks** menu option and then **New search** in the sub-menu.
- Text within brackets () indicates the current setting for the function displayed; < and > indicates that you can scroll through more options.
- The term 'select' means move to the specified item in the menu or sub-menu, and press the **YES** key.

## Further details and support

If you experience problems whilst using your IsatPhone, contact your service provider for customer support.

In an emergency, the Inmarsat Customer Services Technical Helpdesk is available to assist.

To contact Inmarsat customer services:

Tel: +44 (0)20 7728 1300

Email: [customer\\_care@inmarsat.com](mailto:customer_care@inmarsat.com)

Fax: +44 (0)20 7728 1142

# Setting up your IsatPhone

Before you can use your phone for the first time, you should do the following:

1. Install the SIM card if it is not already installed.
2. Install the battery and charge the battery.
3. Attach the antenna.

These three steps are described in further detail below.

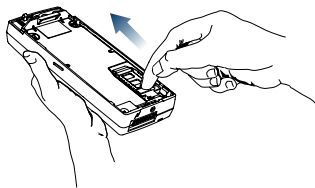
## Installing the SIM card

If you purchased your phone from your network service provider, the SIM card may already be installed. If not, you must install it before you can use your phone.

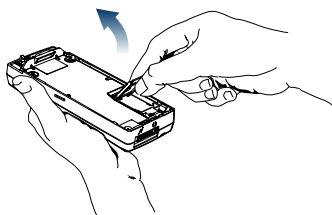
The SIM card that comes with your subscription is about the size of a postage stamp (sometimes, service providers provide you with a larger card, containing a smaller, postage stamp-sized SIM card that you can punch out).

### ➔ Opening the SIM card holder

To open the SIM card holder, remove the battery, if attached, then:



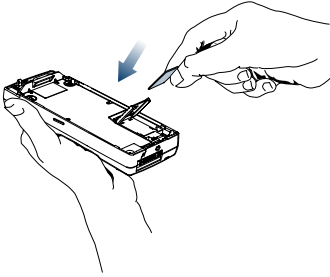
1. Release the SIM card holder by sliding it towards the top of the phone.



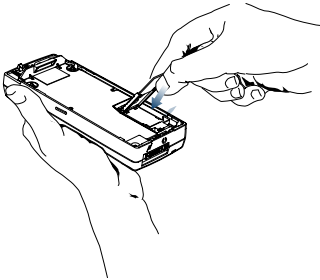
2. Fold out the holder as shown.

## ➔ Inserting the SIM card

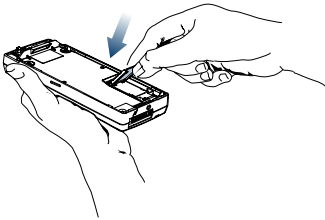
To insert the SIM card:



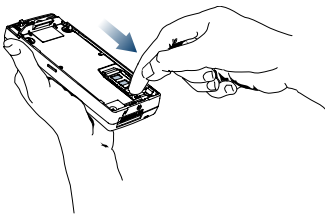
1. Hold the SIM card with the angled corner at top right. The metal contact strip should be facing downwards towards the metal contacts in the phone.



2. Slide the card into the holder.



3. Fold down the holder.



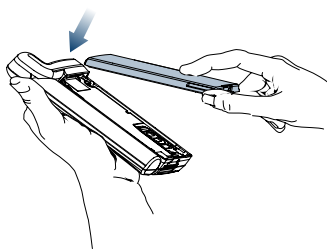
4. Lock the holder by pressing it down and sliding it towards the bottom of the phone.



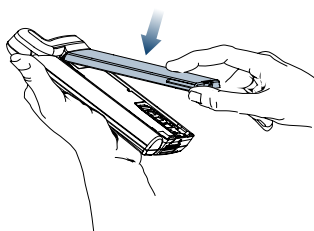
## Installing the battery

Your IsatPhone comes with a nickel metal hydride (NiMH) battery. The battery is not charged when you purchase the phone, but there may be enough power to turn the phone on. You will need to charge the battery after you attach it to the phone. See 'Charging the battery' on page 11.

### ➔ Attaching the battery



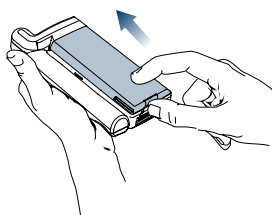
1. Place the battery on the back of the phone.



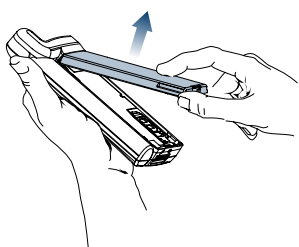
2. Press the battery forward and down until you hear a click.

### ➔ Removing the battery

Make sure that the phone is turned off before removing the battery, and then:



1. Press the battery forward.



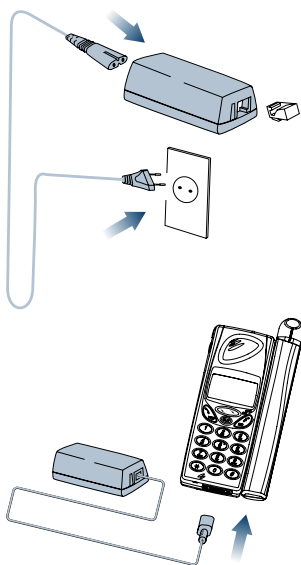
2. Lift the battery up and away from the phone.

## ➔ Charging the battery

The phone comes with an AC battery charger. Inmarsat recommends that you charge the battery overnight before using your phone for the first time.

## ➔ Attaching the AC charger

Follow these steps to connect the charger:

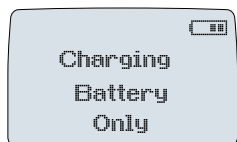


1. If applicable, connect the plastic plug on the power cable to the charger.
2. Connect the charger to the socket.
3. Connect the other end of the charger to the phone.

**Note:** The flash symbol on the plug must face upwards. You may have to press hard.

The battery starts charging as soon as you attach the charger (a green indicator on the phone lights up). If it does not, disconnect the charger from the phone and try attaching it again, pressing hard. You should hear a click.

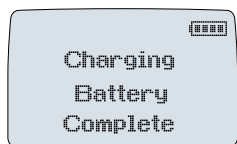
You can charge the phone when it is on or off.



- If a charger is attached, but the phone turned off, the message **Charging Battery Only** is displayed.
- If the phone is on, the display will continue to operate normally.

Charging is indicated by the following:

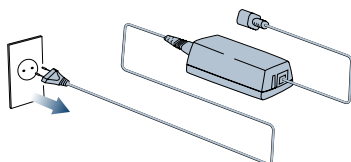
- The battery meter in the display shows fill level.
- The indicator on top of the phone shows a steady red light if the phone is off, and green if the phone is on.



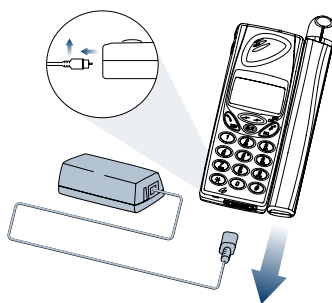
When the battery is fully charged, the battery meter in the display shows full and the indicator on top of the phone shows a steady green light.

It is possible to use the phone while the battery is being charged. However, the charging time is increased.

### ➔ Disconnecting the charger



1. Disconnect the charger from the electrical socket.



2. Lift the plug connected to the phone upwards and pull it out.

## ➔ When to charge the battery

The nickel metal hydride (NiMH) battery that comes with your phone can be charged as often or as long as you wish without losing performance.

**Note:** For optimal talk and standby time, Inmarsat recommends that you use only nickel metal hydride (NiMH) batteries with your phone.

When the battery needs charging, the phone gives the following indications:

- An alarm signal (a long beep) sounds and the message **Battery low** appears for ten seconds in the display.
- The indicator light on top of the phone starts to blink red.
- The alarm may sound again after 10 minutes, depending on the battery type and how fast it is being discharged.

## ➔ Low battery alarm

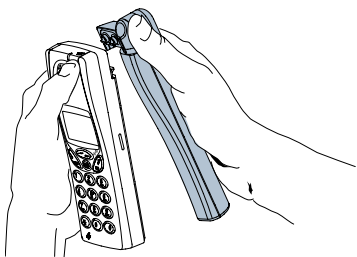
When the battery has discharged, the low battery alarm sounds, then the phone automatically shuts off. You might be able to turn the phone on again, but you cannot make or receive any calls until the battery has been charged, or replaced with a charged one.

## Installing the antenna

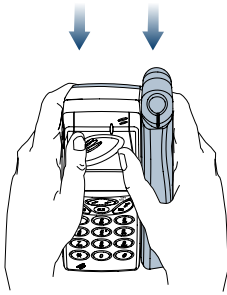
The supplied antenna can be used to connect to either the Inmarsat I-4 satellite (with an Inmarsat SIM card), or a GSM network (with a GSM SIM card).

## ➔ Attaching the antenna

To attach the antenna:



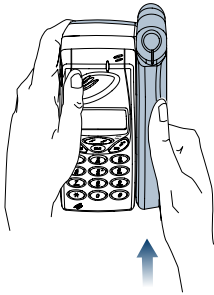
1. Place the phone in front of the antenna.



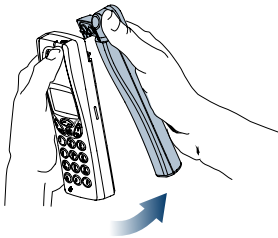
2. Press together as shown. You hear a click when the two are attached properly.

### ➔ Removing the antenna

To remove the antenna from your phone (for storage or shipping), do the following:



1. Grasp the phone with both hands.
2. Place your right thumb on the lower part of the antenna.
3. Press back on the antenna.



4. Lift off the antenna with a slight rotation from bottom to top.

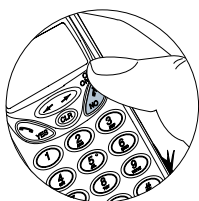
**Note:** Damage will occur if the antenna is removed incorrectly.

## Turning the phone on and off

**Note:** The first time you turn your phone on, or the first time you turn on your phone after inserting a new SIM card, you have to enter the PIN (SIM lock code) given to you by your network service provider. You may change your PIN or turn the SIM lock off. See 'Locking the SIM card' on page 75 for instructions.

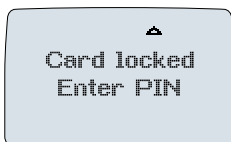
**Note:** If you see the message **SETUP NEW SIM - ACeS Subscription?**, after entering a new SIM card, press the **NO** key.

To turn the phone on:



1. Press and hold down the **NO** (on/off) key for 3-5 seconds until you hear a click and the screen is activated.

**Note:** If you see the message **Insert card**, you must insert a SIM card. Refer to "Installing the SIM card" on page 8.



The message shown on the left displays.

2. Enter your PIN (if set up). The digits appear as stars (\*) in the display. If you make a mistake while entering your PIN, delete the wrong digit by pressing the **CLR** key.
3. Press **YES**.

If you enter your PIN correctly, you see a greeting text.

To turn your phone off, press and hold the **NO** (on/off) key until the display is turned off.

### ➔ SIM card rejected

Your SIM card may be rejected by the phone if you are operating in satellite mode and a faulty SIM card is installed. Contact your service provider.

