

* This device is not intended for sale in the USA.

Part 15.21 statement

" Change or Modifications that are not expressly approved by the manufacturer could void the user's authority to operate the equipment. "

Part 15.105 statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Part 15 Class B Compliance

This device and its accessories comply with part15 of FCC rules.

Operation is subject to the following two conditions:

- (1) This device & its accessories may not cause harmful interference.
- (2) This device & its accessories must accept any interference received,
including interference that may cause undesired operation.

Body-worn Operation

This Device has been tested for typical body-worn operations with the distance of 0.79inches(2.0cm) from the user's body.

To comply with FCC RF exposure requirements, a minimum separation distance of 0.79inches(2.0cm) must be maintained from the user's body.

Additionally, Belt clips, holsters & other body-worn accessories may not contain metallic components.

GB190 USER GUIDE

This manual may differ from the phone depending on the phone software version and service provider used.

P/N: MMBB000000 (1.0)

Installing the SIM card and Charging the Battery

When you subscribe to a cellular network, you are provided with a SIM card loaded with your subscription details, such as your PIN, any optional services available and many others.

Important!

> The SIM card and its contacts can be easily damaged by scratches or bending, so be careful when handling, inserting or removing the card. Keep all SIM cards out of the reach of small children.

> USIM is not supported in this phone.

> If the battery is removed for about 1 minute, the clock returns to its default setting. You will then need to reset the time.

Illustrations

- 1 Open the battery cover
- 2 Insert your SIM card
- 3 Close battery cover
- 4 Charge your battery

1

2

3

4

Fully Charge the battery before using it for the first time.

Turning Your Phone On and Off

You can power on and power off the phone by pressing or holding the power key.

Making a call

1. In the standby mode, enter the area code and the phone number.
2. Press the talk key to call the number.

Answering a call

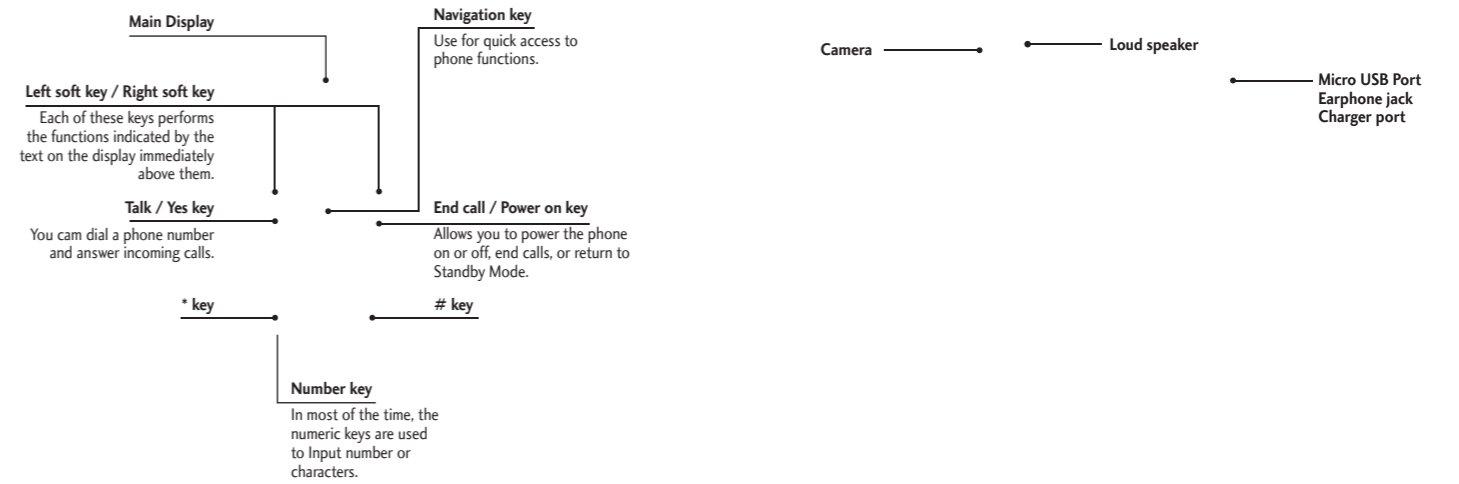
Press the talk key to answer the call when the phone rings.

If the Any Key menu option has been set, any key press will answer a call except for the End key or the right soft key.

