



TD7130

LG-TD7130



TD7130



TD7130

User Guide

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LIMITED WARRANTY STATEMENT

1. WHAT THIS WARRANTY COVERS:

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

- (1) The limited warranty for the product extends for ONE (1) year beginning on the date of purchase of the product.
- (2) The limited warranty extends only to the original purchaser of the product and is not assignable or transferable to any subsequent purchaser/end user.
- (3) This warranty is good only to the original purchaser of the product during the warranty period as long as it is in Australia, including Australian Territories.
- (4) The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.
- (5) Upon request from LG, the consumer must provide information to reasonably prove the date of purchase.
- (6) The customer shall bear the cost of shipping the product to the Customer Service Department of LG. LG shall bear the cost of shipping the product back to the consumer after the completion of service under this limited warranty.

2. WHAT THIS WARRANTY DOES NOT COVER:

- (1) Defects or damages resulting from use of the product in other than its normal and customary manner.
- (2) Defects or damages from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized 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) That the Customer Service Department at LG was not notified by consumer of the alleged defect or malfunction of the product during the applicable limited warranty period.
- (5) Products which have had the serial number removed or made illegible.
- (6) This limited warranty is in lieu of all other warranties, express or implied either in fact or by operations of law, statutory or otherwise, including, but not limited to any implied warranty of marketability or fitness for a particular use.

- (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 customer use.
- (9) Products operated outside published maximum ratings.
- (10) Products used or obtained in a rental program.
- (11) Consumables (such as fuses).

3. STATE LAW RIGHTS:

No other express warranty is applicable to this product. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. LG ELECTRONICS INC. SHALL NOT BE LIABLE FOR THE LOSS OF THE USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF, OR INABILITY TO USE, THIS PRODUCT OR FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY APPLICABLE TO THIS PRODUCT.

Some states do not allow the exclusive of limitation of incidental or consequential damages or limitations on how long an implied warranty lasts; so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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
23 Pike Street
Rydalmere NSW 2116
Locked Bag 9

Rydalmere Business Centre 1701
Tel. 1800-638-080 Fax. 02-9684-5533

DO NOT RETURN YOUR PRODUCT TO THE ABOVE ADDRESS.

If you have any questions regarding repairs to your LG phone, please call our authorised service centre nearest you and for the procedures for obtaining warranty claims.

Tel. 1800-898-898



LG Electronics Australia Pty Ltd.

Introduction

Congratulations on your purchase of the LG-TD7130 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, backlight LCD with status icons.
- Paging, Messaging, Voice mail, and Caller ID.
- 24-key keypad.
- Long battery stand-by and talk time.
- Choice of 50 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.
- Attachable camera to take photos.

Important Information

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

Check Accessories

Your mobile phone comes with the following accessories. A one-slot desktop charger, Adaptor, two rechargeable batteries, USB data cable, Camera, Hand-strap, Sync CD and Quick Reference Guide. Please verify your accessories are included.

Before You Start

Safety Instruction

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 desktop 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 desktop chargers for any purpose 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. 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 90) before using your phone.

Safety Information

Please read and observe the following information for the safe and proper use of your phone and to prevent any unanticipated damage by accident. Also, keep the user's manual in an accessible place all the times after reading it.

- Unplug the power cord and charger during a lightning storm to avoid electric shock or fire.
- Do not use your phone in high explosive areas as the phone may generate sparks.
- Do not put your phone in a place subject to excessive dust, and keep the minimum required distance between the power cord and heat sources.
- Unplug the power cord prior to cleaning your phone, and clean the power plug pin when it is dirty.
- Do not damage the power cord by bending, twisting, pulling, or heating. Do not use the plug if it is loose as it may cause fire or electric shock.
- Firmly plug the power cord and unplug the power cord when you complete using. Ensure the plug is firmly connected. If it is not, it may cause excessive heat or fire.
- Do not place any heavy item on the power cord. Do not allow the power cord to be crimped as it may cause fire or electric shock.
- Do not expose the phone to sharp articles such as nails or animal's teeth.
- Do not disassemble, or impact the phone, or place or answer calls while charging the phone as it may cause electric shock and fire.

