



GPRS & MMS Phone

G1610 USER'S MANUAL

English

Please read this manual carefully
before operating your mobile phone.
Retain it for future reference.

Introduction

Congratulations on your purchase of the advanced and compact G1610 cellular phone, designed to operate with the latest digital mobile communication technology.



Important Information

This user's guide contains important information on the use and operation of this phone. Please read all the information carefully for optimal performance and to prevent any damage or misuse of the phone. Any changes or modifications not expressly approved in this user's guide could void your warranty for this equipment.

Guidelines for Safe and Efficient Use

Read these simple guidelines. Breaking the rules may be dangerous or illegal. Further detailed information is given in this manual.

Exposure to Radio Frequency Energy

Radio wave exposure and Specific Absorption Rate (SAR) information

This mobile phone model G1610 has been designed to comply with applicable safety requirement for exposure to radio waves. This requirement is based on scientific guidelines that include safety margins designed to assure the safety of all persons, regardless of age and health.

- The radio wave exposure guidelines employ a unit of measurement known as the Specific Absorption Rate, or SAR. Tests for SAR are conducted using standardized method with the phone transmitting at its highest certified power level in all used frequency bands.
- While there may be differences between the SAR levels of various LG phone models, they are all designed to meet the relevant guidelines for exposure to radio waves.
- The SAR limit recommended by the international Commission on Non-Ionizing Radiation Protection (ICNIRP), which is 2W/kg averaged over ten (10) gram of tissue.
- The highest SAR value for this model phone tested by DASY4 for use at the ear is 0.919 W/kg (10g).
- SAR data information for residents in countries/regions that have adopted the SAR limit recommended by the Institute of Electrical and Electronics Engineers (IEEE), which is 1.6 W/kg averaged over one (1) gram of tissue.

Product Care and Maintenance

Warning: Use only batteries, charger and accessories approved for use with this particular phone model.

The use of any other types may invalidate any approval or warranty applying to the phone, and may be dangerous.

- Do not disassemble this unit. (Take it to a qualified service technician when repair work is required.)
- Keep it away from electrical appliance such as a TV, radio or personal computer.
- The unit should be situated away from heat sources such as radiators or cookers.
- Do not drop.
- Do not subject this unit to mechanical vibration or shock.
- The coating of the phone may be damaged if covered with wrap or vinyl wrapper.
- Use dry cloth to clean the exterior of the unit. (Do not use solvent such as benzene, thinner or alcohol.)
- Do not subject this unit to excessive smoke or dust.
- Do not keep the phone next to credit cards or transport tickets; it can affect the information on the magnetic strips.
- Do not tap the screen with a sharp object; otherwise, it may damage the phone.
- Do not expose the phone to liquid or moisture.
- Use the accessories like an earphone cautiously. Do not touch the antenna unnecessarily.

Efficient Phone Operation

To enjoy optimum performance with minimum power consumption please:

- Hold the phone up as you speak to any other telephone. While speaking directly into the microphone, angle the antenna in a direction up and over your shoulder.
- If your mobile phone supports infrared, never direct the infrared ray at anyone's eye.

Electronic Devices

All wireless phones may get interference, which could affect performance.

- Do not use your mobile phone near medical equipment without requesting permission. Avoid placing the phone over the pacemaker, i.e. in your breast pocket.
- Some hearing aids might be disturbed by mobile phones.
- Minor interference may affect TVs, radios, PCs, etc.

Road Safety

Check the laws and regulations on the use of mobile phones in the areas when you drive.

- Do not use a hand-held phone while driving.
- Give full attention to driving.
- Use an handsfree kit, if available.
- Pull off the road and park before making and answering a call if driving conditions so require.
- RF energy may affect some electronic system in your motor vehicle such as car stereo, safety equipment.
- When your vehicle is equipped with an Air bag, do not place objects including either installed or portable wireless equipment. It can be cause serious injury due to improper performance.

Blasting Area

Do not use the phone where blasting is in progress. Observe restrictions, and follow any regulations or rules.

Potentially Explosive Atmospheres

- Do not the phone at a refuelling point. Don't use near fuel or chemicals.
- Do not transport or store flammable gas, liquid, or explosives in the compartment of your vehicle, which contains your mobile phone and accessories.

In Aircraft

Wireless devices can cause interference in aircraft.

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

Children

Keep the phone in a safe place out of children's reach. It includes small parts which if detached may cause a choking hazard.

Emergency Calls

Emergency call may not be available under all cellular networks. Therefore, you should never depend solely on the phone for emergency calls. Check with your local service provider.

Battery Information And Care

- You do not need to completely discharge the battery before recharging. Unlike other battery systems, there is no memory effect that could compromise the battery's performance.
- Use only LG batteries and chargers. LG chargers are designed to maximize the battery life.
- Do not disassemble or short-circuit the battery pack.
- Keep the metal contacts of the battery pack clean.
- Replace the battery when it no longer provides acceptable performance. The battery pack may be recharged hundreds of times until it needs replacing.
- Recharge the battery if it has not been used for a long time to maximize usability.
- Do not expose the battery charger to direct sunlight or use it in high humidity, such as the bathroom.
- Do not leave the battery in hot or cold places, this may deteriorate the battery performance.



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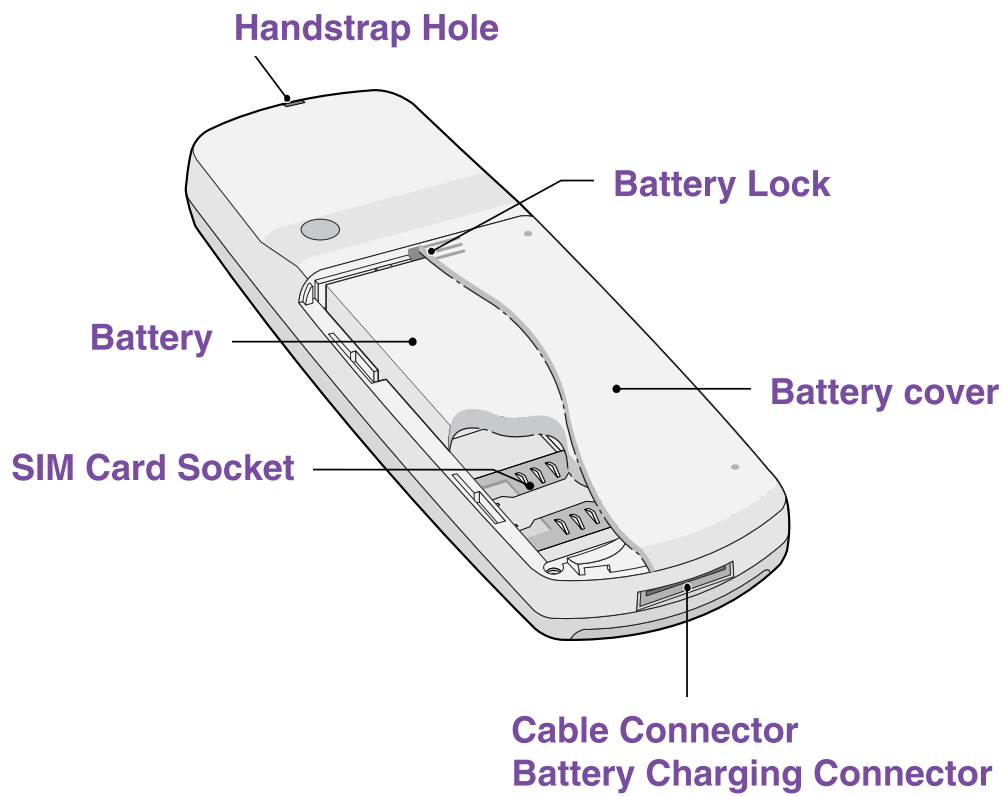
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Part of the Phone

Main body of the Phone



Outside of the Phone



Key Description

The following shows key components of the phone.

Keypad Description

Key	Description
	Soft Left Key / Soft Right Key Each of these keys performs the function indicated by the text on the display immediately above it.
	Navigation Keys Used to scroll through name, phone numbers, menus or setting options. WAP Hot key (=Confirm key) If you press this key for a while, you can connect to WAP directly.
	Profiles key You can activate the profiles menu (Vibrate only, Quiet, General, Loud) directly by holding down this key.
	Message key You can go to Message menu (Inbox, Voice mail, Push messages, Scheduler or Alarm) directly without scrolling.
	Send Key You can dial a phone number and answer a call. If you press this key without entering a number, your phone shows the most recently dialed, received and missed numbers.
	Numeric Keys These keys are used mainly to dial in standby mode and enter numbers or characters in editing mode. When you press these keys for a long time. - Used to call your voicemail centre by . - Used to call for international call by . - Used to call Speed dials by from  to .
	END/PWR Key Used to end or reject a call. This key is also used as Power Key by pressing this key for a few seconds.
	You can delete the characters, go back to the menu.

Key Description	

Letter Keys

Each key can be used for several symbols. These are shown below.

Key	Description
	. , / ? ! - : ' " 1
	A B C 2 Ä À Á Â Ã Å Æ Ç a b c ä à á â ã å æ ç
	D E F 3 Ë È É Ê d e f ë è é ê
	G H I 4 Ï Ì Í Î Ñ g h i ï ì í î ñ
	J K L 5 j k l
	M N O 6 Ñ Ö Ø Ò Ó Ô Õ Æ m n o ñ ö ø ò ó ô õ æ
	P Q R S 7 ß Ş p q r s ß ş
	T U V 8 Ü Ù Ú Û t u v ü ù ú û
	W X Y Z 9 w x y z
	[Space] 0

Display Information

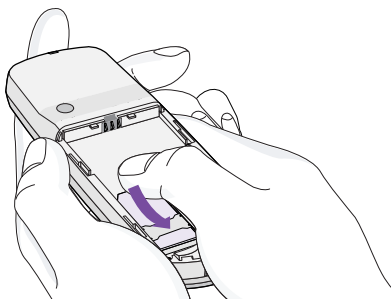
The screen displays several icons. These are described below.

On-Screen Icons

Icon/Indicator	Description
	Tells you the strength of the network signal.
	Call is connected.
	You can use GPRS service.
	Shows that you are using a roaming service.
	The alarm has been set and is on.
	Tells you the status of the battery.
	You have received a text message.
	You have received a voice message.
	You have received a push message.
	You can view your schedule.
	All audible signals are turned off.
	General menu in profile.
	Loud menu in profile.
	Silent menu in profile.
	Headset menu in profile.
	You can divert a call.

