




LG-TD5130

P/N : MMB0129801(1.3) 



TD5130

Pulsating Sound and Exciting Colours

User Guide



Contents

Introduction | 3

Important Information

Before You Start | 4

Check Accessories

Safety Instructions

Chapter 1 Getting Started | 8

Cautions	8
Phone Components	9
Phone Overview	10
Onscreen Icons	11
Using the Battery and Charger	12

Chapter 2 Basic Functions | 15

Turning the Phone On and Off	15
Making a Call	15
Receiving Calls	16
Signal Strength	16
About the antenna	16
Quick Adjust	17
Call Waiting	18
Mute	18
Redialing Calls	19
Speed Dialing	19
Caller ID	19
Entering Information Using T9 Text Input	20
Examples Using T9 Text Input	22

Chapter 3 Phone Book | 25

Phone Book Features	25
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LG-TD5130

Chapter 4 Menu Features | 30

General Guidelines to Menu Access and Settings	30
Names	30
Messages	34
Call History	43
Profiles	46
Display	49
Game	51
Organizer	53
Settings	57

Chapter 5 Functions Used During a Call | 65

In Call Memo	65
Mute/Unmute	65
Voice Privacy On/Off	65
Send My Number	65
Long DTMF/Short DTMF	66
Earpiece/Speaker Volume	66
Adjusting Speaker On	66

Chapter 6 Accessories | 67

Chapter 7 Menu Tree | 68

Chapter 8 Frequently Asked Questions | 70

Chapter 9 Safety Guidelines | 74

TIA Safety Information	74
FDA Consumer Update	78
Consumer Information on SAR	88
MANUFACTURER'S WARRANTY	90

Introduction

Congratulations on your purchase of the LG-TD5130 cellular phone that has been designed to operate with the latest digital mobile communication technology, Code Division Multiple Access (CDMA). The CDMA system has greatly enhanced voice clarity and can provide various types of advanced features.

This is an advanced and compact phone which has diverse features as follows :

- Large, easy-to-read, 6-line, backlight LCD with status icons.
- Paging, Messaging, Voice mail, and Caller ID.
- 18-key keypad(10 number keys / 2 function keys / 2 Soft keys / 1 clear key / 1 navigation key / 1 Call key / 1 End key).
- Long battery stand-by and talk time.
- Choice of 19 ring sounds.
- Menu-driven interface with prompt for easy operation and configuration.
- Call privacy inherent with CDMA encoding.
- Any key answer, auto redialing, one touch and speed dialing with 99 memory locations.
- Optional accessories with greater convenience and enhanced functionality.
- You can hear the recipient's voice louder with Speaker On mode during a call.

Important Information

This user's manual provides important information on the use and operation of your phone. Please read all the information carefully prior to using the phone for the best performance and to prevent any damage or misuse of the phone. Any unapproved change or modification will void your warranty.

LG-TD5130

Before You Start

Check Accessories

Your mobile phone comes with a AC Adaptor, rechargeable battery and a handstrap. Please verify that these accessories are included.

Safety Instructions

WARNING! To reduce the possibility of electric shock, do not expose your phone to high humidity areas, such as the bathroom, swimming pool, etc.

Use only LG-approved batteries and travel chargers to avoid the damage to the phone. Using other batteries or chargers voids your warranty and may cause the explosion.

Do not use batteries and travel chargers for the other purposes other than their original purpose of using for the phone.

Always store your phone away from heat. Never store your phone in settings that may expose it to temperatures less than -20°C or greater than 50°C, such as outside during a snowstorm or in your car on a hot day. Exposure to excessive cold or heat will result in malfunction, damage and/or catastrophic failure.

Use caution when using your phone near other electronic devices. RF emissions from your mobile phone may affect nearby inadequately shielded electronic equipment. You should consult with manufacturers of any personal medical devices such as pacemakers and hearing aides to determine if they are susceptible to interference from your mobile phone. Turn off your phone in a medical facility or at a gas station.

LG-TD5130

Never place your phone in a microwave oven as it will cause the battery to explode.

IMPORTANT! Please read the TIA SAFETY INFORMATION (on page 74) before using your phone.



FCC RF Exposure Information

WARNING! Read this information before operating the phone.

In August 1996, the Federal Communications Commission (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 accessories. Use of unauthorized accessories or modifications could impair call quality, damage the phone, void your warranty.

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

LG-TD5130

Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 3/4 inch (2cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 3/4 inches (2cm) must be maintained between the user's body and the back of the phone, including the antenna. Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used. Body-worn accessories that cannot maintain 3/4 inch (2cm) separation distance between the user's body and the back of the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

***Vehicle Mounted External Antenna
(optional, if available)***

A minimum separation distance of 8 inches (20 cm) must be maintained between the user/bystander and the vehicle mounted external antenna to satisfy FCC RF exposure requirements.

For more information about RF exposure, visit the FCC website at www.fcc.gov

FCC Part 15 Class B Compliance

This device and its accessories comply with part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device and its accessories may not cause harmful interference, and (2) this device and its accessories must accept any interference received, including interference that cause undesired operation.

Cautions for Battery

- Do not disassemble.
- Do not short-circuit.
- Do not expose to high temperature : 140°F(60°C)
- Do not incinerate.

Battery Disposal

- Please dispose of your battery properly or bring to your local wireless carrier for recycling.
- Do not dispose of your battery in fire or with hazardous or flammable materials.

Charger Cautions

- Using the wrong battery charger could damage your phone and void your warranty.
- The charger is intended for indoor use only.

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



LG-TD5130

Chapter 1 Getting Started

Cautions









- Only use the batteries and chargers provided by LG. The warranty will not be applied to products provided by other suppliers.
- Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference in this phone.
- Keep your phone in a safe place when not in use.
- 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.
- Use only the antenna provided or approved by LG. Unauthorized antennas, modifications or attachments may affect the quality of phone call, damage the phone or result in a violation of FCC regulations.
- Do not use the cellular phone if the antenna is damaged. If the damaged antenna gets in contact with the skin, it may cause a slight burn. Please contact LG Authorized Service Center to replace the damaged antenna.
- Do not use the cellular phone in areas where its use is prohibited. (For example: aircrafts).
- Do not expose the cellular phone to high temperature or high humidity conditions.
- Do not expose your cellular phone to water. If this happens, turn it off immediately and remove the battery. If the phone does not work, bring it to an LG Authorized Service Center.
- Avoid shock or impact on the cellular phone.

Phone Components

The following shows key components of your mobile phone.











Phone Overview

LCD Screen	Displays messages & indicator icons.
Soft Keys (the names of the functions of these keys appear at the bottom of the screen)	<p>Soft Key 1 </p> <p>Used to display the function setting menu.</p> <p>Soft Key 2 </p> <p>Press this key once in a menu, to go back one level.</p>
CALL Key	Allows user to place or answer calls.
END/PWR Key	Used to turn power on/off and to end a call. Using this key, you can return to the main menu display screen.
Alphanumeric Keypad	These keys enable you to enter numbers and characters and choose menu items.
Navigation Key	This Navigation key allows quick access to  Messages and Voice Mail notification messages.  Ring Tone,  Scheduler,  Profiles.
Clear Key	Press CLR to delete a single space or character. Press and hold to delete entire words.
Speaker On Key	In standby mode, set the speaker on mode by pressing and holding the key  about 2 seconds.
Vibrate Mode Key	In standby mode, set the vibrate mode by pressing and holding the key  about 2 seconds.

Onscreen Icons

The phone screen displays several onscreen icons which appear when the phone is powered on.

Icons	Descriptions
	Displays the strength of the signal received by the phone and current signal strength is indicated by 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 has been received
	Indicates that a Voice Mail has been received
	In Vibrate mode.
	In Alarm mode.
	Charge level Indicates battery charge level. When the battery gets fully charged the charging indicator becomes yellow in color.

LG-TD5130

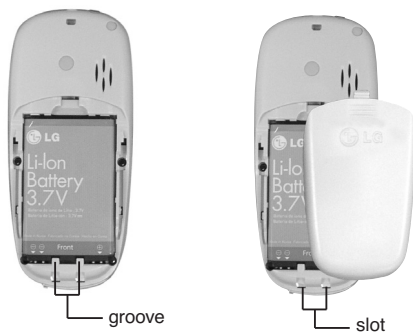
Using the Battery and Charger

Charge the battery fully before the initial use of the phone.

The phone comes with a rechargeable battery. Keep the battery charged while not in use in order to maximize talk and standby time when using the phone.

Installing and Removing the Battery



- To install, insert the battery into the opening on the back of the phone, and insert the bottom of battery into groove at the bottom of the handset. Gently press down the cover until the latch snaps into place.
- To remove, push the back cover down. Push the tab with one hand and lift the top of the battery to separate.