Making an international call

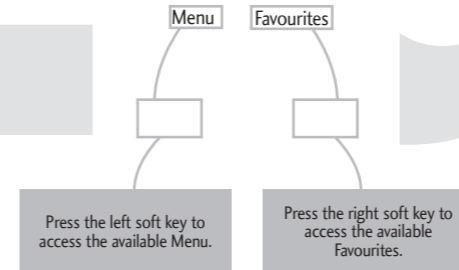
1. In the standby mode, long press the 0 key until a + (international prefix character) sign is displayed.
2. Enter the country code, the area code and the phone number.
3. Press the talk key to call.

Phone Components



Menu and Options

Your phone offers a set of functions that allow you to customize it. These functions are arranged in menus and sub-menus, accessed via the left and right soft keys. The label on the bottom of the display screen immediately above the soft keys indicates their current function.



Entering Text

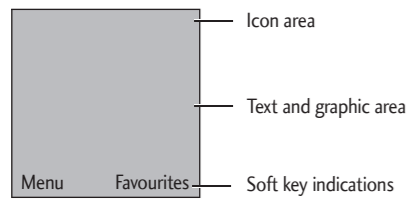
You can enter alphanumeric characters by using the phone's keypad. To change modes, press the # key.

T9 Mode

This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter. The T9 mode automatically compares your keystrokes with an internal linguistic dictionary to determine the correct word, thus requiring far fewer keystrokes than the traditional ABC mode. The input method is display at the upper right corner of your phone.

Indicator	Function (English Smart mode)
T9Abc	T9 Smart Baca
T9abc	T9 Smart aback
T9ABC	T9 Smart ABC
123	Numeric
abc	Multitap Abc
abc	Multitap abc
ABC	Multitap ABC

Display Information



On-Screen Icons

	Tells you the strength of the network signal.
	Indicates the battery charge level.
	Indicates your phone is locked.
	Indicates new text message(s).
	Indicates new voice message(s).
	Indicates the alarm clock is set.
	Indicates your phone uses the silent settings.
	Indicates your phone uses the "vibrate only" setting.
	Indicates your phone uses the outdoor settings.
	Indicates your phone uses the headset setting.
	Indicates all calls are diverted to another number.
	Indicates the phone is roaming.
	Indicates your phone is in flight mode.
	Indicates the WAP function is enabled on the phone.

FM Radio

(This function may be different in different regions.)

1. Connect the earphone to your phone.
2. From the main menu, select Extra and press OK.
3. Select Multimedia and press OK.
4. Select FM Radio and press OK.
5. Use navigation keypad to search radio station. You can also press Options to search radio frequency for available channels and automatically store to the channel list.
6. Press Options to edit the channel list. There are 9 stations you may pre-set.

Your phone provides the following options for FM radio:

- > **Channel List:** Bookmark up to 9 radio stations by entering the channel name and frequency.
- > **Manual Input:** Keys in the radio station frequency manually.
- > **Preset Auto Search:** Auto search available channels and automatically store them to the channel list.
- > **Settings:** Changes the background play, the skin of the FM radio, the record format and storage settings. You can record in AMR or WAV formats.
- > **Record:** Records your favorite radio programs.
- > **Append:** Resumes a previously recorded file.
- > **File list:** Manages recorded audio files.

How to set the tone

You may set up the following different profiles to adapt to different environmental conditions. Your phone provides 4 different profiles.

1. Select [Extra] from the main menu and select [Settings - Profiles] using the up/down navigation keys.
2. Select a profile and press [Options - Personalise] to set the ring tone.
3. Press the left soft key [OK] and then you can set the desired ringtone.

Your phone also provides the following options to customize tones/ alert types:

- > **Alert type:** Select alert type (Ring, Vibrate, Ring & Vibrate, Ring after Vibrate, and Silent) for ringing tone.
- > **Ring Tones:** Sets desired ring tone.
- > **Ring Volume:** Adjusts the volume of ring tone.
- > **Message alert type:** Selects different alert types (Ring Once, Ring periodically, and Ring & Vibrate. Vibrate, Silent) for message alert tone.
- > **Message tones:** Selects desired message alert tone.
- > **Message volume:** Adjusts the volume of message alert tone.
- > **Keypad volume:** Adjusts the keypad volume.
- > **Power on/off tones:** Selects different type of ring tone for power on/off.
- > **Power on/off volume:** Adjusts the volume of power on/ off ring tone.

