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G310 Keypad layout



List of keys



Softkeys or selection keys.

Perform the functions indicated by the text above it.



End, On/Off key. Press and hold to turn the phone on or off.

Press to end or reject a call.

Press while in menus to go back to the standby display.



Send key. Press to make or answer a call.

Press in standby display recalls last dialed numbers.



Express Key.

Press left to view Phone Book entries or return to previous display.

Press right to enter main menu and/or select a feature from list.

In conversation, press up or down to adjust volume.

Press up to scroll up the menus. In standby, press to enter volume control menu.

Press down to scroll down the menus. In standby, press to enter alert tones setting.

Moves the cursor through the displayed text in Edit Mode.



Alphanumeric keys, 0 - 9, *, #.

Enters numbers, characters and punctuation marks.

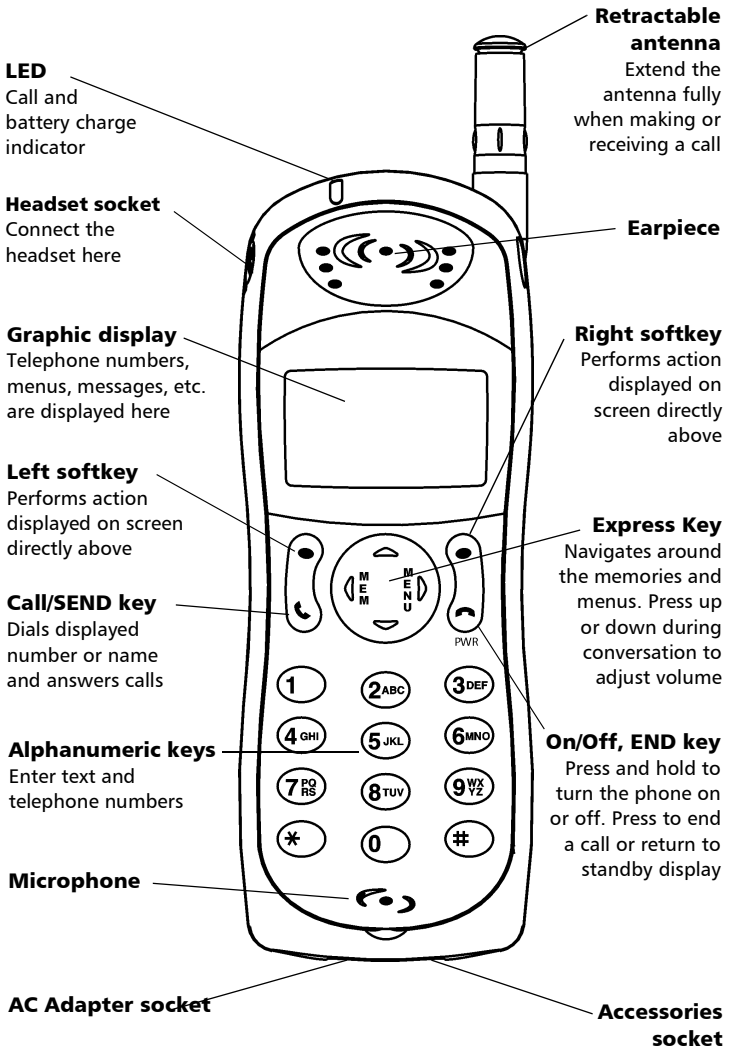
① key. Press and hold to call the voice mail number.

② to ⑨ keys. Press and hold to speed dial preferred numbers.

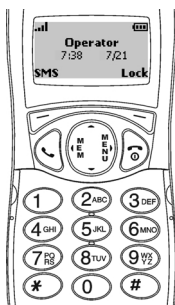
* key. Press and hold to enter international + prefix, 'P' symbol or '_' underscore wildcard.

key. Used with keypad lock softkey to lock/unlock the keypad

G310 Phone overview



G340 Keypad layout



List of keys



Programmable softkeys or selection keys.

Perform the functions indicated by the text above it.



End, On/Off key. Press and hold to turn the phone on or off.

Press to end or reject a call.

Press while in menus to go back to the standby display.



Send key. Press to make or answer a call.

Press in standby display recalls last dialed numbers.



Express Key

Press left to view Phone Book entries or return to previous display.

Press right to enter main menu and/or select a feature from list.

In conversation, press up or down to adjust volume.

Press up to scroll up the menus. In standby, press to enter volume control menu.

Press down to scroll down the menus. In standby, press to enter alert tones setting.

Moves the cursor through the displayed text in Edit mode.



Alphanumeric keys, 0 - 9, *, #.

Enters numbers, characters and punctuation marks.

①, or press and hold to call the voice mail number.

② to ⑨ keys. Press and hold to speed dial preferred numbers.

* key. Press and hold to enter international + prefix, 'P' symbol or '_' underscore wildcard.

#.key.Used with keypad lock softkey to lock/unlock the keypad

G340 Phone overview

LED

Call and battery charge indicator

Headset socket

Connect the headset here

Graphic display

Telephone numbers, menus, messages, etc. are displayed here

Left softkey

(programmable)
Performs action displayed on screen directly above

Call/SEND key

Dials displayed number or name and answers calls

Alphanumeric keys

Enter text and telephone numbers

Microphone

Flip

Open when you want to use the alphanumeric keys

Opening or closing the flip does not answer or end a call

Retractable antenna

Extend the antenna fully when making or receiving a call

Earpiece

Right softkey
(programmable)
Performs action displayed on screen directly above

Express Key

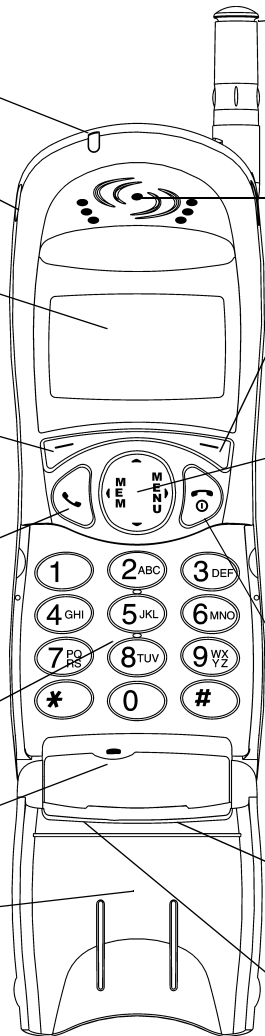
Navigates around the memories and menus. Press up or down during conversation to adjust volume

On/Off, END key

Press and hold to turn the phone on or off. Press to end a call or return to standby display

Accessories socket

AC Adapter socket











Using this guide


Your G300 series phone operates on the GSM network which provides fraud protection, short message service (SMS), integrated voice mail, superior voice quality and clear, static-free sound. One of the most important GSM advantages is the removable SIM (subscriber identity module), which holds user information such as phone numbers, missed calls, voice mail notifications and text messages.

Some features are called network features and are supplied by service providers. However, before you can use or even activate many of the network features offered by the networks, you must subscribe to the services. For a full list and explanation of network features please consult with your service provider.





Some networks may provide you with Data & Fax services. To use these special services the Contact Data kit is needed (see "Accessories list" on page 68). For further information please refer to the instructions contained in the Data & Fax kit and/or contact your service provider for details.


Key Actions

-  Left softkey
-  Right softkey
-  Right arrow on Express Key
-  Left arrow on Express Key
-  Up arrow on Express Key
-  Down arrow on Express Key
-  SEND key
-  END key

Function Press softkey below the corresponding function name. For example, **SMS**  means press the softkey under the word **SMS**.

Messages Words in this format are the actual words seen in the display.

Select Use  and  on the Express Key to scroll to the desired item in the menu and select by pressing .
For example, select **Phone Book** means scroll to the menu item **Phone Book** and select by pressing .

Press Press the corresponding key.
Press  means press the SEND key.

Display Indicators (Icons)

The display window can display up to four lines of characters plus one row of special display indicators or icons. The display window in standby mode:



Special icons which appear in the display:



SIM memory in use




Phone memory in use.



Roaming. Displays when the phone is logged on to a network different from its home network.



Short message service (SMS). Displays when one or many short messages have been received but not read. It flashes  when the SMS message bank is full and cannot store new messages. The availability of this feature is network dependent.







Voice mail. Displays when a voice mail message has been received and stored by the network's voice mail center. The availability of this feature is network dependent.





Call forwarding. Indicates whether incoming calls are being forwarded. The availability of this feature is network dependent.



Battery level indicator. Indicates the charge level of the battery. Three levels are shown:  low,  medium,  full. It flashes  when the battery is almost empty.



Arrow keys. These icons appear during menu operation to indicate that more items in the menu can be displayed if  or  are pressed. More than one arrow may show at any one time.



Line 2. Indicates the second line is in use. The availability of this feature is network and subscription dependent.



Unanswered call. Displays when an incoming call is unanswered.



Signal strength level. Four levels indicate the strength of the received signal. More bars indicate a stronger signal. If no network is available the display remains blank.



Keypad lock. Keypad lock is on or off.



CUG. Indicates Closed User Group service is active.



Silent mode. All tones are off.



Alarm clock is set. Model G340 only



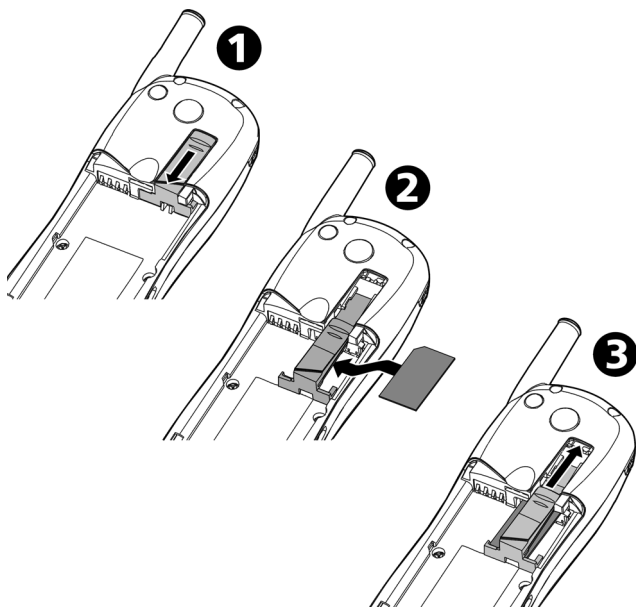
Silent Call alert. Set to a vibrate option for incoming call. Model G340 only

Getting started

Inserting the SIM card

Unpack the phone and insert the SIM card into the holder.

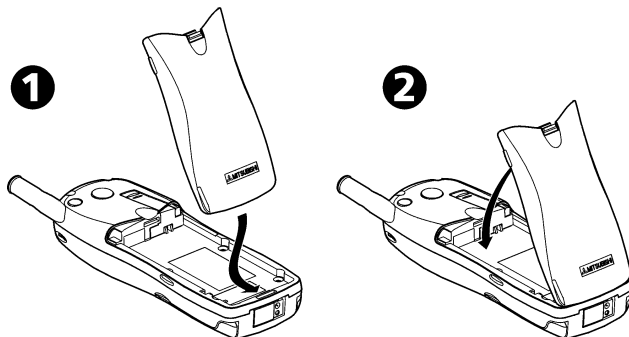
- 1 Open the SIM card holder as shown.
- 2 Insert the SIM card gently as shown with the gold contacts facing down and the bevelled corner of the card at the top left.
- 3 Push the SIM card holder back into position.



If the SIM card has been inserted the wrong way or is damaged, **Check SIM!** will display. Remove the SIM card, check this illustration and re-insert it as described.

Attaching the battery


- 1 Position the battery onto the phone as shown
- 2 Push down the opposite end of the battery onto the phone until the battery catch 'clicks' shut. Check that the battery is securely in place.



- If there is not enough charge in the battery to power the phone, follow the instructions for battery charging on page 10.

Low battery warning

When the battery power falls to its lowest level, the message **Low Battery!** displays and a low battery warning tone sounds.

If you are on a call, end the call and turn off the phone by pressing and holding down .

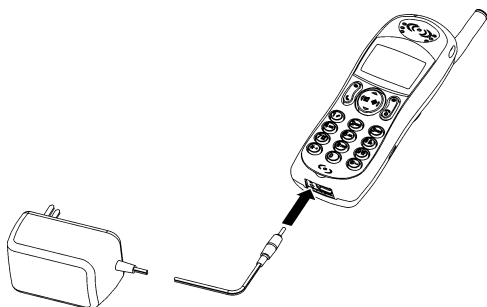
Recharge the battery as shown or replace it with a charged one.

Do not turn off the phone by removing the battery. Data that needs to be saved by the SIM may be lost.

Charging

To extend the battery's life, recharge it only when the **Low Battery!** warning is displayed and the 'low battery' tone is heard.

