Leading Digital Mobile Communications.
LG PCS Phone CDMA

LGP-2200W

USER GUIDE

PRELIMINARY

LG Information & Communications, Ltd.

Please read this manual before you use this product.

This manual is based on the production version of the LGP-2200W telephone. Software changes may have occurred after this printing.

LGIC reserves the right to make changes in technical and product specifications without prior notice.

CONTENTS

1. INTRODUCTION

1.1. Highlights

Congratulations on your purchase of the LGP-2200W phone that has been designed to operate on the latest digital mobile communication technology, Code Division Multiple Access (CDMA). This CDMA digital technology has greatly enhanced voice clarity and can provide various advanced features.

It is a new and compact phone with many useful and advanced features :

● Calculator

　The phone presents you the calculator function that calculates down to a decimal point.

● Paging

　In case the other party doesn't answer your calling in service area, you can leave your callback number on his/her phone. (Power On situation. Selection of Service provider)

● User Friendly Features

　Power save mode (08:00~18:00 off), Vibration, Two types of phone books, Pre-setting area code, Scratch pad and etc.

1.2. Important Information

1.2.1. Check Components

Each Standard unit comes with a two-slot desk top charger, two standard battery packs, a hand strap, a leather case and an user guide.

1.2.2. Caution

Any changes or modifications not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment.

Please fully charge the battery before the first use of the phone.

Please do not hold the antenna while on line.

Make it sure to keep your phone at safe places when not in use and avoid shock or impact.

The phone may cause TV or radio interference (i.e., when using the telephone in close proximity to receiving equipment).

Only use the batteries, antennas, and chargers provided by LGIC. The use of any other type will invalidate the warranty and may be dangerous.

Exposure to high temperature or humidity should be avoided. Trouble may arise out of wetting your phone by rain or liquid spills.

2. GETTING STARTED

This section includes drawings of the important phone parts and instructions on getting your phone powered up and ready to use.

2.1. Front View of the Phone

(Picture is not available)

2.2. Function Keys Description

The following keys perform these functions when pressed during most procedures:

[PWR]   Power key to turn power **On** and **Off**

[MENU] Displays menu text.

[SEND] Places a call.

[STO]   Stores your settings, phone numbers into memory usually at the end of your setting process. It is also used to enable and relearn the mute feature while on line.

[END]   Disconnects a call. Also exits all the way out of a menu back to the phone's most basic standby display without changing the setting.

[RCL]   Search and recalls phone numbers in memory.

[CLR]   Clears letters/numbers from the screen. Press once to erase one digit or letter. Press and hold to erase all digits. When in a menu, press to go back one level and press and hold to go back to the standby display.

[◄ *, # ►] Scrolls through phone book entries and menu items.

[1,2,]   Enters numbers, characters, and chooses menu items.

2.3. LCD Icons Description
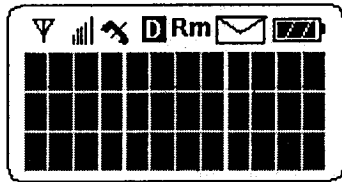
Signal Strength
The more signal strength lines appearing on the display, the stronger the signal strength will be. If the signal is poor, raise the antenna for best performance. If you are in a building, the reception may be better near a window.

No Service
The phone is not receiving system signal

In Use
Call is in progress
*No Icon indicates the phone is in standby

Digital Indicator
Digital Service is available

Message
Message or page waiting

Roaming
The phone is outside of its home service area

Charge Level
Indicates battery charge level

2.4. Using the Battery
The phone comes with a rechargeable battery pack. The battery pack is not fully charged so you have to charge it immediately after purchasing the phone. Remember to charge the battery as soon as possible in order to maximize the talk time and standby time.

2.4.1. Installing the Battery

1. Fit the lower end of the battery pack into the corresponding lower end of the phone.
2. Push the battery pack forward the phone until you hear "clicking".