- Do not short-circuit the battery contacts. A short circuit can occur when a metallic object such as a coin, clip or pen contacts the metal terminals of the battery. A short circuit of the terminals may damage the battery, the phone, the object causing the short circuit and may result in heat, fire, or catastrophic failure such as an explosion.
- Always replace the rubber cap on the receptacle located at the base of your phone when the receptacle does not need to be accessed. Short-circuit may be caused by the contact with the metallic articles such as a coin and clip or pen and may result in heat, fire, or catastrophic failure such as an explosion.
- Do not disassemble or impact to the battery as it may cause electric shock, short-circuit, and fire. Store the battery in a place out of reach of children.
- Using a damaged battery or placing a battery in your mouth may cause serious injury.
- Do not place items containing magnetic components such as a credit card, phone card, bank book and a subway ticket, near your phone. The magnetism of the phone may damage the data stored in the magnetic strip.
- Do not hold or let the antenna come in contact with your body during a call.
- Talking on your phone for a long period of time may reduce the call quality due to heat generated during the use.
- When you do not use the phone for a long period time, store it in a safe area with the power cord unplugged.



FCC RF Exposure Information

WARNING! Read this information before operating the phone.

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

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

⚠ CAUTION

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

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

Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 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.

Whether extended or retracted. 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:60°C (140°F)
- 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.

Adaptor (CHARGER) Cautions

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

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

Chapter 1 Getting Started

Cautions









- Only use the batteries, antennas, 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 Centre 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 Centre.
 - Avoid shock or impact on the cellular phone.











Phone Components

The following shows key components of your mobile phone.



Phone Overview

Exterior LCD	When there are incoming calls and messages, the LCD flashes.
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>Perform variety of functions according to the menu.</p> <p>Soft Key 2 </p> <p>Perform variety of functions according to the viewing function.</p>
SEND 	Allows user to place or answer calls.
END/PWR 	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 Keys	<p> : Press to check the Text, Voice messages, Voice Rec. and Today's schedule.</p> <p> : Press to view Melodies, Sound. Press and hold to activate/deactivate the automatic answer mode.</p> <p> : Press to check the received/sent messages, or to write the new message.</p> <p> : Press to take a Photo. Press and hold to activate/deactivate the driving mode.</p>

CLEAR Key 	When writing a message, press to delete a single space or character or press and hold to delete entire words.
Headset Jack or Camera Jack	Used to attach a camera(or headset).
Lock Mode Key Space (in T9) 	In standby mode, set the lock function by pressing and holding the  key about 3 seconds.
Silent Mode Key Shift/Caps Lock (in T9) 	In standby mode, set the Silent mode by pressing and holding the  key about 3 seconds.
Side Keys Next/Prev (in T9) 	Used to adjust the volume during a call. Functions same as  key when selecting menus. In Standby mode: When the folder is closed, the current time is displayed ; press once to stop moving and press twice to display today's date. When the folder is open; adjust the key volume.
Schedule 	Press to check today's schedule.
My Menu 	Press to select My Menu.
OK 	This is the main menu to use BREW, UP Browser or MMS.

On-screen Icons

The phone screen displays several on-screen 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.
	1x circuit - in use
	1x packet - in use
	1x packet - in dormant
	Digital circuit - in use
	1x service is available.
	Digital service is available.
	In Vibrator or Vib+Ring or Vib->Ring Mode.
	The Silent Mode is activated.
	When the ringer type is 'Lamp+Mute' or when the ringer volume is 'Off'.
	In Wake-up Call Mode (Alarm clock is set).
	Roaming. The phone is outside of the home service area.
	Text & Voice Msg
	Only Text Msg
	Only Voice Msg
	MMS Msg (BREW)
	Driving Mode is selected.
	Automatic answering mode is selected.
	Shows your current battery charge strength. (Icon shown fully charged)
	(Icon shown charging)

Using the Battery Pack

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

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

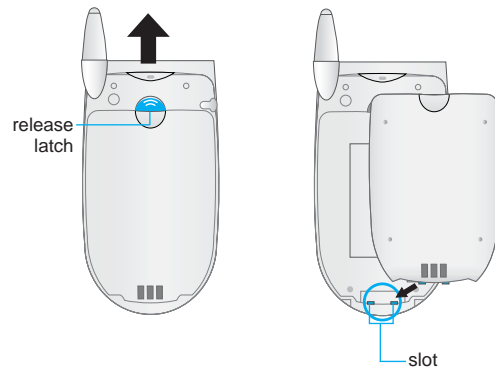
Installing the Battery

To install the battery, insert the bottom of the battery into the opening on the back of the phone. Then, push the battery down until the latch clicks.

Removing the Battery

Turn the power off. (If power is on, a loss of stored numbers and messages may occur.)

Push the latch upwards to detach the battery.