# Connecting to the network

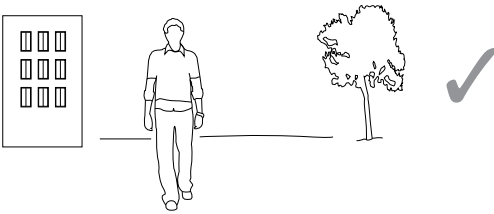
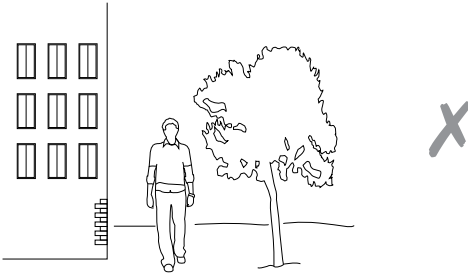
## Connecting to a satellite

To connect your IsatPhone to a satellite:

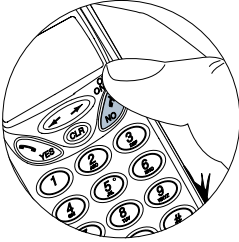
1. Make sure you are in the I-4 satellite coverage area (shown on the coverage map at the back of this guide).

Note your position relative to the closest satellite (as indicated on the coverage map); this will help you to point the antenna.

2. Stand in an open area, free from obstructions such as buildings, trees or mountains.



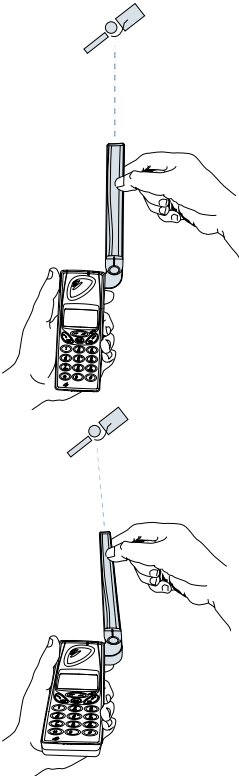
3. Turn on the IsatPhone by pressing and holding the NO (On/Off) key for 3-5 seconds, until you hear a click and the screen is activated.



If prompted to enter a PIN, enter the PIN provided by your service provider.

**Note:** The Inmarsat default PIN is **8888**.

4. Raise the antenna and point it in the direction of your chosen satellite, using the coverage map for guidance.



To do this, angle the phone antenna in the direction of the satellite.

If you are closer to the centre of the satellite's coverage area than the edge, point the antenna directly upwards, as shown left:

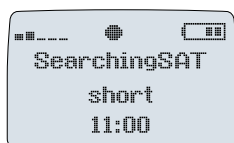
If you are closer to the edge of the satellite's coverage area than the centre, angle the phone and antenna at 45° towards the satellite, as shown left:



The IsatPhone now searches for the satellite automatically.



As the search progresses, monitor the screen until the signal bars indicate good signal strength (at least two bars), and the full circle symbol displays ●.



Wait until **SAT** is displayed, as shown below (this may take up to 2 minutes):



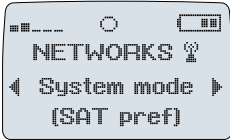
The IsatPhone is now ready to make and receive calls.

**Note:** If you see any other screen during pointing, refer to 'Viewing satellite indicators' on page 20.

**Tip:** Inmarsat recommends you use the supplied handsfree unit to make and receive calls. This makes it easier for you to keep the antenna pointed in the direction of the satellite.

## ➔ Changing the satellite search mode

If the message **SearchingGSM** displays after **SearchingSAT** short, the IsatPhone was unable to locate the Inmarsat satellite and is trying to locate a GSM network. If you see this message, configure your phone to search for the I-4 satellite only. To do this:



1. Use the up and down arrow keys to scroll through the menus to **NETWORKS/System mode/<current setting>**, and press **YES**.



2. Select **SYSTEM MODE/Satellite only**, and press **YES** to store the setting.

3. Re-point the antenna as described in 'Connecting to the satellite'.

**Note:** Similarly, if you are using a GSM SIM card and the message **SearchingSAT** short displays, the IsatPhone was unable to locate a GSM network and is searching for the I-4 satellite. Follow steps 1-3 above, and select **GSM only** at step 2.

Note that you can set your phone to search in one of four modes:

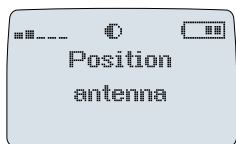
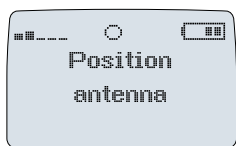
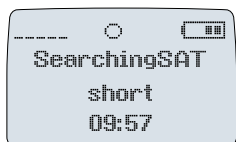
- **Satellite pref:** This is the default. In this mode, the IsatPhone searches first for the Inmarsat satellite. If it doesn't find the satellite, it tries to search for a GSM network. Note, however, that your IsatPhone will not connect to a GSM network unless it has a GSM SIM card installed.
- **Satellite only:** Searches only for the Inmarsat satellite network. Select this mode to speed up the satellite search.
- **GSM pref:** Select this mode if you have a GSM card installed. In this mode, the IsatPhone searches for a GSM network. If none is found, it tries to search for the Inmarsat satellite. Note, however, that your IsatPhone will not connect to the Inmarsat satellite unless it has an Inmarsat-provisioned SIM card installed.
- **GSM only:** Searches only for a GSM network. Select this mode to speed up the search for a GSM network.

To set your phone to one of these modes:

1. Select **Networks** from the menu.
2. Select **System mode** from the options.
3. Scroll to the mode you want to set your phone to and press **YES**.

## Viewing satellite indicators

The following are the satellite service indicators that can display if the IsatPhone does not connect to the required satellite:



- If the message **SearchingSAT short** displays for more than two minutes, and the signal strength indicator shows no signal, you must re-point the antenna.
- An empty circle with the message **No network** indicates limited or no satellite service.
- An empty circle with the message **Position antenna** indicates that you should position the antenna to obtain a better signal and full satellite service for both making and receiving calls.
- A half circle with the message **Position antenna** indicates that you should position the antenna to obtain a better signal and full satellite service for both making a receiving calls.

**Note:** You might receive notification of an incoming satellite call when a half circle displays, but will not be able to receive the call. Refer to 'Point antenna to receive a call' on page 22 for details.

If you see any of the screens shown above, do the following:

- Re-point the antenna, as described in 'Pointing the antenna' on page 21. If you still do not receive a full strength satellite signal:
- Enter a channel number, as described in 'Selecting or checking the channel number' on page 24.

## Pointing the antenna

If you do not have a strong enough satellite signal:

- Check that your current location is within the coverage area of the I-4 satellites, shown on the coverage map at the back of this guide.
- Check that you are in an open area free from obstructions.
- Re-point, using the coverage map for guidance.

If you still do not get a satellite signal, refer to 'Selecting or checking the channel number' on page 24.

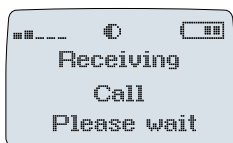
### ➔ Pointing from the edge of the coverage area

If you are closer to the edge of the satellite's coverage area than the centre, angle the phone and antenna at 45° and point as described in 'Connecting to the satellite' on page 16.

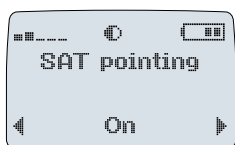
If you do not know the exact location of the satellite, point the phone in the approximate direction and hold for at least two minutes, monitoring the signal strength indicator. If the phone continues to display **SearchingSAT short** and shows no signal strength after two minutes, rotate the phone antenna 90° and repeat the process. Continue until the signal strength indicator shows a signal.

If no signal is shown after you have turned through 360°, refer to 'Selecting or checking the channel number' on page 24.

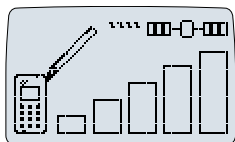
## ➔ Point antenna to receive a call



- If the satellite is in range, but signal reception is not strong enough for you to receive a call, you might receive notification of a pending call. To maximise reliability, you must establish a full satellite service.

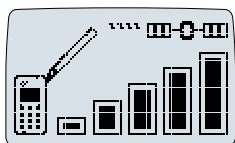


- If the Antenna Pointing function is on, you hear the satellite assist signal consisting of different pitches (depending on the signal strength) when receiving notification of a pending call. The satellite assist signal tone continues until time-out, a sufficiently strong satellite signal is located, or until you press CLR to turn it off. Pressing CLR will turn it on again.



- If set to off, instead of the signal described above, the call pending notification signal of three short tones is repeated every 5 seconds until time-out or your phone finds a signal that is sufficiently strong enough for your phone to respond to.

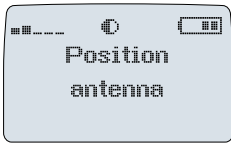
Move the phone and antenna to different positions until the **Position antenna** message disappears.



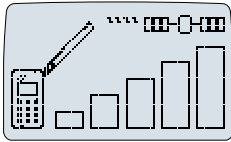
- If the phone received a full service signal before time-out, **Connecting** displays, the phone rings and you can answer the call.

**Note:** Refer to 'Setting satellite antenna pointing' on page 32 for details on turning this function on.

## ➔ Pointing antenna to make a call



If you receive a satellite signal, but it is not strong enough to make a call (a half circle is displayed), **Position antenna** displays when you initiate a call. The call is pending until a sufficiently strong signal is received.



If the Antenna Pointing function is on and you press **YES** again, the Antenna Pointing function is activated to help you place the call. Re-position the phone until you hear a beep and **Calling** appears.

**Note:** Refer to 'Setting satellite antenna pointing' on page 32 for details on turning this function on.

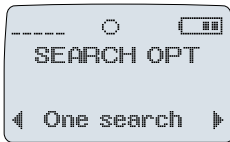
## Selecting or checking the channel number

If you cannot connect to the satellite by pointing the antenna, manually enter the appropriate satellite channel number or check the current channel number using the IsatPhone. To do this:

1. Identify the number of the channel closest to your location, using the coverage map provided at the back of this guide.



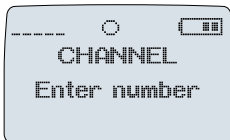
2. Using the left and right arrow keys, scroll to **NETWORKS/Search opt Satellite** and press **YES**.



3. Scroll to **SEARCH OPT/One Search** and press **YES**.



4. Scroll to **ONE SEARCH/Channel <current number>** and press **YES**.



**CHANNEL** Enter number displays.

5. Enter the required channel number, as it appears on the coverage map.
6. Press **YES** to search for the selected channel.

There are four channel numbers in use: **38, 48, 49, 88** (correct at the time of publication). You may wish to attach the supplied channel number label to your phone to ensure that you have a record of the available channel numbers.

**Note:** For up-to-date information on channel numbers, refer to [inmarsat.com](http://inmarsat.com)

## Search options

The IsatPhone menu offers you three search options: short, long and extensive. Only use short search on the I-4 satellite (this is the default option). If you select long or extensive search by mistake, and you later notice that you have a strong satellite signal, but cannot make a call, contact your service provider.

### ➔ Starting a new search

If you are operating in Satellite only or GSM only mode, you can initiate a new search in the current mode. To do this:



1. Scroll to the **NETWORKS** menu, select **New search/<current mode>**.
2. Press **YES**.

A search begins for a network in the current mode.

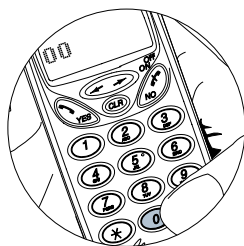


# Making and receiving calls

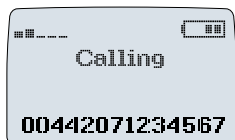
The instructions in this chapter assume that you have performed the setup procedures described in the previous sections, have turned on your phone, and that you are within range of a network.

## Making a call

If you are using the I-4 satellite, you must always use the international number format when making a call. To do this:



1. Type in **00**, then enter the country code, the area code (without the leading zero), then the phone number and press **YES**.