Charging the Battery

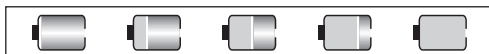
To use the AC adapter charger provided with your phone:

1. Plug the AC adapter into the electrical outlet.
2. Insert the round end of the adapter into the AC adapter jack on the bottom of the phone. (Make sure the battery is installed.)

- As the phone charges, the battery icon continually displays a progression from empty () to full (). It takes about three hours to fully recharge a completely rundown battery. When the battery gets fully charged the charging indicator becomes yellow in color.

Battery Charge Level

The battery charge level is shown at the top right of the LCD screen.



When the battery charge level becomes low, the low battery sensor will alert you in three ways: sounding an audible tone, blinking the battery icon outline, and displaying **LOW BATTERY WARNING!** If the battery charge level becomes exceedingly low, the phone will automatically switch off and any function in progress will not be saved.

LG-TD5130

Caring for the Battery

- 1) If you use the unauthorized battery, it may cause the damage to or explosion of the battery. Therefore, please prohibit using the unauthorized ones.
- 2) You do not need to wait until the battery completely runs down to recharge the battery.
- 3) Use only LG batteries and chargers specific to your model of phone. LG's chargers are designed to maximize battery life.
- 4) Do not disassemble or short-circuit the battery.
- 5) Keep the battery's metal contacts clean.
- 6) Replace the battery when it no longer provides acceptable performance. The battery can be recharged several hundred times before it needs replacing.
- 7) Recharge the battery if it has not been used for a long time to maximize battery life.
- 8) Do not expose the battery charger to direct sunlight or use it in areas of high humidity, such as the bathroom.
- 9) Do not leave the battery in hot or cold places as it may deteriorate battery performance.
- 10) Your battery life may vary by location, use patterns, etc.
- 11) Long backlight settings, searching for service, data connectivity, and synchronization all may affect battery life, talk, and standby times.



LG-TD5130

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 charger, car kit or AC Adaptor.
- 2) Hold down the Key **END** for 2 seconds until the LCD screen flashes.

Note As any other communication device, avoid any unnecessary contact with the antenna while your phone is turned on.

Making a Call

Every time you make a call, follow these steps:

- 1) Make sure that the phone is turned on. If not, hold down **END** for 2 seconds.
- 2) Type the phone number and then press **CALL**.
 - If the phone is locked, type the lock code (see page 62).
- 3) To end the call, press **END**.

Note In no service area, **∅** appears from the screen. When trying voice call in no service area, “**Call not completed. Please try again**” is displayed. It means you are in no service area.

LG-TD5130

Receiving Calls

- 1) When the phone rings or vibrate (if the Vibrate Mode is enabled), press any key (except **END** or **CALL** depending on the Call settings).
 - When you press **END** once within conversation call, the phone stops ringing or vibrating depending on the mode in it. Press **END** twice to disconnect.
- 2) To end an answered call press **END**.

Signal Strength

If you're inside a building, being near a window may give you better reception. The signal bars indicate the signal strength of your phone on your phone's display screen.

About the antenna

Your phone has a built-in antenna. As with any other radio transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than needed.





Not touching the antenna during a call optimizing the antenna performance and the talk-time of your phone. Normal position: Hold the phone as you would any other telephone.

Quick Adjust



Adjusting Vibrate Mode

Use Vibrate Mode in a public place.


- 1) In standby mode, activate Vibrate Mode quickly by pressing the  (for 2 seconds) instead of using the Menu function.
- When Vibrate Mode is set, Key tone does not sound.

Note To cancel Vibrate Mode, press  for 2 seconds.

Select Profiles

- 1) In standby mode, press .
- 2) Select one of four Profiles **Vibrate Only**, **Silent**, **General** and **Outdoor** with .
- 3) Press Soft Key 1 **Select**.

Adjusting Speaker On

- 1) In standby mode, activate Speaker On quickly by pressing the  for 2 seconds.

Note To cancel Speaker On, press  for 2 seconds.

LG-TD5130

Keypad Lock

This function allows you to carry the phone safely without accidentally dialing a number.

When this function is enabled, no call can be made and the access to the Menu will be locked. While the keypad is locked, it is possible to answer a call normally.

To enable the function :

- 1) Press the key **O_{NEXT}** for 2 seconds.

To disable the function :

- 1) Press the key **O_{NEXT}** for 2 seconds.

Call Waiting

Your cellular service may offer a call waiting function. While a call is in progress, you may hear two beeps indicating another incoming call. When call waiting is enabled, you may put the active call on hold while you answer the other incoming call. Check with **your service provider** for information about this function.

- 1) Press **CALL** to receive a waiting call.
- 2) Press **CALL** again to switch between calls.

Mute

The mute function prevents the other party from hearing your voice, but allows you to hear the other party.

- 1) Press Soft Key 1 **Menu** and **2** during a call.
- 2) To cancel Mute, press Soft Key 1 **Menu** and **2** again.

Redialing Calls

- 1) Press **CALL** twice to redial the last number in Call History.
 - You can also dial any of the last 60 numbers stored in the call history list. (See the Call History List on page 43~45)

Speed Dialing

Speed dialing is a convenient feature, which allows you to make phone calls quickly and easily. Your phone recalls the phone number from your personal directory, displays it briefly and then dials it.

Memory locations 1 through 99 should be used for one-touch dialing for your most frequently used phone numbers.

- 1) Enter memory location number 1 to 99.
- 2) Press **CALL**.

Dialing Speed Dials from 10 to 99

Press the first digit and then press and hold the key of the last digit.

OR

Enter the first and second digits and press **CALL**.

Caller ID

Caller ID lets you know who is calling by displaying the number of the person calling when your phone rings. If the caller's name and number are already stored in your phone book, the corresponding name appears with the number.

You should check with **your service provider** to ensure they offer this feature.

Entering Information Using T9 Text Input

You can edit the Banner, Scheduler, Short Message and Phone Book using T9 Text Input.



T9 Text is an easy way to write. In this input method, you only need to press a key once for each letter.



Key Functions


Soft Key 2 : Press to scroll and select a mode through menus.


- You can scroll through the modes using Soft Key 2 in the following order : Abc, T9En, 123, Symbol, Smileys


- Shift Key  : Used to change the letter case.


 ~  (Type Text): In T9 mode, press one key per letter to enter text.

 ~  (Type Numbers): In 123 (Numbers) mode, press once to enter numbers.

 (Next): In T9 mode, press to display other matching words.

 (Punctuation): In T9 mode, press to insert punctuation in a word and complete a sentence.

 (Space): Press to complete a word or insert a space.

 (Clear): Press to delete a single space or character. Press and hold to delete entire words.

Input mode

T9 Text Input provides five modes for entering text, numbers, special characters, and punctuation.

Abc (Multi-tap) Mode

Use ABC mode to add words to the T9 database.

T9En (T9) Mode

Type text using one keystroke per letter.


123 (Numbers) Mode

Type numbers using one keystroke per number.

To change to 123 mode in a text entry field, press Soft Key 2 until 123 mode is displayed.

Symbol/Smileys Mode

Insert special characters, punctuation, or smileys.

You may use any of the special characters. Locate the cursor where you want to put the special character in, switch to Symbol/Smileys mode. If you want to add a smiley, switch to the smileys mode. Press the Navigation Key  to cycle through the desired characters : To select Character, Press the assigned number key.

Initial Cap (T9En/Abc)

Only the first letter is capitalized.

Caps Lock (T9EN/ABC)

All subsequent letters are capitalized.

Lowercase (T9en/abc)

















All subsequent letters are lowercase.

Examples Using T9 Text Input

Typing In T9 Mode


When you want to use **T9 Mode**, check that **T9En** is shown at the bottom of the display. To write the desired word, press each key once for one letter.

For example, to write “**Call the office**”, follow these steps:






1. Press: Soft Key 2  to change letter case to T9En mode.
2. Press:    .
3. Press:  to complete the word and add a space.
4. Press:          .
5. Display: Call the office.

As you can see, the word changes after each key press. Therefore you don't need to pay much attention to what happens on the display before you have keyed in the whole word.

Using the NEXT Key



After you have finished typing a word, if the word displayed is not the word you want, press  to display additional choices.

