

6. Operating Manual

**LG-MD120
User Guide**

CDMA PHONE

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Chapter 1. Getting Started

Cautions



- Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference.
- Keep your phone in a safe place when not in use.
- Only use the batteries, antennas, and chargers provided by LG. Using the wrong accessories could void your warranty.
- Only authorized personnel should service the phone and its accessories. Faulty installation or service may result in accidents and consequently invalidate the warranty.
- Do not hold the antenna while the phone is in use.
- Do not use the phone in designated “no cellular phone use” areas.
- Do not expose the phone to high temperature or humidity.
- Avoid getting your phone wet. If the phone gets wet, turn the power off immediately and remove the battery pack. If the phone is mal-functional, return it to the dealer for service.
- Avoid shock or impact on the phone.




Phone Overview

Function	Key Descriptions
Lamp	The light goes on when you use the power key to turn on the phone and when there are incoming calls and messages.
LCD screen	Displays messages & indicator icons.
END/PWR	Used to turn power on/off. This key disconnects a call. Using this key, you can also exit out of a menu back to the phone's standby display without changing the setting.
SEND	Allows user to place or answer calls.
Mouse Key	This mouse key allows quick access to text and voice mail notification messages. Profiles, R-World, and RingTone menu. And these keys are used to scroll through the memory locations and menu items.
Alphanumeric Keypad	These keys enable you to enter numbers and characters and choose menu items.
Soft Keys	The current operation of a soft key is defined by the word at the bottom of the display. Soft Keys 2 : If you press this key once in a menu, you can go back one level and if you press and hold the key in a menu, you can go back to the standby display.
OK Key	This key enables you to choose one item in the menu list. If you press this key in idle, mobile will show you the 'My menu' selection window.
Star/Pound Key	- In the standby status, set the manner mode by pressing the [*]button. (for 2 seconds) - In the standby status, set the lock function by pressing the [#]button. (for 2 seconds)
Clear Key	This key enables you to move previous menu or delete on a character in editor

On screen Icons

The phone screen displays several onscreen icons and onscreen icons appears when the phone is power on.

Icons	Descriptions
	Displays the strength of the signal received by the phone and current signal strength is indicated as the number of bars displayed on the screen.
	No service The phone is not receiving a system signal.

	In use A call is in progress. No icon indicates the phone is in standby mode.
	Indicates that a text message or voice mail has been received
	Charge level Indicates battery charge level.

Chapter 2. Basic Functions

Turning the Phone On and Off

Turning the Phone On

1. Install a charged battery pack or connect the phone to an external power source such as the cigarette lighter adapter or car kit.
2. Press [END/PWR] for a few seconds until the red light on the top of the phone flashes.
 - Fully extend the antenna for the best performance.

<Note> Like any other radio device, avoid any unnecessary contact with the antenna while your phone is on.

Turning the Phone Off

1. Press and hold [END/PWR] until display screen will be turned off, and then release the key.
2. Protect the antenna by pushing it back into the phone, if extended.

Making a Call

When you make a call, follow these simple steps:

1. Make sure the phone is turned on.
 - If not, press [END/PWR].
2. Enter the phone number with area code, if needed.
3. Press [SEND].
 - If the phone is locked, enter the lock code.
 - "Call Failed" indicates that the call did not go through.
4. Press [END/PWR] to disconnect the call.

Correcting Dialing Mistakes

If you make mistakes in dialing a number, press [CLR] key once to erase the last entered digit or hold down [CLR] for at least two second to delete all digits, or simply press soft key 2 [BACK] to exit dialing state.

Receiving Calls

1. When the phone rings, open cellcase or If cellcase is open, press any key (except [END/PWR],

[^][v], [^](()) to answer.

- If you press the key [END/PWR], Side Keys ([()]) once when you receive a call, you can hold the present call and ring sound or vibration stops. If you press the [END/PWR] key, Side Keys ([()]) twice, the present call is terminated.

2. Press [END/PWR] to disconnect the call.

In call waiting mode, the present call is on hold as you answer another incoming call.

This service is provided by your service provider.

When the call waiting function is activated, your phone will beep to let you know if you have an incoming call. Your phone may also display the incoming caller's identification.

Dialing a call from Phone Book

You can place a call from any memory location either by speed dialing or by pressing [SEND] while looking up the memory location.