2. The message **Calling** displays followed by the message **Connecting**.



3. When the call is answered, the display shows the elapsed call time in minutes and seconds.

If the call is not answered, the number is busy or the call cannot be connected, press **NO**. The number is stored in the phone memory for you to re-dial later if required.

#### Note:

- Keep the antenna pointing in the direction of the satellite during the call.
- If the call quality is not as good as you expect from the IsatPhone, check that the channel number you are using is correct for your location. To do this, refer to 'Selecting or checking the channel number' on page 24.
- If you make a mistake when dialling a number, you can correct it. Press CLR to delete the last digit, or press and hold CLR to delete all the digits.

#### Example:

To call the number 44 020 71234567:

- Key in **00442071234567** and press **YES**.

**Important:** All numbers should be dialled as international numbers no matter which country you are in. These numbers should also be stored in international format in your phone book.

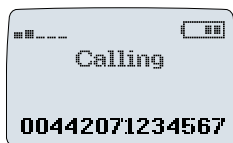
**Tip:** Inmarsat recommends you use the supplied handsfree unit to make and receive calls. This makes it easier for you to keep the antenna pointed in the direction of the satellite.

### ➔ Walking and talking

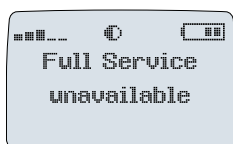
If you walk and talk whilst on a call, the IsatPhone will retain the signal provided the antenna remains pointed in the direction of the satellite.

### ➔ Satellite calls without a full-strength signal

You cannot make and receive a satellite call if your phone does not lock onto a signal strong enough to establish full service. If you are receiving a signal, but it is not strong enough to make or receive calls (a half circle is displayed), you can do the following:



- Initiate a call. The call is pending for a short time or until you obtain full service. The call is automatically placed if full service is established before the time expires.



- If you make a call and full service cannot be established, **Full Service unavailable** displays and the phone returns to standby. You must reposition the antenna until full service is established.

- You may also be able to receive notification of pending calls. However, to maximise the reliability of incoming calls, you must establish a full satellite service before the incoming call arrives.

## Receiving a call



- The screen must display the full circle symbol and **SAT** before you can receive an incoming call.
- When you receive a call, the IsatPhone rings and the screen displays **Answer?**
- Press **YES** to answer the call, and **NO** to end the call.
- Keep the antenna pointing towards the satellite during the call.

# Navigating the menu system

You should become familiar with menus, display text, and indicators (icons or symbols) in order to operate your phone efficiently.

## ➔ How to scroll

To scroll to a menu or function, press the left or right arrow key. You can also use the up or down volume keys on the side of the phone to scroll to a menu, except during a call.

## ➔ Indicators in the display

See the table 'Indicators in the display' on page 85 for examples of symbols used in the display.

## Menu mode

The menus are arranged in a continuous loop, which you move through with the **YES**, **NO**, **CLR** and Navigation (arrow) keys.

To select a menu or make a setting:

1. Scroll to a menu or function and press **YES**.
2. Press **YES** to select the function.
3. Scroll to the desired sub-menu.
4. Press **YES** to enter the sub-menu or to confirm the setting.

**Note:** Unless you are in menus relating to Text messages, the phone will eventually return to standby if you do not press any key. This occurs after 60 seconds for the first menu level, or 240 seconds for other menu levels.

## Menu keys

Press

to:



Activate menu mode and scroll through the menus and sub-menus.



Answer a call, select a menu or function, or send a call when digits are displayed.



End a call, turn the phone on or off, go back one level, clear digits from the display or leave a setting unchanged.



Return to the standby menu, mute the ring signal during a call or call pending notification, turn the ring signal off in standby mode, delete one digit or character at a time or hold down to delete all at once.



Adjust the volume during a call, or set the earpiece volume from the **SETTINGS/Ear Volume** menu, activate menu mode and scroll through menus and sub-menus.

---

# Initial phone settings

You need to set certain parameters before you can use some of the phone's features. You can also personalise your phone by changing settings such as the ring tone or melody, ring level or display light. See 'Personalising your phone' on page 33.

## Master reset

If you make changes and then decide that you do not want to keep those changes, you can reset your phone to the default factory settings. To do this:



1. Open the **SETTINGS** menu and select **Master reset**.
2. Enter your phone lock code and press **YES**. (The default code is 0000).

## Locking and unlocking your phone

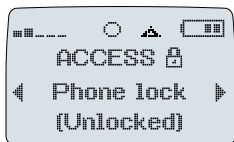
### ➔ Keypad lock



Use the **SETTINGS** menu to lock the keypad on your phone so keys cannot be accidentally pressed. See 'Using the key lock' on page 79 for instructions on locking and unlocking the keypad.

### ➔ Phone lock

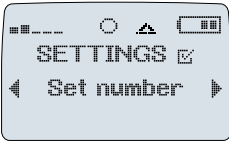
The Phone lock protects the phone against unauthorised use in the event of theft. It is not on when you purchase the phone.



Use the **ACCESS** menu to set a Phone lock or Key lock code, to change your code, lock your SIM card, or to bar certain incoming or outgoing calls. See 'Using the phone lock' on page 78 for detailed instructions.

## Setting phone numbers

You may have as many as three different phone numbers associated with your satellite or GSM subscription. If the phone numbers exist on your SIM card and your subscription allows you to change the numbers, you can store them and display them when needed.



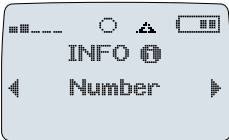
1. From the **SETTINGS** menu, select **Set number**.

2. Select the type of phone number that you want to set:

- SAT (or GSM) Phone no.
- SAT (or GSM) Fax no.
- SAT (or GSM) Data no.

## Displaying phone numbers

If you forget one of your phone numbers, you can display it as follows:



1. From the **INFO** menu select **Number**.



2. Scroll to **Phone no**, **Fax no** or **Data no**.

## Setting satellite antenna pointing

When the satellite signal is not strong enough for the phone to receive calls or register with the network, the Antenna Pointing function sounds to assist you with positioning the antenna when receiving or placing a call.

To activate the antenna pointing function:



1. Scroll to **SETTINGS/PointAntenna/On**.
2. Press **YES** to turn on this function.

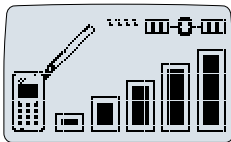
**Note:** This menu item is only available in satellite mode.

To turn off the antenna pointing function:



1. Scroll to **SETTINGS/PointAntenna/Off**.
2. Press **YES**.

- If antenna pointing is set to **On**, you hear the satellite assist signal consisting of different tones (depending on the signal strength) when receiving notification of a pending call. The satellite assist signal tone continues until time-out, a full satellite signal is received, or until you press **CLR** to turn it off. Press **CLR** again to turn it back on.
- If antenna pointing is set to **Off**, instead of the signal described above, the call pending notification signal of three short tones is repeated every 5 seconds until time-out or your phone locks onto a signal that is strong enough for your phone to respond to it.



- If antenna pointing is set to **On**, you will see the display shown left when antenna pointing assistance is needed.

Point the IsatPhone until you obtain the maximum possible signal strength, indicated by the signal strength bars.

The volume for the Antenna Pointing signal is the same as the ring volume. To change the setting, see 'Setting the ring signal level' on page 39.

# Personalising your phone

You can personalise your phone by changing the settings listed in this section. For other settings, see 'Initial phone settings' on page 30.

You can return your phone to the factory default settings from the Master Reset menu. See 'Master reset' on page 30.

## Setting time and date

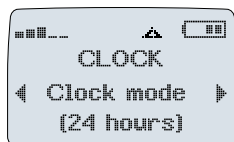
The TOOLS/Clock menu lets you set (or reset) the time, date, date and time format, and alarm.

You should set the clock during the initial setup, as the phone displays the time continuously when in standby mode. You will need to reset the time when you travel to different time zones.

### ➔ Set time format

To change the time format:

1. From the TOOLS menu, select CLOCK/Clock mode.



2. Select the desired clock mode: AM/PM or 24 hours.

3. Press YES.

### ➔ Set time

To set the clock:



1. From the TOOLS/CLOCK menu, select Set clock.

2. Enter the time in hours and minutes.

3. Press YES.

If you have selected the 12-hour format in the Clock mode function, you can alternate between am and pm by pressing # or \*.



## ➔ Set date mode

It is possible to have the current date appear in the middle of the display when the phone is in standby mode.

To set the date format:



1. Select **Date mode** from the **TOOLS/CLOCK** menu.
2. Scroll to the required date format.
3. Press **YES** to select a date format.

## ➔ Set date

To set the date:



1. Select **Set date** from the **TOOLS/CLOCK** menu.
2. Enter the year (two digits).
3. Press **YES**.
4. Enter the month and day using two digits for each.
5. Press **YES** to confirm your setting.

## Setting the alarm

Your phone has an alarm. When it is turned on, an icon in the shape of a bell is shown next to the current time in the display. See 'Indicators in the display' on page 85 for an example of the icon.

The alarm sounds at the set time even if the phone is turned off. The keypad and display flash. The volume of the alarm signal depends on the ring signal setting.

The alarm sounds for 60 seconds and is repeated every nine minutes until you turn it off.

## ➔ To set the alarm



1. Select **Set alarm** from the **TOOLS/CLOCK** menu.
2. Scroll to the **New time** option. Press **YES**.
3. Enter the time in hours and minutes.
4. Press **YES**.

If you choose the 12-hour format in the Clock mode function, you can alternate between am/pm by pressing \* or #.

## ➔ To turn the alarm off



1. Press any key to turn the alarm off when it sounds.
2. Press **YES** if you do not want the alarm to be repeated.

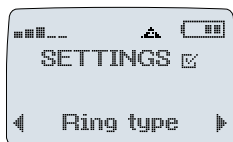
## ➔ To turn the alarm function off

1. Select **Set alarm** from the **TOOLS/CLOCK** menu.
2. Scroll to the **Off** option.
3. Press **YES**.

## Selecting ring type

You can select from several ring signals, including 10 prestored melodies, or you can compose your own melody. You can use different ring signals for different call types: voice and data, if your subscription provides these services.

To select a signal:



1. From the **SETTINGS** menu, select **Ring type**.
2. Press **YES**.
3. Scroll to select from **Mix**, **High**, **Low**, **Own melody**, or **Melody 1** to **Melody 10**.
4. Press **YES** to store your selection.

## Composing your own melody

To compose your own melody:



1. From the **SETTINGS** menu, select **Edit melody**.



2. Press YES. The current melody is shown.

- Press YES to hear the melody. Ready? appears. Press YES.
- Press CLR to clear the old melody from the display.

**Note:** You can clear one letter at a time or hold down the CLR key to clear all at the same time.

3. The keypad now functions as a keyboard. Pressing a key produces a note. Press and hold a key to create a long note. See the table below for an explanation. Press CLR to delete a note.
4. Press YES to store your new melody.

**Note:** Use the following table to compose your own melody. Press CLR to erase a note. Press and hold down CLR to clear the display.

Key	Note	Press (1/8)	Hold (1/4)
1	DO	c	C
2	RE	d	D
3	MI	e	E
4	FA	f	F
5	SO	g	G
6	LA	a	A
7	TI	b	B
8	DO (2nd octave)	+c	+C
9	RE (2nd octave)	+d	+D
0		Change octave (+)	
*		p (pause 1/8)	P (pause)
#		1 press = # 2 press = b	

## Changing the earpiece volume

**Note:** Before changing the earpiece volume (if it is too low), check that you have put the earpiece next to your ear correctly.

To change the earpiece volume:



1. Select **Ear volume** from the **SETTINGS** menu.

2. Press the volume key on the side of the phone to adjust the volume.

- Press the top key to increase the volume.
- Press the lower key to decrease the volume.