For example, follow these steps :

1. Press:    .
2. Display: Good
3. Press: .
4. Display: Home, Gone, Hood.....

Adding Words to the T9 Database

If a word is not in the T9 database, add it by using **Abc (Multi-tap) mode** text entry. The word is automatically added to the T9 database when you return to T9 mode. For example, follow these steps:







1. Press: Soft Key 2  to change letter case to Abc (multi-tap) mode.
2. Press: **4** **4** **4** **6** **8**.
3. Display: lmt
4. Press: Soft Key 2  to change letter case to T9 mode and then the word lmt will be added to the T9 database.
5. Press: **CLR** to erase the existing word.
6. Press: **4** **6** **8**.
7. Display: Got
8. Press: **O^{NO}** **O^{NO}**.
9. Display: lmt

LG-TD5130

Examples Using ABC (Multi-tap) Text input

Typing In ABC (Multi-tap) Mode

For example, to type “**LG**”, follow these steps:

1. Press: Soft Key 2  to change letter case to ABC mode.
2. Press:  to change to **ABC** Caps Lock mode.
3. Press:    .
4. Display: **LG**



LG-TD5130

Chapter 3 Phone Book





Phone Book Features

You can store up to 300(4 Numbers + 1 E-mail id + 1 Memo) entries in your phone book with easy access to your most frequently dialled phone numbers.









Personal Phone Book Memory

The phone has 300 personal phone book memory locations where you can store up to 4 phone numbers with 32 digit capacity for each phone number.

Saving Numbers in Your Personal Phone Book


1. Press Soft Key 1 **Menu**.
2. Select **Names**.
3. Select **Add Name**.
4. Enter the phone numbers.
5. Select the label window using .
6. Select your desired label types, such as **Home**, **Office**, **Mobile**, **Other** using .
7. Press Soft Key 1 **Select**.
8. Enter a name for the phone number (up to 16 characters). Press Soft Key 1 **Save**.
9. After selecting **Home/Office/Mobile/Other** using , input phone number with number key.
10. To designate **Speed Dial**, press Soft Key 1 **Options** and select **Speed Dial**. Using number key, input **Speed Dial** or select a desired **Speed Dial** with .


LG-TD5130

- Select **Assign** by pressing Soft Key 1 **Options**.
When select stored speed dial, **Replace** displays.
11. After selecting **E-mail** by pressing , select **Edit** by pressing Soft Key 1 **Options**.
 12. After inputting e-mail address, select **Save** by pressing Soft Key 1 **Options**. Select **Domains** and input e-mail address.
 13. After selecting **No Group** by pressing , select a desired group using .
 14. After selecting **Memo** using , select **Edit** by pressing Soft Key 1 **Options**. After inputting memos, press Soft Key 1 **Save**.
 15. After selecting **Ring Tone** by pressing , select a desired Ring Tones using .
 16. After selecting **Secret off** by pressing , select **Secret off/Secret on** using . When **Secret on** is set, you should input password to check it.
 17. Press Soft Key 1 **Save**.

Find Name



To search for a phone number by name.

1. Press the Soft Key 2  **Find**.
2. Names saved in the **Phone Book** will appear in the order of alphabet regardless of type of character, capital or small.

To view the phone number you want, press Soft Key 1 **Options** and select **View** after scrolling to the phone number you want using .




Find by Number

To find phone numbers you have stored in the Phone Book.

1. Press the Soft Key 2  **Find**.
2. Press the Soft Key 1  **Options** and select **Find Number**.
3. The display prompts you to enter the number on the display screen.




Find Group

To search for a phone number by group.

1. Press the Soft Key 2  **Find**.
2. Press the Soft Key 1  **Options** and select **Find Group**.
3. Select group using .

LG-TD5130

Changing Information Stored in the Phone Book

1. Press the Soft Key 2  **Find**.
2. You may view the phone number saved in the Phone book in the real time by entering the search string.
You may view the **Phone Book** List if you press Soft Key 1 **Options** and select **View** after scrolling to the name you want using  .

To delete or edit the **Entry**, press the Soft Key 1 **Options**.

Select **Edit** after scrolling the data using  .

A submenu will appear on the screen with the options:

Edit : Edits information in that memory location.

Send Message : Send the message.

Send MyContact : Sends information in that memory location.

Erase : Erase all existing information in that memory location.

Making a call from Your Phone Book

Place cursor which you want to make a call from any memory location either by using speed dialing or by entering the phone number and pressing **CALL**.

LG-TD5130

One-Touch Speed Dialing: This feature enables you to store your nine most frequently used numbers in your Speed Dials memory locations (1 through 9)

- ▶ For locations 1 through 9, you can use one-touch dialing by pressing and holding the corresponding key to the memory location to be dialed.

OR

- ▶ Press a digit, then press **CALL**.

Two-Touch Speed Dialing: This feature enables you to dial numbers in your Speed Dials through two keys (for locations 1 to 99.)

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

OR

- 1) Press the first and second digit, then press **CALL**.

Note To use speed dialing, you first need to assign a number from the phone book to a speed dial location.

Dialing from a Memory List

- 1) Select Find, press the scroll keys to go to the memory location you want.
- 2) Press **CALL**.

Dialing from a Memory Location



- ▶ While viewing a memory location, press **CALL** to call.



LG-TD5130

Chapter 4 Menu Features

General Guidelines to Menu Access and Settings

1. Press Soft Key 1 **Menu**. Eight menu items will be appeared on the display screen.
2. Press  to go through the list of menu features.
3. Press the corresponding number to the menu item that you want to select. Then the sub-menu list will be appeared on the screen.
4. Press the appropriate key to select the sub-menu you want to access.
5. Select preferred settings, using the . Press Soft Key 2 **Back** to go one step backward while accessing menu or selecting settings.
6. Press Soft Key 1 **Select** to save the settings or Soft Key 2 **Back** to cancel without saving.









Names (Menu)

Personal Phone Book Memory





The phone has 300 personal phone book memory locations where you can store up to 4 phone numbers with 32 digit capacity for each phone number.

Add Name (Menu)

You can save phone numbers, mobile numbers and so on, up to 300 entries.



1. Press Soft Key 1 **Menu**.
2. Select **Names**.
3. Select **Add Name**.
4. Enter the phone numbers.
5. Select the label window using .
6. Select your desired label types, such as **Home**, **Office**, **Mobile**, **Other** using .
7. Press Soft Key 1 **Select**.
8. Enter a name for the phone number (up to 16 characters). Press Soft Key 1 **Save**.
9. After selecting **Home/Office/Mobile/Other** using , input phone number with number key.
10. To designate **Speed Dial**, press Soft Key 1 **Options** and select **Speed Dial**. Using number key, input **Speed Dial** or select a desired **Speed Dial** with . Select **Assign** by pressing Soft Key 1 **Options**. When select stored speed dial, **Replace** displays.
11. After selecting **E-mail** by pressing , select **Edit** by pressing Soft Key 1 **Options**.
12. After inputting e-mail address, select **Save** by pressing Soft Key 1 **Options**. Select **Domains** and input e-mail address.
13. After selecting **No Group** by pressing , select a desired group using .
14. After selecting **Memo** using , select **Edit** by pressing Soft Key 1 **Options**. After inputting memos, press Soft Key 1 **Save**.


LG-TD5130

15. After selecting **Ring Tone** by pressing , select a desired Ring Tones using .
16. After selecting **Secret off** by pressing , select **Secret off/Secret on** using . When **Secret on** is set, you should input password to check it.
17. Press Soft Key 1 **Save**.

Find (Menu or Soft Key 2 **Find**)




To find phone numbers you have stored in the Phone Book.

1. Press Soft Key 1 **Menu**.
2. Select  **Names**.
3. Select  **Find**.
4. Phone numbers saved in the **Phone Book** will appear in the order of alphabet regardless of type of character, capital or small.

To view the phone number you want, press Soft Key 1 **Options** and select **View** after scrolling to the phone number you want using .

Groups (Menu)

This is a function for changing Group Name and setting Ring tones by Group.

1. Press Soft Key 1 **Menu**.
2. Select  **Names**.
3. Select  **Groups**.
4. Select your desired Group using .

5. Press Soft Key 1 **Options**.

View Members : View the names of members saved in the Group.

Set Ring Tone : Set the Group Ring Tone.

Edit Title : Edit the Group Name.

NOTE The title **No Group** cannot be changed.

Speed Dial (Menu **1** **4**)

Speed Dial allows you to make a call faster by just pressing a corresponding number.

1. Press Soft Key 1 **Menu**.

2. Select **1** **Names**.

3. Select **4** **Speed Dial**.

4. To register, use Soft Key 1 **Options** and select **Assign** to find information you want, then press Soft Key 1 **Options** and select **Assign**.


NOTE To delete, select press Soft Key 1 **Options** and select **Remove** then press Soft Key 1 **Select**. Select **Remove All** to delete all stored speed dials. Select **Replace** to change the number assigned to a particular location. Speed dial is from 01 to 99.

Help (Menu **1** **2**)

You can get more information about this menu.

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Messages (Menu **2** or)

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 **CALL** during a message check.

The phone can store up to 31 messages (1 voice message: 30 text messages) with 160 characters per message.

Users may read and edit messages, saved in the sent during transmission and send them.

However you should check whether your service provider provides the above features.