Connect the AC Adapter to the phone as shown.



Plug the AC Adapter into a wall socket. The battery will start to charge. The phone can be used while charging but it will increase the charging time.

Charging indicators when the phone is off



Charging message displays. The LED light will be red. When charging is finished, **Battery full** displays and the LED light will change to green.

Charging indicators when the phone is on



During charging the battery icon will flash 1-2-3 bars continuously. When charging is completed the battery indicator will show three solid bars. If a call is received during charging the LED light will flash rapidly green. It is normal for the battery to get warm during charging.

Typical charging times using the AC Adapter

Battery type	Typical charging time
Small battery	2 hrs 30 min

Battery use and safety information

When the operating time (standby and talk time) is noticeably shorter than normal, it is time to buy a new battery.

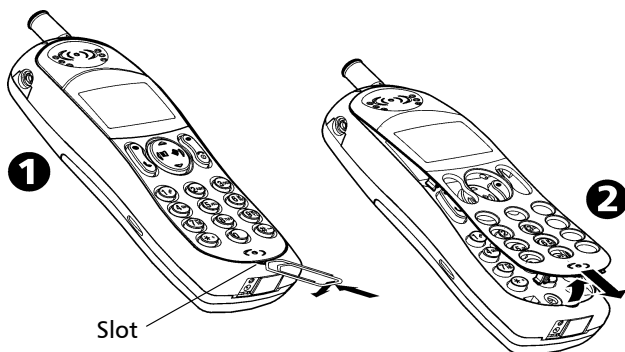
- Do not leave batteries connected to a charger longer than necessary, overcharging will shorten battery life.
- Disconnect battery chargers from the power source when not in use.
- Do not expose batteries to high temperatures or humidity.
- Do not dispose of the batteries in fire. They may explode.
- Avoid putting the batteries into contact with metal objects which may short circuit the battery terminals (e.g. keys, paper clips, coins, chains etc).
- Do not drop or subject the batteries to strong physical shocks.
- If the battery terminals become soiled, clean them with a soft cloth.
- It is normal for batteries to become warm during charging.
- Old batteries must be returned to the place of purchase or to a place where used batteries are properly disposed of. Do not dispose of old batteries together with household waste.

Changing the faceplate - Model G310 only

Before changing the faceplate always turn off the phone and disconnect from any charging device or car kit.

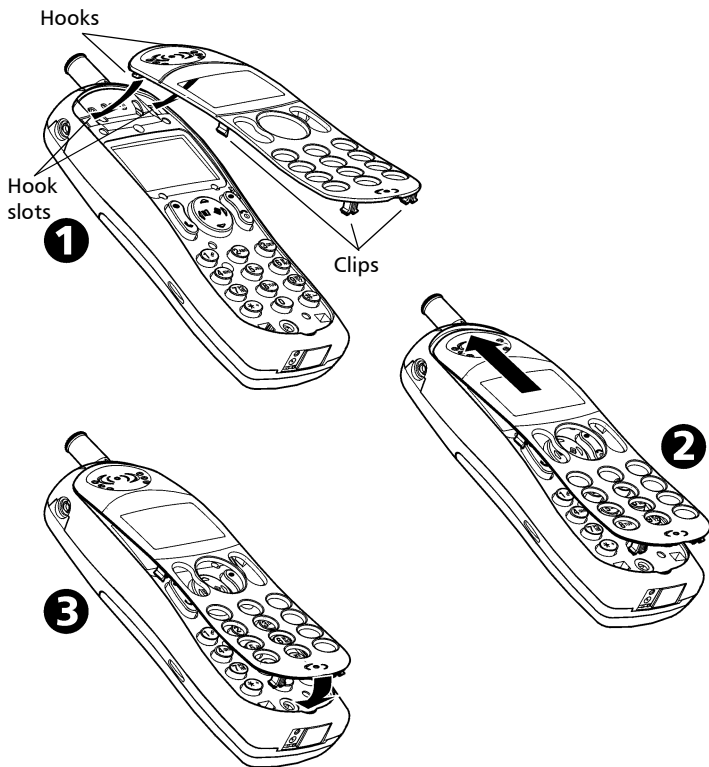
Removing the faceplate

- 1 Insert a small blunt instrument, for example a paper clip, into the slot provided and gently but firmly lift up one end of the faceplate.
- 2 Take hold of the raised end of the faceplate and carefully pull up, unclipping it from the bottom of the phone. After the bottom section is loose, gently slide the faceplate downward. The faceplate will unhook from the phone and lift away.



Replacing the faceplate




- 1 Locate the front faceplate hooks, into the hook slots at the top of the phone.
- 2 Slide gently upwards.
- 3 Press the faceplate down firmly, clipping it into position.



- Do not use unnecessary force when changing the faceplate. Avoid excessive bending. Do not leave in direct sunlight. Always use the phone with the faceplate attached. Do not clean the phone with alcohol, strong chemicals or solvents. Wipe it only with a soft, slightly dampened cloth. Read the "Care and maintenance" instructions, page 19.

Basic phone operations

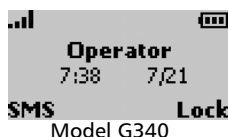
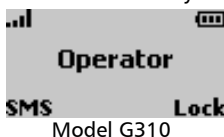
Turning on the phone

- 1 Press and hold . A turn on tone sounds.
- 2 If the phone is locked, **Enter lockcode** will display. Enter the 4 digit code and press **OK** .
- 3 If your SIM is PIN protected, **Enter PIN** will display. Enter the PIN code and press **OK** .


 See pages 19 and 59 for more details on your PIN and lock codes.

Standby display


A screen animation appears, followed by a registration tone, then the name of the network and/or service provider displays together with signal and battery level indicators and the **SMS** and **Lock** softkey functions. This is the normal standby display:



Press  to go to your Phone Book (see page 33).



Press  to go to the phone menu (see page 26).

Press  to go to volume control (see page 56).


Press  to silence the incoming ring tone.

For Model G340, see page 63 to set time and date.


Making a call

- 1 Enter the telephone number you wish to dial. Correct any mistakes by pressing **Clear** . Press and hold this key to erase the entire entry.
- 2 Press  to dial (send) the number .


 For best results use the antenna fully extended when making or receiving calls.

International calls can be prefixed either with 00 or +. To enter the + symbol before a number, press and hold  until + appears in the display.

When the call connects, the call timer displays.

- **Busy** Called party's line is busy. If Auto Retry is on, the phone will attempt to call again (see page 59 for details).
- **Not allowed (fixed dialing)** Number dialed is not authorized by the FDN list (see page 36 for details).
- Line 2 icon () appears when call connects (if active) indicating call was made using this line (see page 45 for details).

Answering a call

When there is an incoming call, the phone rings. The LED light on the top of the phone flashes green and a flashing  icon appears. The backlight also lights up if the phone was set to do so or if in silent mode.

To answer the call,

Press .


- If the ring tone volume is set to zero (off) or if the phone is in 'Silent mode' or 'Vibrate mode' on Model G340, no audible sound will be heard.

Press **Silence**  softkey to stop ring tone.



To send the call to voice mail,

Press .

Call display notes

- The caller's number (if available) displays. If you have this number in memory, the person's name displays.
- If the caller's number is not available, **Unknown number** displays first, then **Call 1** displays when you answer.
- If the caller has withheld their number, **Withheld number** displays first, then **Call 1** displays when you answer.
- When the call connects, the call timer appears.
-  appears if the call is received on your Line 2 number. See page 25 for details.

Volume adjustment during conversation


Press  or  on the Express Key to increase or decrease the volume through eight levels.

Ending a call

Press .

- Model G340 - Closing the flip does not end a call. Wait a few seconds or press Back softkey to return to the standby display.











Turning off the phone

Press and hold .

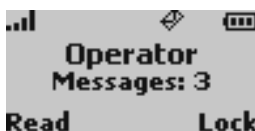
A turn off tone will sound. During turn off, an animation will be shown, then the phone will turn off.




- Do not turn off the phone by removing the battery as data which may need to be saved in the SIM will be lost.

Unanswered call, voice mail and new SMS message indicators

- If some received calls remain unanswered,  displays. Press **Read**  to view numbers if available. Press  to dial the number. Unanswered call numbers will be stored in the unanswered call log (see page 41 for details).
- When you receive a voice message, an alert tone sounds and  appears. Press **Read**  to view the message or press  to speed dial your voice mail message center (see pages 7 and 32 for details).
If more than one indicator (e.g. **Messages:2** and **Voice mail:1**) is shown, press **Read**  for a menu allowing you to choose between different items (in our example: **Messages** and **Voice mail**).
- When a new SMS message is received, an alert tone sounds and  appears. Press **Read**  to view the SMS messages inbox.
If  is flashing you will have to delete at least one old received message to be able to receive new messages (see page 38 for details).

The display will show the quantity and type of messages:



- 1 Press **Read**  to view each type of message to be read.
- 2 Scroll to the desired message and press **Select**  or  to read the message.

Safety information

EXPOSURE TO RADIO FREQUENCY SIGNALS

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

*ANSI C95.1 (1992)

*NCRP Report 86 (1986)

*ICNIRP (1996)

*American National Standards Institute; National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards).

ANTENNA CARE

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

PHONE OPERATION

NORMAL POSITION: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

TIPS ON EFFICIENT OPERATION: For your phone to operate most efficiently:

- Extend your antenna fully.
- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

DRIVING

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

- Give full attention to driving - driving safely is your first responsibility.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

ELECTRONIC DEVICES

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON
- Should not carry the phone in a breast pocket
- Should use the ear opposite the pacemaker to minimize the potential for interference
- If you have any reason to suspect that interference is taking place, turn your phone OFF immediately

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider (or call the customer service line to discuss alternatives).

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn your phone OFF in any facility where posted notices so require.

AIRCRAFT

FCC regulations prohibit using your phone while in the air.

Switch OFF your phone before boarding an aircraft.

BLASTING AREAS

To avoid interfering with blasting operations, turn your phone OFF when in a "blasting area" or in areas posted "Turn off two-way radio." Obey all signs and instructions.

POTENTIALLY EXPLOSIVE ATMOSPHERES

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. 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 fueling areas such as gasoline stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

For Vehicles Equipped with an Air Bag

An air bag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Care and maintenance

This PCS telephone is the product of advanced engineering, design and craftsmanship and should be treated with care. The suggestions below will help you to enjoy this product for many years.

- Do not expose the phone to any extreme environment where the temperature or humidity is high.
- Do not expose or store in cold temperatures. When the phone warms up after turn on, to its normal temperature, moisture can form inside where it may damage the electrical parts.
- Do not attempt to disassemble the phone. There are no serviceable parts inside that you can replace.
- Do not expose the phone to water, rain or liquids. It is not waterproof.
- Do not abuse this phone by dropping, knocking or violent shaking. Rough handling can damage it.
- Do not clean the phone with strong chemicals or solvents. Wipe it only with a soft, slightly dampened cloth.
- Do not place the telephone alongside computer discs, credit or travel cards or other magnetic media. The information contained on discs or cards may be affected by the phone.
- Do not connect incompatible products. The use of third party equipment or accessories, not made or authorized by Mitsubishi Wireless Communications Inc., may invalidate the warranty of your phone and may be a safety risk.
- Do not remove the labels. The numbers on it are important for service and other related purposes.
- Contact an authorized service center in the unlikely event of a defect.

Security codes

The phone and SIM card are delivered to you pre-programmed with codes that protect the phone and SIM card against unauthorized use.

When requested to enter any of the codes, key in the numbers (appear as * asterisks) and press **OK** (OK).

Press **Clear** (Clear) to erase mistakes. If you enter the wrong code, a warning message appears.

PIN and PIN2 codes (4-8 digits)

All SIM cards are supplied with a PIN (Personal Identity Number) to protect the card against unauthorized use.

Some SIM cards are supplied with a PIN2 code when another level of security is required for some features such as fixed dialing numbers.

If **Enter PIN** appears, enter the PIN code and press **OK** (OK).

If the wrong PIN code is entered three times in a row, **SIM Blocked** appears and the SIM card is disabled. **Contact provider** also appears. To unblock the SIM, you must enter the PUK (PIN Unblock Key) code, available only from your service provider.

PUK and PUK2 codes (8 digits)

Also supplied with the SIM card is the PUK (PIN Unblock Key) code to unblock a disabled SIM card.

When requested, enter the PUK code and press **OK** (OK). Then you will be asked to reset the PIN code. Follow the instructions in the display.

If the wrong PUK code is entered ten times in a row, the SIM card must be replaced. Contact your service provider.

The PUK2 code must be used to unblock the PIN2 code.

See page 60 and 61 for more details.

Code supplied by the airtime service provider

Call barring password (4 digits)

This password is used to bar various types of calls from the phone.