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 **Recharge battery**. If the battery charge level becomes exceedingly low, the phone will automatically switch off and any function in progress will not be saved.

Using the Desktop Charger

The desktop holder has a slot to accommodate the phone with the battery for charging. Warning! Use only the Desktop charger provided with the phone. Using an unauthorized charger may cause damage to your phone or battery.

- 1) Plug the charger into a wall outlet.
 - ▶ The phone must be charged from a 240Vac. power source only.
- 2) Insert the phone with an installed battery or a battery into the slot of the charger.
 - ▶ Red light indicates the battery is being charged.
 - ▶ Green light indicates the battery is fully charged.

Charge time will vary depending upon battery level. Maximum charge time for a fully discharged battery will not exceed 3 hours.

Caring for the Battery

- 1) If you use unauthorized battery, it may cause damage to or explosion of the battery. Therefore, please do not use 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.



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.
- 2) Hold down the Key **END PWR** 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.

Turning the Phone Off

- 1) Press and hold **END PWR** until display screen turns off, then release the key.

Signal Strength

The quality of a call depends on the strength of the signal supplied by the operator. The phone shows its signal strength through bars, located at the left top of the screen. If there are more bars (a maximum of six), the phone holds more signal strength. If the signal strength is not satisfactory, try to change the position of the phone. If you are in a building, try to be near to a window, where the reception of the signal may be better. In some places such as : tunnels, elevators, basements and garages, there may be limitation of the signal supplied by the operator.

Power Save Mode

When the phone is in an area without service for about 10 minutes, it stops searching for service and enters into the Power Save Mode. When your phone activates this feature, Power Save is displayed on your screen. The phone automatically checks for service periodically or you can check manually by pressing any key.

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 PWR** for 2 seconds.
- 2) Type the phone number and then press **SEND**.
 - If the phone is locked, type the lock code. The lock code is '0000' by default.
- 3) To end the call press **END PWR**.


Correcting Dial Errors


If you typed a wrong number, press the Key **CLR** once to delete the lastly typed digit, or Hold down the Key **CLR** for 2 seconds to delete all the typed digits at the same time.

Receiving Calls

- 1) When the phone rings or vibrates (If the Silent Mode is activated or Ringer Type is Vibrator.) open the folder or if the folder is open, press any key (except ) to answer.
 - If you press  once when you receive a call, the phone stops ringing or vibrating and the call remains unanswered. Press  twice to disconnect.
- 2) To end an answered call press .

My Menu

This is a function enabling registration only for My Menu. Press Soft Key 1 **MENU** and select from the menu by pressing  or corresponding numbers.






- 1) Press .
- 2) Select **Yes** or **No** by using , then press .

Adjusting the Volume

The volume keys on the left side (Side Keys) of the phone can be used to adjust the earpiece, ring volume, and key volumes. The upper key is used to increase and the lower key is used to decrease the volume.

- You may adjust the earpiece volume during a call.
- The key volume is adjusted through side key only.
- The ring volume can be adjusted through the Menu feature.


Ring Volume


- 1) Press Soft Key 1 **MENU**.
- 2) Press  three times.
- 3) Press .
- 4) Press  **Ring Volume**.
- 5) Adjust the volume of the ringer with .
- 6) Then press  to save the ringer volume.

Quick Settings

Activating the Silent Mode

Use Silent Mode in a public place.

- 1) In standby mode, activate Silent Mode quickly by pressing  (for 3 seconds) instead of using the Menu function.
 - When Silent Mode is set, key tone and ring do not sound.


NOTE To cancel Silent Mode, press  again until **Deactivating silent mode** is displayed.

NOTE Selecting Silent Mode will allow you to maintain your phone under Silent Mode even when you turn it off and turn it back on.

Activating the Lock Mode

Use to prevent other people from using your phone without your permission.

There are two ways to activate the Lock Mode - with one key and by using the Menu.




1) In standby mode, to activate the lock mode quickly, press  (for 3 seconds).

NOTE To cancel the Lock Mode, Press Soft Key 2 **UNLCK**, then enter your password (4 digits). Default value is '0000'.

To Make Emergency Call during Lock State

This is the function that enables emergency call even when the mobile phone is locked.



1. Press Soft Key 1 **SOS**.

2. Select desired number with  and press  or .

• You can make call by entering emergency number directly while on Standby Mode.



Call Waiting

Your cellular service provider 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 **Telstra** for information about this function.