2.4.2. Removing the Battery

1. Turn the power off; otherwise, you may lose stored numbers and messages.
2. Press down the battery release latch and then pull out the battery pack.

2.4.3. Charging the Battery

The battery charge level is shown at the top right of the display panel.

When the battery charge level becomes low, the low battery sensor will alert you by sounding an audible tone, by flickering the battery icon and also displaying "LOW BATTERY WARNING". If the battery level becomes too low, the phone will switch off and any function in progress will not be saved.

Batteries may be charged using the standard LGIC desktop charger, optional travel charger, or cigarette lighter adapter.

2.4.4. Using the Desktop Charger

Warning: Only use the desktop charger and AC adapter provided with the phone. Using the wrong adapter may cause damage.

1. Plug the charger into a wall outlet.
    * Only 110V is available.
    * If the AC power connected to the desktop charger, green and red
      lamps blink once.

2. Insert either the battery pack alone or the phone with installed battery pack into the slot. You should then see a red light on the charger indicating that the battery is being charged. A green light indicates a fully charged battery.

If battery is completely discharged, it takes approximately 2 and a half hours to fully charge for the extended battery.

You do not need to completely discharge the battery before charging. Unlike

other battery systems, there is no memory effect which could degrade the battery performance.

2.4.5. Battery Care

● Only use LGIC battery packs and chargers. Do not use any other battery pack or charger. LGIC's chargers are designed to maximize the battery life performance.

● Do not attempt to disassemble or short-circuit the battery pack.

● Do not charge the battery pack in temperatures outside of 32 ° F to 122 ° F (0 ° C to 50 ° C) because damage could occur.

● Never dispose of the battery pack by a fire that may cause explosion.

● Keep the metal contacts at the bottom end of the battery pack clean.

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

● Recharge the battery if it has not been used for a long time.

● Do not use the battery charger in direct sunlight or in places with high humidity such as bathroom.

2.5. Turning the Phone On and Off

2.5.1. Turning On

Make sure that the charged battery pack has been installed in the back of the phone or that you have external power (using the cigarette lighter charger or car kit).

Press ⬭PWR⬭ for a few seconds until red light at the top of the earpiece is lit. (about 1 second)

  ● LCD displays the initial screen with "beep" sound.

     ☞ If LCD displays "LOCKED", read security on page ??. Factory initial security code is "OOOO" and will be replaced with the last four digits of your phone number assigned to you by the telephone company.

2.5.2. Turning Off

1. Press ⬭PWR⬭ for a few seconds until the display is cleared.

2. Release ⬭PWR⬭

2.5.3. Antenna

Extract the antenna for best voice quality.

3. Basic Functions

3.1. Making a Call

First, check that your phone is on. The display indicators should be visible on the screen.

1. Enter the phone number.
2. Press SND.
   - If the phone is connected to the System, you can hear Call Alert.
   - If the phone is locked, the number is restricted, or there is another problem. Enter the Lock Code.
3. Press ⬭END⬭ to disconnect the call.

3. 2. Correcting Dialing Mistakes

- Press CLR to erase the last one digit at a time.
- Press and hold CLR for at least one second to delete all digits or letters.

3.3. Receiving Calls

Your phone must be turning on to receive calls.

1. Press any key (except ⬭PWR⬭ or volume keys) to answer.
2. Press ⬭END⬭ to disconnect the call

3.4. Mute

This function prevents your voice from being transmitted, but you can still hear the other party's talking.

1. Press ⬭MENU⬭ + 1 while in a call.
2. To release Mute, press ⬭MENU⬭ + 1 again.

3.5. Redialing Calls

3.5.1. Redialing Last outgoing Number
1. Press SND to redial the last outgoing call.

3.5.2. Redial Last Ten Calls
You can redial any of your last ten calls through the call history list. See the Memory Use section.

3.6. Emergency Dialing
As long as your phone is registered on a system, you can call to emergency number 911 even if your phone is locked or restricted.