See page 50 for more details.

Code supplied by the manufacturer

Phone lock code (4 digits)

This code is set to all zeros and can be reset. Once changed it cannot be identified by the manufacturer over the phone. See page 60 for more details.

It is strongly recommended that you remember and make yourself familiar with the purpose and operation of these codes.

Emergency calls

In the U.S., provided the phone has GSM service, emergency calls can be made by dialing 911. In Europe, provided the phone has GSM service, emergency calls can be made by dialing 112, the European standard emergency number. Emergency calls can even be made if the phone is PIN or electronically locked or call barred. In some countries the phone may have to contain a valid SIM card in order to use local emergency numbers.





- Mobile phones rely on wireless and landline networks which cannot be guaranteed in all conditions. Therefore you should never rely solely on wireless phones for essential emergency communications.

General features

Dialing stored numbers

Any number stored in the SIM or the phone memory can be dialed in several ways.





...from the Phone Book

- 1 Press  to enter the Phone Book list.
- 2 Use  or  to scroll to the desired number.
- 3 Press  to dial the number.

 See "Phone Book", page 33.





...from the last dialed numbers list

The last 10 numbers dialed are stored in the phone.

- 1 Press  to display the last numbers dialed.
- 2 Use  or  to scroll to the desired number.
- 3 Press  to dial the number.

...from the Call log memory list

The last 10 numbers dialed, the last 5 unanswered call numbers (if available) and the last 5 received answered numbers (if available) are stored by the phone in the call log menu.


- 1 Press . Select **Calls & Timers**.
- 2 Select **Call log**.
- 3 Select **Last dial, Unanswered or Received**.
- 4 Use  or  to scroll to the desired number.
- 5 Press  to dial the number.

 See "Calls & Timers", page 41.

Speed dialing

Any number stored in the SIM, except Fixed Dialing Numbers (see page 36), can be speed dialed using the 1-9 keys.




Press and hold the desired key (1 - 9). The number will be recalled to the display and dialed.

By default,  is always assigned to the voice mail number. See page 37 for speed dialing set up.


Silent alert mode

Controls whether the incoming ring, alert and key tones will be heard.

To activate silent alert mode.

- 1 Press .
- 2 Select **Silent** on Model G310.
Select **Vibrate** or **Vibrate then Ring** on Model G340.
 is shown in Model G310 display when this feature is turned on.
 is shown in Model G340 display when this feature is turned on.

To deactivate silent alert mode,

- 1 Press .
- 2 Select **Ring**.
 1. If the ring tone volume is set to zero, the silent mode icon remains in the display as a warning.
2. The silent mode setting is not saved when the phone is turned off.
See also "Tones - Alert mode", page 55.

To turn off ring of current incoming call,

Press **Silence** .

Muting

While on a call, the microphone can be muted (turned off) to allow you to confer privately with people nearby without being heard by the caller.

To mute the microphone during conversation,

Press **Mute** .




To unmute the microphone,

Press **Unmute** .

- The microphone is automatically restored when a new call comes in.

Volume adjustment during conversation

To adjust the caller's audio level during conversation,

- 1 Press  or  on the Express Key to increase or decrease the volume through eight levels.
- 2 Press **Back**  or wait 2 seconds to return to previous display.
 See also "Volume adjustments", page 56.

Sending DTMF tones

DTMF tones are used to access answering machines, voice mail boxes and computerized home banking, etc. These tones are a method to communicate passwords and callback numbers.

Manually




To send individual DTMF tones directly from the keypad during conversation,


Press the desired keys.

The tones will be heard in the earpiece and sent immediately.

Automatically


To send a consecutive string of DTMF tones during conversation,

- 1 Press **Options** .
- 2 Select **Auto DTMF**.
- 3 Enter the DTMF numbers either by using the keypad or from a number stored in the Phone Book under **Names** .
- 4 Press **OK** . After the tones have been sent the normal conversation display will be shown.

 DTMF tones cannot be sent when a call is on hold.

Pause feature

Telephone numbers and a sequence of DTMF tones can be entered or stored in memory together provided they are separated by a 'pause'.

Press and hold . The symbol * appears first, then the symbol **+**, then the letter **p** will appear in the display.

Any number of pauses can be stored together with a maximum of 20-46 characters (dependent upon the SIM and the phone's memory capacity).


Options while Talking

Holding and retrieving a call




To put a call on hold during conversation,

Press .


To retrieve a call,

Press  or **Unhold** .

To make a second call when one call is on hold,

- 1 Enter a number in the display. Press  to dial the number.
- 2 After the second call has been established press  to swap between the two calls.
- 3 To end either the current call or the held call, select **End active** or **End held call** in the **Options** menu. The remaining call is automatically retrieved.
- 4 Press  to end the remaining call.

Both calls can be ended at the same time by pressing .

Another way to hold, retrieve and make a second call during conversation is to press **Options**  to display an Options menu.




Scroll to the desired feature and press **Select**  or  (see also Multi-party or conference calls on page 25).

Call waiting, swapping and multi-party conference calls





Call waiting

Call waiting is a network feature that allows you to put an existing call 'on hold' while you answer or make a second call.

To activate or cancel call waiting,




- 1 Press . Select **Services**.
- 2 Select **Call Waiting**.
- 3 Select **Activate** or **Cancel**. **Requesting** displays. The network will confirm your request.
- 4 Press **Back**  or  to return to the standby display.

Action when receiving a second call

When a second call comes in, you will hear a 'double beep'; and an animated phone icon and the phone number (if available) will display. Either press  to answer the call and put the first call on hold or press **Reject**  to send the incoming call to voice mail. Press  to swap between the two calls. Press **Replace**  to end the first call and take the incoming call. See the previous page to end one or both calls.

Multi-party or conference calls

This feature allows you to make or receive between 2 to 5 calls at the same time with all parties being able to hear and talk with each other.

- 1 Make and establish a call and press .
- 2 Enter another number and press . The first call will be put on hold while the second call becomes active.
- 3 Press **Options**  for these options:

Option	Conference	Non-conference	Description
Auto-DTMF		•	Allows a DTMF string to be entered to the active call only
Swap		•	Swaps between active and call on hold
Join	•		Joins active and call on hold to make a multi-party or conference call
Mute/Unmute	•	•	Turns on or off the microphone
Hold/Retrieve	•		Holds or retrieves the conference call
Private with	•		Allows you to select and have a private conversation with one of the conference callers while putting all the other calls on hold
End held		•	Ends the call on hold
End active		•	Ends active call and connects with call on hold
End one	•		Allows you to select and end one of the conference call participants
End all	•	•	Ends all the calls











Throughout the call, the display confirms the actions you have selected.

- For alternate line service (ALS) subscribers, conference calls cannot be made between Line 1 and Line 2. For details, see Alternate line service on page 45.















Menu system

Use the Express Key to access the easy to use menu system, where all of the phone's features and function settings are stored. The menu is also used for features you have requested from your service provider. Your SIM card presents these features through the menu system.

Access to the menus

- Press  to go to all stored telephone numbers in the Phone Book.
- Press  to enter the main menu from the standby display.
- To navigate through the main menu items, press  or .
- All other functions and features are then selected by pressing  or **Select** .
- To return to a previous menu, press  or **Back** .
- To exit from the menus, press and hold **Clear** , or if no call is in progress, press .

Menu map

	<u>Menu Item</u>	<u>Options</u>
Personal phone list in the SIM and the phone	  Network Serv. *  / 	 •Applications * •Services * •Information *
	Voice Mail *  / 	 •Call * •Number * •Alert *
	Phone Book  / 	 •Recall •Store •Remaining •Own numbers •Fixed dialing *
	Messages  / 	 •Inbox * •Outbox * •Write new •Settings * •Alert *

Calls & Timers

- Call log
- Call timers
- Call costs *
- Line selection *



Services *

- Call forwarding *
- Call waiting *
- Sending my ID *
- Receiving caller ID *
- Network *
- Call barring *
- CUG *



Broadcast *

- On/Off *
- Message types *
- Alert *



Settings

- Keypad lock
- Language *
- Tones
- Display
- Keys
- Auto features
- Security
- Time & Date (G340)
- Default settings





Office Tools




- Scratchpad
- Currency converter
- Alarm clock (G340)







* The availability and appearance of these features in the menu are dependent upon your subscription and the services offered by your network provider.

Entering text

To write SMS text messages, store names in memory, or use the scratchpad, you will enter and edit text in the display.












In the upper right corner of the display, the  icon indicates lower case alpha mode and the  icon indicates upper case alpha mode is active. Text and numbers can now be entered or edited directly from the keypad.

Press  to toggle between lower and upper case. Press and hold  to type entire words in all upper case. Press and hold  again to type entirely in lower case.


- 1 Press any key briefly to display the first character associated with that key and show all the other available characters at the top of the display.
- 2 To enter text, press the key with the desired character repeatedly until it appears in the display.
- 3 To enter a number, press and hold the key with corresponding number.
- 4 If two characters are on the same key, wait for the display at top of screen to clear or press  before pressing the same key again.
- 5 Press **Clear**  to erase a character. Press and hold to delete the entire entry.
- 6 Use , ,  or  to locate the cursor in the text to insert characters or make corrections.

Example

To enter 'Card' in the display,

- Press , then press  twice to select **Messages**.
- Select **Write new**.
- Press  to go to upper case mode,  icon is displayed. Press  briefly three times, **C** appears in the display.
- Wait for the cursor to move or press  to move to the next position, notice that  is displayed. Press  briefly once, **a** appears.
- Press  briefly three times, **r** appears.
- Press  briefly once, **d** appears.
The word **Card** will now be in the display.
- Press  to exit from this example.


Available characters, which depend on the language selected for the phone, are listed in the following chart.

Key	Character	
	Lower case	Upper case
1	1 . , - ' @ : ?	
2	a b c 2	A B C 2
3	d e f 3	D E F 3
4	g h i 4	G H I 4
5	j k l 5	J K L 5
6	m n o 6	M N O 6
7	p q r s 7	P Q R S 7
8	t u v 8	T U V 8
9	w x y z 9	W X Y Z 9
0	0	0
*	Press to change next letter from upper to lower case or vice versa. Press and hold to change remaining letters to upper or lower case.	
#	Press to enter a space. Press and hold to enter special characters: () % ! ; " _ i ï + # * / & = < > § ¥ \$ £	
	Moves the cursor left, up, down or right.	

Entering symbols

Press and hold  to view symbols. Press  to scroll to additional symbols.

To select and insert a symbol into the text:

The symbols are arranged as the 1 - 9 keys are arranged on the keypad. To select and enter a symbol into your text, press the number key corresponding to the desired symbol's location on the screen. For example, press  to select **)** and insert it directly into the text.


You will be returned to the text entry screen and the symbol will be in place.

()	%
!	;	"
-	@	\$
	▼	Back





T9[®] Text Input method

T9[®] Text Input feature is available only from selected service providers.

There are two methods for entering text characters and numbers. In the conventional alpha method, you keep pressing each key until the desired letter appears. This can be cumbersome when entering a lot of text. For a quick text entry method, use T9[®] Text Input method to press each key just once to allow the T9 software to assemble the word for you. The T9 database ranks words by common usage so one entry gives the choice of several words.



When writing a new SMS message or using the scratchpad, the **t9** icon appears to indicate the T9 Text Input mode is ready. Press  to toggle between T9 Text Input and standard alpha mode.


To use T9 Text Input mode:

- 1 To enter a word, press each key containing the desired letters only once.
Be sure to type the entire word first before editing.
- 2 Check to see if the desired word appears. If it does, press  to enter a space and continue entering text.
- 3 If the desired word is not displayed, press  to cycle to other word choices.
- 4 If the desired word doesn't appear, press  to change to the alpha mode to enter the word.
- 5 Use  to move the cursor to insert characters or make corrections.









Example

When you are at the write new SMS message or scratchpad screen, the T9[®] Text Input mode is ready, indicated by the **t9** icon.

Press keys corresponding to the letters you need, just as if the phone keypad were a typewriter. Type  for space and  for period.
For example:

           
h e l l o w o r l d .




T9[®] Text Input key actions

Key	Action
	Shift - upper/lower case Press and hold to type entire words in all upper case or all lower case. Press briefly to automatically capitalize the current letter.
Clear 	Clear character or backspace Press and hold to clear entire entry
Press and hold number keys	Enter numbers
	Enter space. Press and hold to view symbols.
	Scroll to other word choices
	Enters a period, --, or ... For other punctuation, switch to alpha mode and press repeatedly to enter 1 . , - ' @ : ?
	Switch between T9 Text Input and standard alpha mode
 	Press to move cursor between words

Adding words to T9[®] Text Input database

Words that do not appear in T9 Text Input database can be added easily using the alpha mode. In alpha mode, type the desired word into the text of your message. The unknown word is automatically added to the database so you can type it using T9 Text Input in the future.