3. Press **YES** when you reach the volume you want. **Stored** displays.

**Tip:** During a call you can use the volume keys on the side of the phone to adjust the volume.

## Setting handsfree volume

You can set independent volume settings when you use the phone as a handheld unit or with handsfree equipment. This means that if you set the earpiece volume when the phone is connected to handsfree equipment, the volume setting for the phone when you use it as a handheld unit is not affected and vice versa.

## Changing the greeting text

When you turn on your phone, a greeting text appears in the display. If your service provider allows it, you can write your own greeting text.

To enter your own greeting:



1. Select **Greeting** from the **SETTINGS** menu.



2. Scroll to **New text**.

3. Press **YES**.

4. Write your new greeting using the numeric keys. Use the 1 key to enter a space. Use the \* key to toggle between upper and lower case.

5. Press **YES** to confirm your new greeting.

- You can choose your own phone number as your greeting by selecting **SETTINGS/Greeting/Own number**.
- You can choose the Inmarsat logo as your greeting by selecting **SETTINGS/Greeting/Logo**.

## Setting the minute minder

This function indicates the time spent during a conversation by entering a short beep every minute.

To set the minute minder:



1. Select **Min minder** from the **SETTINGS** menu.

2. Choose between **ON** or **OFF**.

3. Press **YES** to confirm your selection.

## Changing the display backlight

The display backlight can be set to automatic, off or on.

In automatic mode, the display backlight is turned off automatically 10 seconds after the last key has been pressed. It comes on again when you press a key or receive a call or message.

To set the display light:



1. Select **Light** from the **SETTINGS** menu.

2. Use the navigation key to choose the backlight setting you want.
3. Confirm your selection by pressing **YES**.

You can have one setting when the phone is used as a handheld unit and another setting when the phone is used with a handsfree kit, powered from an external source.

If you place the phone in a vehicle handsfree cradle and make a selection, the setting applies only to handsfree mode. You can set the display backlight so that it is always on in handsfree mode and still have it in automatic mode otherwise.

## Setting the ring signal level

You can change the ring signal volume level.

1. From the **SETTINGS** menu, select **RING LEVEL**.



2. Press **YES**. The ring level indicator appears.



3. Press the navigation key to set the ring signal level. The phone rings once as you increase the volume.
  - Press the left key to decrease the volume.
  - Press the right key to increase the volume.

4. Press **YES**. **Stored** appears.

**Tip:** Use the volume keys to change the ring level silently.

### ➔ Instant silent ring mode

You can put your phone in silent ring mode instantly by pressing and holding the **CLR** key (Long **CLR**). The silent ring icon (🔇) appears in the bottom line of the display.

Press and hold the **CLR** key when you receive a call to mute the ringer for the incoming call only.

## Setting the key sound preference

You can set the sound the keys make when you press them.



1. Select **SETTINGS/Key Sound**.

2. Press **YES**.
3. Select **Silent, Tone, or Click**.
4. Press **YES**. **Stored** appears.

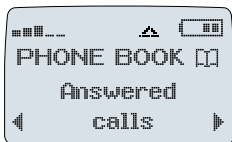
During a call, you can send DTMF tones regardless of Key Sound selection. Press any key to generate a tone, or re-dial a number from the phone memory and press **YES** to generate a tone sequence.

# Supplementary services

Your phone has many features that can help in making and receiving calls. The features available to you depend on your subscription, and on whether you have a prepay or post-pay agreement.

## Returning a call

Your phone automatically stores the numbers of the last 10 phone calls you answered. To re-dial one of the last answered numbers:



1. Scroll to the **PHONE BOOK** menu and press **YES**. Then scroll to the **Answered calls** option and press **YES**.

2. Scroll to the number you want to call.
3. Press **YES** to dial.

## Re-dialling a number

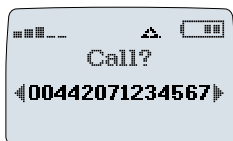
If your SIM card supports this feature you can use the re-dial function to do the following:

- Automatically re-dial the last number you dialed that failed.
- Recall the last 15 phone numbers you called and automatically dial them.
- Recall the last 10 phone calls you answered and automatically dial them.
- Recall the last 10 missed calls and automatically dial them.

If your subscription supports calling line identification, and the caller's network sends the number and caller identification, this information is stored. If the number and name are stored in your phone book, the name is displayed with the number.



## ➤ Re-dial previously called numbers



1. Press **YES**. **Call?** is displayed together with the last number you dialed
2. Scroll to display the number you want to call. Press **YES** to make the call.

## ➤ The automatic re-dial function



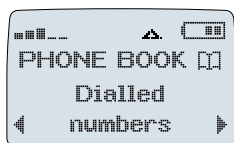
If the connection fails, the display shows **Retry?** and the reason why the connection was unsuccessful.

- Press **YES** to automatically re-dial the number 10 times until the call is answered.
- If you press any key or receive a call, re-dialling is interrupted.
- If the re-dial is successful the phone beeps, then rings.
- Press **NO** if you do not want to retry.

## Clearing call memory

To clear the Answered calls or Dialed number memory:

1. From the **Phone Book** menu, select the memory you want to clear:



- Answered calls.
- Dialed numbers.

2. Press **YES**. Details of the last call are displayed.

3. Press and hold the **CLR** key.



4. **Erase all?** displays. Press **YES** to erase all.

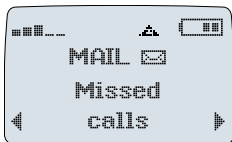
Press **CLR** or **NO** to return to standby mode.

## Displaying missed calls

If you receive a call, but are unable to answer, the number of unanswered calls is displayed until you press the CLR key.

Information about the last 10 missed calls is saved, allowing you to check when the calls were received. If your subscription includes the service calling line identification and the caller's network sends the number, you can also find out who called.

To recall information about the missing calls:



1. From the **MAIL** menu, select **Missed calls**.

2. Press **YES**. Information about the last missed call appears.
3. Press **YES** to dial the number displayed, or press the navigation key to display additional calls, and press **YES** to call the number displayed.
4. Press **CLR** (followed by **YES** to confirm) to delete the number and return to standby mode.

If no information about the caller's number was received, the display shows one of the following:

- **Unidentified** – no information is available.
- **Restricted** – the caller wants to withhold their the number.

**Note:** If you check a missed call within 24 hours, the time of the call is displayed. Otherwise, the time is replaced by the date. You can toggle between date and time by pressing \*.

### ➔ To clear missed call memory

To delete a number from the missed calls memory, press **CLR** when information about the call is shown, followed by **YES** at the **Erase?** prompt. To clear all from the memory, repeat for each missed call.

## Hiding or showing your number

With most subscriptions, your number is sent when you make a call. This means that the person you call can see your phone number. However, some service providers offer subscriptions where your phone number can be hidden.

You may alter the normal setting (according to your subscription) for a particular call.

**Note:** This feature is not available in Satellite mode, as Calling Line Identification is not supported.

### ➔ Hiding your phone number for a particular call

1. Enter the phone number.
2. Scroll to the **TOOLS/SPECIAL FUNCTIONS** menu and press **YES**.



3. Scroll to **Hide Id**.

4. Press **YES** to make the call.

### ➔ Show your number for a particular call

To show your number for one call only:

1. Enter the phone number you wish to call.
2. Scroll to the **TOOLS/SPECIAL FUNCTIONS** menu and press **YES**.



3. Scroll to **Send Id**.

4. Press **YES** to make the call.

## Changing the function during a call

You can perform several functions while engaged in conversation.

### ➔ Changing earpiece volume

To change the earpiece volume during a call:

- Press the top volume key on the side of the phone to increase the volume.
- Press the bottom volume key to decrease the volume.

### ➔ Muting the microphone

To mute the microphone temporarily during a call, press and hold the CLR key. **Mute** is shown in the display. To resume your conversation, release the CLR key.

## Using the display as a scratch pad

To enter a phone number during a call, key in the number using the numeric keys.

When you end the call, the number remains in the display. To call the number, press **YES**. You can also save it in the Phone Book (see 'Store a name and phone number' on page 56).

## Sending tone signals

In order to carry out telephone banking or control a phone answering machine, you need to send tone signals (also called DTMF or Dual Tone Multi-Frequency tones).

To send tone signals/codes during a call, press the appropriate keys (0-9, \* and #).

### ➔ Indicating a pause

To indicate a pause between two numbers:

1. Enter the numbers before the pause.



2. Select **TOOLS/SPECIAL FUNC**.

3. Select **Pause** and press **YES**.

4. Enter any additional digits and press **YES**.

### ➔ Sending DTMF tones in number with a pause

When dialling a number with pauses in standby mode, the first part of the number is sent as a telephone number. Any numbers after the pause are sent as DTMF tones. A three-second pause is generated for each pause sign. You can cancel the pause by pressing and holding **YES**.

### ➔ Sending DTMF tones during a call

Digits entered during an active call are automatically sent as DTMF.

### ➔ Sending digits from your phone book during a call

During a call, you can recall a phone book entry. A second call can be placed by pressing and holding the **YES** key.

**Tip:** You can also enter the code before you make the call or store it in the Phone Book. See 'Creating your personal phone book' on page 56.

## ➔ Tone sending failure



If the tone signal fails, the message **Tone sending Aborted** displays.

## Call forwarding (call divert)

The call forwarding service enables the IsatPhone to:

- Divert calls if you are already engaged in a call.
- Divert calls that you do not answer within 30 seconds.
- Divert calls if your phone is turned off or if you are unreachable.
- Divert all calls.

Your service provider will set up the call forwarding services that you require, as part of your subscription. Contact your service provider for details.

**Note:** Call forwarding is also known as call divert.

**Note:** Call forwarding settings are SIM card-dependent. If you enter a new SIM card into your phone, your service provider must re-enter the call divert numbers.

## Setting up call waiting

Your IsatPhone allows you to handle more than one call simultaneously. This means that you may hold a call that is in progress and make or answer a second call, and then switch between the two calls.

**Note:** In satellite mode make sure you have a full-strength satellite signal before you try to change or check your call waiting selection.

### ➔ Activate the call waiting service

To receive a second call, you must activate the call waiting service.



1. From the **CALLS** menu, select **Call waiting**.



2. Scroll to **Activate**, using the navigation key.

3. Press **YES** to activate the **Call waiting** service.

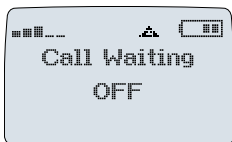
There may be a short delay before the network responds. In the meantime, the message **Please wait** is displayed. This is followed by the message **Call waiting ON**.

### ➔ Cancel the call waiting service

1. From the **CALLS** menu, select **Call waiting**.



2. Scroll to **Cancel**, using the navigation key.



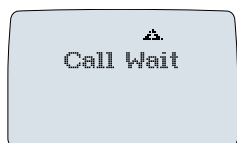
3. Press **YES**. **Call waiting** is cancelled

### ➔ Check call waiting status

You can check whether the call waiting service is on or not via the **Get status** option.

To check the status, select **Get Status** from the **CALLS/Call waiting** menu. The current status appears.

### ➔ Receiving a second call



If the **Call Waiting** function is activated, a tone sounds when a second call is received, and the message **Call Wait** appears.

- To end the current call and accept the waiting call, press **NO**. **Answer?** displays.
- To answer the waiting call, press **YES**.
- To put the current call on hold and accept the waiting call press **YES**. The message **1 on hold** displays.

### ➔ Reject waiting call

Press **0** followed by **YES** to reject the waiting call and continue the current call. The waiting call is cleared.