1. Press 911 .
2. Press SND.

3.7. Key Lock
This function allows you to carry the phone safely. While carrying a phone, it makes the keypad is not working except menu key.

1. Press (MENU) for about 2 seconds.
2. To release Key Lock, press (MENU) for about 2 seconds again.

4. Phone Book Features

You should be familiar with the basic functions of the phone before using the phone book. There are two types of phone books: primary phone book memory and recent call history list.

4.1. Two Types of the Phone Book

4.1.1. Primary Phone Book Memory

The phone has 99 general use phone book memory locations where you can store entries of up to 32 digits with an associated name up to 12 characters.

4.1.2. Recent Call History List

The phone keeps a list of the last 10 calls you made or added by the scratch pad. To get to the Call History list, press ⟨RCL⟩ and "◄*" or "►#" to scroll through the list.

Depending on the operating mode and available features, each entry may contain the phone number, name, and time stamp (which indicates time of call).

4.2. How to Enter the Characters

Press the key labeled with letter you want. Pressing a key repeatedly will change the letter or number in the flashing cursor position on the screen. When you have the correct letter or number in position on the screen, wait about two seconds for the cursor to automatically advance one space. Press **CLR** to correct any mistakes. Move the cursor to the left or right by "◄*" or "#►" button.

4.3. Entering Numbers to your Primary Phone Book

Memory locations 1 to 9 should be used for one-touch dial or most commonly used phone numbers.

1. Enter the phone number that you want to save. (up to 32 digits and pause)
2. Press ⟨STO⟩ and then cursor will appear.
3. Enter a Name (up to 12 Characters) to go with a number. (If you don't want to enter a name, just press ⟨STO⟩)

4. Press ⬭STO to save the name and move to the next step.

5. Press ⬭STO to store the number in the first available storage memory location. Or, enter a specific, two digit memory location number.

6. The phone will ask whether you want to keep this number secret or not. Select "Yes" or "No" using "◀*" or "#▶" button. If you select "Yes", secret numbers do not display on the screen and they can only be deleted, not edited.

7. Press ⬭STO to save the number.

4.4. Erasing a Stored Memory Location

1. Press ⬭RCL. Recall and view the memory location.

2. Press ⬭MENU to select the erasing number and press ⬭RCL. This will erase the name and number from the memory location leaving it free for a future entry.

3. Press ⬭STO.

4. "-erased-" will view on the display to confirm that the entry has been erased.

4.5. Editing a Stored Memory Location

1. Recall the memory location.

2. Press ⬭MENU.

3. Press ⬭MENU.(Editing)

4. Edit the number using the digit keys, and **CLR**.

5. Press ⬭STO.

6. Edit the name using "◀*" or "#▶", the digit keys, and **CLR**.

7. Press ⬭STO. The original memory location is viewed on the display.

8. Press ⬭STO to overwrite the memory location displayed or enter a new memory location.

9. And then the phone will ask whether keeps your number secret or not. Press ⬭STO for "NO" or select "YES" using "◀*" or "#▶" to finish the editing process.

5. MENU FEATURE

5.1. Main Menu

Menus allow you to check or change the phone's various features and settings. You may see the different menus using either the menu access method or the shortcut menu access method.

1. Press (MENU).
2. Press ◀* or #▶ to step forward or backward through the list of features.
3. Press **CLR** to go back one step.
4. Press the number corresponding to the menu item that you want to select.
5. Press ◀* or #▶ to cycle through the possible settings.
6. Press (STO) to save the setting.
7. Press (END) to cancel without saving.

5.2. Menu Item Descriptions

5.2.1. Alert Vol

This allows you to adjust the various ringer sound and volume.

1. Press (MENU) + **1**.
2. Select **1, 2** or **3**.
　　1. Ringer : Adjust the ringer volume with ◀* or #▶ key.
　　2. Key Beep : Adjust the Key Beep volume with ◀* or #▶ key.
　　3. Earpiece : Adjust the Earpiece volume with ◀* or #▶ key.
3. Press (STO)

5.2.2. Set Lock

You must enter the lock code to see what is in the security menu. Typical values are either the last four digits of your phone number or 0000.