Installation

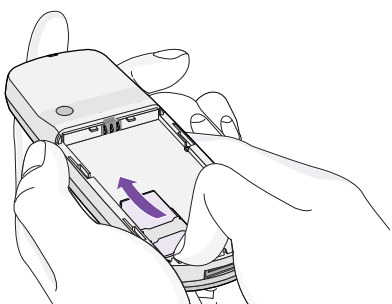
1. Inserting the SIM Card



Locate the SIM card socket in the back of the phone. Follow the steps below to install the SIM card.

1. Remove the battery if attached.
2. Slide the SIM card into the slot, under the silvery holders, with the golden connectors facing down.

2. Removing the SIM Card



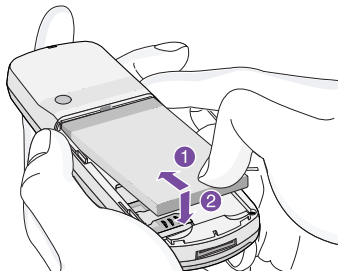
Follow the steps below to Remove the SIM card.

1. Remove the battery if attached.
2. Take out the SIM card from the slot.

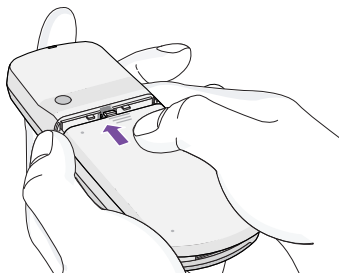
! Notice

- Removing the battery from the phone whilst it is switched on may cause it to malfunction.
- The metal contact of the SIM card can be easily damaged by scratches. Pay special attention to the SIM card when you handle and install. Follow the instructions supplied with the SIM card.

3. Installing the Battery



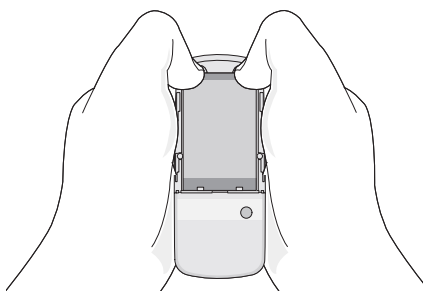
1. Position the lugs on the top of the battery into the retaining holder.
2. Then push the bottom of the battery into position until it clicks.



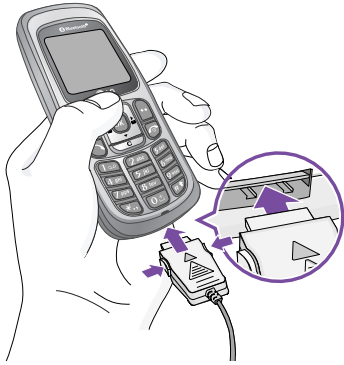
3. Attach back cover by sliding up into position until it clicks.

! Notice!

- When you remove the battery, you should use both hands.

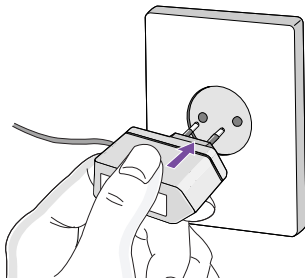


4. Charging the Battery



To connect the travel adapter to the phone, you must have installed the battery.

1. With the arrow facing you as shown in the diagram push the plug on the battery adapter into the socket on the bottom of the phone until it clicks into place.



2. Connect the other end of the travel adapter to the mains socket. Use only the included packing charger.

!Warning

- Do not force the connector as this may damage the phone and/or the travel adapter.
- Do not repeat connecting the travel adapter to the phone in a few seconds. It can be a cause of malfunction to the phone.

!Note

- “Battery Charging” is displayed on the screen after connecting the travel adapter. Only if the battery is totally empty, it takes long time to display “Battery Charging”.

5. Disconnecting the charger



Disconnect the travel adapter from the phone by pressing its side buttons as shown in the diagram.

! Note

- Ensure the battery is fully charged before using the phone.
- Do not remove your battery or the SIM card while charging.
- The moving bars of battery icon will stop after charging is complete.
- The charging time depends on the charger and the battery used.

! Note

If the battery does not charge,

- switch the phone off.
- ensure the battery is correctly fit.

Making and Answering Calls

Making a call

1. Key in phone number including the area code. If you want to delete number, press .
2. Press  to call the number.
3. Press  to end the call.

International Calls

1. Press and hold the  key for the international prefix.
“+” character may replace with the international access code.
2. Enter the country code, area code, and the phone number.
3. Press .

Making a call using the Phonebook

1. In standby mode, press  [Names].
2. When the menu is displayed, you select Search by pressing .
3. If you find out the desired item through searching by a name or a number, press  to call.

In call Menu

The menu displayed on the handset screen during a call is different to the default main menu reached from the idle screen, and the options are described here.

1 During a call

1-1 Putting a Call on Hold

When a call is made or answered, press the  [Send] to place it on hold. When a call is held, press the  [Send] to make it active.

1-2 Saving a phone number during a call

You can get a dial number from phonebook to make a second call. Press  [Names] then select **Search**. To save the dial number into phonebook during call, press  [Names] then select **Add new**.

1-3 Swapping Between Two Calls

To switch between two calls, select  [Options], then select **Swap** or just press  [Send] key.

You can make one of two calls focused by pressing up/down arrow key. If you want to end one of two calls, make the call you want to end focused, then press  [End] key when the call you want to end is focused.

1-4 Answering an Incoming Call

To answer an incoming call when the handset is ringing, simply press the  [Send] key.

The handset is also able to warn you of an incoming call while you are already in a call. A tone sounds in the earpiece, and the display will show that a second call is waiting. This feature, known as Call Waiting, is only available if your network supports it. For details of how to activate and deactivate it see Call waiting [Menu 9-4-4].

If Call Waiting is on, you can put the first call on hold and answer the second, by pressing  [Send] or by selecting  [Answer], then **Hold & Answer**.

You can end the current call and answer the waiting call by selecting  [Menu], then **End & Answer**.

1-5 Muting the Microphone

You can mute the microphone during a call by pressing the  [Options] key then selecting **Mute**. The handset can be unmuted by pressing the  [Unmute].

When the handset is muted, the caller cannot hear you, but you can still hear them.

1-6 Calling up Messages and SIM Tool kit main menu

The Messages and SIM Tool kit main menu options can be reached from the in-call menu by selecting  [Options]. SIM Tool kit menu is shown only when SIM in the handset supports SIM Tool kit service.

! Note

- During a call, DTMF tone is on in default.

2 Multiparty or Conference Calls

The multiparty or conference service provides you with the ability to have a simultaneous conversation with more than one caller, if your network service provider supports this feature.

A multiparty call can only be set up when you have one active call and one call on hold, both calls having been answered. Once a multiparty call is set up, calls may be added, disconnected or separated (that is, removed from the multiparty call but still connected to you) by the person who set up the multiparty call.

The maximum callers in a multiparty call is five. Once started, you are in control of the multiparty call, and only you can add calls to the multiparty call.

2-1 Making a Second Call

You can make a second call while you are already in a call. To do this, enter the second number and press  [Send]. When you get second call the first call is automatically put on hold. You can swap between calls by selecting  [Options] then **Swap**.

2-2 Setting up a Multiparty Call

You can connect a call on hold to the currently active call to form a multiparty call by selecting  [Options] then **Multiparty / Join all**.

2-3 Putting the Multiparty Call on Hold

To put a multiparty call on hold, select  [Options] then **Multiparty / Hold all**.

2-4 Activate the Multiparty Call on Hold

To make a multiparty call on hold active, select  [Options] then **Multiparty / Join all**.

2-5 Adding Calls to the Multiparty Call

To join an active call to the held multiparty call, select  [Options] then **Multiparty / Join all**.

2-6 Displaying Callers in a Multiparty Call

To scroll through the numbers of the callers who make up a multiparty call on the handset screen, press  and  keys.

2-7 Putting a Member of a Multiparty Call on Hold

To place one selected caller (whose number is currently displayed on-screen) of a multiparty call on hold, select  [Options] then **Multiparty / Exclude**.

2-8 A Private Call in a Multiparty Call

To have a private call with one caller of a multiparty call, display the number of the caller you wish to talk to on the screen, then select  [Options] and **Multiparty / Private** to put all the other callers on hold.

2-9 Ending a Multiparty Call

The currently displayed caller of a multiparty call can be disconnected by pressing the  [End] key. To end a multiparty call, press  [Options] then select **Multiparty / End multiparty**.

Selecting  [Options] then **Multiparty / End all**, will end all the active and held calls.

Access Codes

You can use the access codes described in this section to avoid unauthorized use of your phone. The access codes (except PUK and PUK2 codes) can be changed by using [Menu 4-5-6].

PIN code (4 to 8 digits)

The PIN (Personal Identification Number) code protects your SIM card against unauthorized use. The PIN code is usually supplied with the SIM card. When **PIN code** is set **On**, your phone will request the PIN code every time it is switched on. On the contrary, when **PIN code** is set **Off**, your phone connects to the network directly without the request PIN code.

PIN2 code (4 to 8 digits)

The PIN2 code, supplied with some SIM cards, is required to access some functions such as Advice of call charge, Fixed Dial number. These functions are only available if supported by your SIM card.

PUK code (4 to 8 digits)

The PUK (PIN Unblocking Key) code is required to change a blocked PIN code. The PUK code may be supplied with the SIM card. If not, contact your local service provider for the code. If you lose the code, also contact your service provider.

PUK2 code (4 to 8 digits)

The PUK2 code, supplied with some SIM cards, is required to change a blocked PIN2 code. If you lose the code, also contact your service provider.

Security code (4 to 8 digits)

The security code protects the unauthorized use of your phone. It is usually supplied with the phone. This code is required to delete all phone entries and to activate “Reset settings” menu. The default number is “0000”.