One-Touch Dialing : One-touch dialing is a convenient feature which enables you to dial frequently used numbers in your speed-dial data by pressing a key .

- Entry 9 is designated to Emergency Call.
- [Entry 1 is designated to Voice Mail.](#)
- For locations 1 to 8, you can use one-touch dialing (if enabled, see "One-Touch" on page 9.) by pressing and holding down the key corresponding to the memory location.

OR

- Press digit, then press [SEND].

Two-Touch Dialing (Speed Dialing) : This dialing feature enables you to dial numbers in your phone book through two keys (for locations 10 to 99).

- 1) Press the first digit.
- 2) Press and hold the key of the second digit.

OR

- 1) Press the first and second digits, then press [SEND].

Dialing from a Memory List

- 1) From a memory list, press the scroll keys to go to the memory location you want.
- 2) Press [SEND].

Dialing from a Memory Location.

On viewing and checking the memory location to call, press [SEND].

Chapter 3. Menu Features

General Guidelines to MENU Access and Settings

1. Press Soft Key 1 [Menu]. The animation of menu category will appear on the display screen.
2. Press Soft key 1 [or Soft Key 3](#) [Ok]. The menu items will appear on the display screen.
3. Press[↖] to go through the list of menu features.
4. Press the corresponding number to the menu item that you want to select. Then the sub-menu list will appear on the screen.
5. Press the appropriate key to select the sub-menu you want to access.
6. Select preferred settings, using the [↖] keys. Press Soft Key 2 [Back] to go one step backward

while accessing menu or selecting settings.

7. Press Soft Key 1 or Soft Key 3 [Ok] to save the settings or Soft Key 2 [Back] to cancel without saving.

Names ([Menu]+[5])

see "Book Feature" on page 10.

Messages ([Menu]+[6])

see "Message Feature" on page 12.

Call History ([Menu]+[1])

Allows you to view the 60 most recently dialed phone numbers. Once you exceed the 60-number storage limit, the oldest call history record is overwritten. These calls are divided into 4 types of calls

All ([Menu]+[1]+ [1])

Allows you to view list of all the incoming and outgoing calls and you may place a call by pressing [Send].

Missed ([Menu]+[1]+ [2])

Allows you to view list of all missed incoming calls and you may place a call by pressing [Send].

Received ([Menu]+[1]+ [3])

Allows you to view list of all incoming calls and you may place a call by pressing [Send].

Dialled ([Menu]+[1]+ [4])

Allows you to view list of all outgoing calls you made and you may place a call by pressing the [Send].

In call memo ([Menu]+[1]+ [5])

Allows you to view memo saved in use memo

Call Duration ([Menu]+[1]+ [6])

1. Last Dialled call - Displays the time of last call made
2. All Dialled calls - Displays the time of all calls made
3. All calls
4. Reset All Duration – Allows you to clean duration

Erase History ([Menu]+[1]+ [7])

Allows you to erase call informations(missed, received, dialed, data calls)

Downloads ([Menu]+[2])

My Vivo ([Menu]+[3])

1. Main Keys([Menu]+[3]+[1])
Allows you to display the shortcut menu of Idle or not.
2. Menu Style([Menu]+[3]+[2])
Allows you to display the Topmenu in Grid Style or List Style.
3. Menu Reorder([Menu]+[3]+[3])
Allows you to set the shortcut menu of Idle in random order.

4. Sounds([Menu]+[3]+[4])

Allows you to set ringer, volume and alert types refer to

1.sound.Ringers([Menu]+[3] +[4]+ [1])

Here,you can set the ringer of Caller ID, No Caller ID , Power on and Power off

2.Volume([Menu]+[3] +[4]+ [2])

Allows you to set the volume of Ringer, Earpiece and key beep.

3.Alerts([Menu]+[3] +[4]+ [3])

You can set Alert type of Service Change, Minute Beep, and Call Connect.

4.Power On/Off Tone ([Menu]+[3] +[4]+ [4])

Allows you to set the type of Power On/Off Tone(On or Off).

5. Display([Menu]+[3]+[5])

Allow you to make any setting of screens.