5.2.2.1. Lock Mode

1. Press (MENU) + 2.
2. Enter the lock code (4 digits)
3. Press 1
4. Adjust with ◀* or #▶ key to select "YES"

16

5. Press ⬭STO⬮.

5.2.2.2. New Code
1. Press ⬭MENU⬮ + 2.
2. Enter the lock code (4 digits)
3. Press **2**
4. Enter the new lock code
5. Press ⬭STO⬮
6. Enter the new lock code again
7. Press ⬭STO⬮.

5.2.3. Call Time
5.2.3.1. Last Call
Display duration of last call in minutes and seconds.
1. Press ⬭MENU⬮ + 5 + 3.
2. Press ⬭STO⬮.

5.2.3.2. All Calls
Display the total number of calls and time (minutes and seconds) including calls made while in the home system and while roaming. This is NOT resettable.
1. Press ⬭MENU⬮ + 3 + 2.
2. Press ⬭STO⬮.

5.2.4. Rsvd/Alarm
This menu allows you to select the reserved call up to 7 and alarm time.
1. Press ⬭MENU⬮ + 4 .
2. Press 1 or 2
3. Press ⬭STO⬮.

5.2.5. Select Ring

This menu allows you to adjust the various ringer sound and type

5.2.5.1. Ring sound

1. Press (MENU) + 5 +1.

2. Adjust with ◀* or #▶ key to choose Ring sound you wish

3. Press (STO).

5.2.5.2. Ring type

1. Press (MENU) + 5 +2.

2. Adjust with ◀* or #▶ key to choose Ring type you wish

3. Press (STO).

5.2.6. NAM Select

5.2.6.1. NAM Select

Select the phone's NAM (Number Assignment Module) if the phone is registered with multiple service providers.

1. Press (MENU) + **6**.

2. Press 1 or 2

3. Press (STO).

5.2.6.2. SMS Select

Select the phone's SMS (Short Message Service)

1. Press (MENU) + **6**.

2. Press 3

3. Adjust with RCL or MENU key as a soft key to select message

4. Press (STO).

5.2.7. Security
You must enter the lock code to see what is in the security menu.

5.2.7.1. Restrict
1. Press (MENU) + 7.
2. Enter the lock code (Last 4 digits of your phone number)
3. Adjust with ◀* or #▶ key to choose **Yes** only for making call to emergency numbers and from phone book memory location
4. Press (STO)

5.2.7.2. CLR Memory
1. Press (MENU) + 7.
2. Enter the lock code (Last 4 digits of your phone number) and press 2
3. Press (STO) to clear memory

5.2.7.3. CLR Calls
1. Press (MENU) + 7.
2. Enter the lock code (Last 4 digits of your phone number) and press 3
3. Press (STO) to clear calls

5.2.7.4. Sec Code
1. Press (MENU) + 7.
2. Enter the lock code (Last 4 digits of your phone number) and press 4
3. Enter a new lock code
4. Press (STO)
5. Enter a new lock code again
6. Press (STO)

5.2.7.5. Send PIN
This feature is used for international roaming by your service provider company
1. Press (MENU) + 7.
2. Enter the lock code (Last 4 digits of your phone number) and press 5
3. Adjust with ◀* or #▶ key to select "never" or "prompt"
4. Press (STO).

5.2.7.6. Phone Reset

1. Press ⟨MENU⟩ + 7.
2. Enter the lock code (Last 4 digits of your phone number) and press 6
3. Adjust with ◀* or #▶ key to choose YES
4. Press ⟨STO⟩

5.2.8. Features

5.2.8.1. Backlight

1. Press ⟨MENU⟩ + 8.
2. Press 1
3. Adjust with ◀* or #▶ key
4. Press ⟨STO⟩

5.2.8.2. Auto Answer

Set the phone to answer incoming calls automatically.