For example, to enter "Jenna" to the T9[®] database,

1. Press  to go to alpha mode.
2. Press  to capitalize, then press 5 key once to enter 'J.' Press 3 key twice to enter 'e.' Press 6 key twice to enter 'n.' Wait for cursor to move then press 6 key twice to enter another 'n.' Press 2 key once to enter 'a.'
3. Press  to go to T9 Text Input mode to complete the message.
4. The name Jenna is automatically stored in the T9 database.
5. While entering names in the Phone Book or using the scratchpad, the special name or word is stored in the T9 database if you go back to T9 Text Input mode after entering the name or word.

T9[®] is a registered trademark of Tegic Communications, Inc.

Network services

The menu item **Network Serv.** may appear at the beginning of the menu if your network provider elects to offer certain value added services and contact phone numbers. These services and phone numbers will be stored in your SIM. Contact your network provider for details on these services.

There are three possible ways in which a service provider may present these value added services and contact phone numbers:

SIM application tool kit

An automatic way to provide services related to your network and not to your phone. These services are SIM dependent.

SDN numbers stored in the SIM

Up to 32 Service Dialing Numbers may be stored in the SIM which cannot be changed.

Information numbers

A list or a menu to enable you to call network or information services offered by your network.

Some providers can offer two of the above services on the same SIM, in which case the **Network Serv.** item in the main menu will present two menu items, **Applications** and **Services** or **Information**.

Voice mail

Your network provider may offer a voice mail service. Contact your service provider for details.

Calling the voice mail center to check for messages

To dial the voice mail center directly after receiving a message,

Press and hold **1**.

To dial the voice mail center using the menu,

- 1** Press **▶**. Select **Voice Mail**.
- 2** Select **Call**.

Viewing your voice mail center number

To view your voice mail center number,

- 1 Press **Ⓛ**. Select **Voice Mail**.
- 2 Select **Number**. The phone number of your voice mail center appears.
- 3 Press **OK** **Ⓛ** to return to the previous display or **Ⓛ** to return to the standby display.

If you subscribe to 'Line 2' service, you can view the voice mail center number the same way. The voice mail number is automatically assigned to speed dial location Key 1. See "Speed dialing" on page 37.

Voice mail alert tone

To hear a tone each time that a voice mail message arrives,

- 1 Press **Ⓛ**. Select **Voice Mail**.
- 2 Select **Alert**. Select **On** or **Off**.
- 3 Press **Back** **Ⓛ** to return to the previous display or **Ⓛ** to return to the standby display.

Phone Book

The SIM and the phone have areas of memory used for storing names and telephone numbers known as the Phone Book.

The phone can store up to 20 digits and 16 alphabet characters in each of its 99 memory locations. The phone also supports SIM cards with up to 255 memories but the actual number and capacity is dependent upon the SIM itself. The phone and SIM memory locations are interconnected, and both are searched when you recall a name or number.

Storing names and telephone numbers






Names and numbers can be stored directly in the Phone Book or moved from other stored areas such as from SMS messages, scratchpad (numbers only) or last dialed number list, etc.

If you travel abroad, we recommend that you store numbers in international format using the '+' prefix before the country code followed by the telephone number. This will ensure that the number can be dialed from within your home country as well as abroad. To enter the + symbol, press and hold ***⁺** until + appears in the display.






See page 28 for instructions on entering text.

There are three ways to store numbers into the Phone Book.

- Directly from the standby display


- 1 Enter the number. Press **Store** .
- 2 Select **Phone names** or **SIM names**.
- 3 Confirm the number by pressing **OK** .
- 4 Enter the name (if desired) and press **OK** . Confirmation of your entry and the remaining locations will briefly display.
- 5 Press **Back**  or  to return to the standby display.

- Using the menu

- 1 Press . Select **Phone Book**.
- 2 Select **Store**. Select **Phone names** or **SIM names**.
- 3 Enter the number and press **OK** . Enter the name and press **OK** . Confirmation of your entry and the remaining locations will briefly display.
- 4 Press **Back**  or  to return to the standby display.

- From other stored locations

Numbers stored in the last dialed, received, unanswered, scratchpad (numbers only) and SMS message locations can all be stored in the Phone Book:






- 1 Display a number from one of the above, press **Options** .
- 2 Follow the display instructions starting in Step 2 above.

During number and name entry, press **Clear** to erase the last character. Press and hold **Clear** to erase the entire entry.

- The characters *, +, P (pause), # and _ can be stored together with numbers.
- If the SIM or Phone Book is full, a warning message will display when selecting the Phone Book.

Free space in the Phone Book

To see how many empty Phone Book spaces remain in the SIM or the phone,


- 1 Press . Select **Phone Book**.
- 2 Select **Remaining** and use  or  to display the remaining available spaces in the phone or SIM.
- 3 Press **Back**  or  to return to the standby display.

If available, the free memories in the FDN list will also be shown.




Viewing and dialing numbers in the Phone Book

Phone Book entries can be recalled into the display to be edited, deleted, copied, moved or dialed from either the phone or SIM. There are two ways to view and dial numbers stored in the Phone Book.


- Directly from the standby display



Press  to display the Phone Book list.


- Using the menu


- 1 Press  and select **Phone Book**.
- 2 Select **Recall**.
- 3 Either press **OK**  or enter up to the first 3 initials of the name desired and then press **OK** .

If no initial is entered, the display will show the first alphabetical entry in the Phone Book. The list of Phone Book entries will be displayed in alphabetical order together with the telephone number and whether stored in the SIM or the phone memory.



- 4 Press  to dial the number.

Press  or  to scroll through the Phone Book.

To go directly to another entry, press the corresponding alphabet key. For example, to go directly to entries starting with 'N' press  twice.

Press **Options**  to display the following menu:

Item	Function
Edit	Edits the name and number entry
Delete	Deletes the entry
Copy	Copies the entry to the SIM or the phone or vice versa. Editing allowed before copying
Move	Moves the entry to another position. Editing allowed before moving
Call	Calls the number displayed

- 5 Press **Back**  or  to return to the normal display.

Own number display

You can view your own PCS number in the Phone Book. You can also view your Line 2 PCS number (Alternate Line Service), as well as data and fax numbers if you have a subscription for those services. All of these numbers are stored in the SIM by your service provider.

To view your own number(s),

- 1 Press . Select **Phone Book**.
- 2 Select **Own numbers**. Your PCS number displays.
- 3 Use or to view Line 2, data and fax numbers (if you have a subscription for them).
- 4 Press **Back** or to return to the standby display.

Fixed dialing numbers (FDN)

Fixed dialing restricts outgoing calls to 'fixed' numbers or 'prefixes' contained in SIMs that support this feature. When turned on, dialing any number that is not in the FDN list is not allowed. Call forwarding and sending SMS messages to any number not in the FDN list is prevented. The maximum number of FDN numbers that can be stored is dependent upon the capacity of the SIM. PIN 2 code is required to turn on FDN or enter numbers into the FDN list.

To turn on or off FDN operation,

- 1 Press . Select **Phone Book**.
- 2 Select **Fixed Dialing**. Select **Status**.
- 3 Select **On** or **Off**. If selecting **On**, enter the PIN2 code.
- 4 Press **OK** to confirm the setting.

To view the numbers in the list,

- 1 Press . Select **Phone Book**.
- 2 Select **Fixed Dialing**.
- 3 Select **View** and use or to view all the entries. Press **Options** to edit, delete or copy numbers to phone or SIM.

To enter, edit or delete numbers in the FDN list,








- 1 Press . Select **Phone Book**.
- 2 Select **Fixed Dialing**.
- 3 Select **Add New**. Enter the PIN2 code if not entered yet. It is now possible to add new numbers as well as edit, delete and copy numbers to the phone or SIM.

Wild card spaces can be used with the numbers stored in the FDN list. For example, the number 727 8 _ _ 9 allows calls to all numbers between 727 8009 to 727 8999 to be dialed. When recalled to the standby display, the number can be edited and dialed.

Speed dialing








Phone Book numbers can be assigned to Keys 2 - 9 which when held down will dial those numbers. Key 1 is reserved exclusively for the voice mail center number. Numbers stored in the SIM and in the phone (except fixed dialing numbers) can be selected.

To assign Phone Book numbers to the speed dialing keys,

- 1 Press . Select **Settings**.
- 2 Select **Keys**.
- 3 Select **Speed dial**.
- 4 Use  or  to scroll to the next Empty Key number.
- 5 Select **Names**  to go to the Phone Book and scroll to the desired entry.
- 6 Press **Select** . The Phone Book name will appear with the assigned Key number.
- 7 Press **Back**  or  to return to the standby display.

If a number which has been assigned to a speed dial key is deleted from the Phone Book, the corresponding number is automatically deleted from the speed dial key.

To change or delete assigned speed dial keys,


- 1 Press . Select **Settings**.
- 2 Select **Keys**.
- 3 Select **Speed dial**.
- 4 Use  or  to scroll to the desired Key number.
- 5 Select **Options** . Select **Names** to go to the Phone Book to replace current phone number. Scroll to desired Phone Book entry and press **Select**  to replace with new Phone Book entry. The Phone Book name will appear with the assigned Key number.
- 6 Select **Delete** to delete the current Phone Book Entry. The Key screen will display 'Empty.'
- 7 Press **Back**  or  to return to the standby display.


Key 1 cannot be changed or deleted.

Messages (SMS)

SMS message service enables you to send or receive short text messages of up to 160 characters to or from other PCS phones with the same capability. The messages are not sent directly to the other mobile phone but go via your service provider's message center. You can also store, edit and forward messages as well as saving any of the numbers they may contain.




Reading a new SMS message





When the phone receives an SMS message, an SMS message alert tone sounds and  displays. The message is automatically stored in the SIM.

If  is flashing, there is no more space to store messages in the SIM. Delete previous read and stored messages to make space for new ones.


Press **Read**  to read all new received messages (Inbox).

Reading stored SMS messages

- 1 Press . Select **Messages**.
- 2 Select **Inbox** to display the first message header.
- 3 Press  or select **Options** , then **Read text** to read the message text.

- Use  and  to scroll between pages or between messages.
-  indicates an unread message,  indicates a previously read message.

Managing received and stored SMS messages

After reading the SMS message, press **Options**  for these options:

Item	Function
Read text	Displays the remainder of the text
Delete	Deletes the message
Reply	Reply to the sender of the message
Forward	Forwards the message to another phone
Numbers	Stores or calls the number(s) contained in the SMS header or text

 The items of this menu may vary and are dependent upon the type of message received.

Set up to send SMS messages

You can write and send text messages to other similarly equipped PCS phones. First, check to see that the network's SMS message center number is stored in the phone.

- 1 Press **Ⓛ**. Select **Messages**.
- 2 Select **Settings**.
- 3 Select **Message center**.
If a number already appears, your service provider supplied the number. Press **OK** **Ⓛ**. If empty, call your service provider.

If desired, you can select and change the **Validity** period, **Format**, **Reply requested** and request a message **Delivery report**. The following default settings are in place unless you change them.

Option	Description	Default
Validity	Time held at message center. 12 hrs, 1 day, 2 days or Maximum (defined by service provider)	Maximum
Format	Selects format of message; Text, Voice, Fax or Pager	Text
Reply requested	You may pay for the reply to a message, if a reply is sent by the addressee	No
Delivery report	Requests a delivery report. Must be supported by your service provider	No

- 4 Press **Back** **Ⓛ** or **Ⓜ** to return to the standby display.

The phone is now ready to send SMS messages.

Sending a new SMS message

- 1 Press **Ⓛ**. Select **Messages**.
- 2 Select **Write new**.
- 3 Enter the message text. See Entering text on page 28. If available, the entry screen will be in T9® Text Input mode (see page 30). When finished, press **OK** **Ⓛ**.
- 4 Select **Send** or **Store**.
- 5 If you selected **Send**, enter the desired number or select **Names** **Ⓛ** to choose a number from a Phone Book entry and press **Ⓛ** to confirm. Press **OK** **Ⓛ**.
Sent confirmation will be given.
- 6 Select whether to **Store** or **Send** another message.
- 7 Press **Back** **Ⓛ** or **Ⓜ** to return to the standby display.

Messages in the outbox

The outbox contains unsent draft messages and stored sent messages, identified by their headers. These messages can be selected from the outbox menu and can be modified and resent as new SMS messages.

To select an outbox message,

- 1 Press . Select **Messages**.
- 2 Select **Outbox**.
- 3 Use or to scroll to the desired message header. Each message header is marked as either "sent" or "to be sent" . In the upper right corner, the header is numbered along with the total number of messages.
- 4 Press **Options** for the following menu:

Item	Action
Read text	Displays the remainder of the text
Delete	Deletes the message
*Status	Available only for sent messages. Requests a status report. Must be supported by your service provider
Send	Sends the message; or if message was already sent, sends to another number or resends to same number
Edit	Edits the message text

- 5 Use or to select and follow the display prompts.
- 6 Press **Back** or to return to the standby display.