Character limits: The LG-TD5130 supports up to 160 characters per message. Limits to available byte per message may exist; please check with **your service provider** for system capabilities.

Write (Menu)

Text messages and page messages are all available.

Text messages: Transmits text.





Page messages: Only numbers without text messages.

Press **Send** in **Options** to send the message.

To send a message enter the destination mobile number in the **Send To** screen.

Menu

There are three optional menus of **Send**, **Save** and **Templates**.

1. Press Soft Key 1 **Menu**,  or .
2. Select  **Write**.
3. After entering a message to be sent by selecting **Send**, press Soft Key 1 **Options**.
 - ▶ **Send** Use to send the message.
 - ▶ **Save** Save to Drafts message.
 - ▶ **Templates** Select a Templates message.
4. After entering the phone number where the message is to be sent, enter the next recipients address by pressing . You can add up to 10 recipients. Press Soft Key 1 **Options**.
 - ▶ **Send** Use to send the message.
 - ▶ **Priority** Allows you to give the priority to message. Normal or Urgent.

LG-TD5130

- ▶ **Save Sent Msg** You can save this message in **Outbox**.

NOTE When press **Send**, it goes to callback number input mode. You can type callback number in this mode.

5. If you select **Send**, it notifies you whether the message was sent successfully.







Inbox (Menu)

Received text messages, page messages and lists may be searched, and the contents may be viewed. Received messages are sorted in an order of urgent messages, unread messages and read messages. Up to 30 message can be stored.

When phone receives messages, origination address is displayed in Inbox list.

If callback number is same as phonebook, phonebook entry name is displayed.

To view the list of the received messages.

1. Press Soft Key 1 **Menu**,  or .
2. Select  **Inbox**.
 - ▶ Messages are saved in order of **Unread/Read**. For example, if a NEW message is read it goes into Read messages.
 -  : Unread
 -  : Read
3. After selecting the desired message with ; press Soft Key 1 **Options** and select **View**.
 - ▶ **View** You can read the selected message.
 - ▶ **Erase** Delete the selected message from the Inbox.
 - ▶ **Reply** This function allows you to reply to this message.







LG-TD5130

4. After viewing the message press Soft Key 1 **Options**.
- ▶ **Reply** This function allows you to reply to this message.
 - ▶ **Forward** Forwards a received message to others. After recipients and callback number are entered, the messages can be forwarded.
 - ▶ **MovetoArchive** Moves the selected message from the Inbox to the **Archive**.
 - ▶ **Erase** Deletes the selected message from the Inbox.
 - ▶ **Save Number** Stores the callback number included in the received message into your phone book. When received number information is displayed, the user can store the number in the corresponding number list in the phone book.

Outbox (Menu)

Up to 15 sent messages and 15 unsent messages can be stored in the Outbox.


Users may view lists and contents of sent messages or unsent messages in this menu. To save a message in Outbox "Save Sent Message" should be selected in "Msg Settings"

1. Press Soft Key 1 **Menu**,  or .
2. Select  **Outbox**.
3. Select  **Sent** or  **Unsent**.
4. After selecting the desired message with ; press Soft Key 1 **Options**. If you select the sent message **View/Erase/Forward** appears on the screen.

- ▶ **View** Shows the message currently saved. The view menu has two sub-menus **Forward** and **Erase**.
- ▶ **Erase** Delete a selected message in the Outbox.
- ▶ **Forward** You can modify the message you've got. Then follow the process for **Write** (see page 35).

Voice Mail (Menu **2** **4**)

Allows you to view the new voice messages recorded in the voice mail box. Once you exceed the storage limit, the old messages will be overwritten. When you have a new voice message your phone will alert you.

1. Press Soft Key 1 **Menu**, **2** or .
2. Select **4** **Voice Mail**.
 - ▶ To delete information press Soft Key 1 **Options** and then select **Listen, Erase**.

Archive (Menu **2** **5**)

Archive stores what is preferred to save among messages received(30 messages)

1. Press Soft Key 1 **Menu**, **2** or .
2. Select **5** **Archive**.
3. After selecting the desired message with , press



LG-TD5130

Soft Key 1 **Options**. If you select the message **View/ Erase/Forward** appears on the screen.

- ▶ **View** There are four menus **Forward**, **Reply**, **Erase** and **Save Number**. (“Save Number” is only displayed when callback number does not exist in phonebook.)
- ▶ **Erase** Delete a selected message.
- ▶ **Forward** You can modify the message you’ve got. Then follow the process for **Write** (see page 35).

Drafts (Menu 2 6)



The text message is saved in Drafts. A total of up to 30 messages can be saved in Drafts. When a user is interrupted by a call while composing a message, messages automatically get saved.

1. Press Soft Key 1 **Menu**, **2** or .
2. Select **6** **Drafts**.
3. After selecting the desired message with , press Soft Key 1 **Options**. If you select the message **View/ Erase** appears on the screen.

- ▶ **View** There are four menus **Send**, **Save**, **Templates** and **Erase**.
- ▶ **Erase** Delete a selected message.

Templates (Menu 2nd 7th)

There are 10 predefined phrases included in the Templates. You can add up 20 templates more. A total of 30 templates can be saved.

1. Press Soft Key 1 **Menu**, 2nd or .
2. Select 7th **Templates**.
3. After selecting the desired message with  press Soft Key 1 **Options**. If you select the message **View/Erase/Add** appears on the screen.
 - ▶ **View** There are two menus **Send** and **Save**.
 - ▶ **Erase** Delete a selected template message. (Erase Option is only displayed when Template is added by user.)
 - ▶ **Add** You may add new template message to the Templates list.

Erase Msgs (Menu 2nd 8th)

Text messages and page messages are deleted when you select 8th **Erase Msgs** from the Message Menu screen.

Inbox (Menu 2nd 8th 1st)

Allows you to delete received text messages, page messages.

Outbox (Menu 2nd 8th 2nd)

Allows you to delete all messages saved in the Outbox.

Archive (Menu 2nd 8th 3rd)

Allows you to delete all messages saved in the Archive.

Drafts (Menu 2nd 8th 4th)

LG-TD5130

Allows you to delete all messages saved in the Drafts.

All Messages (Menu **2nd** **8th** **5th**)

Allows you to delete all messages.

Msg Settings (Menu **2nd** **9th**)

Priority, **Save Sent Message** and **Auto Delete Inbox** can be configured for receiving new messages.

Priority (Menu **2nd** **9th** **1st**)

When sending a message, select **Normal** or **Urgent**.

Save Sent Message (Menu **2nd** **9th** **2nd**)

With this feature on, messages are automatically saved in the **Outbox** when transmitted.

Auto Delete Inbox (Menu **2nd** **9th** **3rd**)

With this feature on, old messages are automatically deleted when you exceed storage limit.

Help (Menu **2nd** **0th** **NEXT**)

You can get more information about this menu.

Call History (Menu **☰**)

Allows you to view the 60 most recent phone calls. Once you exceed the (total) 60-number storage limit, the oldest Call History record is overwritten. These calls are divided into 4 types of calls.

NOTE You can view Call History in two ways.

- The **CALL** key in idle mode, up to 60 most recent calls including Missed, Received and Dialed are displayed.
- In Call History menu, total 60 numbers are listed under Missed, Dialed, Received, and In Call Memo.
- Maximum 5 numbers can be saved in In Call Memo.

Making a Call from Call History

1. From the Call History menu, select **Missed, Received, Dialed** or **In Call Memo** and press Soft Key 1 **Select**.
2. Place a call by selecting the desired entry and press **CALL** to connect.

Missed (Menu **☰** **☰**)

Allows you to view list of all Missed Calls.

Maximum 60(Missed + Received + Dialed + In Call Memo) numbers are possible.

1. From the **Call History** menu, select **☰ Missed**.
2. Press Soft Key 1 **Options**. **View/Send Message/Save/Erase** appears on the screen. ("Save" is only displayed when the number is not saved in phone book.)
3. You may place a call by pressing **CALL**.

LG-TD5130

Received (Menu **3** **2**)

Allows you to view list of all Received Calls.

Maximum 60(Missed + Received + Dialed + In Call Memo) numbers are possible.

1. From the **Call History** menu, select **2** **Received**.
2. Press Soft Key 1 **Options.View/Send Message/Save/Erase** appears on the screen. ("Save" is only displayed when the number is not saved in phone book.)
3. You may place a call by pressing **CALL**.

Dialed (Menu **3** **3**)

Allows you to view list of all Dialed Calls.

Maximum 60(Missed + Received + Dialed + In Call Memo) numbers are possible.

1. From the **Call History** menu, select **3** **Dialed**.
2. Press Soft Key 1 **Options. View/Send Message/Save/Erase** appears on the screen. ("Save" is only displayed when the number is not saved in phone book.)
3. You may place a call by pressing **CALL**.