Menu Tree



1 Messages

- 1 Write short message
- 2 Write multimedia message
- 3 Inbox
- 4 Outbox
- 5 Voice mail
- 6 Info service
- 7 Templates
- 8 Settings



2 Call register

- 1 Missed calls
- 2 Received calls
- 3 Dialed calls
- 4 All calls
- 5 Delete recent calls
- 6 Call charges
- 7 GPRS information



3 Profiles

- 1 Vibrate only
- 2 Quiet
- 3 General
- 4 Loud
- 5 Headset



4 Organiser

- 1 Scheduler
- 2 Phone book



5 Fun & Tools

- 1 Games
- 2 My folder
- 3 Calculator
- 4 Unit converter
- 5 World time
- 6 Voice recorder



6 Bluetooth

- 1 My devices
- 2 Handsfree devices
- 3 Settings



7 Internet

- 1 Home
- 2 Bookmarks
- 3 Push messages
- 4 Profiles
- 5 Goto URL
- 6 Cache settings
- 7 Security certification
- 8 Reset profiles
- 9 Browser version



8 Java

- 1 Applications
- 2 Download
- 3 Memory status



9 Settings

- 1 Alarm clock
- 2 Date & Time
- 3 Phone settings
- 4 Call settings
- 5 Security settings
- 6 Network settings
- 7 Reset settings



0 SIM Service

This menu depends on SIM and the network services.

Messages [Menu 1]

This menu includes functions related to SMS (Short Message Service), MMS (Multimedia Message Service), voice mail, as well as the network's service messages.

Write short message [Menu 1-1]

You can write and edit text message, checking the number of message pages.

1. Enter the **Messages** menu by pressing  [Select].
2. If you want to write a new message, select **Write short message**.
3. To make text input easier, use T9. For details, see **How to Use T9** (Page 33).
4. Press [Insert] to attach the followings.
5. If you want to set option for your text, or to finish your writing, press  [Options].

Note

- The phone which supports EMS release 5 is available to send colour pictures, sounds, text styles, etc.. The other party may not receive pictures, sounds or text styles you sent properly if the phone does not support such options.

Options

• **Send**

Sends text messages.

1. Enter numbers of recipient.
2. Press  key to add more recipients.
3. You can add phone numbers in the phone book.
4. Press  after entering numbers.

Messages [Menu 1]

- **Save**

Stores messages in Outbox.

- **Font**

You can select **Size** and **Style** of fonts.

- **Colour**

You can select **Colour** of foreground and background.

- **Alignment**

You can make the message contents aligned **Right**, **Centre** or **Left**.

- **Add T9 dictionary**

You can add your own word. This menu can be shown only when edit mode is **Predictive (T9Abc/T9abc/T9ABC)**.

- **T9 languages**

Select a T9 input mode.

- **Exit**

If you press **Exit** while writing a message, you can end the writing message and come back to the Message menu. The message you have written is not saved.

Insert

- **Symbol**

You can add special characters.

- **Picture**

You can insert the **Default** pictures or pictures in **My folder** that are available for short messages.

- **Sound**

You can insert sounds that are available for short messages.

- **Text templates**

You can use **Text templates** already set in the phone.

- **Phone book**

You can add phone numbers or e-mail addresses from the **Phone book**.

- **Business card**

You can add your contact information to the message.

Write multimedia message [Menu 1-2]

You can write and edit multimedia messages, checking message size.

1. Enter the **Messages** menu by pressing  [Select].
2. If you want to write a new message, select **Write multimedia message**.
3. You can create a new message or choose one of the multimedia message templates already made.
4. Press **Insert** to add **Symbol, Picture, Sound, Text templates, Phonebook** or **Business card**.

Options

- **Preview**

You can preview multimedia messages you wrote.

- **Send**

You can send multimedia messages to multiple recipients, prioritise your message, and make it sent later as well.

Note

- When you defer sending a message, please contact the service provider. This service depends on network.

- **Save**

You can save multimedia messages in the outbox or as templates.

- **Add slide**

You can add a slide before or after current slide.

- **Move to slide**

You can move to previous or next slide.

- **Delete slide**

You can delete current slides.

- **Set slide format**

- **Set timer**

You can set timer for slide, text, picture and sound.

- **Remove media**

You can remove pictures or sounds in the slide. This option can be shown only when any media exists.

- **Add T9 dictionary**

You can add your own word. This menu can be shown only when edit mode is **Predictive (T9Abc/T9abc/T9ABC)**.

- **T9 languages**

Select a T9 input mode.

- **Exit**

You can come back to the **Messages** menu.

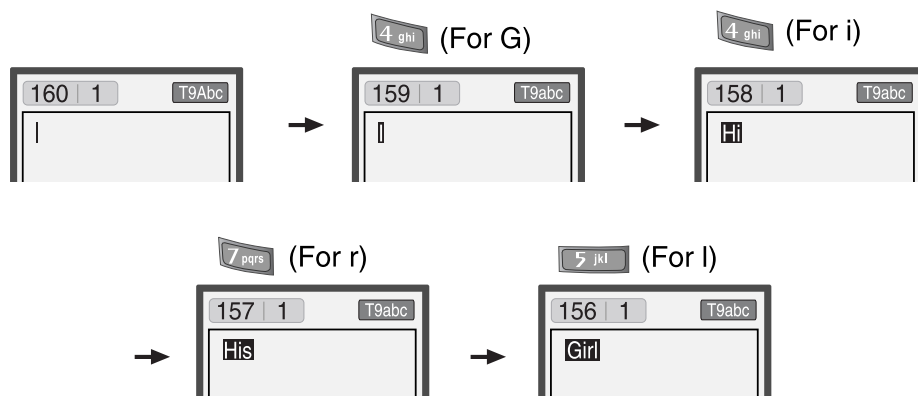
How to Use T9

T9 allows you to input text quickly.

In T9, you only need to press the key with the corresponding letter once. This is based on a built-in dictionary to which you can also add new words.

• Writing words by using T9.

1. Start writing a word by using the keys  to . Press each key only once for one letter. To write for instance '**G**irl'.



The word changes after each keystroke. Therefore you shouldn't pay too much attention to how the word appears on the display until you have pressed all the appropriate keys.

To delete a character to the left, press .

To insert several numbers, hold  down and key in the numbers.

If you hold  down, you can change the type of language. (You can also use options.)

Also, the phone supports three modes: **Predictive** (T9Abc, T9ABC, T9abc), **Multitap** (ABC, abc), **Numeric** (123). If you want to change a mode, press  key.

Alternatively : Press  key and select insert symbols.
Select the desired character and press **Select**.

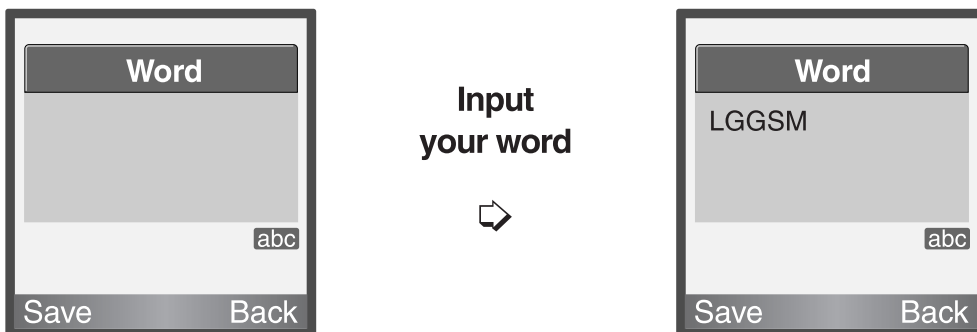
2. When you have finished writing a word, check whether the word is correct.

If the word is correct : Press  and write the next word.

If the word is not correct : Search by ,  (**Previous** and **Next word**).

Alternatively : If there is no word you want you can add your own word.

Press  [Options] in the Predictive edit mode. Select Add T9 dictionary Menu.
You can see the following.



3. To insert a punctuation mark, press 1 repeatedly until the desired mark appears.

! T9 languages

- You can select T9 Languages by selecting Menu. In T9 mode, you can also select T9 Off menu.

Inbox [Menu 1-3]

You will be alerted when you have received messages. They will be stored in Inbox.

In Inbox, you can identify each message by icons. For detail, see the icon directive.

! Icon directive

- [] Multimedia message
- [] Short message
- [] SIM message
- [] Read
- [] Notified multimedia message

If the phone shows 'No space for SIM message', you have to delete any SIM messages from inbox or outbox. If the phone displays 'No space for message', you can make space of each repository as deleting messages, media and applications.

*** SIM message**

SIM message means the message exceptionally stored in SIM card. For notified multimedia message, you have to wait for downloading and processing of the message. For notification setting, see [Menu 1-8-2] for detail.

To read a message, select one of the messages by pressing  .

Reply

You can reply to the sender.

Forward

You can forward the selected message to another party.

Return call

You can call back to the sender.

Delete

You can delete the current message.

Extract

You can extract picture, sound and text. They will be saved in My folder or Phonebook.

View information

You can view information about received messages; Sender's address, Subject (only for Multimedia message), Message date & time, Message type, Message size.

Replay (applicable to Multimedia message only)

You can replay multimedia messages.

* Receive (In case of notification message)

If **Multimedia message** is set to **Auto download off**, you can get only Notification. To receive a message, you need to select [Receive]. Although **Multimedia message** is set to **Auto download on**, on the network condition or other reasons, you can get notification message.

Outbox [Menu 1-4]

You can see sent and unsent messages here. For sent message, you can see the delivery status.

The browsing is same as that for the inbox message.

! Icon directive

- [] Sent
- [] Unsent
- [] Delivery confirmed
- [] SMS sent

* When you use the message which is already sent

Forward

You can forward the current message to other recipients.

Delete

You can delete the current message.

View information

You can view information about outbox messages; Recipient's address, Subject (only for Multimedia message), Message date & time, Message type, Message size.

! Note

- In case of unsent message, you can edit, send, and delete it. You can also view the information of each message.

Voice mail [Menu 1-5]

You can receive the voicemail if this feature is supported by your network service provider. When a new voicemail is arrived, the symbol will be displayed on the screen. Please check with your network service provider for details of their service in order to configure the phone accordingly.

Listen to voice mail [Menu 1-5-1]

You can listen to voice mail.

Voice mail centre [Menu 1-5-2]

1. Hold down  key in standby mode.
2. You can check the following submenus.

- **Home**

You can listen to voice mails by selecting **Home**.

- **Roaming**

Even when you are in abroad, you can listen to voice mails if roaming service is supported.