- If the caller's network supports it, the caller hears a busy tone.
- If **Divert On busy** is activated, the waiting call is diverted to the number you specified.

### ➔ Switching between two calls

Press **YES** to switch between the active call and the call on hold.

### ➔ Ending the current call.

1. Press **NO** to end the current call. The message **Retrieve held call?** displays and you hear a beep.
2. Press **NO** to end the held call, or press **YES** to return to the held call.

If you do not press **YES** or **NO** within three seconds, the message **Retrieve held call?** disappears from the display. The held call is then ended automatically.

## ➔ Receiving a third call

If your call waiting function is on, you may receive a third call when you are engaged in one call and have a second call on hold. You hear a tone and the message **Call Wait** appears in the display.

Only one call can be on hold at a time. If you wish to accept the third call, you must end one of the existing calls, or both.

- If you end one of the existing calls, press **YES** to accept the waiting call.
- If you end both calls, the phone rings and **Answer?** is displayed.

To answer the waiting call, press **YES**.

To reject the call, press **0** followed by **YES**. The third call is cleared. If the caller's network supports this function, the call hears a busy tone.

If **Divert On busy** is activated, the waiting call is diverted to the number you specified.

## ➔ Making a second call

While the first call is in progress:

1. Press **CLR** to clear the display.
2. Press **YES** to put the current call on hold.  
The message **1 on hold** is displayed.
3. Enter the number (or recall it from the phone book).
4. Press **YES**.

Or you may do the following instead:

1. Enter the number you wish to call while the first call is in progress.
2. Press **YES** to put the first call on hold and to make the call. The message **1 on hold** is displayed.



## Setting up conference calls

The conference call service allows you to have a joint conversation with up to four other people. You may put an individual or a group of conference members on hold while you add another person to the conference call. You may also put conference members on hold while you talk to someone privately.

### ➔ Initiating a conference call

To initiate a conference call:

1. Call the first person.
2. Press **YES** to put this person on hold.
3. Call the second person.
4. Press **3**, followed by **YES** to include the two people in conference.

You can put the conference group on hold and then add a third member by repeating steps 2 to 4. It is possible to add up to four members using the same method. Each person in the call is referenced by the sequence number in which they were added.

**Tip:** It is good to idea to write down each person and their number as they are added in case you want to release one of the members or have a private conversation with one of the members.

### ➔ Private conversations

If you wish to have a private conversation with one of the members in the conference call, you can put the other members on hold.

To do this:

1. Press **2**, then **YES**.
2. Press the number of the member you want to have a private conversation with. For example, if you wish to talk to the third person you brought into the conference, press **3**.
3. Press **YES**.

To join the member to the conference call again, press the number of the member and then **YES**.

### ➔ Releasing one of the members

To release one of the members in a conference call:

1. Press **1**.
2. Press the number of the member you want to release. For example, if you wish to release member number three, press the number **3** key.
3. Press **YES**.

### ➔ Making a call while a conference call is in progress

To make a call while participating in a conference call, do the following:

- Enter the number you wish to dial and press **YES**. The conference call is put on hold.
- To switch between calls, press **YES**.
- To end the new call and return to the conference call, press **1** and **YES**.

See 'Setting up conference calls' on page 50 for more details.

### ➔ Switching between a conference call and a held or waiting call

To put an active conference call on hold and accept a waiting call or a call on hold, press **2**, then **YES**.

### ➔ Ending a conference call

Press **NO** to end the conference call and disconnect all members.

## Setting up call barring

You can bar (restrict) all outgoing calls.



1. Select **Barring** from the **ACCESS** menu.

2. Scroll to **All outgoing calls** and press **YES**.
3. Press **YES** twice. Type in your password when prompted and press **YES** again.

You can also change your password for the Barring Feature.

1. Select **BARRING** from the **ACCESS** menu.



2. Scroll to **Change password**.

3. Press **YES**.
4. Enter your old password and press **YES**.
5. When prompted, enter your new password and press **YES**.
6. Enter your new password again to verify it, and press **YES** again.  
If you subscribe to this service, your service provider will give you a password.

**Note:** In satellite mode, make sure you receive a full-strength satellite signal before you try to change or check your call barring selection.

## Setting up call ID

If your subscription and the subscription of the person you are calling supports the caller ID service, that person's name and number will appear on your phone.

You can turn the caller ID function on or off for a particular call. See 'Hiding or showing your number' on page 43.

## About voicemail

Voicemail will be active by the end of 2007. For updated information, go to [inmarsat.com/isatphone](http://inmarsat.com/isatphone)

## Displaying call time information

You can display the call time for satellite calls (both incoming and outgoing). First you must set what type of information you want to display.

**Note:** Satellite mode does not display cost information.

To set the call information you want displayed:

1. For satellite calls, select **INFO/SAT** calls (but bear in mind that for satellite calls, no cost information is available).



2. Select **Call info** from the **SETTINGS** menu.



3. Select **Time:Outg** or **Time: All**.
  - **Time:Outg.** displays the duration of the outgoing calls.
  - **Time: All** displays the accumulated length of time of all calls.

4. Confirm your selection by pressing **YES**.

### ➔ Check call time

Before you can use this feature you must set **SETTINGS/CALL INFO** to **Time:Outg.** or **Time: All**.

To display call time, scroll to one of the following options from the **INFO** menu:

- **Last call.**
- **Tot calls.**

Press **YES** to confirm your choice.

## Using the calculator

The phone's built-in calculator allows you to add, subtract, divide, multiply and calculate percentages. An example of how to use the calculator follows. In this example you are going to divide 134 by 32.

1. Scroll to the **TOOLS/Calculator** menu and press **YES**.
2. Enter **134**.
3. Scroll with the navigation keys to the division sign (**/**), and press **YES**.
4. Enter **32**.
5. Press **#**, or scroll with the navigation key to the equal sign (**=**) and press **YES** to get the result.
  - To clear the display, press **CLR**.
  - To enter a decimal point, press **\***.
  - To multiply, press **\*** twice.

## Selecting answer mode

The sub-menu **Answering mode** includes two functions: **Any key** and **Auto**, which are useful when the phone is used with handsfree equipment.

### ➔ The any key function

If the phone is used with handsfree equipment in automatic answering mode, an incoming call is automatically answered after one ring signal.

To select automatic answering mode:



1. Select **ANSWER MODE** from the **SETTINGS** menu.

2. Choose **Any key** or **Auto**.
3. Press **YES** to change the setting (on or off) or **NO** to accept the default.
4. Press **YES** again to confirm your setting.

# The phone book

The phone book function lets you store and retrieve phone numbers. The phone book also keeps track of your last dialed numbers and, if you subscribe to the calling line identification service, the last answered number. When you receive a call and the caller's number is in the phone book, the name appears in the display.

## Before you start

Before you start creating your personal phone book, you need to know about the two memory areas, and how to store numbers with the international prefix.

## Using phone book memories

You can store the phone numbers in the following two places:

- **SIM card memory:** If you store your numbers in the SIM card memory, you can retrieve the numbers even when you change phones; just insert your SIM card into the new phone.
- **Phone memory:** If you store your numbers in the phone memory, your numbers are always available on your phone, even if you change SIM cards.

Your SIM card determines how many numbers you can store in the SIM memory and how long the numbers can be. You can store up to 99 phone numbers (1-99) in the phone memory.

In the phone book menu, press # to enter the phone character. Outside the phone book menu, press and hold down # to enter the phone character.

Fifteen of the numbers can be 80 digits long. The rest can be 20 digits long. You can attach 12-character-long names to all numbers stored in the SIM card memory. You can store 18 characters in the phone memory.

## Entering characters

To enter names with the phone numbers:

- Press the appropriate key, 1-9, 0 or #, repeatedly (without pausing) until the desired character appears in the display.
- Pause until the display moves along by one character, then press the next key.

Press	To get...
1	Space - ? ! , . : ; " ' < = > ( ) _ 1
2	A B C Å Ä Æ à Ç 2
3	D E F è é Ê Ë 3 Δ
4	G H I ì 4
5	J K L ^ 5
6	M N O Ñ Ø Ò 6
7	O P Q R S ß 7 Σ
8	T U V Ü ü 8
9	W X Y Z 9
0	+ & @ / π % \$ £ ¥ § ¨ ¡ 0 Θ Ξ Ψ Ω
*	* p 1
#	# *

The pause function can be used by pressing the asterisk key for two seconds. This function will not work when in text editing mode.

For example, to enter the character:

- A, press 2 once.
- B, press 2 twice.
- 2, press and hold down 2.

**Note:** If you pause for more than 4 minutes after entering a character, the phone stores the data entered so far and returns to standby.

### ➔ Enter lowercase letters

Enter the letter, for example an 'A', and then press \*. An 'a' appears. All letters appear in lowercase until you press \* again.

### ➔ Check the first character

If you enter more characters than can be seen in the display, the first characters are replaced by the left arrow symbol. To check the first characters you entered, scroll to the left.

## Creating your personal phone book

You can create a personal phone book containing the phone numbers you dial most often and the name associated with the numbers. You can easily retrieve the numbers by name or memory location.

### ➔ Store a name and phone number

1. Press the left navigation key to access the phone book menu, and press YES.
2. Press the right navigation key until **Store** displays, and press YES.  
**Name:** appears.

3. Enter a name, using the keypad key to enter characters, as described in 'Entering characters' on page 55. Press **YES**.
4. Enter a number.

You now have four **SAVE** options:

- To save the number in the card memory, in the first empty position (displayed in the top right-hand corner), press **YES**
- To save the number in the card memory in a position you select:
  1. Press the right navigation key.
  2. Enter the position number.
  3. Press **YES**.
- To save the number in the phone memory in the first empty position:
  1. Press the right navigation key.
  2. Press the **#** key twice.
  3. Press **YES**.
- To save the number in a specific phone memory position:
  1. Press the right navigation key.
  2. Press the **#** key once.
  3. Enter the position number.
  4. Press **YES**.

**Tip:** If you enter a number in the scratch pad during a call, store it in the phone book by selecting **store** from the phone book menu while the number is displayed.

## ➔ **Overwrite protection**

If you try to store a phone number in a position which already contains a number, the message **Used Overwrite?** appears. You then have the following options:

To store the number in a different position:

1. Press **NO**.
2. Enter the new position number.
3. Press **YES**.

To store the number in the selected position, thus deleting the old number, press **YES**.



### ➔ When the memories are full

- If all the positions in the card memory are full, a position number is suggested.
- If both memories are full, no position number is suggested.

To store the phone number:

1. Enter the number of an occupied position. **Overwrite?** displays.
2. Press **YES** to overwrite the old number.

### ➔ Store a number with a tone signal code

In order to carry out telephone banking or control a phone answering machine, you need to use codes sent as tone signals (also called DTMF or Dual Tone Multi-Frequency tones).

Anything entered after a pause is sent as DTMF tones from the Phone Book.

To store the number and code in your Phone book:

1. Access the Phone book and select **Store**.
2. Enter the phone number (see 'Store a name and phone number' on page 56).
3. Press and hold the \* key until the pause character 'p' appears.
4. Enter the code. If needed, insert another pause and another code.
5. Save the number to a memory as described in 'Store a name and phone number' on page 56.

## Recalling a phone number

You can retrieve a phone number in several different ways, depending on how it is stored in your phone.

### ➔ The speed dialling function

Store important numbers in positions 1-9 in the card memory. You can use the Speed Dialling Function to dial them quickly by pressing the appropriate memory number.

**Example:** to call someone whose number is stored in position 3 in the card memory:

- Enter **3** and press **YES**.

## ➔ Recalling a phone number using the name:



1. From the Phone Book menu, select Name RECALL.

2. Enter the name you want to recall (or the first letters of it) using the numeric keys. (See 'Entering characters' on page 56.) You do not have to enter the entire name.