In Call Memo (Menu **3** **4**)

Save the phone numbers taken while talking and can view the list of numbers present in In Call Memo.

Maximum 5 numbers are possible.

1. From the **Call History** menu, select **4** **In Call Memo**.
2. Press Soft Key 1 **Options. View/Send Message/**

LG-TD5130

Save/Erase appears on the screen. (“Save” is only displayed when the number is not saved in phone book.)

3. You may place a call by pressing **CALL**.

Call Duration (Menu **3** **CALL** **3**)

1. Last Dialed Call (Menu **3** **CALL** **1**)

It will store information about the last dialed call and will also display the last dialed number.

2. All Dialed Calls (Menu **3** **CALL** **2**)

Displays total number of dialed calls and total dialed calls duration.

3. All Calls (Menu **3** **CALL** **3**)

Keeps a running count of the time spent making all calls, dialed and received.

4. Reset Call Duration (Menu **3** **CALL** **4**)

To reset the counter, select **Yes** using **↕** and then Soft key 1 **Select**.

Erase History (Menu **3** **CALL** **6**)

1. From the **Call History** menu, select **6** **Erase History**.

2. Select the item which it will erase with **↕**.

3. Press Soft Key 1 **Select**.

4. Select **Yes** using **↕** and then Soft key 1 **Select**.

Help (Menu **3** **CALL** **7**)




You can get more information about this menu.

Profiles (Menu)



Profiles let you set your phone's sound settings to your environment. Each profile contains settings for your phone's Ring Type, Ring Tone, Ringer Volume, Earpiece Volume, Key Volume and Message Alert. Just pick the profile that suits your current environment: **Vibrate Only**, **Silent**, **General** or **Outdoor**.

You can modify the settings in each profile, and (except for the **Vibrate Only** Profile) you can rename them (except for the **Vibrate Only**, **Headset** and **Carkit** Profiles).


Select Profiles

1. Press Soft Key 1 **Menu** and  or quickly press .
2. Select one of four Profiles **Vibrate Only**, **Silent**, **General** and **Outdoor** with .
3. Then press Soft Key 1 **Options** and then select **Set**.

NOTE **Headset** or **Carkit** Profile is automatically set when headset or carkit is installed in the mobile phone.

NOTE In standby mode, press long  to select **Vibrate Only** Profile. Press long  once again to return to the previous Profile.

Rename Profiles

1. Press Soft Key 1 **Menu** and **4**.
2. Select **Silent**, **General** or **Outdoor** by using .
3. Then press Soft Key 1 **Options** and then select **Rename**.
4. Enter a name for the Profiles (up to 13 characters).
5. Then press Soft Key 1 **Save**.

NOTE You cannot rename the **Vibrate Only**, **Headset** and **Carkit** profiles.


Customize Profiles

You can customize any of the Profiles except Vibrate Only.

1. Press Soft Key 1 **Menu** and **4**.
2. Scroll to the profile you wish to customize and press Soft Key 1 **Options** and then select **Edit**.
3. Use the scroll keys to display each of the options in the following table:

Ring Type	Select the ring tone style (Ring, Vibrate, Vibrate & Ring, Ring After Vibrate, Silent, Light).
Ring Tone	Select the ring tone for incoming calls from 19 embedded .
Ringer Volume	Set the volume of your ring tone. - Mute, 1~7 level
Earpiece Volume	Set the volume during a call. - 1~7 level
Key Volume	Set the volume of your keypad tones (or turn them off) - Mute, 1~7 level
Message Alert	Select the tone for received messages (Alert Type, Alert Tone and Message Reminder).

LG-TD5130

- NOTE**
- When **Ring Type** is **Vibrate**, **Silent** and **Light**, **Ringer Volume** can not be adjustable. 'Change Ring type' is displayed. After changing current type to **Ring Type**, adjust **Ringer Volume**.
 - When press Soft Key 1 **Edit** in **Headset** and **Carkit** Profiles, **Auto Answer** is displayed additionally. Select **Off**, **After 5 secs** or **After 10 secs** by using .
 - You cannot customize the **Vibrate Only** Profiles.
 - You are alerted in 3 ways when you received a new message.
By displaying a message on the screen.
By sounding a beep or vibration.
By flashing of Backlight just once.

Help (Menu)

You can get more information about this menu.

Display (Menu **5**)

Lets you personalise your phone's display by selecting different graphics.

Clock (Menu **5** **1**)

Allows you to select a clock on your mobile phone display.

1. From the **Display** menu, select **Clock**.
2. Select **Off**, **Small** or **Big** and press Soft Key 1 **Select**.

Wallpaper (Menu **5** **2**)

Enter the string of characters you want to be displayed. You can set up the screen displayed on the LCD screen in the standby mode.

1. From the **Display** menu, select **Wallpaper**.

1. Theme (Menu **5** **2** **1**)

You can set up the screen displayed on the LCD screen in the standby mode.

- ▶ Used to choose the theme and then press Soft Key 1 **Save**. (Off / Image1~5)

2. Profile (Menu **5** **2** **2**)

Current profile is saved as wallpaper.

- ▶ Select **Show** or **Hide** and press Soft Key 1 **Select**.

3. Banner (Menu **5** **2** **3**)



Enter the string of characters you want to be displayed (up to 13 characters.)

- ▶ Enter a Banner name and then press Soft Key 1 **Save**.

LG-TD5130


Menu Style (Menu

Allows you to select the menu style.

1. From the **Display** menu, select  **Menu Style**.
2. Select **Icon** or **List** with  and then press Soft Key 1 **Select**.



Backlight (Menu

Choose the settings of the LCD and keypad backlight.

1. From the **Display** menu, select  **Backlight**.
2. Choose an options and press Soft Key 1 **Select**.
 - ▶ **For 1 min** Backlight will be On for 1 min, after that goes in dimming for 20 secs and then completely turns off till the user presses any key to make Backlight On.
 - ▶ **For 30 secs** Backlight will be On for 30 secs , after that goes in dimming for 20 secs and then completely turns off till the user presses any key to make Backlight On.
 - ▶ **For 10 secs** Backlight will be On for 10 sec, after that goes in dimming for 20 secs and then completely turns off till the user presses any key to make Backlight On.

Contrast (Menu

Using the Navigation Key, select the contrast setting using the scale of lightest to darkest.

1. From the **Display** menu, select  **Contrast**.
2. Adjust the contrast with .
3. Then press Soft Key 1 **Save** to save the contrast setting.

Help (Menu **5** **6**)

You can get more information about this menu.

Game (Menu **6**)


You can get key information about playing a game if you select **Help** after selecting Cricket game in menu.

Cricket (Menu **6** **1**)

Cricket is a game between two teams of 11 players in which players try to get points by hitting a ball and running between two sets of stumps. You can select country among Australia, Sri Lanka, India and England. Each team has a different ability of batting, pitching and speed.

1. From the **Game** menu, select **1** **Cricket**.

2. Select **New Game** using .

3. To start the game, press Soft Key 1 .

1) Keypad Configuration - Menu Screen

CLR Moves to the Game Selection screen.

END Ends the game.

New Game - Starts a new game

Load Game - Loads the game if saved

Option - Adjust the sound and vibration

Help - Display keypad configuration

Score - Save scores

2) Keypad Configuration - Batting Screen

LG-TD5130

 Choose the Batman's position

 Ball's course

3) Keypad Configuration - Batting Screen

 Pull


 Defend

 Drive

4) Keypad Configuration - Bowling Screen

Choose the ball spin

 Leg Spin

 No Spin

 Off Spin




 Down Spin

Where to bowl

 ~  , 

Game Settings (Menu

You can set sound volume of the game and backlight to on or off. To change your phone's setting when you play the game.

1. From the **Game** menu, select  **Game Settings**.
2. Use to choose the setting between  **Game Volume** and  **Game Backlight**.

Note If backlight is turned on and the phone is kept inactive in the Game menu, battery will drain faster.

Help (Menu

You can get more information about this menu.

Organizer (Menu **7**)

Scheduler (Menu **7** **1**)

Scheduler Functions









Scheduler keeps your agenda convenient and easy to access. Simply store your appointments and your phone alerts you with a reminder of your appointment. You can also take advantage of the **wake-up** feature.

Up to 160, can be saved.

Note While transmitting SMS or during a call, at the preset time, it does not ring. After exiting, it will ring the reminder.

Note Handset time is taken from Network time settings.

How to use various keys for navigation in Calendar

-  Moves cursor to the left.
-  Moves cursor to the right.
-  Moves to the previous week.
-  Moves to the next week.
-  Moves to the previous year.
-  Moves to the next year.
-  Moves to the previous month.
-  Moves to the next month.

Allows you to input your schedule or erase or view. If you input the time and memo, an alarm rings at the set time.