1. Press ⟨MENU⟩ + 8.
2. Press 2
3. Adjust with ◀* or #▶ key
4. Press ⟨STO⟩

5.2.8.3. Auto Retry

1. Press ⟨MENU⟩ + 8.
2. Press 3
3. Adjust with ◀* or #▶ key
4. Press ⟨STO⟩

5.2.8.4. Disp Time

Allows display current time on the phone

1. Press ⟨MENU⟩ + 8.
2. Press 4
3. Adjust with ◀* or #▶ key
4. Press ⟨STO⟩

5.2.8.5. 1min Alert

Alerts you every 10 seconds before the end of every minute during a call

1. Press (MENU) + 8.
2. Press 5
3. Adjust with ◀* or #▶ key
4. Press (STO)

5.2.8.6. Call Alert

Display time on the phone

1. Press (MENU) + 8.
2. Press 5
3. Adjust with ◀* or #▶ key
4. Press (STO)

5.2.8.7. Key DTMF

Set key beep play back length

1. Press (MENU) + 8.
2. Press 7
3. Adjust with ◀* or #▶ key
4. Press (STO)

5.2.8.8. Init Name

Allows you to enter your own name to display while your phone is in stand-by mode

1. Press (MENU) + 8.
2. Press 8
3. Adjust with ◀* or #▶ key
4. Press (STO)

5.2.8.9. Autohypen

When "ON" is selected, the phone automatically inserts hyphens to e consistent with U.S. phone numbers

1. Press (MENU) + 8.
2. Press 9

3. Adjust with ◀* or #▶ key

4. Press ⬭STO⬭

5.2.8.0. Privacy

Sets the inherent voice privacy feature of CDMA phone call to either Enhanced and Standard.

1. Press ⬭MENU⬭ + 8.

2. Press 0

3. Adjust with ◀* or #▶ key

4. Press ⬭STO⬭

5.2.0. Own TEL No

Displays your registered phone number

Press ⬭MENU⬭ + 0.

6. PHONE SAFETY AND CARE

6.1. Background

First introduced in 1984, the hand-held portable cellular telephone is one of the most exciting and innovative electronic products ever developed. With it you can stay in contact with your office, your home, emergency services, etc.

Your LGP-2200W telephone is a radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) energy. The phone operates in the frequency range of 824 MHz to 894 MHz. When you use your phone, the system handling your call controls the power level at which your phone transmits. The power level can range from 0.006 of a watt to 0.6 of a watt.

6.2. Exposure to Radio Frequency Energy

In 1991, the Institute of Electronical and Electronics Engineers (IEEE) and in 1992, the American National Standards Institute (ANSI) updated the 1982 ANSI Standard for safety levels with respect to human exposure to RF energy. Over 120 scientists, engineers, and physicians from universities, government health agencies, and industry, after reviewing the available body of research, developed this updated standard.
In March 1993, The U.S. Federal Communications Commission (FCC) proposed the adoption of this updated standard.

The design of the LGP-2200W phone complies with this updated standard. Of course, if you want to limit RF exposure even further than the updated ANSI Standard, you may choose to control the duration of your calls and operate your phone in the most power efficient manner.

6.3. For Best Performance

To properly operate the phone and maintain safe and satisfactory service, follow these rules.
- Extend the antenna fully.
- Hold the phone with the antenna up and over your shoulder.
- Do not hold the phone antenna at any time.

- Do not use the phone with a damaged antenna.
- Speak directly into the mouthpiece.
- Use the phone when the car is stopped.

Avoid exposing the phone and accessories to rain or liquid spills. If the phone gets wet, turn the power off immediately and remove the battery pack. If the phone is inoperable, then return it to the dealer for service.

Only authorized personnel should install or service the phone and its accessories. Faulty installation or service may be dangerous and may invalidate the warranty.

6.4. Driving Safety

Talking on the phone while driving is extremely dangerous and is illegal in some states. Remember, safety comes first.