1. Clock ([Menu]+[3]+[5]+[1])

You can determine that clock display or not in standby and time, date type if clock display. Wallpaper ([Menu]+[5]+[4])

You can set up the screen displayed on the LCD screen in the standby mode.
(Theme, Current Profiles display,Banner)

2. Screens([Menu]+[3]+[5]+[2])

You can chose the paper of Wall, Power on and Power off in this item.

3. Banner([Menu]+[3]+[5]+[3])

Allow you to set or remove banner in this item.

4. Backlight ([Menu]+[3]+[5]+[4])

Allows you to select how long or when the display screen and keypad are backlit.
The backlight is turned off 10 seconds/20 seconds/30 seconds/1min after the last key is pushed.

5. Brightness ([Menu]+[3]+[5]+[5])

You can set the brightness of the screen to 100% /80% /60% /40%.

6. Contrast ([Menu]+[3]+[5]+[6])

Allows you to set up LCD display contrast with [◀ ▶] key.

6. Language([Menu]+[3]+[6])

Allow you to set the language of the phone.

7. My Menu([Menu]+[3]+[7])

LCD will display top Menu list. You can add one of these to my menu and also remove registered menu from my menu.

Add : My menu is possible up to 10 pieces.

Remove : Allow you to remove registered menu from my menu.

Tone&Images ([Menu]+[4])

1. Images ([Menu]+[4]+[1])

Display the default and downloaded images in the phone

2. Tones ([Menu]+[4]+[2])

Display the default and downloaded tones in the phone

3. **Memory ([Menu]+[4]+[3])**

Display the states of memory which is used to store the downloaded images and tones of the phone.

Phonebook ([Menu]+[5])

see "Phonebook Feature" on page 12.

Messages ([Menu]+[6])

see "Messages" on page 12.

Entertainment ([Menu]+[7])

1. **Game and Apps([Menu]+[7]+[1])**

Allow you to download games and applications using BREW.

2. **Voice Portal([Menu]+[7]+[2])**

???

3. **Voice Informa([Menu]+[7]+[3])**

???

Voice Mail ([Menu]+[8])

1. **Voice Mail([Menu]+[8]+[1])**

???

More ([Menu]+[9])

1. **Tools([Menu]+[9]+[1])**

Allow you to use the tools in the phone.

2. **Settings([Menu]+[9]+[2])**

Allows you to set Menu, Sound, Display, Call, Phone and Security. Select menu with [▲] [▼] or [◆] key.

3. **Help([Menu]+[9]+[3])**

Display the helps which can be used to help you to use the phone easily.

Chapter 4. Phonebook Features

Phonebook ([Menu]+[5])

Voice Mail ([Menu]+[5]+[1])

In this menu, you can access the voice mail.

Vivo Agenda ([Menu]+[5]+[2])

In this menu, you can make a backup of the list of contacts to a server.

Add Name ([Menu]+[5]+[3])

1. Press Soft Key 1 [Menu]
2. Press [3]
3. Enter the phone number you want to add.
4. Select number's destination (Mobile Home, Office and Other)

5. Enter name
6. Press Soft Key 1 [Save]

Contacts ([Menu]+[5]+[4])

1. Press Soft Key 1 [Menu]
2. Press [4]
3. Enter the name you want to find.
4. You can go another find menu using Soft Key 1 [Options]
5. In View Menu, LCD will display all information belong to selected contact. And you can edit,send message or erase in this status.
6. In Find number, Enter the number you want to find.
7. In Find Group, You can select group with [◆] key.

Groups ([Menu]+[5]+[5])

In this menu, you can view group members, set ring tone and msg tone, edit group's title.

1. Press Soft Key 1 [Menu]
2. Press [5]
3. Select group you want with [◆] key.
4. Press Soft Key 1 [Options].
5. You can go sub menu(view members, set ring tone, set msg tone)
6. In View members menu, LCD will display all members belong to selected group. And you can add,erase or view contact in this status.
7. In Set Ring Tone menu, you can select ring tone with [◆] key.
8. In Set Msg Tone menu,You can select message tone with [◆] key.
9. Press Soft Key 2 [Edit], you can enter different group name.