Message alert tone



To hear a tone each time an SMS message arrives,

- 1 Press . Select **Messages**.
- 2 Select **Alert**. Select **On** or **Off**.
- 3 Press **Back** or to return to the standby display.

Message templates

If your SIM can store message templates, then **Msg. templates** will appear in the **Messages - Settings** menu. Each of these templates can be named for easy identification and can be selected and used whenever needed.

To create a message template,

- 1 Press . Select **Messages**. Select **Settings**.
- 2 Select **Msg. templates**. Choose any blank [...] template and press **Edit** .
- 3 Enter the template Name, Msg Center number, Validity period and Format.

- Default settings for Reply and Status are set to 'No' unless you change them to 'Yes.'
- If only one template is set, it is automatically used by default.
- If more than one is set, any one can be selected to write a new message.




Calls & Timers

Details of incoming and outgoing calls, duration of the last call, and accumulated total of all calls made are stored in **Calls & Timers** menu.


Call log

The Call log stores details of the last 10 numbers dialed, the last 5 unanswered calls, and the last 5 received (answered) calls. The call logs are common for both Line 1 and Line 2.

To view or dial a number from the Call log,

- 1 Press . Select **Calls & Timers**.
- 2 Select **Call log**.
- 3 Select **Last dial, Unanswered** or **Received**.
- 4 Use  or  to scroll through the call lists.

- The most recent number dialed or received is displayed first.
- For unanswered and received calls, if the caller's number is in your Phone Book, the name is shown. If not, 'Unknown number' displays.

- 5 Press  at a highlighted number to dial that number.

To edit or delete Call log entries,

- 1 Press **b**. Select **Calls & Timers**.
- 2 Select **Call log**.
- 3 Select **Last dial**, **Unanswered** or **Received**.
- 4 Select the desired entry.
- 5 Press **Options** **o** to go to the following menu:

Item	Action
Store	Store number in Phone Book
Delete	Delete the entry
Delete all	Delete all the entries
Edit	Edit the displayed number
Details	View the name, number, and call length of the highlighted number. G340 includes time and date of call
Call	Dial the number

- 6 Use **u** or **d** to select and follow the display prompts.
- 7 Press **Back** **b** or **o** to return to the standby display.

Press **o** in the standby display for 'One Touch' access to the 10 last dialed calls.

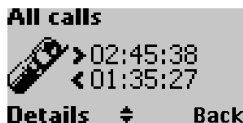
Call timers

The length of the last call, total accumulated time of all calls, and total time of calls for Line 1 and Line 2 are stored.

Times for calls made and received through the home subscription network and through other networks are displayed in **Details** **o**.

To view call timers,

- 1 Press **b**. Select **Calls & Timers**.
- 2 Select **Call timers**.
- 3 Select **Show**.
- 4 Use **u** or **d** to view **Last call**, **All calls**, **Calls L1**, and **Calls L2**. The top time (>) indicates time of outgoing calls and the bottom time (<) indicates time of incoming calls.
- 5 Press **Details** **o** for call times on My network, National roaming, and International roaming calls.



Balance information (subscription service only)

This subscription service provided by some networks enables you to ask for your remaining airtime balance. This information is sent by the network. Contact your service provider for details.

- 1 Press . Select **Calls & Timers**.
- 2 Select **Call timers**.
- 3 Select **Balance information**.
- 4 Select **Call** or **Set number**.

- If **Call** is selected and the balance information number is entered, the balance information center is dialed.
- If a number has not been entered, select **Set number** and enter the number. Press **OK** to store your number or to store and dial the information center number.

- 5 Press when the call is ended.

Reminder - Call duration (Model G340 only)

A call duration reminder beeps to remind you of how long you have been on a call. It can be set in 1 minute increments (1 - 59 mins).

- 1 Press . Select **Calls & Timers**.
- 2 Select **Call timers**.
- 3 Select **Reminder**. Select **On** (or **Off** to turn off).
- 4 Enter 2 digits (to signify 1 to 59 mins). Press **OK** .
- 5 Press **Back** or to return to the standby display.

Reset call timer

To reset all the call timers,

- 1 Press . Select **Calls & Timers**.
- 2 Select **Call timers**.
- 3 Select **Reset**.
- 4 Select **Yes** (or **No** to exit).
- 5 Enter your 4-digit phone lock code and press **OK** . A confirm message will appear.
- 6 Press **Back** or to return to the standby display.

Call costs - management (subscription service only)

Some networks offer an Advice of Charge (AoC) subscription service to see the cost of the last call made, the accumulated total cost of all calls, and the remaining balance in units or currency of any 'cost limit' set.

To display these costs in the currency of your choice, first select the currency and cost per unit. If not selected, call costs in units will display.

To set currency and cost per unit,

- 1 Press **⏏**. Select **Calls & Timers**.
- 2 Select **Call costs**.
- 3 Select **Display cost type**.
- 4 Select **Currency**. The present currency settings display.
- 5 Press **Edit** **⏏**. Enter the PIN 2 code and press **OK** **⏏**.
- 6 Enter the abbreviated letters of the currency. Press **OK** **⏏**.
- 7 Enter the cost per unit in the selected currency.
Press **OK** **⏏** to confirm. The display will confirm your selection.
- 8 Press **Back** **⏏** or **⏏** to return to the standby display.

To set call cost type to units,

- 1 Press **⏏**. Select **Calls & Timers**.
- 2 Select **Call costs**.
- 3 Select **Display cost type**.
- 4 Select **Units**.
- 5 Press **Back** **⏏** or **⏏** to return to the standby display.

When the cost type is set to units, the credit limit and the remaining credit are shown in units.

Setting the credit limit - in units or currency






After setting the currency and cost per unit, if desired and available in your subscription, you can also set a credit limit in units or an amount in the currency of your choice. When the credit limit is reached, the phone cannot make or receive any chargeable calls. This does not prevent the phone from making emergency calls.

- 1 Press **⏏**. Select **Calls & Timers**.
- 2 Select **Call costs**.
- 3 Select **Credit limit**. Display shows the present credit limit.
- 4 Press **Edit** **⏏**. Enter the PIN 2 code and press **OK** **⏏**.
- 5 Enter the credit limit (use **#** to enter a decimal point). Press **OK** **⏏** to confirm.
- 6 Press **Back** **⏏** or **⏏** to return to the standby display.

When a credit limit is entered, the 'Credit Limit' selection will be Edit or Set No Limit.

Show costs





If offered by your service provider, you can view the cost of your last call, all calls, and your remaining credits.

- 1 Press . Select **Calls & Timers**.
- 2 Select **Call costs**.
- 3 Select **Show**.
- 4 Use  or  to display the cost of the **Last Call, All Calls** and the **Remaining credits**.
- 5 Press **Back**  or  to return to the standby display.

The remaining credit is shown in either units or currency as set by Cost Type menu above.








Call costs - resetting all costs to zero

To reset all the call costs to zero,

- 1 Press . Select **Calls & Timers**.
- 2 Select **Call costs**.
- 3 Select **Reset**.
- 4 Select **Yes** to reset the costs or **No** to exit.
If **Yes** is selected, enter the PIN 2 number and press **OK** .
All Costs Reset will briefly display.
- 5 Press **Back**  or  to return to the standby display.

Alternate line service - selecting line 2 (subscription service)

Some GSM 1900 operators offer the use of a second line. This is normally a subscription service and allows, for example, separating incoming and outgoing calls for business or private use. Line 2 has a separate PCS number.

- 1 Press . Select **Calls & Timers**.
- 2 Select **Line selection**. The current line selection displays.
- 3 Use  or  to scroll to the desired line.
Press **Select**  or .
- 4 Press **Back**  or  to return to the standby display.

Services

Call forwarding (network service)

Call forwarding service forwards incoming calls, whether voice, fax or data, to another number.

To set up call forwarding,

- 1 Press . Select **Services**.
- 2 Select **Call forwarding** for the following menu:

Forward options	Action
All Voice calls	Forwards all incoming voice calls unconditionally
When not reachable	Forwards all voice calls only when the phone cannot be reached (out of service)
On no reply	Forwards all voice calls only when the phone does not answer
When busy	Forwards all voice calls only when the phone is busy
All conditions	Forwards all voice calls only during 3 conditions; When not reachable, On no reply and When busy
Cancel all	Cancels all Forwards
All FAX calls	Forwards all incoming fax calls unconditionally
All DATA calls	Forwards all incoming data calls unconditionally

- 3 Use or to select the desired forwarding condition, then press .
- 4 Select **Activate**.
- 5 Select **Names** or **Number**.
- 6 If **Names** was selected, choose the number to forward your incoming calls to from the Phone Book. If **Number** was selected, enter a phone number. Press **Select** or **OK** . **Requesting** displays. The network will confirm your request.
- 7 Press **Back** or to return to the standby display.

Call forwarding notes

- If the 'On no reply' option is selected, you must enter a delay period of 5, 15, or 30 seconds.
- Call forwards for Line 1 and 2 must be set for each line. During call forward set up, only the line currently selected is affected. To choose a call forward for the other line, you must select this other line first (see Alternate line service on page 45).

To cancel or check the status of individual call forwards,

- 1 Press **Ⓛ**. Select **Services**. Select **Call forwarding**.
- 2 Select the desired forward option and press **Ⓛ**.
- 3 Select **Cancel** or **Status**. **Requesting** displays. The network will confirm your request.
- 4 Press **Back** **Ⓛ** or **Ⓜ** to return to the standby display.

To cancel all (multiple) call forwards,

- 1 Press **Ⓛ**. Select **Services**. Select **Call forwarding**.
- 2 Select **Cancel all**.
- 3 Select **Cancel**. **Requesting** displays. The network will confirm your request.
- 4 Press **Back** **Ⓛ** or **Ⓜ** to return to the standby display.

- This action cancels all voice forwards (for voice, faxes and data calls) for the line currently in use. To cancel call forwards for the other line you must select this other line first (see Alternate line service on page 45).

Caller Line Identity - showing/hiding your PCS number

Most networks allow the Caller Line Identity feature (CLI) which shows the incoming number (ID) while receiving a call. Select **Receiving caller ID** to check if this is available from your network.

Receiving caller ID

To check if a network presents the ID of incoming calls,

- 1 Press **Ⓛ**. Select **Services**.
- 2 Select **Receiving caller ID**. **Requesting** displays. The network will return either **Calling user ID available** or **Calling user ID unavailable**.
- 3 Press **Back** **Ⓛ** or **Ⓜ** to return to the standby display.

On networks which allow caller line identity, to disable sending your own number on a call by call basis,




- 1 Enter **#31#** before the number you are calling.

If your service provider has disabled sending your PCS number, then to show your number on a call by call basis,




- 1 Enter ***31#** before the number you are calling.

Standard network setting




Finding out your current ID setting

- 1 Press . Select **Services**.
- 2 Select **Sending my ID**.
- 3 Select **Status. Requesting** displays. The network will respond with your current setting.
- 4 Press **Back**  or  to return to the standby display.

Hiding or showing your number

- 1 Press . Select **Services**.
- 2 Select **Sending my ID**.
- 3 Select **My settings**.
- 4 Select **Hide my ID** or **Show my ID. Requesting** displays. The network will respond with an appropriate message.
- 5 Press **Back**  or  to return to the standby display.

To reset the standard network setting for sending your PCS number,

- 1 Press . Select **Services**.
- 2 Select **Sending my ID**.
- 3 Select **My settings**.
- 4 Select **Preset. Requesting** displays. The phone resets to the network setting agreed to with your service provider.
- 5 Press **Back**  or  to return to the standby display.



Network

When the phone is turned on, it automatically searches for the last network it was registered on (usually the home network). If this is not available, the phone will automatically search and select a network from the preferred network list contained in the SIM.





Editing the preferred list

The phone contains a list of networks which can be selected and transferred to the preferred networks list stored in the SIM. While traveling, you may wish to choose a particular network to use.

To edit or change the order and name of the networks in the preferred networks list,




- 1 Press . Select **Services**.
- 2 Select **Network**.
- 3 Select **Preferred list**. A Preferred list screen appears with several [...] signifying empty lines.
- 4 The highlighted [...] will be filled with your choice. Press **Options** .
- 5 Select one of these options:

Option	Description
Modify by list	Displays the general list of all known networks contained in the phone in alphabetical order
Modify by code	Edits or enters a network number (MCC MNC) if you know this information
Delete	Deletes an entry (appears only when network name is already listed)

- 6 A list of networks displays. Scroll to your preferred network and highlight it. Press **Select**  to place your selection in the preferred list.
- 7 To add more to the list, scroll to the next empty line [...] and continue with step 4. To replace or delete an entry on your preferred list, highlight the entry, press **Options**  and continue with step 5.
- 8 Press **Back**  or  to return to the standby display.