Info service [Menu 1-6]

(Dependent to network and subscription)

Info service messages are text messages delivered by the network to GSM. They provide general information such as weather reports, traffic news, taxis, pharmacies, and stock prices. Each type of information has the number; therefore, you can contact service provider as long as you have input the certain number for the information. When you have received an info service message, you can see the popup message to show you that you have received a message or the info service message is directly displayed. To view the message again or not in standby mode, follow the sequence shown below;

Read [Menu 1-6-1]

1. When you have received an info service message and select **Read** to view the message, it will be displayed on the screen. You can read another message by scrolling  ,  or  [Next].
2. The messages will be shown until last message is reached.

Receive [Menu 1-6-2]

- **Yes**

If you select this menu, your phone will receive Info service messages.

- **No**

If you select this menu, your phone will not receive Info service messages any more.

Alert [Menu 1-6-3]

- **Yes**

Your phone will beep when you have received Info service message numbers.

- **No**

Your phone will not beep even though you have received info service messages.

Languages [Menu 1-6-4]

You can select the language you want by pressing [On/Off]. Then, the info service message will be shown in the language that you selected.

Topics [Menu 1-6-5]

(Dependent to network and subscription)

- **Add new**

You can add Info service message numbers in the Phone memory with its nickname.

- **View list**

You can see Info service message numbers which you added. If you press  [Options], you can edit and delete info message category which you added.

- **Active list**

You can select Info service message numbers in the active list. If you activate an info service number, you can receive messages sent from the number.

Templates [Menu 1-7]

Text [Menu 1-7-1]

You have 11 text templates. You can change the predefined templates into your favorite ones or fill the <empty>s.

Multimedia [Menu 1-7-2]

You can use the following options.

- Edit** : You can edit multimedia templates.
- Add new** : Allows you to add new multimedia templates.
- Write messages** : You can write multimedia messages using multimedia templates.
- Delete** : You can delete multimedia templates.

Settings [Menu 1-8]

Short message [Menu 1-8-1]

- **Message types**

Text, Voice, Fax, Natl. paging, X.400, E-mail, ERMES

Usually, the type of message is set to **Text**. You can convert your text into alternative formats. Contact your service provider for the availability of this function.

- **Validity period**

This network service allows you to set how long your text messages will be stored at the message centre.

- **Delivery report**

If you set to **Yes**, you can check whether your message is sent successfully.

- **Reply via same service centre**

When a message is sent, it allows the recipients to reply and charge the cost of the reply to your telephone bill.

- **SMS centre**

If you want to send the text message, you can receive the address of SMS centre through this menu.

Multimedia message [Menu 1-8-2]

- **Validity period**

This network service allows you to set how long your text messages will be stored at the message centre.

- **Delivery report**

If it is set to **Yes** in this menu, you can check whether your message is sent successfully.

- **Auto download**

If you select **On**, you receive multimedia messages automatically. If you select **Off**, you receive only notification message in the inbox and then you can check this notification.

- **Network settings**

If you select multimedia message server, you can set URL for multimedia message server.

- **Permitted message types**

Personal : Personal message.

Advertisements : Commercial message.

Information : Necessary information.

Memory status [Menu 1-8-3]

You can check free space and memory usage of each repository, SIM memory. You can go to each repository menu.

Call register [Menu 2]

Missed calls [Menu 2-1]

This menu shows recently missed numbers. You can call these numbers, save and view the date and the time.

Received calls [Menu 2-2]

This menu shows recently received numbers. You can call these numbers, save and view the date and the time.

Dialled calls [Menu 2-3]

This menu shows recently dialled numbers. You can call these numbers, save and view the date and the time.

All calls [Menu 2-4]

You can save the phone number and check the date, time for a call. Moreover, you can call back to another party.

Delete recent calls [Menu 2-5]

You can delete recent calls of **Missed calls**, **Received calls**, **Dialled calls** or **All calls**.

Call charges [Menu 2-6]

Within these submenus, you can view the duration and the call cost of your calls.

Call duration [Menu 2-6-1]

This function allows you to view the duration of your Last Call, All Calls, Received calls and Dialed calls in hours, minutes and seconds. You can also reset the call timers.

1. Press  [Menu] in standby mode.
2. Press  for direct access or use L and R to enter **Call register**, then select **Call charges**.
3. Scroll to highlight **Call duration** and Press  [Select].
The following 5 submenus: **Last call**, **All calls**, **Received calls**, **Dialed calls** and **Reset all**.

Call costs [Menu 2-6-2]

This function allows you to check the cost of your last call, all calls, remaining and reset the cost. To reset the cost, you need the PIN2 code.

1. Press  [Menu] in standby mode.
2. Press  for direct access or use  and  to enter **Call register**, then select **Call charges**.
3. Scroll to highlight **Call costs** and Press  [Select].
The following 4 submenus: **Last call**, **All calls**, **Remaining** and **Reset all**.

! Note

- The actual cost invoiced for calls by your service provider may vary, depending upon network features, rounding-off for billing, tax, and etc.

Settings [Menu 2-6-3] (SIM Dependent)

- **Set tariff**

You can set the currency type and the unit price. Contact your service providers to obtain charging unit prices. To select the currency or unit in this menu, you need the PIN2 code.

- **Note**

- When all units have been used, no calls can be made except emergency calls. Depending on the SIM card, you need the PIN2 code to set a call cost limit.

- **Set credit**

This network service allows you to limit the cost of your calls by selected charging units. If you select **Read**, the number of remaining unit is shown. If you select **Change**, you can change your charge limit.

- **Auto display**

This network service allows you to see automatically the cost of your last calls. If set to **On**, you can see the last cost when the call is released.

GPRS information [Menu 2-7]

You can check the amount of data transferred over the network through GPRS. In addition, you can view how much time you are online.

Call duration [Menu 2-7-1]

You can check the duration of **Last call** and **All calls**. You can also reset the call timers.

Data volumes [Menu 2-7-2]

You can check the **Sent**, **Received** or **All** data volumes and **Reset all**.

Profiles [Menu 3]

In this menu, you can adjust and customize the phone tones for different events and environments.

1. Press  [Menu] in standby mode.
2. Press  for direct access or use  and .
3. You can also enter this menu directly by pressing  key in standby mode.

Vibrate only [Menu 3-1]

You can adjust the profile as **Vibrate only** if you need vibration mode. In the mode, all kinds of alert are Vibrate or Silent.

Quiet [Menu 3-2]

You can adjust the profile as **Quiet** if you are in quiet place.

General [Menu 3-3]

You can adjust the profile as **General**.

Loud [Menu 3-4]

You can adjust the profile as **Loud** if you are in a noisy environment.

Headset [Menu 3-5]

You can adjust the profile as **Headset**.

Activate [Menu 3-x-1]

Activates the selected Profile.

Personalise [Menu 3-x-2]

Each has the submenus as shown below except for **Vibrate only**.

Call alert type

Allows to select alert type such as Ring, Vibrate, etc. for the incoming for adjusting environment.

Ring tone

Allows to set the ring tone for adjusting environment.

Ring volume

Allows to set the ring volume for adjusting environment. The volume of Power on / off sound and all the alert sounds set according to **Ring volume**.

Message alert type

Allows to alert when receiving a message for adjusting environment.

Message tone

Allows to select the alert tone for message reception.

Keypad volume

Allows to set the keypad volume for adjusting environment.

Keypad tone

Allows to select the keypad tone for adjusting environment.

Auto answer

This function will be activated only when your phone is connected to the headset.

- **Off** : The phone will not answer automatically.
- **After 5 secs** : After 5 seconds, the phone will answer automatically.
- **After 10 secs** : After 10 seconds, the phone will answer automatically.

Organiser [Menu 4]

Scheduler [Menu 4-1]

When you enter this menu a Calendar will show up. On top of the screen there are sections for date. Also on bottom of the screen there are sections for icons (schedule, memo). Whenever you change the date, the calendar will be updated according to the date. And square cursor will be used to locate the certain day. If you see under bar on the calendar, it means that there is a schedule or memo that day. This function helps to remind you of your schedule and memo. The phone will sound an alarm tone if you set this for the note.

For changing the day, month, and year.

Key	Description	Key	Description
	Yearly		Weekly
	Monthly		Daily

Add new [Menu 4-1-1]

You can edit maximum 39 characters and take up to 20 notes.

• Schedule

Input the subject, the schedule time, the repeat, the alarm by pressing allowed keys.

• Memo

1. Select **Add new** by pressing [Select].
2. Press **Memo**.
3. Input the memo and then press [OK].

View [Menu 4-1-2]

Shows the note for the chosen day. Use   to browse through the note lists. If you set alarm for the note, Alarm watch is displayed. At that time, if you press  [Select], you can see the note in detail. Press  [Options] to delete, edit the note you selected.

View all [Menu 4-1-3]

Shows the notes that are set for all days. Use   to browse through the note lists. You can use the same menu as **View** by pressing  [Options].

Delete past [Menu 4-1-4]

You can delete the past schedule that has been already notified to you.

Delete all [Menu 4-1-5]

You can delete for the all note(s).

Phone book [Menu 4-2]

1. To use **Phone book**, press  [Names] in standby mode.
2. To use **Phone book**, press  [Menu] in standby mode and select **Organiser**.

Search [Menu 4-2-1]

(Calling from phonebook)

1. In standby mode, press  [Names].
2. **Search** by pressing  [Select].
3. Enter the name whose phone numbers or e-mail address you want to search or Select 'List' to view phonebook.

4. Instant searching is available by inputting the initial letter of the name or number you want to search.
5. If you want to edit, delete, copy an entry, or send the phone book through bluetooth select  [Options]. The following menu will be displayed.
 - **Edit:** You can edit the name, number, E-mail and fax by pressing  [OK].
 - **Write messages:** After you have found the number you want, you can send a message to the selected number.
 - **Send via bluetooth:** You can send the data of phone book to devices which is compatible with bluetooth through bluetooth.
 - **Copy:** You can copy an entry from SIM to phone or from phone to SIM.
 - **Main number:** You can select the one out of mobile, home, office that you often use. The main number will be displayed first, if you set this.
 - **Delete:** You can delete an entry.

Add new [Menu 4-2-2]

You can add phonebook entry by using this function.

Phone memory capacity is 200 entries. SIM card memory capacity depends on the cellular service provider.

You can also save 20 characters of name in The Phone memory, and save characters in the SIM card. The number of character is SIM dependent feature.