- 1) Press  to receive a waiting call.
- 2) Press  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  during a call.
- 2) To cancel Mute, press Soft Key 1 **MENU** and  again.

Redialing Calls



1) Press  to redial the last dialed number(s) in Call History.

- You can also dial any of the last 60 Missed/Received/Memo/Dialed numbers stored in the Call History list.

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.


To use **Speed Dial** register a phone number first.

- 1) Enter memory location number 1 to 99.
- 2) Press .
- 3) To end the call, Press .

One-Touch Speed Dialing: This feature enables you to store your nine most frequently used numbers in your phone book in 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 .

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

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

or

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

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.


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 : Press to scroll and select a mode through menus.


- You can scroll through the modes using Soft Key 1: Abc, 123, SYM, T9En
- Shift/CapsLock 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 next/previous matching words.

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

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

Input mode

Text Input provides three modes for entering text, numbers, special characters including punctuation.

T9En (T9) Mode

Type text using one keystroke per letter.


Abc (Multi-tap) Mode

Use Abc mode to add words to the T9 database.

123 (Numbers) Mode

Type numbers using one keystroke per number.
To change to 123 mode in a text entry field, press Soft Key 1 until 123 mode is displayed.

SYM (Symbols) Mode

Insert special characters and punctuation.
You may use any of the special characters. When the cursor is located where you want the special character, switch to SYM mode. Press the Navigation Key  to cycle through and select the desired characters.


Changing Letter Case

There are three options for selecting letter cases:

T9En/Abc (Initial Cap)

Only the first letter is capitalized.

T9EN/ABC (Caps Lock)

Press  to change letter case to Caps Lock.
All subsequent letters are capitalized.

T9en/abc (Lowercase)



















Press  again to change letter case to 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 1  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 side key

If you fail to find the desired word in T9 mode at once, you can find it by the prev/next word using the side key. Nevertheless if you can't find the desired word, add the word to 'My Word'. See p.33, 'Add My Word'.

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

To Use Tone Dialing

Use when you need to continue pressing on the next number according to voice instruction.

1. Input the number that you wish to call.
2. Press .
3. Enter subsequent number after selecting desired category with .



4. Save by pressing .

- Hard Pause(P): Subsequent number dials when you press  after the call is made.
- Time Pause(T): Subsequent number dials two seconds after call is made.

To Check Pop Up Message Screen


This is the function that facilitates checking Text Msg, Voice Msg, Voice Rec. and Today's schedule.

Pop Up message screen appears automatically when there is message that is not yet checked when the folder is opened.

1. Press .
2. Select desired category with .
 - ▶ Text Msg/Voice Msg/Voice Rec./Today

Add My Word




This is the function that registers frequently used words on the UDB.

1. **ADD** appears on the Press Soft Key 2 location when the word that does not exist in the UDB is input into T9 mode while on the Edit screen.
2. Moves to Add My Word screen when you press **ADD**.
3. Press  after entering the word that you wished to input.



Chapter 3 Menu Features

General Guidelines to MENU Access and Settings

1. Press Soft Key 1 **MENU**. Ten menu items will appear on the display screen.
2. Press  to go through the list of menu features.
3. Press the appropriate number key corresponding to the menu item that you want to select. The sub-menu list will then appear on the screen.
4. Press the appropriate number key corresponding to the sub-menu you want to access.
5. Use  to select your preferred setting. Press **CLR** to go back one step while accessing the menu or selecting a setting.
6. Press  to save the settings or press **CLR** to cancel without saving.

Phone Book (Menu **1**)

Personal Phone Book Memory

The phone has 1000 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

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

1. Input the phone number that you want to save (up to 32 digits).
2. Press **OK** **SAVE**.
3. Select Type on the sub-menu using **←** and press **OK** **SEL**.
4. Enter a name for the phone number (up to 16 characters).

New Entry (Menu **1** **1**)

1. Press Soft Key 1 **MENU**.
2. Press the key **1** **Phone Book**.
3. Press the key **1** **New Entry**.
4. Enter name and press **↓** to add **Group, Memo, E-Mail, Mobile, Home, Office, Etc., Secret, Character, Voice**.
5. Enter the phone number, then press **OK** **SAVE**.
***#** and **##** is not allowed, but if you want to insert those characters, please use “ Saving Numbers in Your Personal Phone Book”.

Speed Dial (Menu **1** **2**)

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

1. Press Soft Key 1 **MENU**.
2. Press the key **1** **Phone Book**.
3. Press the key **2** **Speed Dial**.
4. To register, use Soft Key 2 **REG** to find information you want, then press **OK** **REG**.