Your SIM may contain a forbidden list of networks which cannot be used. The SIM also stores the home network name.

To view the forbidden list or show the home network,

- 1 Press . Select **Services**.
- 2 Select **Network**.
- 3 Select either **Forbidden** or **Home network**. A list of forbidden networks or the home network displays.
- 4 Press **Back**  or  to return to the standby display.

Selecting automatic search (normal default setting)

To perform an automatic search from the preferred list,

- 1 Press **⏪**. Select **Services**.
- 2 Select **Network**.
- 3 Select **Search**.
- 4 Select **Automatic**. An automatic search is performed.
- 5 Press **Back** **⏩** or **⏪** to return to the standby display.

Selecting manual search

When you wish to select a specific network which has better coverage in your current location, choose manual network search.

- 1 Press **⏪**. Select **Services**.
- 2 Select **Network**.
- 3 Select **Search**.
- 4 Select **Manual**. **Scanning for Networks** displays, followed by a list of the networks found.
- 5 Choose a network and press **⏪**.
- 6 **Requesting** displays. The network will send a confirmation.

You cannot delete a network from the forbidden list. This list automatically updates when the manual network selection is performed.





Call barring (network service)

Call barring stops certain types of calls from being made or received. You must use a call barring password available only from your service provider.





To put on a call bar,

- 1 Press **⏪**. Select **Services**.
- 2 Select **Call barring**.
- 3 Select **Outgoing calls** or **Incoming calls**. Choose from:




Options	Description
Outgoing - All outgoing	All outgoing calls are barred
- Int'nal calls	Only outgoing international calls are barred
- Int'nal excl. home	All outgoing international calls except to other subscribers within your home network
Incoming - All incoming	All incoming calls are barred
- Roaming only	All incoming calls when not on the home network

- ④ Select the desired option. Press **Select** .
- ⑤ Select **Activate**. Enter the call barring password and press **Select** .
The network will respond with a confirm message.
- ⑥ Press **Back**  or  to return to the standby display.

To remove or check the status of a call bar,

- ① Press . Select **Services**.
- ② Select **Call barring**.
- ③ Continue with step 3 above, then select **Cancel** to remove a call bar or select **Status** and press .
If removing a call bar, the password is required.
- ④ Press **Back**  or  to return to the standby display.

To change the Call bar password,



- ① Press . Select **Services**.
- ② Select **Call barring**.
- ③ Select **Change password**.
Enter the old password. Enter the new password, then enter it again to confirm. The network will confirm.
- ④ Press **Back**  or  to return to the standby display.

Closed user group, CUG (subscription service only)




This network service allows the phone to make or receive calls only from selected groups of people. The groups, level of access, and if one of the groups has preferential calling access is set up at the time of subscription. This is mainly for businesses wishing to use closed, internal communications. This feature is not available for personal use.



Up to 10 groups may be set up. Unauthorized calls made or received from numbers outside the group are not permitted.

To turn on and off CUG and select type of CUG service,

- ① Press . Select **Services**.
- ② Select **CUG**. The current CUG status displays.
- ③ Press **Set**  to display these options:

Options	Description
No CUG	CUG is off. No groups active. Calls can be made outside the group
Partial CUG	Limited calls to and from users outside the group and from users within the group
CUG Only	Only able to make and receive calls from users within the group

4 Use  or  to select an option. Press . Follow the display prompts.

5 Press **Back**  or  to return to the standby display.

'No CUG' is the setting for normal use.

Broadcast - cell broadcast (CB) messages


These are messages broadcast by the networks to all GSM customers. They provide general information about local area dialing codes, weather reports and traffic news, etc. Each type of message is coded so you can choose the type of information you want to receive. Up to 5 different types of messages can be stored in your selection list but only one can be displayed at a time.

There are 16 standard message types stored in the phone. Choose up to 5 message types to receive. Contact your service provider for details on the types of CB broadcast messages available.

Before you can turn on the broadcast service, you have to put at least one message type in the Selected types list.


Enter a message type



Up to 5 message types can be stored in your 'Selected types' list.



1 Press . Select **Broadcast**.

2 Select **Message types**. Press **Options** .

3 Select **Modify by list** or **Modify by code** (if code number is known).

4 Scroll to the desired message type. Press **Select**  to add the message type. The display confirms your choice.

5 To add more message types, press  to highlight an empty row [...]. Press **Options**  and continue at Step 3.

6 Press **Back**  or  to return to the standby display.

Change or delete a message type

Message types put into the 'Selected types' list can be changed or deleted.

- 1 Press . Select **Broadcast**.
- 2 Select **Message types**.
- 3 Scroll to the message type you wish to change or delete.
Press **Options** .
- 4 To change a message type, select **Modify by list** or **Modify by code** and continue with Step 4 in Enter a message type.
- 5 To delete a message type, select **Delete**.
- 6 Press **Back** or to return to the standby display.

Standard message type codes chart


Code No.	Description	Code No.	Description
000	Index	040	Weather Reports
010	Information Flashes	050	District Messages (STD Codes)
020	Hospitals	052	Network Information
022	Doctors	054	Operator Services
024	Pharmacies	056	Directory Services (National)
030	Long distance Road Reports	057	Directory Service (International)
032	Local Road Report	058	Customer Care (National)
034	Taxis	059	Customer Care (International)

To turn on or off CB broadcast service


- 1 Press . Select **Broadcast**.
- 2 Select **On/Off**.
- 3 Select **On** or **Off**.
- 4 Press **Back** or to return to the standby display.


When the broadcast service is turned on continuously, the battery standby time is reduced.

Reading broadcast messages

Broadcast messages are shown in the standby display only. They are suppressed during conversation or menu operation. A message can be up to 93 characters in length and cover several pages. Pages will scroll automatically approximately every five seconds or press  to scroll.

Options during message display

Press **Clear**  to clear the message currently displayed.

Press  to dial the number shown within the message.

Press **Options**  for these options:

Option	Action
Delete	Delete the current message
Delete All	Deletes all messages stored in the queue
Numbers	Displays all phone numbers in message text. Option to dial or store in scratchpad
Broadcast Off	Turns off cell broadcast

Broadcast message alert tone

To hear a tone each time a broadcast message arrives,

- 1 Press . Select **Broadcast**.
- 2 Select **Alert**.
- 3 Select **On** or **Off**.
- 4 Press **Back**  or  to return to the standby display.

Broadcast language

If provided, the cell broadcast language used is the same as the one selected for use in the phone's menu.






Settings - customizing your phone

Keypad lock

When keypad lock is activated, it prevents accidental key presses and menu access. The key tones are also silenced.




Keypad lock is suspended during incoming calls and resumed when the call ends. Emergency calls can still be made.

To activate or deactivate keypad lock,

- 1 Press **Lock**  plus  to activate keypad lock.  displays.
- 2 Press **Unlock**  plus  to deactivate keypad lock.

 Keypad lock is cancelled when connected to the handsfree car kit.







To activate or deactivate keypad lock from the menu,

- 1 Press . Select **Settings**.
- 2 Select **Keypad lock** to activate keypad lock.
- 3 Press **Unlock**  plus  to deactivate keypad lock.

Language selection

If offered by your service provider, all the display messages can be shown in one of three languages: English, French, or Spanish.

To select the language of your choice,

- 1 Press . Select **Settings**.
- 2 Select **Language**.
- 3 Use  or  to select a language from the list. Press .
- 4 Press **Back**  or  to return to the standby display.




 To reset the phone to the language of the SIM, enter *#0000#.

To reset the phone language to English, enter *#0044#.

Tones - Alert mode

There are two ways to turn off the incoming ring tone, key tones and all alert tones and (Model G340) alarm tones. For Model G340, if either 'Vibrate' or 'Vibrate then ring' options are chosen, all alert and alarm tones are replaced by the vibrating action.

Shortcut to turn alert tones on or off,

- 1 Press  to display **Ring** or **Silent** (G310) or **Ring, Vibrate, Vibrate & ring**, or **Vibrate then ring** (G340).
- 2 Scroll to desired setting. Press  to select. If Silent is selected,  will display. For Model G340, if any of the vibrate options are selected, the phone will vibrate briefly.

To turn alert tones on or off from the menu,

- 1 Press . Select **Settings**.
- 2 Select **Tones**.
- 3 Select **Alert tones**.
- 4 Select **Ring** or **Silent** (G310) or **Ring, Vibrate, Vibrate & ring**, or **Vibrate then ring** (G340).
- 5 Press **Back** or to return to the standby display.

- 1. If Ring is selected but the ring tone volume is set to Off, the icon will display.
- 2. This setting is not saved when the phone is turned off.
- 3. When the phone is connected to either the Desk Top Charger, Handsfree Kit, CLA, or AC adapter, the vibrator mode cannot work so the phone will ring instead.
- 4. The icon appears if any Vibrate options are selected. It takes precedence over the icon.

Ring tone selection

Choose the sound of the incoming ring tone from a stored selection. To hear your chosen ring tone or melody, wait several seconds before confirming your choice. The tone or the melody will play.

To select a ring tone,

- 1 Press . Select **Settings**.
- 2 Select **Tones**.
- 3 Select **Ring tone**.
- 4 Use or to scroll to the different ring tones. Wait several seconds to hear the tone. After choosing a tone, press to select the tone.
- 5 Press **Back** or to return to the standby display.

- Separate tones must be selected for Line 1 and Line 2.

Volume adjustments

Volume levels of the ring tone, key tones and incoming audio can all be adjusted.

Shortcut to volume adjustment:

- 1 Press . Continue with step 4 below.

To adjust volume from the menu,

- 1 Press . Select **Settings**.
- 2 Select **Tones**.
- 3 Select **Volume**.

- 4 Select **Ring, Ramping, Keys, Conversation** or **Alarm tones** (G340).

The display will name the volume type to be adjusted.



- 5 Use \uparrow or \downarrow to adjust the setting.
- 6 Press **OK** \rightarrow to confirm.
- 7 Press **Back** \leftarrow or \curvearrowright to return to the standby display.

For ring tone and key tone, the lowest setting is off.

During a call, you can adjust the volume by using \uparrow or \downarrow .

Ramping

Ramping causes the incoming ring tone to gradually increase to maximum volume level if the call is not answered after the first ring.

- 1 Press \rightarrow . Select **Settings**.
- 2 Select **Tones**.
- 3 Select **Volume**.
- 4 Select **Ramping**.
- 5 Select **On** or **Off**.
- 6 Press **Back** \leftarrow or \curvearrowright to return to the standby display.

Backlight - setting

This option controls the backlight during key entry or incoming ring tone. There are two settings:

- **On for 10 sec.:** Display and key backlight stay on for 10 seconds after the last key press or incoming call.
- **Off:** Backlight stays off.

- 1 Press \rightarrow . Select **Settings**.
- 2 Select **Display**.
- 3 Select **Backlight**.
- 4 Select either of the two settings. Press \rightarrow to confirm.
- 5 Press **Back** \leftarrow or \curvearrowright to return to the standby display.

Display contrast

To modify the display contrast,

- 1 Press . Select **Settings**.
- 2 Select **Display**.
- 3 Select **Contrast**.
- 4 Adjust the contrast using or . Press **OK** to confirm.
- 5 Press **Back** or to return to the standby display.

Any key answer

This feature enables any key (except and **Silence**) to be pressed to answer an incoming call.

- 1 Press . Select **Settings**.
- 2 Select **Keys**. Select **Any key answer**.
- 3 Select **On** or **Off**.
- 4 Press **Back** or to return to the standby display.

Softkeys functions (Model G340 only)

The right and left softkey shortcut can be changed so your standby display can have a shortcut to the menus of your choice. The options available are shown in the menu during selection.

Shortcut to Softkeys functions:

- 1 Press and hold or .
- 2 Use or to scroll through the softkey option choices.
- 3 Press **Select** to select an option.
- 4 The screen will confirm your selection and return to the standby display, which shows your new softkey function.

To change softkey functions from the menu:

- 1 Press . Select **Settings**.
- 2 Select **Keys**.
- 3 Select **Softkey functions**.
- 4 Select **Left softkey** or **Right softkey**.
- 5 Use or to scroll through the softkey option choices.
- 6 Press **Select** to select an option.
- 7 Press **Back** or to return to the standby display, which shows your new softkey function.

If **(.....)** appears, it means a previously SIM dependent or subscription service assigned to that softkey is no longer available, for example, Line 2 selection.

Speed dial

See Speed dialing on page 37 to set up Speed dialing.

Auto answer

When the phone is connected to a handsfree car kit or headset, the phone will automatically answer an incoming call after approximately 5 seconds without having to press any keys.