1. Open the phonebook first by pressing  [Names] in standby mode.
2. Scroll to highlight **Add new**, and press  [Select].
3. Select the memory you want to save: **SIM** or **Phone**. If set to Phone, you need to select which number you want as Main number.
 - a. Press  [OK] to input a name.
 - b. Press  [OK], then you can input a number.

- c. Press  [OK].
- d. You can set a group for the entry by pressing  ,  :
- e. You can set a character for the entry by pressing  ,  . The chosen character will be shown on display when  ,  . The receiving call from the selected name.

Caller groups [Menu 4-2-3]

You can list up to 20 members per one group. There are 7 groups you can make lists to.

1. In standby mode, press  [Names].
2. Scroll to **Caller groups** item then press  [Select], and every Group list will be displayed.
3. Select Group name you want by pressing  [Select].

- **Member list**

Shows the group members you have selected.

- **Group ring tone**

Allows you to specify ring tone for the group members' call.

- **Group icon**

Allows you to select the icon dependent on Group.

- **Add member**

You can add group members. Each group member shouldn't be exceeded 20.

- **Remove member**

You can remove the member from the Group member list. But the name and the number still remain in phonebook.

- **Rename**

You can change a group name.

Speed dial [Menu 4-2-4]

You can assign any of the keys,  to  with a Name list entry. You can call directly by pressing this key for 2-3 seconds.

1. Open the phonebook first by pressing  [Names] in standby mode.
2. Scroll to **Speed dial**, then press  [Select].
3. If you want to add Speed dial, select **<Empty>**. Then, you can search the name in phonebook.
4. Select allocated a name by speed dial, and choose **Change** or **Delete** to edit the name.

- **Change**

You can allocate a new phone number to the dial key.

- **Delete**

You can remove the allocated phone number from the dial key.

Settings [Menu 4-2-5]

1. Press  [Names] in standby mode.
2. Scroll to **Settings**, then press  [Select].

- **Set memory**

Scroll to highlight **Set memory**, then press < [Select].

- If you select **Variable**, when adding entry, the phone will ask where to store.
- If you select **SIM** or **Phone**, the phone will store an entry to SIM or phone.

- **Search by**

Scroll to highlight **Search by**, then press  [Select].

- If you select **Variable**, the phone will ask how to search.
- If you select **Name** or **Number**, the phone will search an entry by Name or Number.

Copy all [Menu 4-2-6]

You can copy/move entries from SIM card memory to Phone memory and vice versa.

1. Open the Phonebook first by pressing  [Names] in standby mode.
2. Scroll to **Copy all**, then press  [Select] to enter this menu.
 - **SIM to Phone** : You can copy the entry from SIM Card to Phone memory.
 - **Phone to SIM** : You can copy the entry from Phone memory to SIM Card.
3. You can see the following submenus.
 - **Keep original** : When copying, Original Dial Number is kept.
 - **Erase original** : When copying, Original Dial Number will be erased.

Delete all [Menu 4-2-7]

You can delete all entries in SIM and Phone.

1. Press  [Names] in standby mode and select Delete all, press  [Select].
2. Then select a memory to erase.
3. Enter security code and Press  [OK] or  [Back].

Information [Menu 4-2-8]

- **Service dial number**

Use this function to access a particular list of services provided by your network operator (if supported by the SIM card).

1. Open the phonebook first by pressing  [Names] in standby mode and select **Information**.
2. Scroll to **Service dial number**, then press  [Select] to enter.
3. The names of the available services will be shown.
4. Use  and  to select a service. Press  [Send].

- **Memory status**

This feature allows you to see how much free and in-use memory are in your phonebook.

1. Open the phonebook first by pressing  [Names] in standby mode. Select **Information** by pressing  [Select].
2. Scroll to **Memory status**, then press  [OK].

- **Own number list (SIM dependent)**

You can check your own number in SIM card.

- **Business card**

You can make your business card. Key in Name, Phone number, Fax number and Email.

Fun & Tools [Menu 5]

Games [Menu 5-1]

The phone offers you the games to play with.

! Note

- The control keys are different depending on a game. However, each one has an introduction to explain the main control keys. The rest ones are as follows.

[Common Key Function]

-  : Game menu
-  : Back
-  : Pause or resume a game

My folder [Menu 5-2]

Enables you to view the downloaded pictures and sounds. They can be set as Wallpaper or Ring tone. You can view, listen, delete or rename downloaded data.

Picture [Menu 5-2-1]

Sound [Menu 5-2-2]

The Submenus for each main one

- **Edit title**

You can edit the title for each download contents.

- **Write messages**

You can write Short message/Multimedia message(available depending on type of Media) with attachment pictures or sounds.

- **Set as Wallpaper/Set as ring tone**

You can set downloaded sounds or pictures as wallpaper or Ring tone.

- **Delete**

You can delete each downloaded content.

- **Delete all**

You can delete all downloaded contents.

Calculator [Menu 5-4]

This contains the standard functions such as $+$, $-$, $\times$, $\div$: **Addition, Subtraction, Multiplication, and Division.**

1. Input the numbers by pressing numeric keys.
2. Use a navigation key to select a sign for calculation.
3. Then input the numbers.
4. Press  [Result] to view the result.
5. Press [Reset] or enter numbers to repeat the procedure above.
6. Use  key to erase any numbers or signs.
7. If you press  key, you can input a minus number. In addition, If you press  key, you can input a decimal number.
8. To end **Calculator**, press  [Back].

Unit converter [Menu 5-4]

This converts any measurement into a unit you want. There are 4 types that can be converted into units: **Length, Area, Weight, and Volume.**

1. You can select one of four unit types by pressing  [Unit] key.
2. Select the standard value by using  , .
3. Select the unit you want to convert by pressing  and .
4. You can check the converted value for the unit you want. Also, you can input a decimal number by pressing .

World time [Menu 5-5]

You can view clocks of the world's major cities.

1. Select the city belonged to the time zone by pressing L , R key.
2. You can set the current time to the city time you select by pressing  [Set].

Voice recorder [Menu 5-6]

The voice memo feature you to record up to 10 voice messages and each memo is up to 20 Seconds.

Record [Menu 5-6-1]

1. You can record voice memo in Voice recorder menu.
2. Once recording is started, the message Recording and the remaining time is displayed.
3. If you want to finish recording, press  [Save].
4. Key in Voice memo title, press  [OK].

View list [Menu 5-6-2]

The phone shows voice memo list. You can **Playback** and **Delete** the recorded voice memo.

PC Sync

PC Sync is a program for data exchange between PC and the phone by data cable. For more information, you can use the guide of PC Sync Help file in CD.

Bluetooth [Menu 6]

Bluetooth enables compatible mobile devices, peripherals and computers that are in close proximity to communicate directly with each other without wires. This handset supports built-in Bluetooth connectivity, which makes it possible to connect them with compatible Bluetooth headsets, Bluetooth enabled computers and so on. You can exchange the data within only phonebook via bluetooth.

My devices [Menu 6-1]

You can view all devices which are compatible with bluetooth phone.

Handsfree devices [Menu 6-2]

You can view the list of handsfree devices which is compatible with bluetooth phone.

If you enter My devices or Handsfree devices menu, you access the options as follow.

- Connect/ Disconnect: Allows to connect the other bluetooth devices.
- Add new: Allows to search new bluetooth device.
- Assign name: Allows to change the name of bluetooth.
- Set as authorised/Set as unauthorised: Allows to set the authorised connection between each bluetooth devices.
- All service: Allows to view all services which are supported by bluetooth device.
- Delete : Allows to delete the bluetooth device.
- Delete all: Allows to delete all bluetooth devices.

Settings [Menu 6-3]

You can register new device which is compatible with bluetooth. If you already have added the device, you can search it after entering a password.

Set bluetooth [Menu 6-3-1]

You can activate or cancel bluetooth function.

My phone's visibility [Menu 6-3-2]

You can set the function that your phone is shown on the other bluetooth devices.

My phone's name [Menu 6-3-3]

You can set the name of bluetooth device. The default name is G1610.

Internet [Menu 7]

The phone supports services based on Wireless Application Protocol (WAP). You can access services supported by your network. The services menu allows you to get the information such as news, weather reports, and flight times.

Home [Menu 7-1]

Connect to a homepage. The homepage may be the site which is defined in the activated profile. It will be defined by Service Provider if you don't make in activated profile.

Bookmarks [Menu 7-2]

Press  [Select] to access available options, or press  [Back] to exit.

- **Connect** : Connect to the selected bookmark.
- **Add new** : Add a new bookmark manually.
- **Edit** : Edit the title and the address of the selected bookmark.
- **Delete** : Delete the selected bookmark from the bookmark list.

Push messages [Menu 7-3]

Inbox [Menu 7-3-1]

You can read or delete push messages.

- **Information** : Show the information of received push messages.
- **Load** : You can connect to a specific site using the information in the received push message.
- **Delete** : Delete the selected push message.

Receive [Menu 7-3-2]

You can set the option whether you will receive the message or not.

Profiles [Menu 7-4]

You can make up to 5 profiles and activate only one out of them. Scroll to the desired profile and press  to access available options.

- **Activate**

You can activate the profile you want.

- **Settings**

You can edit and change WAP settings of the selected profile.

- **Homepage**

This setting allows you to enter the address (URL) of a site you want to use as homepage. You do not need to type “http://” at the front of each URL as the WAP Browser will automatically add it.

- **Bearer**

You can set the bearer data service.

- **Data**

- **GPRS**

- **Data settings**

Appears only if you select Data settings as a Bearer\service.

IP address : Enter the IP address of the WAP gateway you want.

Dial number : Enter the telephone number to dial to access your WAP gateway.

User ID : The users identity for your dial-up server (and NOT the WAP gateway).

Password : The password required by your dial-up server (and NOT the WAP gateway) to identify you.

Call type : Select the type of data call: Analogue or Digital (ISDN).

- Call speed** : The speed of your data connection; 9600 or 14400.
- Linger time** : You need to enter timeout period. After entering that, the WAP navigation service will be unavailable if any data is not input or transferred.

- GPRS settings

The service settings are only available when GPRS is chosen as a bearer service.

- IP address** : Input the IP address of the WAP gateway you access.
- APN** : Input the APN of the GPRS.
- User ID** : The users identify for your APN server.
- Password** : The password required by your APN server.

- Display image

You can select whether images on WAP cards are displayed or not.

- Connection type

The options for connection type are Temporary or Continuous and depend on the gateway you are using.