NOTE To delete, select Press Soft Key 1 **DEL** , then press **OK** **Yes**.



Find Entries (Menu **1** **3**)

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

1. Press Soft Key 1 **MENU**.
2. Press the key **1** **Phone Book**.
3. Press the key **3** **Find Entries**.
4. The display prompts you to enter the entry name on the display screen. You can select **By Number** or **By Group** by using **←**.
5. If you press Soft Key 2 **FIND** without entering an entry, you will view a list of all entries in your phone book.

NOTE At any entry, you may move to another entry by pressing the **↑**. If you press Soft Key 2 **EDIT** or Soft Key 1 **DEL** you can save or erase or edit.



Call Duration (Menu **1** **4**)

1. Press Soft Key 1 **MENU**.
2. Press **1** **Phone Book**.
3. Press **4** **Call Duration**.
4. Select the item of choice with , then press .



▶ **Last call/All calls/Dialed calls**

NOTE Press Soft Key 1 **DEL** to delete “All calls/Dialed calls” after entering the password.

Clear History (Menu **1** **7**)



1. Press Soft Key 1 **MENU**.
2. Press **1** **Phone Book**.
3. Press **7** **Clear History**.
4. Enter the four-digit Lock code. (Default value is '0000')
5. Select **Yes** or **No** by using , then press .

Area Code (Menu **1** **6**)



1. Press Soft Key 1 **MENU**.
2. Press **1** **Phone Book**.
3. Press **6** **Area Code**.
4. Select the item of choice with , then press .

Clear Entries (Menu **1** **7**)

To erase all the entries stored in the Phone Book

1. Press Soft Key 1 **MENU**.
2. Press the key **1** **Phone Book**.
3. Press the key **7** **Clear Entries**.
4. Enter the four-digit Lock code. (Default value is '0000')
5. Select **Yes** or **No** by using , then press .

Sounds (Menu **2**)

1. Press Soft Key 1 **MENU**.
2. Press **2** **Sounds**.
3. Select melody you desire by using , then press .
 - ▶ **Party Party(10)/Original(8)/Global Voices(8)/Morning Dew(6)/Enjoy Today!(10)/Fantasy Trip(8)**



Melody Box (Menu **7**)

1. Press Soft Key 1 **MENU**.
2. Press **7** **Melody Box**.
 - ▶ **Music Bell**

Volume/Effect (Menu 4)



Ring/Vibrate (Menu 4 1)

To select a Ringer Type.

1. Press Soft Key 1 **MENU**.
2. Press **4** **Vol/Effect**.
3. Press **1** **Ring/Vibrate**.
4. Select one of six ringer types **Ringer Sound**, **Crescendo**, **Vibrator**, **Vib+Ring**, **Vib->Ring** and **Lamp +Mute** with .
5. Then press  to save the ringer type.

Ring Volume (Menu 4 2)



To select a Ringer Volume.

1. Press Soft Key 1 **MENU**.
2. Press **4** **Vol/Effect**.
3. Press **2** **Ring Volume**.
4. Adjust the volume of the ringer with .
5. Then press  to save the ringer volume.

NOTE The ringer volume will be increased to the designated level with the folder closed, and the ringer volume will be gradually decreased from the maximum level to the minimum one.



Key Tone (Menu 4 3)

To select a Key Tone.

1. Press Soft Key 1 **MENU**.
2. Press **4** **Vol/Effect**.
3. Press **3** **Key Tone**.
4. Select one of five key tones **Default**, **Xylophone**, **Drop**, **Puppy** and **Voice** with .
5. Then press  to save the key tone.



Connect Alert (Menu 4 4)

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



1. Press Soft Key 1 **MENU**.
2. Press **4** **Vol/Effect**.
3. Press **4** **Connect Alert**.
4. Select **Deactivate/Activate** by using , then press  to save.

Service Alert (Menu **4** **5**)

This is a function to alert you when service changes.




1. Press Soft Key 1 **MENU**.
2. Press **4** **Vol/Effect**.
3. Press **5** **Service Alert**.
4. Select **Deactivate/Activate** by using , then press  to save.

1 Min Alert (Menu **4** **6**)

1. Press Soft Key 1 **MENU**.
2. Press **4** **Vol/Effect**.
3. Press **6** **1 Min Alert**.
4. Select **Deactivate/Activate** by using , then press .