3. When the correct name appears, press YES.

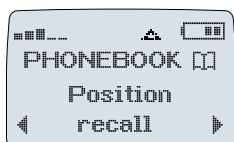
If the display name is not the one you want, press the navigation key repeatedly until you find the correct name and number. Names are listed alphabetically.

4. Press YES to make the call.

**Shortcut:** Press LEFT from the empty standby display, enter the name, and press YES.

## ➔ Recalling a phone number using the position

If you know the memory position of a phone number, you can recall the number using the position number.



1. From the PHONEBOOK menu, select Position recall.

2. Enter the position of the stored number.

- For card memory, enter the position number.
- For phone memory, press and hold down the # key until the icon appears and then enter the number.

3. Press YES to confirm.

The name and phone number appears.

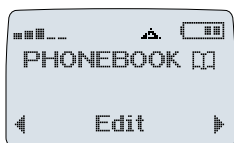
If you enter the wrong position number, press the navigation key repeatedly until you find the correct phone number.

4. To call the number, press YES.

## ➔ Keeping your phone book up to date

- You can change the names and numbers in your Phone Book, or add and delete entries as needed.
- You can edit an entry in the Phone Book.
- You can access the Phone Book entry you wish to edit by using either the storage position number or the name.

To edit the entry using the position number:



1. From the **PHONEBOOK** menu, select **Edit**.

2. Enter the position number, as follows:

For a position in the card memory:

- a. Press the left navigation key.
- b. Enter the memory position number.

For a position in the phone memory:

- a. Press and hold down the **#** key until the character appears and then enter the number.
- b. Press **YES** to select the entry. The name, phone number, and storage position appears.
- c. Select the row you wish to edit. Position the cursor to the right of the text or number you wish to edit.

Edit the row by:

- pressing the **CLR** key to delete letters or digits.
  - pressing the numeric keys to enter letters or digits.
- d. Press **YES** to save the changes.

## ➔ Edit the entry using the name



1. From the **PHONEBOOK** menu, select **Edit**.

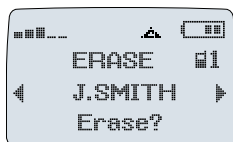
2. Press the **LEFT** navigation key. **Find name** appears in the middle row.
3. Enter the name for the entry you wish to edit, using the numeric keys.
4. Press **YES** to select the entry.

**Tip:** When you edit using the name, you cannot scroll between the entries. Only the first match appears. Instead, recall the number by using the name to check the storage position, and then edit using the storage position.

## ➔ Erase a phone number

To erase an entry in the phone book:

1. Recall the number by entering the name or position.



2. Press and hold **CLR**. The message **Erase?** is displayed.

3. Press **YES** to erase the entry.

**Note:** You can also select **Erase** from the **PHONEBOOK** menu, enter the storage position, and press **YES**. The entry is then displayed, with the **Erase?** prompt. Press **YES** to erase the number.

To erase all numbers from the phone memory (not possible from the card memory):



1. From the **PHONEBOOK** menu, select **Erase all from phone**.

2. Press **YES**.
3. The number of phone entries appears in the display. Press **YES**.

## ➔ Copying between positions and memories

As you fill up the Phone Book memories, you might want to move entries from one memory to another or between positions.

## ➔ Copying all from card memory to phone memory



1. From the PHONEBOOK menu, select COPY ALL.

2. Scroll to Card Phone and press YES.
3. Enter the number of the first position in the card memory you wish to copy and press YES.
4. Enter the number of the first position in the phone memory you wish to copy to and press YES.
5. Press YES to start copying.

## ➔ Copying all from phone memory to card memory

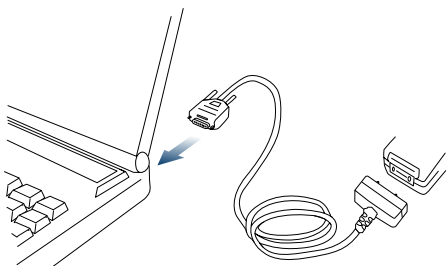


1. From the Phone Book menu, select COPY ALL.

2. Scroll to the option you want and press YES.

# Communicating via modem

You can expand your communication possibilities by connecting your phone to a computer with a modem.



## Making data calls

To be able to use data communication services you need the following:

- A soft modem.
- The appropriate software, such as an email program or an internet browser.

Contact your service provider for advice on recommended software.

You must have a subscription to these services. Check with your service provider. Most phone network operators require that you have a separate data subscription. The default setting for the **SETTINGS/Data menus** is off for all phone modes. Inmarsat provides separate phone numbers for this service.

When a data call is in progress, the phone displays the call type **Data**.

## ➔ Software-initiated fax and data calls

Fax and data calls are initiated from your computer.

To make a call, do the following:

1. Connect your computer to your phone.
2. Start the software program on your computer.
3. Follow the software prompts.

**Note:** Make sure that you have selected the phone modem.

## Communicating via modem - Satellite mode

In satellite mode you can connect your phone to a computer to send and receive email messages, browse the internet and much more.

### ➔ Making fax or data calls

**Note:** You cannot use a conventional fax machine with the IsatPhone. You can only use appropriate fax software. For a list of recommended fax software solutions, refer to the Inmarsat web site.

To make a fax or data call, initiate the call from your computer software. See 'Software-initiated fax and data calls' on page 63.

### ➔ Receiving fax and data calls

If your network and subscription support multi-numbering, the phone displays the type of incoming call. There are two possible types apart from speech calls:

- Fax calls
- Data calls

To receive a fax or data call:

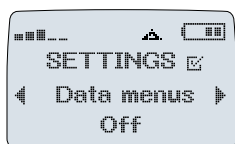
1. Connect your computer to the phone.
2. Answer the call from within the software program (if it does not answer automatically).

### ➔ Data menus

Some of the features described in this section require the **Data menus** option in your phone be turned on.

To turn **Data menus** on:

1. Go to the **SETTINGS** menu.



2. Scroll to **Data menus**.

The current status (On or Off) appears.

- If **Off**, press **YES**.
- If **On**, press **NO** to exit the menu.

# Using the GSM service

Refer to 'Setting up your IsatPhone' on page 8 for details on installing the SIM card and battery, attaching the antenna and turning the phone on.

If you installed a GSM SIM card, many of the services described in this guide are available to you. This section explains the additional settings required to use the GSM network service.

## Setting GSM search preferences

You can set a default search pattern for a GSM network. Your phone uses this search pattern to find a GSM network each time you turn your phone on. You only need to do this once unless you want to change your defaults.

You must be in GSM mode to set GSM search options. To do this:



1. From the **NETWORKS** menu, select **Search opt GSM**.

2. Press **YES**.
3. Scroll to **Search mode (...)**, where ... is the current setting.
4. Press **Yes**.





5. Select one of the following search modes, and then press **YES**.

- Auto.
- Manual

## ➔ Searching for a specific GSM network

You can set up the IsatPhone to search for a specific GSM network. You must be in GSM mode to set GSM search options. To do this:



1. Scroll to **NETWORKS/Search opt GSM** and press **Yes**.



SEARCH OPT/Select net displays:

2. Press **YES**. The list of GSM networks displays.
3. Scroll through the list of networks until the network you want to use is displayed.
4. Press **YES** to search for this network.

## Selecting answer mode

The sub-menu **Answering mode** includes two functions: **Any key** and **Auto**, which are useful when the phone is used with handsfree equipment.

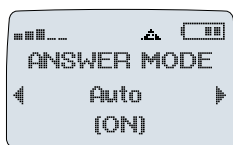
## ➔ The any key function

If the any key function is turned on, you can answer an incoming call by pressing any key except the **NO** key.

## ➔ The auto function

If the auto function is on, an incoming call is automatically answered after one ring signal.

To select automatic answering mode:



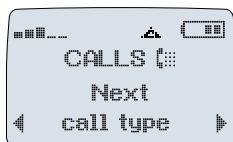
1. Select **ANSWER MODE** from the **SETTINGS** menu.

2. Choose **Any key** or **Auto**.
3. Press **YES** to change the setting (**ON** or **OFF**) or **NO** to accept the default.
4. Press **YES** again to confirm your setting.

## Setting next call type

This option is valid only if you have a single number for both speech and data/fax services. If someone is sending a fax or data to you they may call (speech call) you first to alert you so you can be prepared to receive the call. This lets you connect your phone to a computer for a fax or data call.

You can set the order in which you wish to receive calls, no matter which type is sent first, with the **Next call type** option.



You must have the same phone number for both voice and non-voice services, and data services must be detected on your SIM card. Also, **SETTINGS/Data menus** must be on.

From the **CALLS/Next call type** menu select:

- Speech
- Speech/Fax
- Fax/Speech
- Fax
- Data

**Tip:** If you expect two calls to arrive close together, with a speech call followed by a fax call, select **CALLS**, then **Next call type**, then **Speech/Fax**.

## Checking GSM call cost

This function may not be available on all GSM SIM cards, as it is service provider dependent.

In GSM mode, you can check the cost of the last outgoing GSM call or the accumulated cost of all outgoing GSM calls. You can also change the call cost per unit and store credit card numbers.

First you must turn the Call Cost feature on by selecting **SETTINGS/ CALLINFO/COST** and pressing **YES**.



1. From the **INFO** menu, select **GSM calls**.
2. Press **YES**.
3. Press **Last call** or **Tot calls**.
4. Press **YES**.

# Sending and receiving text messages

Text messaging (SMS) is available in GSM mode only. You can, however, read, compose and save messages in satellite mode. You can retrieve and send them when you go into GSM mode.

Text messaging allows you to send and receive text messages consisting of up to 160 characters.

Text messages can be received when the phone is in standby mode, when you are engaged in a call, or when incoming calls are forwarded to another phone number. If your phone is turned off when a message is sent, a notifying message is displayed shortly after the phone is turned on.

## Using the phone memories

Your phone has two memories where text messages can be stored: the Messages memory and the SIM card memory.

## ➔ Using the messages memory

If you do not want to read an incoming message at once, it is automatically stored in the messages memory. If there are any unread incoming messages in the messages memory, a letter icon (✉) is displayed.

The messages memory can hold up to 15 messages. When all memory positions are occupied, the oldest read message will be overwritten when a new message is received.

If the messages memory becomes full with unread messages, new messages are automatically stored in the SIM card memory. If the SIM card memory becomes full, the letter icon (✉) starts blinking.

Messages remain in the messages memory until you erase them, insert a different SIM card, or until read messages are overwritten by new messages. (See 'Erase a phone number' on page 61.)

## ➔ Using the SIM card memory

If you receive an important message and want to make sure it is not erased from the messages memory, you can store it on your SIM card. Messages that are saved in the SIM card memory remain there until you erase them, even if you transfer your SIM card to another phone.

## ➔ Setting up the phone for text messaging

In order to reply to received messages, you will need the phone number to your service centre. If this cannot be retrieved from your SIM card, you must specify the number yourself.



1. From the **MAIL** menu, select **Send message**.

2. Scroll to **SEND MESSAGE/Options**. Press **Yes**.
3. Scroll to **Serv center**.
  - If the phone number of your service centre is displayed, go to step 4.
  - If there is no number in the display, or an incorrect number, press **YES** and enter the number of the service centre, including the international prefix, if necessary.
4. Press **YES**.
5. Press **CLR** to return to standby mode.

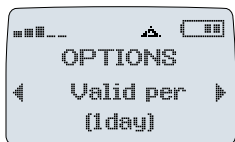
Your phone is now ready to send and receive messages.