Continuous

A confirmed delivery mechanism but generates more network traffic.

Temporary

A non-confirmed (connectionless) service.

- Secure settings

According to the used gateway port, you can choose this option as **On** or **Off**.

- **Rename**

Edit the Profile Name.

- **Delete**

Delete the Profile.

- **Add new**

You can add a new profile manually.

- **Email server**

- **Connect**

Connect to the E-mail server that you configured.

- **Edit address**

Edit the E-mail address.

Goto URL [Menu 7-5]

You can directly connect to the site you want. You need to enter a specific URL.

Cache settings [Menu 7-6]

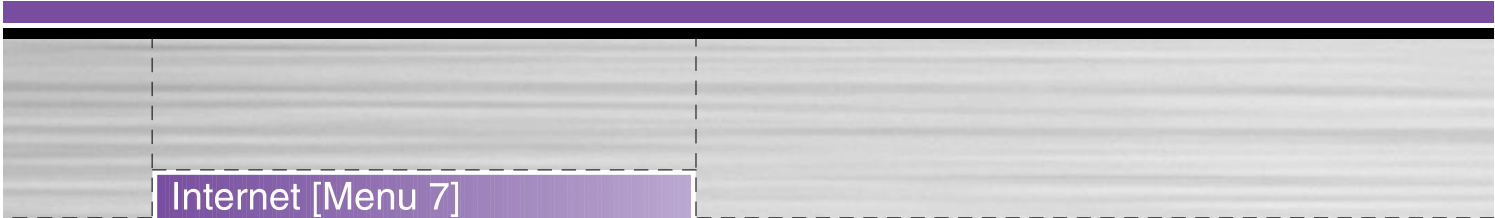
You can remove the contents of Cache memory or change the Cache mode.

Clear cache [Menu 7-6-1]

The contents of Cache memory will be removed.

Check cache [Menu 7-6-2]

You can set the option whether you will check the cache memory or not.



Internet [Menu 7]

Security certification [Menu 7-7]

A list of the available certificates is shown.

Reset profiles [Menu 7-8]

You can reset profiles to return to original settings.

Browser version [Menu 7-9]

The WAP Browser version is displayed.

On browsing menu

If you are on line, you can view the following menus.

- **Home**

Refer to [Menu 7-1].

- **Reload**

Reloads the current page.

- **Bookmarks**

See [Menu 7-2].

- **Save as bookmark**

You can save a site as bookmark.

- **Messages**

During Wap connection, you can see the Short messages.

- **Push messages**

See [Menu 7-3].

- **Goto URL**

You can move to the site you want. In this menu, you can also edit the site address.

- **Goto email server**

You can move to the E-mail server that you configured.

- **Set as email server**

You can set the address of current site as E-mail server.

- **Clear cache**

The contents of cache memory will be removed.

- **Save Images**

You can save the image which is provided by the WAP.

Java [Menu 8]

Applications [Menu 8-1]

Java Menu Options

Scroll to an application and select Options.

- 1. Open** : Launches the selected MIDlet.
- 2. Delete** : Deletes the selected MIDlet.
- 3. Update** : Accesses the server and updates the selected MIDlet.
- 4. Information** : Displays information about the selected MIDlet.
- 5. Phone settings** : Allows you to set backlight and sound for java game.

Download [Menu 8-2]

See [Menu 7-2]. You can edit and set MIDlet server address. Download MIDlets using WAP Browser and store them in the phone. You can also view the list of MIDlets stored on the Applications screen.

Memory status [Menu 8-3]

Shows the size of memory available for game and application installations. You can also see the whole memory status of Handset.



JAVA™ is a trademark of Sun Microsystems, Inc.

Settings [Menu 9]

You can set the following menus for your convenience and preferences.

1. Press  [Menu] in standby mode.
2. Press  for direct access to enter **Settings**.

Alarm clock [Menu 9-1]

You can set up to 5 alarm clocks to go off at a specified time.

1. Select **On** and enter the alarm time you want.
2. Select the repeat period : **Once, Mon~Fri, Mon~Sat, Everyday**.
3. Select the alarm tone you want and press  [OK].
4. Edit the alarm name and press  [OK].
5. If you set **Alarm clock** to **Power off alarm** the alarm goes off at a specified time even though the phone is switched off.

Date & Time [Menu 9-2]

You can set functions relating to the date and time.

Set date [Menu 9-2-1]

You can enter the current date.

Date format [Menu 9-2-2]

You can set the Date format such as DD/MM/YYYY, MM/DD/YYYY, YYYY/MM/DD. (D: Day / M: Month / Y: Year)

Set time [Menu 9-2-3]

You can enter the current time.

Time format [Menu 9-2-4]

Your can set the time format between 24-hour and 12-hour.

Phone settings [Menu 9-3]

You can set functions relating to the phone.

Display settings [Menu 9-3-1]

- **Screen saver**

You can set screen saver.

- **Wallpaper**

You can select the background pictures in standby mode.

- **Default**

You can select a picture or an animation of wallpaper by pressing  or .

- **Myfolder**

You can select a picture or an animation as wallpaper.

- **Incoming calls**

You can set the animation as getting a call.

- **Outgoing calls**

You can set the animation as making a call.

- **Greeting note**

If you select **On**, you can edit the text which is displayed in standby mode.

- **Backlight**

You can set the light-up duration of the Internal display.

- **LCD contrast**

You can set the brightness of LCD by pressing , .

- **Information window**

You can preview the current state of the selected menu before open the menu. The state is shown at bottom of the display.

- **Menu colour**

You can select the preferred menu colour among various combination.

Language [Menu 9-3-2]

You can change the language for the display texts in your phone. This change will also affect the Language Input mode.

Call settings [Menu 9-4]

You can set the menu relevant to a call by pressing  [Select] in the Setting menu.

Call divert [Menu 9-4-1]

The Call divert service allows you to divert incoming voice calls, fax calls, and data calls to another number. For details, contact your service provider.

- **All voice calls**

Diverts voice calls unconditionally.

- **If busy**

Diverts voice calls when the phone is busy.

- **If no reply**

Diverts voice calls which you do not answer.

- **If out of reach**

Diverts voice calls when the phone is switched off or out of coverage.

- **All data calls**

Diverts to a number with a PC connection unconditionally.

- **All fax calls**

Diverts to a number with a fax connection unconditionally.

- **Cancel all**

Cancels all call divert service.

The submenus

Call divert menus have the submenus shown below.

- **Activate**

Activate the corresponding service.

- To voice mail centre**

Forwards to message centre. This function is not shown at All data calls and All fax calls menus.

- To other number**

Inputs the number for diverting.

- To favourite number**

You can check recent 5 diverted numbers.

- **Cancel**

Deactivate the corresponding service.

- **View status**

View the status of the corresponding service.

Answer mode [Menu 9-4-2]

- **Press any key**

If you select this menu, you can receive a call by pressing any key except  [End] key.

- **Send only**

If you select this menu, you can receive a call by only pressing  [Send] key.

Send my number [Menu 9-4-3]

(network and subscription dependent)

- **On**

You can send your phone number to another party. Your phone number will be shown on the receiver's phone.

- **Off**

Your phone number will not be shown.

- **Set by network**

If you select this, you can send your phone number depending on two line service such as line 1 or line 2.

Call waiting [Menu 9-4-4]

(network dependent)

- **Activate**

If you select Activate, you can accept a waiting (receiving) call.

- **Cancel**

If you select Cancel, you cannot recognize the waiting (receiving) call.

- **View status**

Shows the status of Call waiting.

Minute minder [Menu 9-4-5]

If you select **On**, you can check the call duration by deep sound every minute during a call.

Auto redial [Menu 9-4-6]

- **On**

When this function is activated, the phone will automatically try to redial in the case of failure to connect a call.

- **Off**

Your phone will not make any attempts to redial when the original call has not connected.

Closed user group [Menu 9-4-7]

(network dependent)

Restricts usage of the phone with numbers that belong to certain user groups. When this function is used, every outgoing call is associated with a group index. If a group index is specified, it is used for all outgoing calls. If no group index is specified, the network will use the preferential index (a specific index that is stored in the network).

Default : Activate the default group agreed on with the network operator.

Set : Setting the selected CUG Index.

Edit : Editing the CUG name and CUG Index.

Delete : Deleting the selected CUG.

Delete all : Deleting All CUG.

Security settings [Menu 9-5]

PIN code request [Menu 9-5-1]

In this menu, you can set the phone to ask for the PIN code of your SIM card when the phone is switched on. If this function is activated, you'll be requested to enter the PIN code.

1. Select PIN code request in the security settings menu, and then press  [Select].
2. Set **On/Off**.
3. If you want to change the setting, you need to enter PIN code when you switch on the phone.
4. If you enter wrong PIN code more than 3 times, the phone will lock out. If the PIN is blocked, you will need to key in PUK code.
5. You can enter your PUK code up to 10 times. If you put wrong PUK code more than 10 times, you can not unlock your phone. You will need to contact your service provider.

Phone lock [Menu 9-5-2]

You can use security code to avoid unauthorized use of the phone. Whenever you switch on the phone, the phone will request security code if you set phone lock to “**On**”. If you set phone lock to “**Automatic**”, your phone will request security code only when you change your SIM card.

Automatic key lock [Menu 9-5-3]

When you enable Automatic key lock, keypad will be locked automatically on an idle screen after 30 seconds without any key requesting.

! Note

- If you want to unlock your phone keypad, press  [unlock] key and then press  key. But if you have enabled Automatic key lock before, your phone keypad will be unlock and then after 30 seconds the keypad will be lock up again automatically in case of no key requesting.

Call barring [Menu 9-5-4]

The Call barring service prevents your phone from making or receiving certain category of calls. This function requires the call barring password. You can view the following submenus.

• All outgoing

The barring service for all outgoing calls.

• Outgoing international

The barring service for all outgoing international calls.

• Outgoing international except home country

The barring service for all international outgoing calls except home network.

• All incoming

The barring service for all incoming calls

• Incoming when abroad

The barring service for all incoming calls when roaming

• Cancel all

You can cancel all barring services.

- **Change password**

You can change the password for Call Barring Service.

Each all barring menu has following submenus:

- **Activate**

Allows to request the network to set call restriction on.

- **Cancel**

Set the selected call restriction off.

- **View status**

Check if the calls are barred or not.