Display (Menu **5**)**Display Theme** (Menu **5** **1**)

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

1. Press Soft Key 1 **MENU**.
2. Press **5** **Display**.
3. Press **1** **Display Theme**.
4. Select the item of your choice by using .
 - ▶ Power-On/Power-Off/Outgoing call/Incoming call/Idle screen/Default
5. Select the picture of your choice by using , then press  **SEL** to save the display theme.



Banner (Menu **5** **2**)

Enter the string of characters you want to be displayed.

1. Press Soft Key 1 **MENU**.
2. Press **5** **Display**.
3. Press **2** **Banner**.
4. Select the item of your choice by using , then select **Align/Font/Color/Bgcolor** for the letters you entered by using .
5. After selecting **Enter Text** with , enter characters
6. Press .



Dial Number (Menu **7** **7**)

This function allows you to set the size of the numbers displayed in the screen while making an outgoing call.

1. Press Soft Key 1 **MENU**.
2. Press **7** **Display**.
3. Press **7** **Dial Number**.
4. Select the **Big/Small** of choice and the item of choice with , then press .



Select Clock (Menu **7** **4**)

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

1. Press Soft Key 1 **MENU**.
2. Press **7** **Display**.
3. Press **4** **Select Clock**.
4. Select the item of your choice by using , then press .




- ▶ **Deactivate/Analog1~3/Digital/Theme+Digital/Analog+Digital**

Menu Theme (Menu **7** **7**)

1. Press Soft Key 1 **MENU**.
2. Press **7** **Display**.
3. Press **7** **Menu Theme**.
4. Select the item of your choice by using , then press .
 - ▶ **Green/Blue/Pink**

Group Display (Menu **7** **6**)

Allows you to select pattern by group and verify on LCD for an incoming call.

1. Press Soft Key 1 **MENU**.
2. Press **7** **Display**.
3. Press **6** **Group Display**.
4. Select the group by using .
 - ▶ **No group / Family / Relatives / Friend / Colleague / School / Senior / Junior / VIP / Club**
5. Select the item of your choice by using , then press .
 - ▶ **Default / Set 1~6**

Power Save (Menu **7** **7**)

Display and buttons are lighted for a designated length of time, allowing you to use your mobile phone in the dark with convenience.

1. Press Soft Key 1 **MENU**.
2. Press **7** **Display**.
3. Press **7** **Power Save**.
4. Select the item of your choice by using **<>**, then press **OK**.
 - ▶ **Normal / Save / Ultra / Manual**

Brightness (Menu **7** **8**)

Allows you to set the brightness level of the backlight.

1. Press Soft Key 1 **MENU**.
2. Press **7** **Display**.
3. Press **8** **Brightness**.
4. Control brightness by using **<>**, then press **OK**.
 - Brightness is adjusted at the interval of 3~4% each.

Entertain (Menu **6**)**Game** (Menu **6** **1**)**X-Ship** (Menu **6** **1** **1**)

1. Press Soft Key 1 **MENU**.
2. Press **6** **Entertain**.
3. Press **1** **Game**.
4. Press **1** **X-Ship** and then press **OK**.
 - Press **1** to select a new game. To pause or play game, press **CLR**.
 - Use **<>** to select character of your choice.
 - To view the next step, press **7** or **OK**.
 - Press number key to select item of your choice.

Poshong (Menu **6** **1** **2**)

1. Press Soft Key 1 **MENU**.
2. Press **6** **Entertain**.
3. Press **1** **Game**.
4. Press **2** **Poshong** and then press **OK**.
 - Press **1** to select a new game. To pause or play game, press **CLR**.
 - To view the next step, press **7** or **OK**.
 - Use **↑** to select **Beginner** or **Expert** of your choice.
 - Builds blocks of identical colour and breaks if there are more than two stars in a block.
 - Press number key to select item of your choice.

Utilities (Menu **7**)

Alarm Clock (Menu **7** **1**)

To change an event alarm time.

1. Press Soft Key 1 **MENU**.
2. Press **7** **Utilities**.
3. Press **1** **Alarm Clock**.
4. You can change the alarm mode using **< >**.
 - ▶ **Cancel / Once / Daily**
5. Use **↓** to set alarm time and then press **OK** **SAVE**.
 - ▶ Press Soft Key 1 to select **AM/PM**.
6. Set the alarm mode for alarm and press **OK** **SAVE**.

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

Wake-up Call (Menu **7** **2**)

To change an event alarm time.