- 1 Press **ⓘ**. Select **Settings**.
- 2 Select **Auto features**.
- 3 Select **Auto-answer**.
- 4 Select **On** or **Off**.
- 5 Press **Back** **⏪** or **⏩** to return to the standby display.

Auto retry

The phone will automatically redial the number of a failed call up to 10 times, due to a busy system or unavailable signal from the network.

- 1 Press **ⓘ**. Select **Settings**.
- 2 Select **Auto features**.
- 3 Select **Auto-retry**.
- 4 Select **On** or **Off**.
- 5 Press **Back** **⏪** or **⏩** to return to the standby display.

When activated, **Auto-retry** appears each time a redial call attempt is made, followed by a warning tone. If it is successful, proceed with the call. Press **Back** **⏪** or any key during **Auto-retry** to end dialing for that call.

Security features

The following security features protect your phone from unauthorized use.

Tips on using security codes:

- When requested, enter the code, which appear as asterisks (*), and press **OK** **⏹**.
- If you make a mistake, press **Clear** **⏴** then enter the correct digit(s).
- Do not use codes such as emergency 911 to prevent accidentally dialing these numbers.

**Keep a record of your codes and keep them in a safe place.
Failure to do so will cause you great inconvenience.**

Phone lock code

The phone lock code, supplied with the phone, prevents unauthorized access to the phone.

The factory setting is 0000. We suggest that you reset this code and keep it in a safe place, separate from the phone.

When Phone lock is turned on, the phone lock code must be entered each time the phone is turned on. The phone lock code is also required to reset the call timers.

To change the phone lock code,

- 1 Press . Select **Settings**.
- 2 Select **Security**. Select **Phone lock**.
- 3 Select **Change code** and follow the display prompts.
- 4 Press **OK** to confirm the new code.
- 5 Press **Back** or to return to the standby display.

To turn Phone lock on or off,

- 1 Press . Select **Settings**.
- 2 Select **Security**. Select **Phone lock**.
- 3 Select **On** or **Off**.
- 4 Enter the phone lock code to confirm your selection.
- 5 Press **Back** or to return to the standby display.

Emergency calls can still be made when Phone lock is turned on.

PIN code

Your SIM is provided with a 4 to 8-digit PIN code to protect it from unauthorized use. When PIN code lock is enabled, the PIN code must be entered each time the phone is turned on. If you enter the wrong PIN code three times in a row, your SIM card is blocked and you must enter the 8-digit PUK code supplied from your service provider (see page 61).

To enable or disable the PIN code lock,

- 1 Press **⏏**. Select **Settings**.
- 2 Select **Security**.
If already off, **PIN enable** will show.
If already on, **PIN disable** and **PIN change** will show.
- 3 Press **Select** **⏏** and follow the display prompts.
- 4 Press **OK** **⏏** to confirm.
PIN enabled or **PIN disabled** briefly displayed will confirm your action.
- 5 Press **Back** **⏏** or **⏏** to return to the standby display.

To change the PIN code (PIN lock must first be enabled),

- 1 Press **⏏**. Select **Settings**.
- 2 Select **Security**.
- 3 Select **PIN change** and follow the display prompts.
- 4 Press **OK** **⏏** to confirm your new PIN. Confirmation will display.
- 5 Press **Back** **⏏** or **⏏** to return to the standby display.

PIN2 code

The PIN2 code prevents unauthorized access to some features such as turning on or off FDN operations, modifying the FDN Phone Book, setting calls costs to zero, or modifying the costs display. It can be changed but not turned on or off.

To change the PIN2 code,

- 1 Press **⏏**. Select **Settings**.
- 2 Select **Security**.
- 3 Select **PIN2 change** and follow the display prompts.
- 4 Press **OK** **⏏** to confirm your new PIN2 code.
- 5 Press **Back** **⏏** or **⏏** to return to the standby display.

PUK code

The PUK (PIN unblock key) 'unblocks' a PIN whose code has been entered incorrectly three times. This 8-digit code, supplied by your network provider, cannot be changed.

When requested, enter the PUK code and press **OK** **⏏**. Then you must enter a new PIN code. Follow the display prompts to reset the PIN code.

- If you enter the wrong PUK code 10 times in a row, your SIM card cannot be used again.
Contact your service provider for a new card.

PUK2 code

The PUK2 unblocks a PIN2 whose code has been entered incorrectly three times. This 8-digit code, supplied by your network provider, cannot be changed.

When requested, enter the PUK2 code. Then you must enter a new PIN2 code. Follow the display prompts to reset the PIN2.

- If you enter the wrong PUK2 code 10 times in a row, you will be unable to use the features requiring the PIN2 code. Contact your service provider for a new card.

Call barring password

The call barring password, supplied by your network provider, selects the call barring levels listed in the **Services - Call Barring** menu (see page 50).

To change the Call barring password,

- 1 Press **Ⓛ**. Select **Services**.
- 2 Select **Call barring**.
- 3 Select **Change password** and follow the display prompts.
- 4 Press **OK** **Ⓛ** to confirm.
- 5 Press **Back** **Ⓛ** or **Ⓛ** to return to the standby display.

Code/password entry summary

Password	Length	Number of tries allowed	If blocked or forgotten
Unlock code	4 digits	Unlimited	Return phone to manufacturer
PIN	4-8 digits	3	Unblocked by PUK code
PIN2	4-8 digits	3	Unblocked by PUK2
PUK	8 digits	10	Contact your service provider
PUK2	8 digits	10	Contact your service provider
Call barring password	4 digits	Network determined	Contact your service provider

Time & Date setting - Model G340 only

To set the current time,

- 1 Press . Select **Settings**.
- 2 Select **Time & date**.
- 3 Select **Set time**.
- 4 Enter the time using the number keys. Enter 0 (zero) first for single digit hours and minutes. In the standby display, the zero before the hour digit will not appear. Use and to move the cursor. Press **OK** to set.
- 5 Select **am** or **pm**.
- 6 Press **Back** or to return to the standby display.

To set the current date,

- 1 Press . Select **Settings**.
- 2 Select **Time & date**.
- 3 Select **Set date**.
- 4 Enter the date using the number keys. When entering date, format is month/day/year. Enter 0 (zero) first for single digit months and days. Enter all four digits of the year. Use and to move the cursor.
In the standby display, the year and the zero before the month and day will not appear.
- 5 Press **OK** to set.
- 6 Press **Back** or to return to the standby display.

- Time and date appear only while the phone is turned on. The year will not appear.
- An internal battery maintains the date and time setting for up to 3 hours when the phone is turned off and without a battery, or with a completely discharged battery attached. After this 3 hour period, you may need to reset the clock when the phone is turned on again.
- An error message appears if you make an incorrect entry.

Default (factory) settings

Use **Default Settings** to return the phone settings back to the factory settings. This has no effect on the Phone Book entries or phone lock code.

- 1 Press **⏏**. Select **Settings**.
- 2 Select **Default settings**.
- 3 Select **Yes** or **No**.
- 4 Press **Back** **⏪** or **⏩** to return to the standby display.

Factory default settings:

Feature	Factory setting
Alert Tones	Ring
Ring Tones	Ring tone 1
Volume, Ring, Key, Conversation Alarm (G340 only)	Mid values
Backlight Contrast	On for 10 sec. Mid value
Any key answer, Auto-retry and Auto-answer features	Off
Ramping	Off


Office Tools

Office Tools menu contains a scratchpad and currency converter. Model G340 includes an Alarm clock feature.

Scratchpad

Scratchpad can store up to 5 separate entries of 20 characters each.

- 1 Press **⏏**. Select **Office Tools**.
- 2 Select **Scratchpad**.
- 3 Select **Read**. Use **⏶** or **⏷** to scroll through the entries. Select **Write** to make a new scratchpad entry. See Entering text on page 28. If available, the entry screen will be in T9® Text Input mode (see page 30). Press and hold desired key to enter a number. When entering phone numbers, do not enter spaces or dashes. The entry will be date and time stamped.

Press **Options**  for these options while in Read mode:








Item	Action
Store *	To save a number to the phonebook
Edit	Modifies an entry
Delete	Deletes an entry
Delete all	Deletes all entries
Call *	Calls the number displayed in the entry

* These items appear only if the scratchpad entry is a telephone number.

Currency converter






To use the currency converter, you must first set up the currencies and the exchange rate. The conversion is calculated on the per unit exchange rate of the second currency selected.

To select the currencies and the exchange rate,

- 1 Press . Select **Office Tools**.
- 2 Select **Currency converter**.
- 3 Select **Settings**.
- 4 Enter the first currency name (e.g. Dollar). Press **OK** .
Enter the second currency name (e.g. Yen). Press **OK** .
- 5 Enter the exchange rate using  to enter a decimal point.
Press **OK**  to confirm the entry.
- 6 Press **Back**  or  to return to the standby display.

If you wish to use your Currency converter as a Euro converter for participating currencies to the European Monetary Union ("Euroland currencies"), please enter the complete Euro exchange rate with at least three significant figures. For example: 1 Euro = £ 1.52.

To calculate the conversion between the chosen currencies,

- 1 Press . Select **Office tools**.
- 2 Select **Currency converter**.
- 3 Select one of the two first options.
In our example: either **Dollar->Yen** or **Yen->Dollar**.
- 4 Enter the amount to be converted.
Press  to insert a decimal point, if needed.
Press **OK** . The converted amount displays.
- 5 Press **Back**  or  to return to the standby display.

Conversion from one Euroland currency to another, or to non-Euroland currencies, should normally follow "triangulation" rules (i.e. conversion of local currency to Euro and then Euro to other local currency). Your Currency converter cannot do this. Your result will be only a close approximation.

Alarm clock - Model G340 only

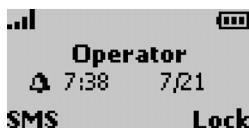
You can set a daily 'Power On' or a daily 'Reminder alarm.'

Caution - Please remember to turn off the alarm feature when boarding an aircraft where cellular phone use is not permitted. You can also remove the battery after turning off the phone. See the Safety warnings on page 16.

To set a time and turn on the alarm,

- ❶ Press **b**. Select **Office Tools**.
- ❷ Select **Alarm clock** (If a previous alarm time was entered, then that time displays).
- ❸ Select **On**. Enter the alarm time using 0 (zero) for single digit hours or minutes. Press **OK**.
- ❹ Select **am** or **pm** and press **Select**.
Stored displays briefly.
- ❺ Press **Back** or **Home** to return to the standby display.
🔔 icon appears on screen next to the current time.

When set to On, the alarm will operate at the same time every day until turned Off.



When alarm time arrives, an alarm sounds for up to to 1 minute. **Alarm clock!** and vibrating bell icon appear and the LED light flashes red.

Silence turns off the alarm tone only. **Valid** validates the alarm (that is, turns off the alarm until the next day). To clear (turn off) the alarm permanently, you must select Off in the Alarm clock menu. See next page.

If the phone is off at alarm time, the phone will automatically turn on and the alarm tone sounds and display messages appear.

To use as a Reminder or Snooze Alarm,

Press **Silence**, or any other key (except **Valid**) to stop the alarm tone. The alarm icon and **Alarm clock!** warning remain on screen. The alarm rings again 3 minutes later.




or

Press **Valid** to validate the alarm (that is, turn it off until the next day).

Alarm clock notes

- If the phone is turned off and is locked or the PIN lock is set, the alarm will turn on the phone. However, the phone remains blocked until you enter the phone lock code or PIN code.
- If the alarm tone is turned off but **Valid.** softkey is not pressed, the alarm indicators remain for up to 15 minutes. Then the phone reverts back to the standby display.
- The alarm rings for 1 minute until any key (except **Valid.** softkey) is pressed to stop the alarm tone. The alarm is still active, and it repeats 3 minutes later. If **Valid.** softkey is not pressed after the third alarm tone, the alarm is not repeated but the phone remains turned on and in the alarm display mode for up to 15 minutes. Then it reverts back to the standby display.
- If the alarm time arrives during a call, an 'In Call' alert beep sounds every 20 seconds. Press **Valid.** softkey to turn off alarm.
- If the alarm time arrives while dialing or receiving a call, the alarm is suspended until the call connects. An 'In Call' alert beep sounds every 20 seconds.
- If the phone is turned off when alarm time arrives, the phone will turn on. If the alarm is not validated, the phone remains on for 15 minutes, then turns off.
- If the battery is detached less than 15 minutes before alarm time, the alarm sounds immediately. Press **Valid.** softkey to turn off the alarm. If more than 15 minutes, only the visual indicators appear.

To turn off the alarm permanently,

- 1 Press . Select **Office Tools**.
- 2 Select **Alarm clock**.
- 3 Select **Off**. Confirmation displays.
- 4 Press **Back**  or  to return to the standby display.