Speed Dial ([Menu]+[5]+[6])

1. Press Soft Key 1 [Menu]
2. Press [6]
LCD will display all speed dial address, and you can select a address with [◆] key or by inputing address numbers.
3. If a address you selected is empty, you can select one of 3 option(Assign,Next empty and Remove all) with Soft Key 1 [Options].
4. In Assign menu, you can add name in speed dial
5. In Next empty menu, you can go next empty address
6. In Remove all menu, you can erase all address assigned in speed dial.
7. If a address you selected is assigned, you can select one of 3 option(Replace, Next empty, and Remove all) with Soft Key 1 [Options].
8. In Replace menu, you can replace another name saved in phonebook data.
9. In Next empty menu, you can go next empty address
10. In Remove all menu, you can erase all address assigned in speed dial.
11. If a address you selected is assigned,you also can press Soft Key 2 [Remove] and erase contact selected.

Chapter 5. Message Features

Text message, page and voice mailbox become available as soon as the power is on. You can access the above types of messages using the message key ([**▶**]). In addition, you can make a call to the call back number by pressing the [Send] during a message check.

The phone can store up to 31 messages (Voice message : 1, Text messages 30) with 140 characters per message. However, you should check whether your carrier provides the above features.

The information that is stored on the message is determined by phone mode and service capability. You can check types of messages by pressing the message key ([**▶**]).

Message Service

This service supports reception of the text message, alerting, and the voice mailbox. It is possible to access the above functions with the text message key .

It is possible to store up to total 31(new+old+voice) messages. It is recommended to check the number of character receivable because the capacity depends on the system service provider.

<Type of Menu>

- **New SMS**: Menu to send message.
- **Inbox** : Menu to check a new incoming, stored text message
- **Outbox** : Menu to check the message user have sent and was saved.
- **Voice Mail** : Menu to check the number of voice messages in the voice mailbox
- **Templates : Predefined Messages by user.**
- **Archive** : Saved message in Inbox
- **Drafts** : Saved message in Write message
- **Message Groups** : Msg Groups consists of 5 SMS/E-mail Group.
- **Msg Settings** : Menu to set the SMS priority or Delivery ack and so on.
- **Erase Message** : Menu to erase all the stored messages

- Move the cursor with the upside and downside keys [**⬆**], and press Soft Key1 [Select] for the menu requested. Press Soft Key 2 [Back] to return to the initial image on the terminal.

1. New SMS ([**▶**]+[1])

- A. Press [Select]
- B. Enter Message Menu and Press [Option]
 - **Send** : send msg
 - **Templates** : insert templates
 - **Save** : save to Draft
 - **Add Sign**: add signature
- C. Select [Send]
- D. Enter Phone Number

- Send : send msg
- Last : find last number
- SMS Groups : find sms groups
- Names: find phonebook

2. Inbox ([

- Press [Select]
- Press [Option]
 - View : view received msg
 - Erase : erase received msg
- Select [Reply]
 - send msg to #CB

3. Outbox ([

1.Sent

- Press [Option]
 - View : view sent msg
 - Erase : erase sent msg
- Press [Forward]
 - Forward : send msg to another phone number

2.Unsent

- Press [Option]
 - View : view sent msg
 - Erase : erase sent msg
- Press [Forward]
 - Forward : send msg to another phone number

4. Voice Mail ([

- Press [Select]
- Press [Option]
- Select [Listen]
 - Listen : listen voice mail
 - Erase : erase received voice mail

5. Templates ([

- Press [Add]

- 2) Press [Option]
(Edit:
 - Erase: erase template
- 3) Select [View]

6. **Archive ([]+[6])**

- 1) Press [Option]
- 2) Press [Forward]
(View : view msg
(Erase : erase msg
- 3) Select [View]
Press[Option]
 - Erase : erase msg
 - Reply :
 - Save AddressPress [Forward]

7. **Drafts([]+[7])**

- 1) Press [View]
- 2) Press [Erase]
- 3) From this state the same with Write message

8. **SMS Groups ([]+[8])**

- 1) Press [Option]
 - View
 - Rename
 - Clear Group
 - Clear All
- 2) Press [Send]

9. **Msg Settings ([]+[9])**

- 1) Press [Select]
- 2) Choose menu item, Press [Select]
 - Priority : You can select Priority (Normal/Urgent)
 - Delivery ack : You can select Delivery ack (On / Off)
 - Validity period : You can select Validity period. (Default, 30 Min etc)
 - Save sent message : You can select repeat alert (Yes / No)
 - Auto delete inbox : You can select repeat alert (Yes / No)

- Signature:
- Archive Lock:
- Message Alerts:

10. Erase Msgs ([**►**]+[0])

- 1) Press [Select]
- 2) Press [Select]
This menu will erase Inbox, Outbox, Archive, Draft and All
- 3) Select [Yes] if you want to erase

<SMS SERVICE PROGRAM>

####->[6. SMS MO]

Select <SMS MO >

1. SO : Select 8K or 13K
2. L3ACK : Select ON/OFF

Chapter 6. Functions used during a call

Press soft key 1[Menu]. Some settings will appear on the display screen

In Call Memo (During a call : [MENU]+[1])

You can save memo during a call and this data is saved at call history

Mute / Unmute (During a call : [MENU]+[2])

- Sometimes it is necessary to mute a call so that caller does not hear you or certain background noise. To use this function during a call, Press Soft Key 1 [Menu] and [1].
- If you need to release mute press the Soft Key 1 [Menu] and [1] key again.

Call Volume (During a call : [MENU]+[3])

You can select any volume you need by press right key (Volume up) or left key (Volume down) . Press Soft Key 1or Soft Key 3 to save.Certain Volume value will be saved without any key down automatically after 2 seconds.

Voice Privacy On/off (During a call : [MENU]+[4])

Set the voice privacy feature for CDMA calls as “Enhanced” or “Standard” :

CDMA offers inherent voice privacy. Check with your service provider for availability of the enhanced voice privacy mode.

Long/Short DTMF (During a call : [MENU]+[5])

If Short DTMF is set,you will hear a short beep as any key pressed.If Long DTMF is set,you will hear a long beep as any key pressed,and the beep will not disappear if you hold any key all through

Press soft key 2[Contacts].You can send msg or something else duiring a call.

Chapter 7. Accessories

There are a variety of accessories available for the phone. You can select these options according to your personal communication requirements. Consult your local dealer for availability.

Travel Charger

This charger, model TC-10W, allows you to charge the battery pack. It supports standard U.S. 120Volt 60Hz outlets. While an orange light indicates that it is charging, a green light indicates charging is complete. It takes 5 hours to charge a completely discharged battery.

Battery (LGLi-AAEM)

Standard battery and Extended battery are available.

Desktop Charger

The desktop charger, model DC-41W, allows you to place the phone for charging the stand. It can charge a completely discharged battery in 3 hours.

Cigar Lighter Charger

You can operate the phone and trickle charge the phone's battery from your vehicle by using the cigarette lighter charger, model CLC-11W. It takes 5 hours to charge a completely discharged battery.

Hands-Free Car Kit (Portable)

The hands-free car kit, model PHF-30W, enables you to attach the phone to the car providing you with hands-free operation. It will also charge a completely discharged battery in 5 hours.

Hands-Free Car kit(Install)

The installed hands-free car kit model IHF-51W is permanently installed in your car, and provides you with hands-free operation. It will also charge a completely discharged battery is shows.

Data Cable Kit

Connects your phone to your PC.(Model KW-a)

Headset

Connects to your phone, allowing hands free operation. Includes earpiece, microphone and mute key.

(Model Headset 1000)

Hand strap**AC Adaptor**

Appendix 1. RF Exposure Statement

WARNING! Read this information before operating the phone.

In August 1996, the Federal Communications (FCC) of the United States, with its action in Report and Order FCC 96-326, adopted an updated safety standard for human exposure to radio frequency(RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies.

The design of this phone complies with the FCC guidelines and these international standards.

CAUTION

Use only the supplied and approved antenna. Use of unauthorized antennas or modifications could impair call quality, damage the phone, void your warranty and/or result in violation of FCC regulations.

Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with skin, a minor burn may result. Contact your local dealer for a replacement of antenna.

Body Worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 1.5 cm from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 1.5 cm must be maintained between the user's body and the back of the phone, including the antenna, whether extended or retracted. The use of belt-clips, holsters, and similar accessories should not containing metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

Appendix 2. Consumer Information on SAR (Specific Absorption Rate)

This Model Phone Meets the Government's Requirements for Exposure to Radio Waves. Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. Because the phone is designed to operate at multiple power levels to use only the power required to reach the network, in general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model.

The highest SAR value for this model phone when tested for use at the ear is 0.963 W/kg and when worn on the body, as described in this user guide, is 0.653 W/kg (body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID UE2MD120.