1. Press Soft Key 1 **MENU**.
2. Press **7** **Utilities**.
3. Press **2** **Wake-up Call**.
4. You can change the alarm mode using **< >**.
 - ▶ **Cancel / Once / Mon~Fri / Mon~Sat / Daily**
5. Use **↓** to set alarm time and select Ringer, then press **OK** **SAVE**.

▶ Press Soft Key 1 to select **AM/PM**.

▶ Press Soft Key 1 **SEL** for Select Ringer.

6. Set the alarm mode for alarm and press **OK** **SAVE**.

How to Set Snooze

Snooze defaults when it is set to alarm.

Press **OK** while alarm is going off to select from **1** **5 min** (5-minute extension) or **2** **Deactivate**.

You may press Soft Key 1 **CNCL** following 5-minute extension to cancel the function.

Failure to press **OK** until the alarm is off will automatically activate Snooze, and the alarm will go off again in 5 minutes.

Calculator (Menu **7** **3**)

Calculate simple mathematical computations.

(Can enter numbers up to the second decimal place.)



1. Press Soft Key 1 **MENU**.
2. Press **7** **Utilities**.
3. Press **3** **Calculator**.
4. Press **2** and **↓** in order.
6. Select (multiplication) using **>** keys.
7. Press **1**, **0** in order.
8. Press **OK**.

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

NOTE Calculation should be 32 characters (for example, 50+14-...).
Valid result is 2.14*E9.



World Clock (Menu **7** **4** **1**)

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

1. Press Soft Key 1 **MENU**.
2. Press **7** **Utilities**.
3. Press **4** **World Clock**.
4. Select the city you desire by using , then press .





Auto Answer (Menu **7** **7** **2**)

Sets the phone to automatically answer a call with a recorded message.

1. Press Soft Key 1 **MENU**.
2. Press **7** **Utilities**.
3. Press **7** **Auto Answer**.
4. Select the item of your choice by using , then press .


▶ **Deactivate / Ans. Machine / Driving Mode/
After 5 Sec**






How to use the automatic answering function!

1. When the automatic answering function is setting, the icon  appears in the screen.
2. If you press and hold  for 3 seconds, the **Auto Answer** is activated, and press and hold  for 3 seconds again to release it.
3. Open the folder or press  when you want to stop the automatic answering in the middle and answer the phone.
4. When you have an incoming call, the recorded message begins to play after 7 seconds (No ringer sounds) and then caller's message begins to be recorded.
5. If there is no space for saving the message, the automatic answering function is not activated. (No ringer sounds)

NOTE When your phone is set to the automatic answering function, the phone alerts you of an incoming call by vibrating a time. If you want the ringer to sound, do not select this function.

How to use the driving mode!

You can set/cancel Driving Mode when you press  for three seconds.




1. When your phone is set to the driving mode, the icon  appears in the screen.
2. When you press  + **7** + **5** + **5** + **5** + , your phone is set to the driving mode, and press  + **7** + **5** + **1** +  to release it.
3. When your phone is set to the driving mode, you may not answer but place the call.
4. If there is no space for saving the message, driving mode is not activated.

After 5 Sec

This is the function that connects phone call automatically after 5 sec.

Record Answer (Menu **7** **6**)

Allows you to set outgoing message for automated answering.

1. Press Soft Key 1 **Menu**.
2. Press **7** **Utilities**.
3. Press **6** **Record Answer**.
4. Select the item of your choice by using , then select **Default/Record** by using .
 - ▶ Press Soft Key 1 **REC** to record outgoing message.
 - ▶ Press Soft Key 2 **PLAY** to verify message for **Record/Default**.
5. Press .

Answered Msg. (Menu **7** **7**)

1. Press Soft Key 1 **MENU**.
2. Press **7** **Utilities**.
3. Press **7** **Answered Msg.**

Scheduler (Menu **8**)

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.





NOTE

It does not ring during the periods, such as message transmission, a call, use of Telstra Mobile Loop Applications or Browser and Emergency Mode. After exiting, it will ring the reminder.

NOTE

Handset time is taken from Network time settings.

How to use buttons

-  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.
- Moves to today.

New Schedule (Menu

Allows you to input your schedule.

If you input the time and memo, an alarm rings at the set time.

1. Press Soft Key 1 **MENU**.
2. Press **Scheduler**.
3. Press **New Schedule**.
4. Select the date using your keypad, then press **SEL**.
5. Select the item of your choice using .
 - ▶ **Schedule / Reservcall / Anniv. / Memo**

To Add Schedule,

6. Press the Soft Key 1 **ADD**.
7. Enter the time with number keys (Select **AM/PM** with Soft Key 1 **PM**, and select **Hrs/Mins** with).
8. Select "**Repeat**" with (Select **None/Weekly/Monthly** with).