Menu tree

1. Calls 1.1 All Calls 1.2 Missed Calls 1.3 Dialed Calls 1.4 Received Calls 1.5 Call Duration 1.6 Call Cost 1.7 Data Information	4.5 Videos 4.6 Others 4.7 External Memory	7. Entertainment 7.1 Games 7.2 Voice portal 7.3 Vivo Informa
2. Tools 2.1 Multimedia 2.2 Alarm clock 2.3 Calendar 2.4 Calculator 2.5 Memo 2.6 To do 2.7 Unit Converter 2.8 World clock	5. Phonebook 5.1 Search 5.2 New contact 5.3 Speed Dials 5.4 Group 5.5 Copy all 5.6 Delete all 5.7 Settings 5.8 Information	8. WAP 8.1 Home 8.2 Vivo Busca 8.3 Preferred links 8.4 Enter address 8.5 History 8.6 Settings
3. Vivo Chip	6. Messages 6.1 New message 6.2 Inbox 6.3 Draft 6.4 Outbox 6.5 Sent 6.6 Voice mail 6.7 Info message 6.8 Messager 6.9 Vivo Chat 6.0 Templates 6.* Settings	9. Settings 9.1 Profiles 9.2 Data & Time 9.3 Languages 9.4 Display 9.5 Shortcut 9.6 Call 9.7 Security 9.8 Connectivity 9.9 Power save 9.0 Reset 9.* Memory status
4. Tones and Images 4.1 Tones and Images 4.2 Vivo Play 4.3 Images 4.4 Sounds		

Quick feature reference

This section provides brief explanations of features on your phone.

Calls Menu 1	
You can check the record of missed, received, and dialed calls only if the network supports the Calling Line Identification (CLI) within the service area. The number and name (if available) are displayed together with the date and time at which the call was made. You can also view call durations.	
All calls	Displays all the lists of three types (Received/Dialed/Missed calls) by time.
Missed calls	This option lets you view the last 50 unanswered calls.
Dialed calls:	This option lets you view the last 50 outgoing calls (called or attempted).
Received calls	This option lets you view the last 50 incoming calls.
Call duration	Allows you to view the duration of your incoming and outgoing calls.
Call Costs	Allows you to check the cost of your last call, all calls, and reset the cost.
Data information	You can check the total of data transferred over the web through the GPRS information option.

Life's Good

Tools Menu 2	
Multimedia	<ul style="list-style-type: none">› MP3 player: Using the MP3 player in your phone, you can easily enjoy various music. › Camera: Using the camera module built in to your phone, you can easily take pictures and places of people. › Video Camera: You can easily record and save a video clip. › FM radio: You can search radio stations and enjoy listening to the radio. › Voice recorder: You can record voice memo.
Alarm clock	Allows you to set one of three alarms. The current time is displayed at the top of the screen when you select an alarm to set. At the alarm time, the Alarm icon will be displayed on the LCD screen and the alarm will sound.
Calendar	You can check track of daily or monthly schedules.
Calculator	This contains the standard functions such as Addition, Subtraction, Multiplication and Division.
Memo	You can create a list of tasks.
To do	You can check all of the tasks you've added from the calendar option.
Unit Converter	This converts any measurement into a unit you want.
World Clock	Allows you to determine the current time in another time zone or country.

WAP Menu 8	
Home	Connects to a homepage.It will be defined by the service provider if you have not already defined it in the activated profile.
Vivo Busca	
Preferred links	
Enter address	You can connect directly to the site you want.
History	This menu shows the recently browsed pages.
Settings	You can set the profile, cache and security related to internet service.

Settings Menu 9	
Profiles	Access the list of service numbers assigned by service provider safely.
Date & Time	You can set functions relating to the date and time.
Languages	You can change the language for the display texts in your phone. This change will also affect the Language Input mode.
Display	You can change settings for the phone display.
Shortcut	You can customize your shortcuts.
Call	You can set the menu relevant to a call.
Password block	This menu allows you to set the phone safely.
Connectivity	You can select a network that will be registered either automatically or manually. Usually, the network selection is set to Automatic.

WAP Menu 8	
Home	Connects to a homepage.It will be defined by the service provider if you have not already defined it in the activated profile.
Vivo Busca	
Preferred links	
Enter address	You can connect directly to the site you want.
History	This menu shows the recently browsed pages.
Settings	You can set the profile, cache and security related to internet service.

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 calls 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.

› Replace the battery when it no longer provides acceptable performance. The battery pack may be recharged hundreds of times before it needs to be replaced.

› Do not expose the battery charger to direct sunlight or use it in high humidity, such as the bathroom.

› Risk of explosion if battery is replaced by an incorrect type.

› Dispose off used batteries according to the manufacturer’s instructions.

Vivo Chip Menu 3	
	In addition to the functions available in the phone, Vivo may offer additional applications such as weather or stock market information via the SIM card.