Fixed dial number [Menu 9-5-5] (SIM dependent)

You can restrict your outgoing calls to selected phone numbers. The numbers are protected by your PIN2 code.

- **Activate**

You can restrict your outgoing calls to selected phone numbers.

- **Cancel**

You can deactivate fixed dialling function.

- **Number list**

You can view the number list saved as Fixed dial number.

Change codes [Menu 9-5-6]

PIN is an abbreviation of Personal Identification Number used to prevent use by only unauthorized person.

You can change the access codes: **PIN code**, **PIN2 code**, **Security code**.

1. If you want to change the Security code/PIN/PIN2 code input your original code, and then press  [OK].
2. Input new Security code/PIN/PIN2 code and verify them.

Network settings [Menu 9-6]

You can select a network which will be registered either automatically or manually. Usually, the network selection is set to **Automatic**.

Automatic [Menu 9-6-1]

If you select Automatic mode, the phone will automatically search for and select a network for you. Once you have selected **Automatic**, the phone will be set to “Automatic” even though the power is off and on.

Manual [Menu 9-6-2]

The phone will find the list of available networks and show you them. Then you can select the network which you want to use if this network has a roaming agreement with your home network operator. The phone let you select another network if the phone fails to access the selected network. If you switch off the phone, the phone will be reset to **Automatic**.

Preferred [Menu 9-6-3]

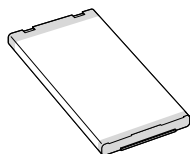
You can set a list of preferred networks and the phone attempts to register with first, before attempting to register to any other networks. This list is set from the phone’s predefined list of known networks.

Reset settings [Menu 9-7]

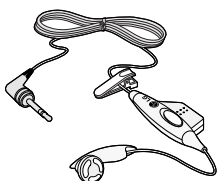
You can initialize all factory defaults. You need Security code to activate this function.

Accessories

There are various accessories for your mobile phone. You can select these options according to your personal communication requirements.

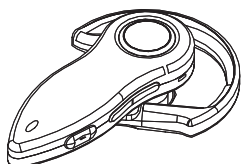


Standard Battery



Portable Handsfree

This connects to your phone, allowing handsfree operation.

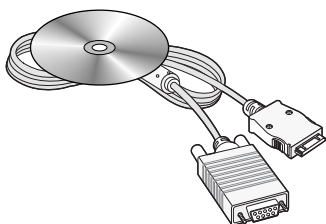


Bluetooth Headset



Travel Adapter

This charger allows you to charge the battery while away from home or your office.



CD/Data cable

You can connect your phone to PC to exchange the data between them.

! Note

- Always use genuine LG accessories.
- Failure to do this may invalidate your warranty.
- Accessories may be different in different regions; please check with our regional service company or agent for further enquires.

Bluetooth Headset

1. Introduction

AVHB04 Bluetooth Headset can be carried as a wireless headset product based on Bluetooth technology.

What is Bluetooth® Technology?

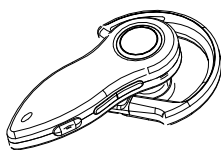
Bluetooth Technology allows the users to communicate data in the wireless network, which is the wireless network technology can be used in the short-range distance. It is designed to communicate data/voice within short-range distance of 10m to 100m.

Bluetooth technology operates in 2.4GHz ISM(Industrial Scientific Medical) of RF bandwidth, which can be used in most countries without any government regulations.

Low cost, low power consumption and Robust data communication are main feature of Bluetooth technology and Bluetooth allows Home appliance, Handheld PC/PDA, LAN PSTN, Mobile Phone to connect to wireless network, such as internet service.

2. What is in the package?

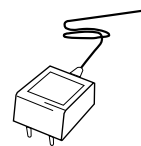
AVHB04 Bluetooth headset package comes equipped with headset and charging adaptor. In this package you will find:



AVHB04

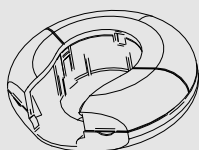


User manual



Battery charger

- Option



Necklace holder

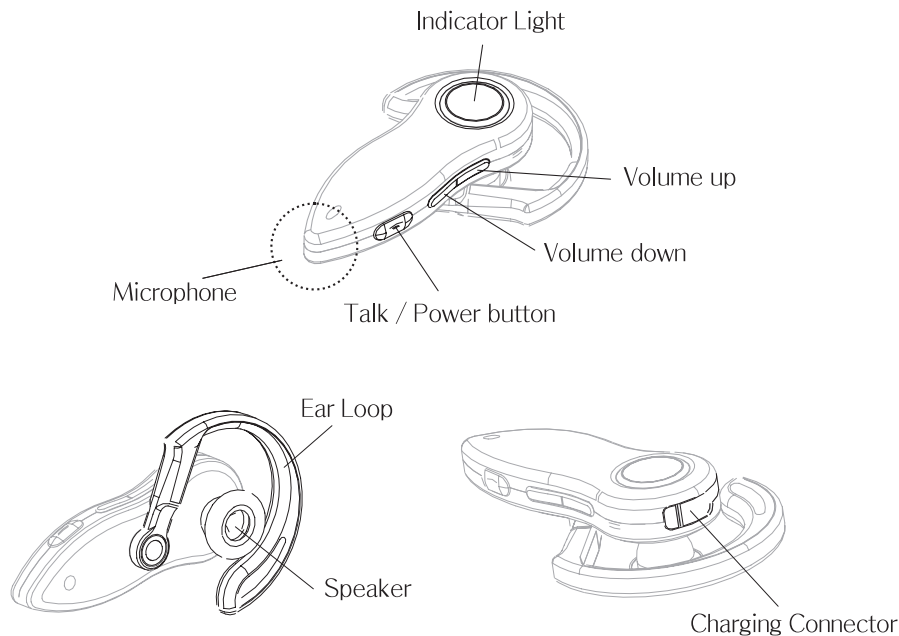


Belt clip



Necklace

3. Headset Features



4. Preparation

a) Getting started

Before you start using the headset with a phone or other device for the first time, you should:

- Charge the headset battery by using a battery charger in the package.
- Pair the headset with a Bluetooth device, such as, a mobile phone.

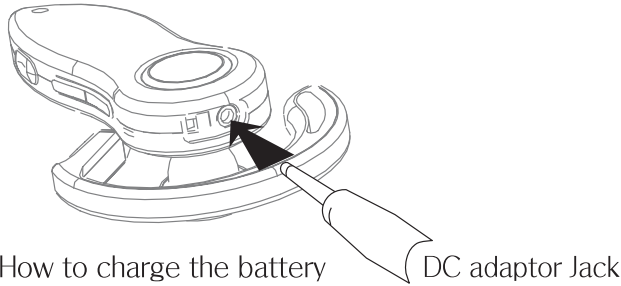
b) Charging

The Bluetooth headset is packaged with a built-in rechargeable battery. The battery may not be fully charged when you buy the headset. We recommend that you charge the battery until the headset indicator light switched off before using the headset for the first time.

To remind you that you will soon need to recharge the battery, the headset indicator light flashes red rapidly if the headset is on.

Bluetooth Headset

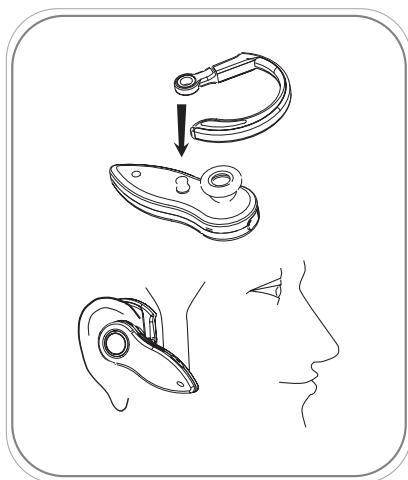
It usually takes 2.5 to 3.0 hours to fully recharge the headset battery. During charging, the indicator shows a steady red light on the indicator light. When the battery is fully charged, the red light turns off and no light on the indicator light.



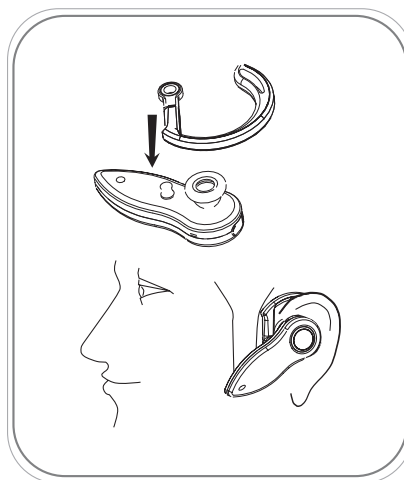
c) Choose right or left ear for wearing the headset.

AVHB04 Bluetooth headset comes configured for wearing on your right & left ear. please follow the instructions as provided:

1. Hold the headset firmly and put the earloop in its open position at your desired degrees for left or right ear.
2. Place the earloop behind your ears
3. Remind you that the headset is positioned as indicated in the following picture. For using the earloop for left-ear & right-ear use, please see the picture as provided.