Check the laws and regulations on the use of PCS phones in the areas where you drive. Always obey them.

When using the phone in the car:
- Give full attention to driving
- Use hands-free operation
- Pull off the road and park before making or answering a call.

If you must use the phone while driving, please use one-touch, speed dialing, and auto answer modes.

FAILURE TO FOLLOW THESE INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

6.5. Other Safety Guidelines

For the safe and efficient operation of your phone, observe the following guidelines.

Remember to follow any special regulations in force in any given area. Always turn off the phone wherever its use is forbidden or when it may cause

interference or danger.

6.5.1. Electronic Devices

Most modern electronic equipment is shielded from RF energy. However, RF energy from PCS telephones may affect inadequately shielded electronic equipment.

RF energy may affect improperly installed or inadequately shielded electronic operating and entertainment systems in motor vehicles. Check with the manufacturer or its representative to determine if these systems are adequately shielded from external RF energy.

You should also check with the manufacturer of any equipment that has been added to your vehicle.

Consult the manufacturer of any personal medical devices (such as pacemakers, hearing aids, etc.) to determine if they are adequately shielded from external RF energy.

Turn off the phone in health care facilities and request permission before using the phone near medical equipment.

6.5.2. Aircraft

Turn the phone off before boarding any aircraft. Use it on the ground only with crew permission. Do not use it in the air. To prevent possible interference with aircraft systems, U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crewmember to use your phone while the plane is on the ground. To prevent interference with mobile phone systems, FCC regulations prohibit using your phone while the plane is in the air.

6.5.3. Children

Do not allow children to play with your phone. It is not a toy. Children could hurt themselves or others (by poking themselves or others in the eye with the antenna for example). Also, children could damage the phone or make calls that increase your telephone bills.

6.5.4. Blasting Areas

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

6.5.5. Potentially Explosive Atmospheres

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

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Do not transport or store flammable gas, liquid, or explosives in the compartment of your vehicle which contains your phone or accessories.
Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

7. Summary Table

FUNCTION	STEPS
Power-on	[PWR]
Power-off	hold [PWR] (for about 1 seconds)
Making a call	Phone Number, [SEND]
Receiving a call	Open the flip or press any button except the volume key.
Volume Adjust - Key Tone - Ringing Sound - Ear piece	 Press any numeric button and adjust with the volume key [+]/[-] on stand-by adjust with the volume key [+]/[-] on stand-by, adjust with the volume key [+]/[-] on line.
Selecting Ringing Sound	[MENU], [4], [◀*]/[#▶], [STO]
Saving Phone Number	Phone Number, [STO], Name, [STO], Numeric Memory Location, [STO], [STO]
Deleting Phone Number	[RCL],[2], Numeric Memory Location, [CLR] [STO]
Speed Dialing One-Touch Two-Touch	After setting up speed dialing hold the last digit (1-9)of the numeric memory location Press the first digit and hold the last digit of the numeric memory location
Redialing	At connection failure, [END], [SEND]
Verifying my phone Number	[RCL], [RCL]
Call History	[RCL], [1], [◀*],/[#▶], [CLR]
Deleting Call History	[MENU], [6], Secret code, [5], [STO]
Mute	[STO] on line
Last Call	[MENU], [5], [1], [STO]
All Calls	[MENU], [5], [4], [STO]
Minute Alert	[MENU], [3], [2], [◀*]/[#▶], [STO]
Backlit Setting	[MENU], [7], [1], [◀*]/[#▶], [STO]
Security	[MENU], [6], secret code, [1], [◀*]/[#▶], [STO]
New Code	[MENU], [6], secret code, [3], new secret code, [STO], new secret code, [STO]
Restrict	[MENU], [6], secret code [2], [◀*]/[#▶], [STO]

Banner	[MENU], [7], [2], [RCL], logo, [STO]
Auto Answer	[MENU], [1], [1], [◄*]/[#►], [STO]
Speed Dialing	[MENU], [1], [5], [◄*]/[#►], [STO]