LG-TD5130

1. From the **Organizer** menu, select **Scheduler**.
2. Select the date using your keypad, then press Soft Key 1 **Option** and select **Add Event, View By Day, View All, Go To Date, Go To Today, Erase To Date** or **Erase All**.

To Do (Menu **7** **2**)

Up to 40, can be saved.

1. From the **Organizer** menu, select **To Do**.
2. Press Soft Key 1 **Add** to write a new event.

Note In case there is saved To Do, the function of View, Erase, Erase All, and Add is available with Soft Key 1.

Memo (Menu **7** **3**)

Up to 40, can be saved.

1. From the **Organizer** menu, select **Memo**.
2. Press Soft Key 1 **Add** to write a new memo.
3. After entering characters (For entering characters, refer to pages 20~24) press Soft Key 1 **Save**.

When Memo is not empty

Following Options are available :

View , Erase, Erase All and **Add**.

View : To display selected memo.

View screen gives 2 options **Edit** and **Erase**.

Using **Edit** user can modify an existing memo.

Erase: Enable user to delete a selected memo.




Erase All: Enable user to delete all the stored memo.

Add : Enable user to add Memo

When a memo is saved current date and time is also saved.

Alarm (Menu **7** **4**)

To change an event alarm time.

1. From the **Organizer** menu, select **4** **Alarm**.
2. Select **Alarm1**, **Alarm2** or **Alarm3**.
3. You can change the alarm mode using .
(**Off /Once/Daily/Mon-Fri/Mon-Sat**)
4. Use  to set alarm time, select Ringer and input contents, then press Soft Key 1 **Save**.
 - ▶ am/pm may be selected using .
 - ▶ Ringer volume is controlled according to settings done in Profiles.

Note Alarm is disabled when the mobile is switched off.
Any alarms that have passed the set limits will automatically expire.

How to Set Snooze

Snooze defaults when it is set to alarm.

When no key is input when alarm sounds, Snooze function is set automatically one minute later, and the alarm sounds again five minutes after set alarm time.

Stopwatch (Menu **7** **5**)

Stopwatch is available.

1. From the **Organizer** menu, select **5** **Stopwatch**.

LG-TD5130

Calculator (Menu **7** **6**)

Calculate simple mathematical computations.

(Can get result up to second decimal place.)

1. From the **Organizer** menu, select **6** **Calculator**.
2. Press **2nd** and **5th** in order.
3. Select (multiplication) using **←** keys.
4. Press **1st**, **0^{EXT}** in order.
5. Select using Soft Key 1 **Answer**.

You will see the result of the calculation **250**.

Note Calculations can be made with up to 50 characters at one time (e.g., 73+01-03 would be 8 characters).

World Clock (Menu **7** **7**)

Is useful if you need to make a call to another country, and you are not sure about the time difference.

1. From the **Organizer** menu, select **7** **World Clock**.
2. Select the city you desire by using **↔**.

For faster selection, **↕** can be used to jump 7 cities on the map.

Note With Soft Key 1 **DST**, set the daylight saving time.



Help (Menu **7** **8**)


You can get more information about this menu.



Settings (Menu **8**)

My Menu (Menu **8** **1**)

Lets you access to favorite menu quickly by customising my menu. Max 10 items can be stored in My Menu.

1. From the **Settings** menu, select **1** **My Menu**.
2. Select the menu of your choice by using , then press Soft Key 1 **Select**.
3. Select the Menu to add to **My Menu** with , then press Soft Key 1 **Add**. (Select Soft Key 1 **Options** if sub menu is available, then select **More** and **Add** to add the entire Menu selected to **My Menu**.)

NOTE Select the item of choice with **CLR** +  from the Stand-by screen, then press Soft Key 1 **Options** to select the required menu from My Menu.

NOTE Select the item to delete with **CLR** +  from the Stand-by screen, then press Soft Key 1 **Options** and select **Remove**, select **Yes** with , then press Soft Key 1 **Select** to delete from **My Menu**.

Call (Menu **8** **2**)

1. From the **Settings** menu, select **2** **Call**.
 - 1) **Call Forward** (Menu **8** **2** **1**)
Call forward lets you forward all your incoming calls to another number or Voice Mail connection.
▶ Immediate / When Busy / No Reply/Not Reachable .
 - 2) **Call Waiting** (Menu **8** **2** **2**)
While a call is in progress, you may hear two beeps

LG-TD5130

indicating another incoming call. When call waiting is enabled, you may put the active call on hold while you answer the other incoming call.

- ▶ Select **Enable** or **Disable** and press Soft Key 1 **Select**.

NOTE Contact **your service provider** for more information on Call forward and Call waiting.

3) Any Key Answer (Menu **3** **2** **3**)

When your phone rings, press any key to answer except **END**.

- ▶ Select **On** or **Off** and press Soft Key 1 **Select**.

4) Auto Answer (Menu **3** **2** **4**)

Allows you to select the number of rings before the phone automatically answers a call. This feature is intended for use with hands free devices or speaker.

- ▶ Off / After 5 secs / After 10 secs

5) Auto Redial (Menu **3** **2** **5**)

Set the length of time the phone waits before automatically redialing a number when the attempted call fails.

- ▶ Off / Every 60 secs / Every 30 secs / Every 10 secs

6) Voice Privacy (Menu **3** **2** **6**)

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.

- ▶ Select **Standard** or **Enhanced** and press Soft Key 1 **Select**.

7) **Call Barring** (Menu **8** **2** **7**)

This setting enables/disables the Call Barring for incoming Calls and Outgoing Calls.

Incoming Calls (Menu **8** **2** **7** **1**)

▶ **Off**

▶ **All**: This setting enables the call barring for all incoming calls.

▶ **Roaming**: This setting enables the call barring for all incoming calls in the only roaming status.

Edit Prefixes (Menu **8** **2** **7** **2**)

▶ Enter the prefixes you want to be restricted when you make a call.(up to 5 prefixes and 5 digits per prefix)

Outgoing Calls (Menu **8** **2** **7** **3**)

▶ **Off**

▶ **On**: This setting enables the call barring for outgoing calls When you make a call.

8) **Clear Voice** (Menu **8** **2** **8**)

Enable/Disable the function of Audio AGC(Auto Gain Control) system.

This feature provides a better audio experience by enabling the Audio AGC system to control the dynamic range and volume of the sending and receiving voice across different levels of speaker and environments.

▶ Select **On** or **Off** and press Soft Key 1 **Select**.

9) **Call Timer** (Menu **8** **2** **9**)

You can set your phone to display the running elapsed time while a call is active.

LG-TD5130

- ▶ Select **Enable** or **Disable** and press Soft Key 1 **Select**.

10) Call Connect Alert (Menu **3** **2** **0**^{EXT})

This is a function to alert you that the call connection has been established.

- ▶ Select **On** or **Off** and press Soft Key 1 **Select**.

11) Help (Menu **3** **2** **X**^{HELP})

You can get more information about this menu.

Phone (Menu **3** **3**)

1. From the **Settings** menu, select **3** **Phone**.

1) Key Guard (Menu **3** **3** **1**)

Allows you to protect the keypad of your phone from accidental dialing. When this function is enabled, no call can be made and the access to Menu is locked. When the keypad is locked, it is possible to answer a call and make emergency calls normally.

- ▶ Select **Enable** or **Disable** and press Soft Key 1 **Select**.

To enable quickly : Press the key **0**^{EXT} for 2 seconds.

To disable quickly : Repeat the procedure.

2) Set NAM (Menu **3** **3** **2**)

Select the phone's NAM (Number Assignment Module). This options is presently not available on your service provider's network Use **NAM 1** only.

3) Data Settings (Menu **3** **3** **3**)

Data/Fax (Menu **3** **3** **3** **1**)

LG-TD5130

In **Data/ Fax** setting, you can use your phone as a wireless modem to avail high speed data services such as browsing Internet and other dial-up networking functions. The wireless phone supports a maximum data rate of 153.6 kbps on the network side. The speed of your connection depends upon network congestion, signal strength, and other variables.

- ▶ **Off**
- ▶ **Data in:** This setting enables a subscriber to receive data calls.
- ▶ **Fax in:** This setting enables a subscriber to receive a fax.

Note You need to purchase the Data Kit in order to be able to use the phone as modem. The data kit includes a suitable cable that has RS-232 interface for connecting the phone to the PC. Please contact your service provider for further information.

Data Baud (Menu **3** **3** **2**)

This setting enables the subscriber terminal to set the baud rate.

- ▶ Data Baud set **USB/19,200/115,200/230,400**
By default it is set to USB. If you change this setting on the phone ensure that the PC baud rates are changed to match accordingly.
- ▶ If you use a USB cable instead of a serial cable, then you need to set USB, otherwise set 19,200/115,200/230,400. If one of these options is selected, QNC option is set to off automatically.