Appendix

Accessories list

Handsfree kits	Part numbers
Headset (earphone + microphone)	HDS-P2
Simple Holder with bracket (mounts in car to hold phone)	HLD-P7
Simple Handsfree Kit (with Simple Holder, Cigarette Lighter Adapter base & microphone)	HFK-P10
Batteries and Chargers	Part numbers
Standard battery (NiMH-S)	SBT-P10
Desktop Battery Charger (for phone + spare battery)	QCK-P9
AC adapter 120V (for battery charging using wall outlet)	ACP-P4
Cigarette Lighter Adapter - plug one end into car cigarette lighter, other end into phone jack to use and charge phone in your car	CIG-P7
Miscellaneous	Part numbers
Faceplate Kit for Model G310 (available in a variety of color combinations)	FPLATE-Pvaries
Leather Case (for Model G310)	G310CSE
Leather Case (pouch type for Model G340)	G340PCH
Belt Clip w/Button	CLP-P6
Data and fax	Part numbers
PC cable (RS232C)	PCC-P2
Contact Data Kit (Software + PC cable) To use data and fax numbers, refer to the instructions in the Contact Data kit and/or contact your service provider for details. Also allows you to create and download melodies, manage abbreviated dial numbers, and perform SMS functions on your PC.	PCM-P3

To purchase accessories, contact your service provider or shop online at www.mitsubishiwireless.com.

Glossary

Term	Description
AC adapter	Alternating Current adapter
Active call	The call currently in conversation
ALS	Alternate Line (Line 2) Service
AoC	Advice of Charge - subscription service
CB	Cell Broadcast
CLI	Caller Line Identity - displays caller's telephone number
Conversation mode	When the phone is making or receiving a call
CUG	Closed User Group - requires network support
DTMF	Dual Tone Multifrequency Tones
FDN	Fixed Dialing Number
Forwarding	Forwards incoming calls to another number
GSM	Global System for Mobile communications
IN	Information Numbers of your service provider
LCD	Liquid Crystal Display
LED	Light Emitting Diode
PIN/PIN2	Personal Identification Number. Supplied by your network/service provider
PUK/PUK2	PIN Unblocking Key. Used to unlock PIN and PIN2. Supplied by your network/service provider
Roaming (Rm)	The ability to use your telephone on networks other than your home network at home or abroad
SDN	Service Dialing Number of your service provider
SIM	Subscriber Identity Module. Supplied by your network/service provider
SMS	Short Message Service
SR	Status Report - relates to SMS messages
Standby mode	When the phone is on, registered onto a network but not making or receiving a call

Troubleshooting

Problem	Possible cause and solution
Phone will not turn on	<ul style="list-style-type: none">• Check that the battery is fully charged and correctly connected to the phone
Charging LED not lit red and no flashing battery icon	<ul style="list-style-type: none">• Check wall outlet. Power may be out• The AC/DC charger may be defective. Return it to your dealer, try another Mitsubishi adapter
Short standby and talk times	<ul style="list-style-type: none">• Cell broadcast is permanently on, using more battery power• Phone is in a poor signal area and therefore always on full power• Incorrect charging and discharging. Always charge and discharge your battery fully• The battery is wearing out. Replace the battery
Calls cannot be made or received	<ul style="list-style-type: none">• Check that you have at least one signal strength bar (📶). Try in a stronger signal strength area• If the name of a network is not displayed, check that your SIM is OK, check registration with your service provider• Call barring option is turned on. Turn it off (see page 50)• Call cost limit is reached (see page 44)
Stored telephone numbers cannot be recalled	<ul style="list-style-type: none">• Fixed Dialed Number or Call Barring features are turned on. Turn off the features (see pages 36 and 50)
Numbers cannot be entered in the display	<ul style="list-style-type: none">• Keypad lock is on (🔒 is displayed). Press Unlock (🔓) and # to turn off
Phone turns on but there is no display	<ul style="list-style-type: none">• Display contrast is turned down to low. Reset contrast (see page 58)
Battery icon (🔋) not flashing 1-2-3 during charging	<ul style="list-style-type: none">• Indicates a charging or battery problem. Turn off and disconnect the adapter. Reconnect and try again. If the problem persists, contact your dealer.
Flashing 📧	<ul style="list-style-type: none">• There is not enough memory to store another SMS message. You must delete one or more of the existing stored messages.

Error messages

Message	Possible cause and solution
Allowed credit reached!	<ul style="list-style-type: none">• Outgoing call fails because the allowed credit limit is already reached• The allowed credit limit is reached during an outgoing call (the call is then cancelled).
Busy	<ul style="list-style-type: none">• Outgoing call fails because the destination number is being used
Call failed	<ul style="list-style-type: none">• Caller's phone is turned off• CUG is in use and the call is not allowed or not recognized by the network• Network cannot take the call due to busy system• Number is out of order• Number is unreachable• Network does not answer• Option to hide your phone number when calling is not supported by the network• Control and verification of CUG parameters not confirmed, or CUG availability on network
Cancelled. No type selected	<ul style="list-style-type: none">• Cell broadcast activation has been requested but no message type is selected
Cannot execute command	<ul style="list-style-type: none">• Your request is impossible to execute in the current call situation
Can't display message	<ul style="list-style-type: none">• Short message text cannot be displayed (characters not recognized, incorrect format, etc.)
Check SIM!	<ul style="list-style-type: none">• No SIM is present or the SIM is incorrectly inserted. See page 8 for more details
Check your password	<ul style="list-style-type: none">• Call barring password was changed• Call barring service status was changed• Entered password is incorrect
Check your request	<ul style="list-style-type: none">• Your request for a service cannot be fulfilled
Check your subscription	<ul style="list-style-type: none">• Network service was requested but you have no subscription for it. Check your subscription regarding the related service use rights or access
CUG call failed	<ul style="list-style-type: none">• CUG (Closed user group) call is rejected by the network because the network does not recognize the CUG parameters• Dialed number is not in the same CUG• Dialed number has no CUG association
Error!	<ul style="list-style-type: none">• Network cannot perform your request and issues an error

Failed	<ul style="list-style-type: none"> • An SMS message cannot be sent
Incorrect entry	<ul style="list-style-type: none"> • Character string has a syntax error
Invalid number	<ul style="list-style-type: none"> • Call is rejected by the network because the network does not recognize the phone number • Phone number is too long to be stored in the selected location • Phone entry cannot be moved to location because phone number is too long
Locked! Press (Unlock)(#) to unlock	<ul style="list-style-type: none"> • A key was pressed while keypad is locked
Low battery!	<ul style="list-style-type: none"> • Battery is too low and phone will soon turn off automatically
Network busy	<ul style="list-style-type: none"> • Call is rejected by the network due to overload
Network not allowed	<ul style="list-style-type: none"> • When selecting network manual search, you have selected a network that rejects the connection
New PIN1 incorrect. Try again	<ul style="list-style-type: none"> • Second new PIN code entry is different than first
New PIN2 incorrect. Try again	<ul style="list-style-type: none"> • Second new PIN2 code entry is different than first
No action performed	<ul style="list-style-type: none"> • You tried to copy or move phone number or text to the same location
No response	<ul style="list-style-type: none"> • Call was made to a remote phone with no response
Not allowed	<ul style="list-style-type: none"> • Number or character entry is not allowed
Not allowed (fixed dialing)	<ul style="list-style-type: none"> • Call cancelled due to fixed dialing control (the number dialed does not match any of the fixed dialing numbers in memory)
Not Available	<ul style="list-style-type: none"> • No more SIM storage available
Number changed	<ul style="list-style-type: none"> • Called number has changed
PIN blocked	<ul style="list-style-type: none"> • Wrong PIN code has been entered 3 times. Enter PUK code
PIN2 blocked	<ul style="list-style-type: none"> • Wrong PIN2 code has been entered 3 times. Enter PUK2 code
PUK2 blocked	<ul style="list-style-type: none"> • Wrong PUK2 code has been entered 10 times. The SIM services protected by the PIN2 code have now been permanently disabled
Reaching allowed credit!	<ul style="list-style-type: none"> • Cost limit is about to be reached. Connected call will end automatically when limit is reached.
Ring volume Off	<ul style="list-style-type: none"> • Ring volume is set to 0 (no volume)
Service not available	<ul style="list-style-type: none"> • You have requested some services that are not available on the network

SIM blocked. Contact provider • Wrong PUK has been entered 10 times. The SIM card has been permanently disabled and must be replaced by a new one.

**SIM fixed full
SIM names full
Phone names full** • Corresponding memory is full

SMS memory locations are full • New message storage is full while writing a new SMS

Wrong code. Try again • Wrong phone lock code has been entered

Wrong new code. Try again • New phone lock codes do not match

**Wrong PIN, try again
Wrong PIN2, try again
Wrong PUK, try again
Wrong PUK2, try again** • Wrong code has been entered

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Notes

ONE YEAR LIMITED WARRANTY

MODEL G310/G340

Mitsubishi Wireless Communications Inc.
3805 Crestwood Parkway, Suite 350
Duluth, GA 30096
800-888-9879

Mitsubishi Electric Sales Canada Inc.
Corporate Service Division
4299 14th Avenue, Markham, Ont. L3R 0J2
(905) 475-7728

Mitsubishi Wireless Communications, Inc. (MWCI) warrants to the original purchaser (Purchaser) this product against defects in materials and workmanship as set forth below. If ownership of the product is transferred, this warranty is terminated. This warranty applies only to product purchased or repaired in the United States or Canada.

For the period of time specified below from the date of first retail purchase, MWCI shall at its sole and absolute opinion either repair or replace the defective product or part with a new or comparable rebuilt product or part. Mitsubishi brand accessories are covered under warranty for one year. Batteries are covered under warranty for 90 days. Carrying cases are covered under warranty for one year.

To obtain warranty service in the US, Purchaser shall contact MWCI at 1-800-888-9879 to obtain the nearest location of the MWCI authorized service center. The Purchaser should contact that authorized service center to make arrangements for repair or replacement. To obtain warranty service in Canada, please contact Mitsubishi Electric Sales Canada, Inc. (MESCA) at (905) 475-7728 or at the Canadian address above. Purchaser must present proof of purchase in the form of a retail bill of sale, invoice or other document that will show that the product is within the warranty period. No charge will be made for parts or labor directly related to the repair or replacement of the defective product or part. The repaired or replaced product will be warranted for 90 days from the date of return shipment or for the balance of the warranty, whichever is longer.

Repair or replacement, as provided under this warranty, is the only remedy provided to the purchaser. MWCI SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED DIRECTLY OR INDIRECTLY BY THE PRODUCT such as, but not limited to, interruption of

service, loss of anticipated benefits or profits, or damage to any other equipment resulting from the use or operation of the product, or arising from breach of express or implied warranties on this product. MWCI SHALL NOT BE LIABLE FOR DAMAGE TO TELEPHONE EQUIPMENT, VEHICLES, AND/OR PERSONAL PROPERTY CAUSED BY IMPROPER INSTALLATION.

THIS WARRANTY DOES NOT COVER FUSES OR CLAIMS OF DAMAGE DUE TO ALTERATION, ACCIDENT, MISUSE, ABUSE, NEGLIGENCE, IMPROPER INSTALLATION OR MAINTENANCE, CONNECTION TO AN IMPROPER VOLTAGE SUPPLY, RECEPTION PROBLEMS CAUSED BY INADEQUATE SIGNAL RECEPTION BY THE ANTENNA, LIQUID SPILLS, OR DAMAGE THAT IS ATTRIBUTABLE TO ACTS OF GOD. REMOVAL AND INSTALLATION COSTS ARE NOT COVERED BY THIS WARRANTY. COSMETIC DAMAGE, SUCH AS MARS, SCRATCHES, CRACKS, BLEMISHES, AND THE WEARING OF PRINTED LOGOS OR KEYS, IS NOT COVERED BY THIS WARRANTY. DAMAGE RESULTING FROM THE USE OF ACCESSORIES THAT ARE NOT MITSUBISHI BRAND ACCESSORIES IS NOT COVERED.

LOSS AND DAMAGE OCCURRING DURING TRANSIT ARE NOT COVERED BY THIS WARRANTY. Products repaired or replaced under warranty will be returned to the Purchaser transportation prepaid. Return shipping costs for repaired products not covered by warranty, or for the return of a product for which the Purchaser has not authorized non-warranty repairs, shall be paid by the Purchaser.

ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR USE FOR A PARTICULAR PURPOSE IS EXCLUDED EXCEPT WHERE PROHIBITED BY LAW, AND WHERE PROHIBITED, IS LIMITED TO THE MAXIMUM PERIOD PERMITTED BY SUCH LAW.

Some States or Provinces do not allow the exclusion or limitation of incidental or consequential damages, or limitations on an applied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State, Province to Province.