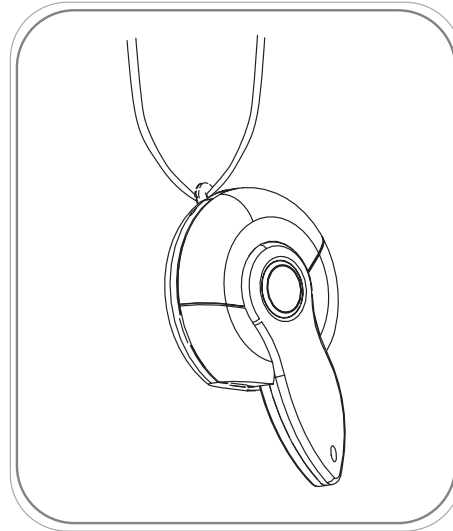
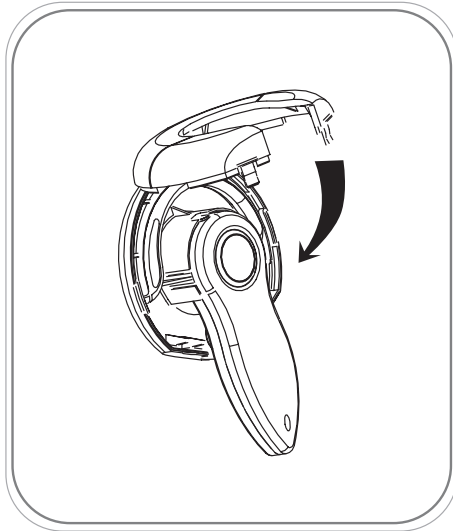


Right

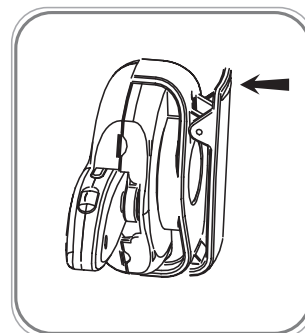
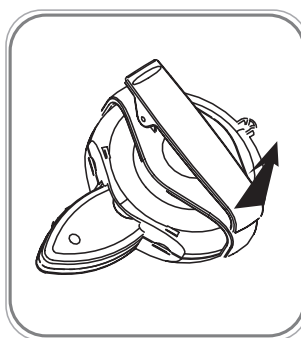
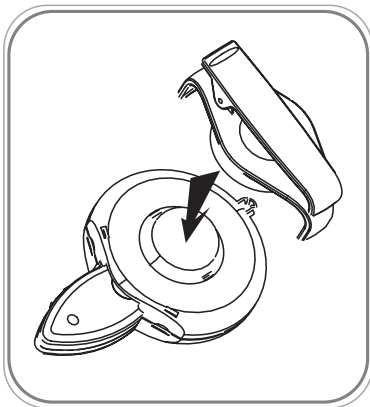


Left

d) How to use Necklace holder



e) How to use Belt clip



5. How to use the Headset

Introduction in this user's guide are based on the headset buttons and phone keys.

a) To turn the headset on

Press and hold Talk Button for 5 seconds then the light turns to Green flashes five times, and you hear a short high tone followed by Green flashes.

b) To turn the headset off

Press and hold Talk Button for 5 seconds then the light turns to Red flashes five times, and you hear a short low tone followed by Red flashes.

c) Pairing the headset

Firstly, you should pair the headset with the device you want to use it with, such as a mobile phone, before you use your headset for the first time. The Bluetooth connection between the headset and a mobile phone can be established by setting up a paired link, Once you have paired your headset with the phone, you do not need to pair it again until you want to use it with another phone.

1. Prepare your phone according to the phone's user documentation on pairing.
2. Press Talk button over 5 seconds until you hear a short high tone twice and the indicator flashes green and red. Then the headset is ready for pairing.
3. For access range, please make you sure that the headset is within 5m(15 feet) ~ 10m (30 feet) of the phone.
4. Please enter Headset passkey ("0000") then it starts pairing procedure.
5. For the detail procedures of pairing, please refer to a mobile phone's manual.

d) To reset the headset

1. With the headset turned on, press and hold Talk Button for up to 5 seconds and release the button. Then, the headset is turned off.
2. Press and hold Talk Button again until the red and green flashes, and the headset is now turned on. And then please refer to the procedure c) mentioned above.

e) Making calls

- Making calls from the mobile phone.
 1. Place the headset on your ear in the desired wearing style.
 2. Dial the phone number by using the phone's keypad,
 3. Press the phone's SEND / Call key in order to send the calls - the phone initiates the call.
 4. The call will be transferred automatically to the headset by pressing talk button, while the phone is ringing
- Ending a call from the headset
To end a call when wearing the headset, press the headset's Talk Button while connected.
- Reject a call from the headset
To reject a call, press and hold the headset's Talk Button until you hear a short beep.

f) Answering calls

1. When the headset rings, press the Talk Button.
2. End the call by pressing the Talk Button.

g) Transferring a call from phone to headset

By pressing Talk button, you can transfer sound / call to the headset if the headset is on, paired with phone.
(For transferring call from headset to phone, please refer to the user guide of a mobile phone)

h) Making calls using Voice Dialing

1. Place the headset in your ear in the desired wearing style.
 2. On the headset - Press the talk button for more than 2 seconds. Then the voice dialing function is enabled in your headset. If you do not wish to use voice dialing function, please press the talk button again, and the voice dialing will be disabled.
 3. You will hear the short tone which asking you to say the name of the person you wish to call (as entered in your phone's Voice dial phonebook directory). Speak the voice 'tag' name.
 4. The phone automatically dials your selection, and you will see the details of the call on the phone screen.
 5. When connected you are free to communicate normally via the headset.
 6. Press volume up or volume down key for dialing the last call.
(Note ; Please refer to the phone user guide for instructions on storing voice tags)
- Ending a call from the headset
To end a call when wearing the headset,
 - press the headset's talk button for 2 seconds when the headset is ringing.

i) To answer a second call.

Please press talk button for answering a second call while you are on the phone.

i) Adjusting speaker Volume & Mute

You can regulate the volume to the speaker in steps by adjusting Volume up + and volume down - button. One step per key press increases / decreases the desired volume. A short beep will be heard for each steps of +/-.

For mute function, please press and hold volume up button for 5 seconds until you hear short beep, and for unmuting, please do the same procedure as you have done for muting.

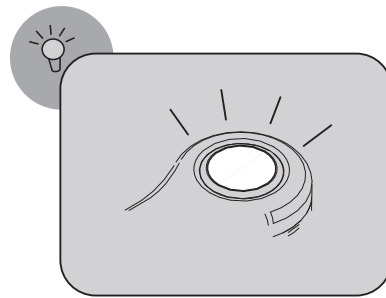
6. LED Indication Status

Headset Status

Power on
 Battery full charged
 Power off
 Charging in Process
 Low Power
 Pairing mode
 Pairing Succeed
 Call / On Call indicator

LED Indication Status

Green Rapid Flashes
 LED switched off
 Red Rapid Flashes
 Red (Charger plugged)
 Red Rapid Flashes
 Flashes Green & Red
 Green LED Flashes
 Flashes Green



7. Trouble Shooting

It will guide you how to solve problems, which you might encounter while you are using the headset.

1. If you get no sound from headset,
 The pairing procedure should be done between the headset and the mobile phone for Recognizing each other.
 And they also must be within range of each other, for the outdoor, it is up to 10m (30 feet), and we recommend to keep the mobile phone and headset in the same room, or within 5m(15 feet) from each devices.
2. If you have no light on the indicator's LED during charging When the battery is full charged, no light is shown on LED, then you are ready for pairing headset for a mobile phone. And no light is shown when the headset is switched off.

Bluetooth Headset

3. If you are uncomfortable with the headset around your ear, adjust the ear loop.
4. The headset is automatically turned off.
Please check whether the battery is too low, the indicator light on the headset flashes red and you hear a low beep.
5. Please make sure that the headset is fully charged before you use the headset at the first time after purchasing.
6. If you are facing other problems, please contact your local distributors in your area.

Network service

- The wireless phone described in this guide is approved for use on the GSM 900 and DCS 1800 network.
- Dualband is a network dependent feature. Check with your local service provider if you can subscribe to and use this feature.
- A number of features included in this guide are called Network Services. These are special services that you arrange through your wireless service provider. Before you can take advantage of any of these Network Services, you must subscribe to them through your service provider and obtain instructions for their use from your service provider.

Trouble Shooting

This chapter lists some problems that you might encounter while using your phone. Some problems require that you call your service provider, but most of problems you encounter are easy to correct yourself.

Message	Possible causes	Possible Corrective measures
SIM error	There is no SIM card in the phone or you may have inserted it incorrectly.	Make sure that the SIM card is correctly inserted.
No connection to the network	Signal weak Outside GSM network	Move higher to a window or open space. Check service provider coverage map.
Codes do not match	When you want to change a security code you have to confirm the new code by entering it again. The two codes that you have entered do not match.	Contact your Service Provider.
Function cannot be set	Not supported by Service Provider or registration required	Contact your Service Provider.
Calls not available	Dialling error New SIM card inserted Charge limit reached	New network not authorized. Check for new restrictions. Contact Service Provider or reset limit with PIN 2.
Phone cannot be switched on	On/Off key pressed too briefly Battery empty Battery contacts dirty	Press On/Off key for at least two seconds. Charge battery. Check charging indicator in the display. Clean contacts.

Trouble Shooting

Message	Possible causes	Possible Corrective measures
Charging error	Battery totally empty Temperature out of range Contact problem No mains voltage Charger defective Wrong charger Battery defective	Charge battery. Make sure the ambient temperature is right, wait for a while, and then charge again. Check power supply and connection to the phone. Check the battery contacts, clean them if necessary. Plug in to a different socket or check voltage. If the charger does not warm up, replace it. Only use original LG accessories. Replace battery.
Phone loses network	Signal too weak	Reconnection to another service provider is automatic.
Number not permitted	The Fixed dial number function is on.	Check settings.

Technical Data

General

Product name : G1610

System : GSM 900 / DCS 1800

Ambient Temperatures

Max : +55°C

Min : -10°C

Declaration of Conformity



LG Electronics

Suppliers Details

Name

LG Electronics Inc

Address

LG Electronics Inc. LG Kang-nam Tower
679, Yoksam-dong, Kangnam-gu, Seoul, Korea

Product Details

Product Name

E-GSM 900 / GSM 1800 Dual Band Terminal Equipment

Model Name

G1610

Trade Name

LG

CE 0168

Applicable Standards Details

R&TTE Directive 1999/5/EC

EN 301 489-1&7&17 : 2002

EN 60950 : 2001

EN 50360/EN 50361 : 2001

EN 300 328 : 2003

3GPP TS 51.010-1,

Selection according to GCF-CC 3.12.0 including requirements of EN 301 511, v9.0.2

Supplementary Information

The conformity to above standards is verified by 7Layers and Phoenix with Certificate No.(NC/12323) and GSM test report (no.61.290.4.040.01/61.290.4.212.01), EMC test report(no. ET93S-11-005-02), safety test report(no. ITYA0164434) and SAR test report(no. TCMA 0864614)

Declaration

I hereby declare under our sole responsibility that the product mentioned above to which this declaration relates complies with the above mentioned standards and Directives

Name

Issued Date

Jin Seog, Kim / Director

22.Mar.2005

LG Electronics Inc. Amsterdam Office
Veluwezoom 15, 1327 AE Almere, The Netherlands
Tel : +31 - 36- 547 - 8940, e-mail : seokim @ lge.com

Signature of representative



A series of horizontal dotted lines spanning the width of the page, providing a guide for writing.