LG-TD5130

Note The mobile phone will work with the PC / PDA properly only when the serial port settings on both the PC match with the baud rates set on the phone.

Enable QNC (Menu **3** **3** **3** **3**)

This option enables Quick Net Connect(QNC) mode. If this mode is enabled and you use dial-up data, the phone tries to use circuit-switched data service rather than packet data service. The data speed for QNC is limited up to 19,200. You can disable QNC mode by choosing any option of Data Baud menu.

4) Phone Info (Menu **3** **3** **4**)

View the Phone number, S/W and PRL.

5) Help (Menu **3** **3** **5**)

You can get more information about this menu.

Security (Menu **3** **4**)

1) Lock Mode (Menu **3** **4** **1**)

Keeps your phone from unauthorized use. Once the phone is locked, it is in restricted mode, until the lock code is entered. This will allow you to receive phone calls and still make emergency calls. The lock code/password on your phone is **0000** by default. If you need to modify the lock code, you may modify it using the new lock code within the security set menu.


1. From the **Settings** menu, select **4** **Security**.
2. Press **1** **Lock Mode**.
3. Enter the four-digit Lock Code.

4. Select an options and press Soft Key 1 **Select**.

- ▶ **Off** means that the phone is never locked. When locked, you can receive incoming calls or make only emergency calls.
- ▶ **Now** means that the phone is locked immediately.
- ▶ **On Power Up** means the phone is locked when it is turned on.

2) **Clear All Names** (Menu **8** **4** **2**)

Deletes all information saved in Phone Book. Be careful since any deleted information is not recoverable.

1. From the **Settings** menu, select **4** **Security**.
2. Press **2** **Clear All Names**.
3. Enter the four-digit Lock Code.
4. Using the  then select **Yes**.
5. Press Soft Key 1 **Select**.

3) **Emergency Numbers** (Menu **8** **4** **3**)

You can call these numbers 000, 112, 106 even when the phone is locked or restricted.

To enter 3 emergency numbers.

1. From the **Settings** menu, select **4** **Security**.
2. Press **3** **Emergency Numbers**.
3. Enter the four-digit Lock Code.
4. Press Soft Key 1 **Edit**.
5. Enter an Emergency number.
6. Press Soft Key 1 **Save**.

LG-TD5130


4) Change Lock Code (Menu **3** **4** **4**)

New Lock Code allows you to enter a new four-digit lock code number.

1. From the **Settings** menu, select **4** **Security**.
2. Press **4** **Change Lock Code**.
3. Enter the four-digit Lock Code.
4. Enter the New Lock Code(four-digit).
5. For confirmation, it will ask you to enter the New Lock Code again.

5) Reset Phone (Menu **3** **4** **5**)

You can reset some of the menu settings to their original values. When select Reset phone, all settings become reset except Phone Book.

1. From the **Settings** menu, select **4** **Security**.
2. Press **5** **Reset Phone**.
3. Enter the four-digit Lock Code.
4. Using the  then select **Yes**.
5. Press Soft Key 1 **Select**.

6) Help (Menu **3** **4** **6**)

You can get more information about this menu.




LG-TD5130

Chapter 5 Functions Used During a Call

In Call Memo (During a Call : Menu **1**)


It allows you to note a phone number that the other person provides you during a call. The number will be stored in the Call History.

1. Press the Soft Key 1  during the call.
2. Press **1** **In Call Memo**.
3. Type the phone number and press the Soft Key 1 **Save**.

Mute/Unmute (During a Call : Menu **2**)

This function locks the microphone of your telephone and prevent sounds from your end being heard by the person at the other end.

- **To enable Mute Function:**

1. Press the Soft Key 1  during the call.
2. Press **2** **Mute**.

- **To disable Mute Function:**

1. Repeat the procedure.

Voice Privacy On/Off (During a Call : Menu **3**)

Set the 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.

Send My Number (During a Call : Menu **4**)

Sends your phone number by DTMF tone during voice call is connected.


USED DURING A CALL

LG-TD5130



Long DTMF/Short DTMF (During a Call : Menu)

“Short DTMF” will be displayed when Long DTMF is currently active, and vice versa. Short DTMF plays key tones for 95 milliseconds per key press. Long DTMF mode enables to play tones continuously while a key is being pressed.

Earpiece/Speaker Volume (During a call : Press)

Adjust the Earpiece/Speaker Volume with  during the call.

Adjusting Speaker On (During a Call : Press)

When during a call, active Speaker On press  for 2 seconds. To cancel Speaker On, press  for 2 seconds.



LG-TD5130

Chapter 6 Accessories

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

Handstrap



AC Adapter

This adaptor, model AC-32A, supports AC 240 Volts, 50 Hz outlets.



Cigarette 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-60W.



Hands-Free Car Kit (Portable)

The hands-free car kit, model PHF-60W, enables you to attach the phone to the car providing you with hands-free operation.



Headset

Connects to your phone, allowing hands-free operation. Includes earpiece, microphone, and integrated call answer /termination button.



Serial Data Cable

Connect your phone to your PC's serial port. (LG-DC300DJ)



USB Cable

Connect your phone to your PC's USB port. (LG-USB8100)





LG-TD5130

Chapter 7 Menu Tree

Press Soft Key 1 **Menu**. Press  to scroll.

Names	Call History	Display
<ol style="list-style-type: none"> 1. Add Name 2. Find 3. Groups 4. Speed Dial 5. Help 	<ol style="list-style-type: none"> 1. Missed 2. Received 3. Dialed 4. In Call Memo 5. Call Duration <ul style="list-style-type: none"> • Last Dialed Call • All Dialed Calls • All Calls • Reset Call Duration 6. Erase History <ul style="list-style-type: none"> • Erase Missed • Erase Received • Erase Dialed 7. Help 	<ol style="list-style-type: none"> 1. Clock <ul style="list-style-type: none"> • Off • Small • Big 2. Wallpaper <ul style="list-style-type: none"> • Theme • Profile • Banner 3. Menu Style <ul style="list-style-type: none"> • Icon • List 4. Backlight <ul style="list-style-type: none"> • For 1 min • For 30 secs • For 10 secs 5. Contrast 6. Help
<h3 data-bbox="282 623 401 656">Messages</h3> <ol style="list-style-type: none"> 1. Write 2. Inbox 3. Outbox 4. Voice Mail 5. Archive 6. Drafts 7. Templates 8. Erase Msgs 9. Msg Settings <ul style="list-style-type: none"> • Priority • Save Sent Message • Auto Delete Inbox 0. Help 	<h3 data-bbox="487 953 578 987">Profiles</h3> <ol style="list-style-type: none"> 1. Vibrate Only 2. Silent 3. General 4. Outdoor 5. Headset 6. Carkit 7. Help 	

LG-TD5130

MENU TREE

Press Soft Key 1 **Menu**. Press  to scroll.

Game	Organizer	Settings
1. Cricket	1. Scheduler	1. My Menu
2. Game Settings	2. To Do	2. Call <ul style="list-style-type: none">• Call Forward• Call Waiting• Any Key Answer• Auto Answer• Auto Redial• Voice Privacy• Call Barring• Clear Voice• Call Timer• Call Connect Alert• Help
3. Help	3. Memo	3. Phone <ul style="list-style-type: none">• Key Guard• Set NAM• Data Settings• Phone Info• Help
	4. Alarm	4. Security <ul style="list-style-type: none">• Lock Mode• Clear All Names• Emergency Numbers• Change Lock Code• Reset Phone• Help
	5. Stopwatch	
	6. Calculator	
	7. World Clock	
	8. Help	



LG-TD5130

Chapter 8 Frequently Asked Questions

Frequently asked questions

Q : How do I view the list of Dialed calls,
Received calls and Missed calls?

A : Press **CALL**.

Q : How do I clear Call History ?

A : Press **CALL** → Press Soft Key 1 **Options** →
Select **Erase** or **Erase All** → Press Soft Key
1 **Select** → Select **Yes** → Press Soft Key 1
Select

Q : How do I view all numbers stored in memory?

A : Press Soft Key 2 **Find**.

Q : How many events can I add to the schedule ?

A : Total of 160 events.

Q : How do I clear past schedule stored in
Scheduler?

A : Press Soft Key 1 **Menu** → **7** **Organizer**
→ **1** **Scheduler** → Press Soft Key 1
Option → **6** **Erase To Date** → Select **Yes**
→ Press Soft Key 1 **Select**




Q : How many Speed Dial numbers can I store?

A : Total of 99 numbers.

Q : How do I send a text message ?

A : Press  → **1** **Write**

Q : How do I clear the call timer (reset the time used monthly)?