**Note:** Some network operators may only allow text messages to be sent within their own network.

## ➔ Setting duration of message

If your message cannot be delivered, you can instruct your service centre to repeat the message every hour, every 12 hours, once a day, once a week or the maximum period (determined by your service provider). To do this:

1. From the **MAIL** menu, select **Send Message**.
2. Scroll to **Options**, and press **Yes**



3. To select the **Valid per** option, press **YES**

4. Scroll to the duration you want and press **YES**.

## Sending, receiving and managing messages

This section explains how to send, receive and manage text messages on your IsatPhone.

### ➔ Sending a message

To send a message:



1. From the **MAIL** menu, select **Send message/New**.

2. Press **Yes**. An empty display appears.
3. Enter your message (see 'Entering characters' on page 55). You can scroll through the message text and erase or insert characters.  
**Note:** If there is a pause of more than 60 seconds between entering characters, the phone returns to the standby menu.
4. Press **YES**. **Request reply?** displays. If you want to request that the recipient reply to the message, press **YES**. If not, press **NO**.
5. Enter the recipient's phone number, or retrieve it from the phone book.
6. To send the message now, press **YES**. The message is sent.

To store the message for later use, press **NO**. The message is now stored in the messages memory.

**Note:** Reply and Send are not available in satellite mode.

## ➔ Reading a message

When you receive a message, you hear a beep and see a message in the display. The indicator light on the top of the phone blinks green rapidly.

- If you want to read the message at once, press **YES**. You will see the last 7 digits of the telephone number of the sender and when the message was received.

Scroll through the message using the navigation keys. The Right arrow takes you forward and the Left arrow takes you back through the message.

- If you want to read the message later on, press **NO**. The message is stored in the Messages memory and a letter icon is shown to the left at the bottom of the standard display. Press **NO** to return to the idle display.
  - **New** indicates a new unread message.
  - If the message is older than 24 hours, the time is replaced by the date the message arrived. However, you can toggle between the date and time by pressing the \* key.

The message **Reply?** displays after the last line of the message. If the caller wants you to reply, the display message says **Reply Requested, Reply?** (provided your network supports this).

## ➔ Replying to a message

To reply to a message:

1. At the prompt **Reply?**, press **YES** (if you do not want to reply, press **NO**).
2. To enter your message, refer to 'Sending a message', above.

If there is a phone number in the message you receive, you can call it by simply pressing **YES**. After the number has been called, the message is considered read and remains in the Messages memory.

## ➔ Including embedded numbers in text messages

When sending a message to another mobile phone, or when asking someone to send a message to your phone, follow the guidelines listed below to ensure that the phone retrieves the entire number from the message, displays it, and allows you to dial the number by pressing **YES**.

**Note:** Your phone is only capable of receiving numbers embedded in a message if the network operator has activated the service.

**Note:**

- Do not include spaces or non-numeric characters such as hyphens in the number. If a number is received that has spaces separating parts of the number, such as 001 919 555 1212, only 001 will be dialed. Numbers separated by hyphens will not be recognized as valid numbers.
- A phone number enclosed within double quotation marks has the highest probability of being recognized (e.g. "0019195551212").
- Always use the international number format of **00**, then the country code, area code (without the leading zeros), and phone number.

**Note:** If the number embedded in the text message matches a phone book entry, a name is associated with it.

Press **YES** to call the embedded name/number. If there are multiple numbers in the display, the first number is dialed.

### ➔ Erasing a message

If you do not want to reply to a message:

1. Press **NO**. The message **Erase?** displays.
2. To erase the message from the message memory, press **YES**. The next message in the message list displays.

**Note:** You can press **CLR** anywhere within the messages menu to erase a message. When **Erase?** displays, press **YES**.

### ➔ Storing a received message

All incoming messages are stored temporarily in the messages memory until the memory space is needed for new messages. If you receive a message that you want to store safely, you can store it in the SIM card memory.

When you reach the end of the message, **Erase?** displays.

1. Press **NO**. The message **Store?** appears.
2. To store the message in the SIM card memory, press **YES**. The message is automatically erased from the messages memory.


The display now shows the position of the message. For example, if it is the third of five.

If you do not want to store the message in the SIM card memory, press **NO**. The message remains in the phone's message memory.

## ➔ Reading a stored message

To read a stored message:

1. From the **MAIL** menu, select **Read messages** and press **YES**.
2. Scroll to the message type you are looking for:
  - **New** (unread)
  - **Old** (read)
  - **Sent**
  - **ToSend** (unsent)
3. Press **YES**.

If there is a  in front of the message, the message is stored on the SIM card.

## ➔ Calling a phone number in the message

If a message contains a phone number, you can call it by pressing **YES** while it is displayed.

After the number has been called, the message is considered read and remains in the message memory.

## ➔ Managing frequently used messages

If you have one or more standard messages that you use regularly, you can store it/them on the SIM card, to be re-used whenever you want (Inmarsat recommends that you do not store standard messages in the messages memory, as they may be deleted when the memory is full).

After initially saving the message in the messages memory, do the following:



1. From the **MAIL** menu, select **Read messages** and press **YES**.

The messages saved in your messages memory appear.

2. Scroll to the message you wish to store in the SIM card memory and press **YES**.
3. Scroll to the end of the message. **Erase?** displays.
4. Press **NO**. **Store?** displays.
5. Press **YES**.

The message is stored in the SIM card memory if there is storage space available.



## ➔ Sending a stored message

To retrieve and send a stored message:

1. From the **MAIL** menu, select **Send message**. **New** displays (press **YES** if you want to enter a new message).
2. If you want to send an existing message, scroll from **New** to the unsent messages; these are shown with the queued mail icon (☐).
3. Scroll to the message you wish to send and press **YES**. If required, you can edit your message.
4. When the message is ready to be sent, press **YES**. **Request reply?** displays.
  - If you want the person you called to reply to the message, press **YES**.
  - If not, press **NO**.
5. Enter the phone number, or retrieve it from the phone book.
6. Press **YES** to send the message.

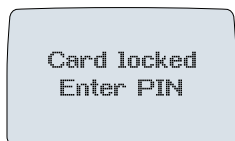
# Security

Your phone is protected by two locks:

- A PIN code and, in some cases, a PIN2 code for the SIM card.
- A phone lock code for the phone itself.

## Using the SIM card lock

When you purchase your phone, you receive a PIN code (Personal Identity Number) that is used to unlock your SIM card if your SIM card is locked. Every time you turn the phone on, you are prompted to enter the PIN code.



1. Enter the PIN Code.

2. Press **YES**.

## ➔ Locking the SIM card

You can lock your SIM card to prevent unauthorised use of your phone.

To lock the SIM card:



1. Select **Lock card** from the **ACCESS** menu.

2. Press **YES**.

3. Enter your PIN code and press **YES**. The message **Locked** confirms that the card lock is now activated.

**Note:** This function only applies if your subscription allows you to deactivate the card lock.

## ➔ Unlocking the SIM card

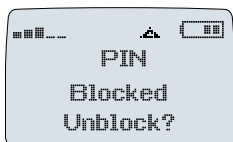


To unlock the SIM card, select **Unlock card** from the **ACCESS** menu.

1. Press **YES**.

2. Enter your PIN code and press **YES**. The message **Unlocked** confirms that the card lock is now deactivated.

## ➔ PIN blocked



If you enter your PIN code incorrectly three times in succession, the PIN is blocked. This is indicated by the message **PIN Blocked/Unblock?**

Should this happen, you need to unblock the SIM card as follows:

1. Press **YES**.

2. Enter your PUK (or PUK2) code (look in the information from your network operator).

3. Enter a new 4-to-8 digit PIN (or PIN2) code and press **YES**.



4. Re-enter the new PIN (or PIN2) code to confirm it and press **YES**.

**Caution:** if you enter the wrong PUK code ten times in succession, your card will be permanently blocked. If this happens, contact your service provider for a new SIM card.

### ➔ Changing the PIN code

You should change your PIN code on a regular basis to prevent unauthorised use of your subscription. To change your PIN code:



1. From the **ACCESS** menu, select **Change PIN code**.



2. Enter the old (current) PIN code and press **YES**.



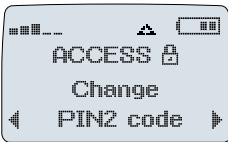
3. Enter the new PIN code and press **YES**.



4. At the prompt **Repeat New PIN** enter the new PIN a second time to verify it.
  - The message **New PIN** confirms that the PIN code has been changed.
  - If the message **Matching error** displays, the new PIN was entered incorrectly.
  - If the message **Wrong Pin** displays, followed by **Enter Old PIN** the old PIN was entered incorrectly.

## ➔ Changing the PIN2 Code

Depending on the network you use, some services require a second PIN code, the PIN2 code. If your SIM card allows it, you can change your PIN2 code.



1. Select **Change PIN2 code** from the **ACCESS** menu.

2. Follow the same procedure as described in 'Changing the PIN code' on page 76.

## Using the phone lock

The phone lock protects your phone against unauthorised use in the event of theft. It is independent of the SIM card lock. When turned on, the phone checks the phone lock after the SIM card lock has been checked and only if the SIM card is unlocked. The phone lock is not activated when you purchase the phone.

As soon as possible you should do the following:

- Activate the phone lock.
- Change the factory-programmed security code to any 3-to-8 digit personalised code.

There are two ways of locking your phone:

- Full lock.

If full lock is activated and the phone turned on, the message **Phone locked** is displayed, then the prompt **Enter lock code**. Enter your security code and press **YES**.

- Autolock.

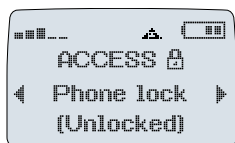
If the autolock is activated, you must enter your security code every time the SIM card is replaced. You will be prompted for the code.

### ➔ Changing the security code

From the **ACCESS** menu, select **Phone lock/Change code** and follow the same procedure as that for changing the PIN code.

### ➔ Locking and unlocking the phone

1. From the **ACCESS** menu, select **Phone lock** and press **YES**.



2. Select the current setting **Locked/Unlocked** and press **YES**.



3. Press the navigation keys to select **Locked/Unlocked, Full lock** or **Autolock**.

4. Enter your lock code and press **YES**.

**Note:** If you forget your lock code, contact your service provider.

## Using the key lock

The key lock feature helps you to avoid accidental dialling. A key icon in the display informs you that the keypad is locked.

If the phone's alarm sounds, you can turn it off by pressing any key.

To lock the keypad:



1. From the **ACCESS** menu press **YES**. **Keylock On?** is displayed.

2. Press **YES** to activate the key lock.



If you press a key while the keypad lock is on, **Keylock/Enter to unlock** is displayed. Press the left navigation key to unlock the keypad, followed by **YES**.

## Using calling card security

To change calling card security codes:



1. From the **ACCESS** menu, select **Call cards security** and press **YES**.

2. Enter your security code and press **YES**.



3. Scroll to **Change code** and press **YES**.

4. Enter your new code and press **YES**. The code can consist of four to eight digits.

5. When **Repeat new code** appears in the display, re-enter the new code, then press **YES** to confirm. Your security code has now been changed.

# Guidelines for safe and efficient use

Your IsatPhone is a highly sophisticated electronic device. To get the most out of it read this text about product care, safety and efficient use.

## Product care

- Do not expose your phone to liquid or moisture.
- Do not expose your phone to extreme hot or cold temperatures.
- Do not expose your phone to lit candles, cigarettes, cigars, open flames, etc.
- Do not drop, throw or try to bend the phone since rough treatment could damage it.
- Do not paint your phone as the paint could obstruct the earphone, microphone or any moveable parts and prevent normal use.
- Do not attempt to disassemble your phone, a broken warranty seal will void the warranty. The phone does not contain consumer serviceable components. For service information contact Inmarsat, your service provider or retailer from where the phone was purchased.