Tones and Images Menu 4	
Tones and Images	While browsing through various categories to find multimedia content for streaming download, you can also send the download link of the content to your email.

Images	You can check all of your images here.
Sounds	You can check all of your audio files here.
Video	You can check all of your video files here.
Others	This folder is used to store files which are not album, sounds, or others. Your transfer files from your computer to your phone will be stored here.

External Memory	This menu allows you to view Images, Sounds, Videos, Documents and Others in memory card.
------------------------	---

Phonebook Menu 5	
Search	You can Search for contacts in Phonebook. <p><i>Note: Instant searching is available by inputting the initial letter of the name you want to search.</i></p>
New contact	You can add phonebook entries by using this menu.
Speed dials	Assign contacts to any of keys between 2 and 9.
Groups	There are seven default groups on the phone. With Groups function, you can send a message to all members of a group at the same time.

Settings Menu 9 (Continued)	
Power save	If you set this to On, you can save the power when you are not using the phone.
Reset	This menu allows you to reset the entire phone to its factory defaults.
Memory status	You can check free space and memory usage of each repository.

WAP Menu 8	
Home	Connects to a homepage.It will be defined by the service provider if you have not already defined it in the activated profile.
Vivo Busca	
Preferred links	
Enter address	You can connect directly to the site you want.
History	This menu shows the recently browsed pages.
Settings	You can set the profile, cache and security related to internet service.

Settings Menu 9 (Continued)	
Power save	If you set this to On, you can save the power when you are not using the phone.
Reset	This menu allows you to reset the entire phone to its factory defaults.
Memory status	You can check free space and memory usage of each repository.

WAP Menu 8	
Home	Connects to a homepage.It will be defined by the service provider if you have not already defined it in the activated profile.
Vivo Busca	
Preferred links	
Enter address	You can connect directly to the site you want.
History	This menu shows the recently browsed pages.
Settings	You can set the profile, cache and security related to internet service.

☐ Guidelines for safe and efficient use (Continued)

Exposure to radio frequency energy

Radio wave exposure and Specific Absorption Rate (SAR) information

This mobile phone model 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 ensure 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 methods 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) 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/body is [0.686/482] 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) is 1.6 W/kg averaged over one (1) gram of tissue.

Phonebook Menu 5 (Continued)	
Copy all	You can copy all entries from SIM card memory to Phone memory and also from Phone memory to SIM card memory.
Delete all	You can delete all entries from SIM card memory or Phone memory.
Settings	You can check free space and memory usage.
Information	<ul style="list-style-type: none">› Service dial numbers: Access the list of service numbers assigned by service provider safely. › Own numbers: You can save and check your own numbers in SIM card. › My business card: This option allows you to create your own business card featuring your name, mobile phone number and so on.

Messages Menu 6	
New message	This menu allows you to write a new SMS or MMS message.
Inbox	You will be alerted when you have received a message.
Drafts	This menu shows the saved message.
Outbox	This menu allows you to view the message which is about to be sent or has failed to be sent.

Sent	This menu allows you to view the messages which have already been sent, including time and content.
-------------	---

Voice mail	This menu provides you with a quick way of accessing your voice mailbox.
Info message	Info service messages are text messages delivered by the network to your handset.

WAP Menu 8	
Home	Connects to a homepage.It will be defined by the service provider if you have not already defined it in the activated profile.
Vivo Busca	
Preferred links	
Enter address	You can connect directly to the site you want.
History	This menu shows the recently browsed pages.
Settings	You can set the profile, cache and security related to internet service.

☐ Guidelines for safe and efficient use

Please read these simple guidelines. Ignoring them may be dangerous or illegal. Further detailed information is given in this manual.

Warning

› For your safety, use ONLY specified ORIGINAL batteries and chargers.

› Switch off the phone in any area where required by special regulations, e.g. in a hospital where it may affect medical equipment.

› Batteries should be disposed off in accordance with relevant legislation.

Product care and maintenance

WARNING! Only use batteries, chargers 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.

› The unit should be kept away from heat sources such as radiators or cookers.

› Use a dry cloth to clean the exterior of the unit. (Do not use any solvents.)

› Do not keep the phone next to credit cards or transport tickets; it can affect the information on the magnetic strips.

WAP Menu 8	
Home	Connects to a homepage.It will be defined by the service provider if you have not already defined it in the activated profile.
Vivo Busca	
Preferred links	
Enter address	You can connect directly to the site you want.
History	This menu shows the recently browsed pages.
Settings	You can set the profile, cache and security related to internet service.