A : Press Soft Key 1 **Menu** →  **Call History**
→  **Call Duration** →  **Reset Call Duration** → Select **Yes** → Press Soft Key 1 **Select**

Q : How do I find out my lock code ?




A : The Lock Code/Password on your phone is **0000** by default.

Q : How many groups are there ?

A : In Groups, there are No Group/Family/Relatives/Friends/Business/Colleagues/School/Club/VIP.

You can edit Group title except the title of **No Group** cannot be edited.

To change Group Name,

1. Select group by pressing Soft Key 1 **Menu** →  **Names** →  **Groups** and .
2. After pressing Soft Key 1 **Options**, select **Edit Title**.

Q : Is Group SMS possible ?

A : You can send a message to 10 numbers simultaneously. Each number should be selected or entered individually.

LG-TD5130

Before calling for service

Please check to see if any problem which you may have with your phone is described here before taking it for service or calling a service engineer.

When showing symptoms like:	Check this!
When “ ” does not disappear from the screen.	Check whether it is service area, and if you continue to see “ ” please turn off the power and wait for approximately 2 minutes to turn it back on. If there is no change, check again after relocating to other areas.
When connection is abrupt or is not audible in certain areas.	When frequency environment is unstable in a certain area, connection may be abrupt and not audible. Relocate to other areas and try again.
When connection is not made well or abrupt even when established.	When frequency is unstable or weak, or if there are too many users, connection may be cut off even after it was established. Please try again a little later or try after relocating to other areas.
When LCD does not turn on.	Remove battery and turn on the power after placing it back on. If there is no change even then, sufficiently charge the battery and try again.
When it echoes while connection is made with a certain telephone in a certain area.	Called "Echo Phenomenon," it occurs if connection volume is too high or caused by special properties(semielectronic telephone exchange) of the machine on the other end.

When showing symptoms like:	Check this!
When the phone is heated.	If connection is made for a significantly long duration, or game and Internet and others are used for a long time, the phone may become hot. This has no effect upon the life of the product or performance.
When the Ringer does not ring, or when Backlight or LCD blinks only.	Ringer Type may be set as "Silent" or "Light". Please select "Ring".
Standby duration for battery gradually becomes shorter.	Because battery wear out, its life gradually becomes shorter. If its life becomes shorter over half of that at the time of purchase, you must purchase a new one.
When usage time of battery becomes shorter	If time for use of battery is short, it may be due to the user environment, or large volume of calls, or weak signals.



LG-TD5130

Chapter 9 Safety Guidelines

TIA Safety Information

Provided herein is the complete TIA Safety Information for Wireless Handheld phones. Inclusion of the text covering Pacemakers, Hearing Aids, and Other Medical Devices is required in the owner's manual for CTIA Certification. Use of the remaining TIA language is encouraged when appropriate.

Exposure to Radio Frequency Signal

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

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

ANSI C95.1 (1992) *

NCRP Report 86 (1986)

ICNIRP (1996)

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

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

Antenna Care

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

Phone Operation

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

Tips on Efficient Operation:

- For your phone to operate most efficiently:
Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.
- American National Standards Institute; National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection

Driving

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

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

Electronic Devices

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

Pacemakers

The Health Industry Manufacturers Association recom-

LG-TD5130

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

Persons with pacemakers:

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

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult the LG Authorised Service Center to discuss alternatives Optional for each phone manufacturer.

Other Medical Devices

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

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

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle.

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

Posted Facilities

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

Aircraft

FCC regulations prohibit using your phone while in the air. Switch OFF your phone before boarding an aircraft.

Blasting Areas

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

Potentially Explosive Atmosphere

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

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

LG-TD5130

For Vehicles Equipped with an Air Bag

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

FDA *FDA Consumer Update*

The U.S. Food and Drug Administration's Center for Devices and Radiological Health Consumer Update on Mobile Phones.

1. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

2. What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radia-

LG-TD5130

tion-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Occupational Safety and Health Administration

LG-TD5130

- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

3. What kinds of phones are the subject of this update?

The term “wireless phone” refers here to hand-held wireless phones with built-in antennas, often called “cell”, “mobile”, or “PCS” phones. These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the user’s head.

These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is locat-

ed at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

4. What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain

LG-TD5130

or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

5. What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop — if they do — may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

6. What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the

LG-TD5130

world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

7. How can I find out how much radiofrequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radiofrequency energy (RF) exposures. FCC established these guidelines in consultation with FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless telephones is

SAFETY GUIDELINES

LG-TD5130

set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects. Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (<http://www.fcc.gov/oet/rfsafety>) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

8. What has FDA done to measure the radiofrequency energy coming from wireless phones ?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radiofrequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists anring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

9. What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

10. What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

LG-TD5130

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

11. What about wireless phone interference with medical equipment?

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a "compatible" phone and a "com-

patible" hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

12. Where can I find additional information?

For additional information, please refer to the following resources:

- FDA web page on wireless phones
(<http://www.fda.gov/cellphones>)
- Federal Communications Commission(FCC)RF Safety Program
(<http://www.fcc.gov/oet/rfsafety>)
- International Commission on Non-Ionizing Radiation Protection
(<http://www.icnirp.de>)
- World Health Organization(WHO) International EMF Project
(<http://www.who.int/emf>)
- National Radiological Protection Board(UK)
(<http://www.nrp.org.uk>)

LG-TD5130

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 1.6W/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

LG-TD5130

SAR value for this model phone when tested for use at the ear is 0.591 W/kg and when worn on the body, as described in this user guide, is 0.335 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 BEJRD5130.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) website at <http://www.wow-com.com>.

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

MANUFACTURER'S WARRANTY

1. WHAT THIS WARRANTY COVERS:

LG offers you a warranty that the enclosed Product and its enclosed accessories will be free from defects in material and workmanship according to the following terms and conditions:

- (1) The warranty for the Product is for ONE (1) year beginning on the date of purchase of the Product.
- (2) The warranty extends only to the original consumer purchaser of the Product ("Customer") and is not assignable or transferable to any subsequent customer. LG offers a warranty for genuine LG battery packs, extending SIX (6) months from the date of purchase.
- (3) This warranty is good only to the Customer during the warranty period as long as it is in AUSTRALIA.
- (4) During the warranty period, any defective LG Product or part will be repaired or replaced by LG or its authorised service centre, at LG's option, with new or factory rebuilt replacement items. LG or the authorised service centre will return the Product to the Customer in working condition. No charge for either parts or labour in repair or replacement of the Product will be incurred by the Customer. If parts, boards or equipment are replaced, they shall become the property of LG.
- (5) Upon request from LG, the Customer must provide LG with proof of the date of purchase.
- (6) The Customer will bear the cost of transporting, delivering and handling the Product to and from LG or its authorised service centre.
- (7) The benefits available from this warranty are in addition to all applicable statutory rights.

2. WHAT THIS WARRANTY DOES NOT COVER:

- (1) Defects or damage resulting from use of the Product in other than its normal and customary manner.
- (2) Defects or damage from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorised modifications, unauthorised connections, unauthorised repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of LG, including damage caused by shipping, blown fuses, spills of food or liquid.
- (3) Breakage or damage to antennas, unless caused directly by defects in material or workmanship.
- (4) If the Customer does not notify LG of the alleged defect or malfunction of the

LG-TD5130

Product during the applicable warranty period, the Customer shall have no coverage or benefits under this warranty.

- (5) Products which have had the serial number removed or made illegible.
- (6) If the battery short circuits or the seals of the battery are broken or show evidence of tampering, or the battery was used in equipment in a manner other than that which has been specified, the Customer shall have no coverage or benefits under this warranty.
- (7) Damage resulting from use of non-LG approved accessories.
- (8) All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal use.
- (9) Products operated outside published maximum ratings.
- (10) Products used or obtained in a rental program.
- (11) Consumables (such as fuses.)
- (12) Defects or damage resulting from breakage of or tampering with the LCD screen.
- (13) Where applicable, Products that have been subject to an unauthorised removal or deactivation of the network operator lock function.

3. STATEMENT

Except for those terms that cannot by law be excluded, all terms other than those expressly contained in this warranty statement are excluded. To the extent permitted by law, LG excludes all liability (whether in contract, tort or otherwise) for any consequential, special, incidental or indirect loss or damage including loss of profit, loss or impairment of privacy of conversations, work stoppage or loss or impairment of data arising out of the use or inability to use the Product.

4. HOW TO GET WARRANTY SERVICE:

To obtain information regarding warranty service, please call the following telephone number from anywhere in AUSTRALIA:

LG Electronics Australia Pty Ltd
2 Wonderland Drive
Eastern Creek NSW 2766
PO Box 212
HORSLEY PARK NSW 2175
Tel: 1800-638-080 Fax: 02-8805-4201

 **LG Electronics Australia Pty Ltd.**

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