Treat your phone with care; keep it in a clean and dust free place. Only use a soft damp cloth to clean your phone.

## Antenna care

- To avoid impaired performance, please ensure that your phone's antenna is not bent or damaged.
- If your phone's antenna is damaged, contact your service provider.
- Unauthorised antenna modifications or attachments could damage the phone and may violate the appropriate regulations causing loss of performance and radio frequency (RF) energy above the recommended limits.

## Efficient phone operation

To enjoy optimum performance with minimum power consumption, please:

- Hold the phone as you would any other telephone. While speaking directly into the mouthpiece, angle the antenna in the direction of the satellite. The antenna should be extended during the call.
- Do not hold the antenna when the phone is in use. Holding the antenna affects call quality, may cause the phone to operate at a higher power level than needed and shorten talk and standby times. If your phone is equipped with an infrared eye, never direct the infrared ray at anyone's eye and make sure that it does not disturb any other infrared units.

## Radio frequency energy

Your phone is a radio transmitter and receiver. When the phone is turned on, it receives and transmits radio frequency (RF) energy. Depending on the type of phone you possess, it operates on different frequency ranges and employs commonly used modulation techniques. The system that handles your call when you are using your phone controls the power level at which your phone transmits.

**Note:** Deploying the antenna in one of the three upward positions improves the performance of the phone, and minimises your exposure to radio frequency (RF) energy.

## Exposure to radio frequency energy

The international Commission on Non-Ionising Radiation Protection (ICNIRP), supported by the World Health Organisation (WHO), published during 1996 a statement and in 1998 guidelines which set recommended limits for exposure to RF fields from handheld mobile telephones. According to the ICNIRP statement, which is based on the available body of research, there is no evidence that mobile terminals meeting the recommended limits can cause any adverse health effects. The IsatPhone conforms to the ICNIRP guidelines and other international exposure standards such as:

- CENELEC European Pre-standard ENV50166-2:1995 (Europe).
- ANSI/IEEE C95.1-1992 (USA, Asia-Pacific).
- AS2772.1 – 1990/NZS 6609.1:1990, Amdt. No.1 (Australia, New Zealand)



## Electronic devices

Most modern electronic equipment, for example equipment in hospitals and cars, is shielded from RF energy. However, certain electronic equipment is not. Therefore: Do not use your IsatPhone near medical equipment without requesting permission.

Your IsatPhone may affect the operation of some implanted cardiac pacemakers and other medically implanted equipment. Pacemaker patients should be aware that the use of an IsatPhone very close to a pacemaker might cause the device to malfunction. Avoid placing the phone over your pacemaker, ie. in your breast pocket. When using the phone, place it at your ear opposite the pacemaker. If a minimum distance of 15cm is kept between the phone and the pacemaker, the risk of interference is limited. If you have any reason to suspect the interference is taking place, immediately turn off your phone. Contact your cardiologist for more information.

Some hearing aids may be disturbed by your IsatPhone. In the event of such disturbance, you may want to contact your local service provider to discuss alternatives.

## Aircraft

- Turn off your IsatPhone before boarding any aircraft.
- Do not use it on the ground without crew permission.

To prevent interference with communications systems, you must not use your phone while the plane is in the air.

## Blasting areas

Turn off your phone when in a blasting area or in areas posted 'turn off two-way radio' to avoid interfering with blasting operations. Construction crews often use remote control RF devices to set off explosives.

## Potentially explosive atmospheres

Turn off your phone when in any area with a potentially explosive atmosphere. It is rare, but your phone or its accessories could generate sparks. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fuelling areas, such as petrol stations, below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

Do not transport or store flammable gas, liquid, or explosives in the compartment of your vehicle containing your phone and accessories.

## Power supply

- Connect AC (Power supply) only to designated power sources as marked on the product.
- To reduce risk of damage to the electric cable, remove it from the outlet by holding onto the AC adapter rather than the cable.
- Make sure the cable is positioned so that it will not be stepped on, tripped over or otherwise subjected to damage or stress.
- To reduce the risk of electric shock, unplug the unit from any power source before attempting to clean it.
- The charger must not be used outdoors or in damp areas.

## Children

Do not allow children to play with your IsatPhone phone. It contains small parts that could become detached and create a choking hazard.

## Battery information

### ➔ New batteries

Your mobile phone comes with a nickel metal hydride (NiMH) battery. The battery supplied with your phone is not fully charged.

Inmarsat recommends that you charge the battery overnight before first use.

See 'Installing the battery' on page 10 for details on installing and charging the battery.

### ➔ Battery use and care

A rechargeable battery has a long service life if treated properly. A new battery, or one that has not been used for a long period of time could have reduced capacity the first few times it is used.

### ➔ Memory effect

Proper care of a NiMH battery over its lifetime can reduce the so-called 'memory effect'. Memory effect occurs when a battery only uses the cells that are fully discharged and recharged on a regular basis. To minimise memory effect, fully discharge and recharge the battery at least once every 3 - 5 charges.

- The talk and standby times depend on the actual transmission conditions when using the phone.
- Use only Inmarsat approved batteries and the AC/DC adapter supplied with your battery charger.
- Do not expose your battery to extreme temperatures, never above 60°C (140°F). For maximum battery capacity use your battery at room temperature. If the battery is used in cold temperatures the battery capacity will be reduced.
- The battery can only be charged when the temperature is between 5°C (41°F) and 45°C (113°F).
- Turn off your phone before removing the battery.
- Do not attempt to take the battery apart.
- Do not let the metal contacts on the battery touch another metal object. This could short-circuit and damage the battery.
- Do not expose the battery to open flames. This could cause the battery to explode.
- Do not expose the battery to liquid.
- Do not use the battery pack if it shows signs of rust, overheating, leakage or changes in colour or shape.
- Do not puncture the battery pack or expose it to strong shock.
- Only use the battery for its intended purpose.
- Do not allow the battery to be placed into the mouth. Battery electrolytes may be toxic if swallowed.

### ➔ Recycling your battery

Your phone manufacturer is a member of the Rechargeable Battery Recycling Corporation (RBRC), a non-profit public service organisation designed to assist in the recycling of rechargeable batteries. Many areas require recycling of rechargeable batteries. To find out how to recycle your battery, contact your local retailer for recycling instructions.

### ➔ Please Note!

Some of the services mentioned in this manual are not supported by all networks or by all service agreements. Please contact your network operator or service provider if you are in doubt as to whether you can use a particular service or not.

# Indicators in the display

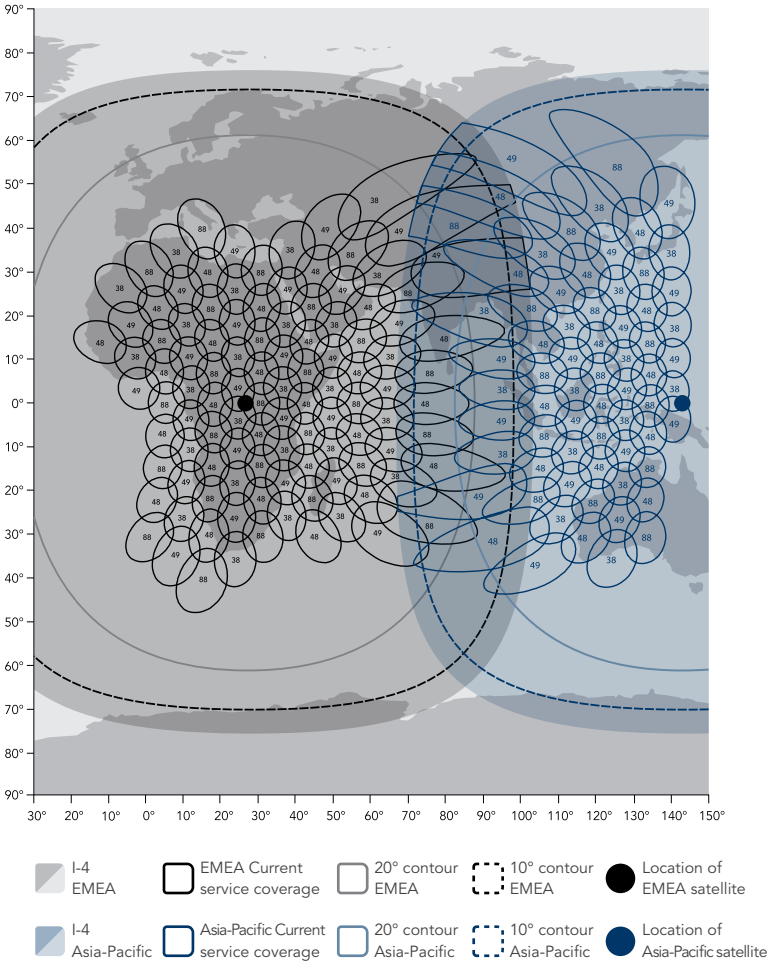
Symbol	Indicates condition	Symbol	Indicates condition
	Battery empty		Network signal (none)
	Battery strength		Network signal strength
	Battery strength		Network signal strength
	Battery strength		Network signal strength
	Battery full		Network signal (full)
	Battery charging		Scroll text down
	Access		Scroll text up
	Network		Silent ring
	Keylock		GSM to GSM#
	Phone memory		Scroll for selections
	Limited sat service		Scroll for selections
	Full sat service		Alarm set
	No sat service		All calls divert on
	Timer		Calls
	Settings		Phone book
	Scroll text left		Voicemail
	Scroll text right		Unsent (queued) mail
	SIM card memory		New mail
	Roaming		
	Info		

# Service dependent on your GSM provider.

# List of terms

Term	Function/Description
CFU	Call Forwarding Unconditional.
CLIP	Call Line Identification Presentation.
CLIR	Calling Line Identification Restriction.
CSP	Customer Service Profile.
DDM	Dialled-Digits Memory.
DTMF	Dual Tone Multifrequency
EEPROM, E2	Electrically Erasable Programmable Read-Only Memory.
ESN	Electronic Serial Number.
ETSI	European Telecommunications Standard Institute.
FDN	Fixed Dialling Numbers.
HPA	High Penetration Alert.
PLMN	Public Land Mobile Network.
PSMN	Public Satellite Mobile Network.
PUK	Personal Unblocking Key.
RSSI	Received Signal Strength Indicator.
SAT	Satellite system mode, refers to Inmarsat.
SAT mode	The phone is searching for, or has acquired a satellite network.
SIM	Subscriber Identity Module.
SS	Supplementary Services.

## Channel number map



This map depicts Inmarsat's expectations of coverage post repositioning of its I-4 satellites. Outside the 20 degree contour line shown above, greater care may be required by the user to obtain service, depending on local topography and product used. Inmarsat will not guarantee service outside the 10 degree coverage area shown. Please refer to [inmarsat.com/coverage](http://inmarsat.com/coverage) for further information on timescales.



## [inmarsat.com/isatphone](http://inmarsat.com/isatphone)

Whilst the above information has been prepared by Inmarsat in good faith, and all reasonable efforts have been made to ensure its accuracy, Inmarsat makes no warranty or representation as to the accuracy, completeness or fitness for purpose or use of the information. Inmarsat shall not be liable for any loss or damage of any kind, including indirect or consequential loss, arising from use of the information and all warranties and conditions, whether express or implied by statute, common law or otherwise, are hereby excluded to the extent permitted by English law. INMARSAT is a trademark of the International Mobile Satellite Organisation, the Inmarsat LOGO is a trademark of Inmarsat (IP) Company Limited. Both trademarks are licensed to Inmarsat Global Limited. © Inmarsat Global Limited 2009. All rights reserved. IsatPhone user guide January 2009.