☐ Troubleshooting

Problem	Possible Solution
Telephone cannot be switched on	Please take out battery and insert again. Then press Power on key to power on the phone.
Battery empty	Charge battery. Check charging indicator on display.
The battery doesn’t charge properly or the phone sometimes turns itself off	Wipe the charging contacts, both on the phone and on the battery, with a clear soft cloth.
Usage time of battery becomes shorter	If the battery time is short, it may be due to the user environment, a large volume of calls, or weak signals.
Charging error—Temperature out of range	Make sure the ambient temperature is right, wait for a while, and the then charge again.
Charging error—Wrong charger	Only use original LG accessories.
Charging error—Battery defective	Replace battery.
Charging error—No battery icon appears when charging	The battery is empty or has been not used for a long time. It may take a while before the battery icon appears on the screen.
Forgot the phone code or password	The default phone code is “0000”.
Enter PUK	The PIN code has been entered incorrectly three times in succession, and the phone is now blocked. Enter the PUK supplied by your service provider.
Loss of Network	You may be in a weak signal area. Move and try again. You are trying to access an option for which you have no subscription with your service provider. Contact the service provider for further details.

Messages Menu 6 (Continued)	
Messenger	This service puts together the effectiveness of instant messages (just like ICQ, Yahoo Messenger, and Windows Live Messenger) and cellular mobility. Please check the availability of the service, pricing, and instructions with your service provider.
Vivo Chat	With Vivo Chat you can access chat rooms from anywhere. Please check the availability of the service, pricing, and instructions with your service provider.
Templates	There are pre-defined messages in the list. You can view and edit the template messages or create new messages.
Settings	This menu allows you to set features of your network service provider.

Entertainment Menu 7	
Game	Connect directly to the Vivo game site
Voice portal	To access the Voice Portal Live, connect your Live * 2211.
Vivo Informa	To access the Informa Live, simply call * 365 from your mobile phone.

WAP Menu 8	
Home	Connects to a homepage.It will be defined by the service provider if you have not already defined it in the activated profile.
Vivo Busca	
Preferred links	
Enter address	You can connect directly to the site you want.
History	This menu shows the recently browsed pages.
Settings	You can set the profile, cache and security related to internet service.

WAP Menu 8	
Home	Connects to a homepage.It will be defined by the service provider if you have not already defined it in the activated profile.
Vivo Busca	
Preferred links	
Enter address	You can connect directly to the site you want.
History	This menu shows the recently browsed pages.
Settings	You can set the profile, cache and security related to internet service.

Electronic devices

All mobile 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 a pacemaker, i.e. in your breast pocket.

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.

› Use a hands-free kit, if available.

› Pull off the road and park before making or answering a call if driving conditions so require.

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 use the phone at a refueling point. Do not use near fuel or chemicals.

In aircraft

Wireless devices can cause interference in aircraft.

› Turn off your mobile phone before boarding any aircraft.

WAP Menu 8	
Home	Connects to a homepage.It will be defined by the service provider if you have not already defined it in the activated profile.
Vivo Busca	
Preferred links	
Enter address	You can connect directly to the site you want.
History	This menu shows the recently browsed pages.
Settings	You can set the profile, cache and security related to internet service.

Problem	Possible Solution
You have entered a number but it was not dialed	Be sure that you have pressed Talk/ Yes key. Be sure that you have accessed the right network service. Be sure that you have not set an outgoing call barring option. Be sure that you have entered the area code.
Your correspondent cannot reach you	Be sure that your phone is switched on. Press Talk/ Yes key for more than one second. Be sure that you are accessing the network service. Be sure that you have not set an incoming call barring option.
Your correspondent cannot hear you speaking	Be sure that you have switched off the loudspeaker. Be sure that you are holding the phone close enough to your mouth. The microphone is located at the bottom of the phone.
The voice quality of the call is poor	Check the signal strength indicator on the display. The number of bars indicates the signal strength. Try moving the phone slightly or moving closer to a window if you are in a building.
No number is dialed when you recall a contact	Use the Phonebook Search feature to ensure the number has been stored correctly. Resave the number, if necessary.
Cannot use the Internet/WAP	Your subscription does not include data capability. You will need to contact your service provider to enable the service.
Cannot user MMS/picture messages on your phone	Your subscription does not include data capability. You will need to contact your service provider to enable the service.
If the above guidelines do not help you to solve the problem	Take note of the model number of your mobile phone and a clear description of the problem. Contact your phone dealer or LG Service Center for help.