9. Select "**Remind**" with (You may set the alarm from 0 hours 00 minutes to 99 hours 59 minutes.).
10. Enter the time with Soft Key 1 **SET** (Select **Hrs/Mins** with).
11. Edit with (You must enter any character).
12. Press .

To change the Schedule,




1. After pressing + + , select the **Date** to change and press , and then select the **Schedule** to change by pressing .
2. After selecting the **Schedule** with + + , edit and press .

To delete the Schedule











1. After pressing + + , select the **Date** to delete and press , and then select the **Schedule** to delete by pressing .
2. Press + + .

To Add Reservcall,










6. Press the Soft Key 1 **ADD**.
7. Enter the time with number keys. (Select **AM/PM** with Soft Key 1 **PM**, and select **Hrs/Mins** with)

8. After moving to with , enter the Phone Number (You must enter any phone number).
9. Enter characters with .
10. Press .




To change the Reservcall,

1. After pressing  +  + , select the **Date** to change and press , select the item by pressing  and then select the **Reservcall** to change by pressing .
2. Select the **Reservcall** to change with  +  + , edit and press .





To delete the Reservcall,

1. After pressing  +  + , select the **Date** to delete and press , select the item by pressing  and then select the **Reservcall** to delete by pressing .
2. Press  +  + .











NOTE

When it is the reserved time, message “<Reserved> Reserved time” appears on LCD (When folder is open). If you want to call to the reserved number, press . You may move to the standby screen by pressing  or .










To Add Anniv. (Anniversary),

6. Press the Soft Key 1 **ADD**.
7. Press .
8. Select **None/Dday/D-1** with .
9. When **Dday/D-1** is selected, enter the time with number keys (Select **AM/PM** with Soft Key 1 **PM**)
10. Enter characters with  (You must enter any character).
11. Press .


To change the Anniv.,

1. After pressing  +  + , select the **Date** to change and press , select the item by pressing  and then select the **Anniv.** to change by pressing .
2. After selecting the **Anniv.** with  +  + , edit and press .











To delete the Anniv.,

1. After pressing  +  + , select the **Date** to delete and press , select the item by pressing  and then select the **Anniv.** to delete by pressing .
2. Press  +  + .










To Add Memo,



6. Press the Soft Key 1 **ADD**.
7. After entering characters press . (You must enter any character.)





To change the Memo,

1. After pressing  +  + , select the **Date** to change and press , select the item by pressing  and then select the **Memo** to change by pressing .
2. After selecting the **Memo** with  +  + , edit and press .





To delete the Memo,

1. After pressing  +  + , select the **Date** to delete and press , select the item by pressing  and then select the **Memo** to delete by pressing .
2. Press  +  + .

Find Schedule (Menu  )



1. Press Soft Key 1 **MENU**.
2. Press  **Scheduler**.
3. Press  **Find Schedule**.
4. Select the item of your choice by using , then press .
5. Enter Keyword or press Soft Key 2 **FIND**.



Clear Past (Menu  )

1. Press Soft Key 1 **MENU**.
2. Press  **Scheduler**.
3. Press  **Clear Past**.
4. To delete information, use  to select, then press  **SEL**.
5. Press Soft Key 1 **DEL**.

Security (Menu )**Privacy** (Menu  )



Prompts you to enter the password once you select this function to prevent the unauthorized use.

1. Press Soft Key 1 **MENU**.
2. Press  **Security**.
3. Press  **Privacy**.
4. Enter four-digit Lock code.(Default value is '0000')

5. Select **Deactivate/Activate** by using , then press .

Phone Lock (Menu **9** **2**)

Prevents unauthorized use of your phone.



1. Press Soft Key 1 **MENU**.
2. Press **9** **Security**.
3. Press **2** **Phone Lock**.
4. Enter four-digit Lock code.(Default value is '0000')
5. Select the item of your choice by using , then press .



▶ **Deactivate/Power-on/Now**

NOTE In standby mode, to activate the lock mode quickly, press  (for 3 seconds).



Call Reject (Menu **9** **7**)

Allows you to temporarily suspend calls when you cannot take calls during a meeting.

1. Press Soft Key 1 **MENU**.
2. Press **9** **Security**.
3. Press **7** **Call Reject**.
4. Select **Deactivate/Activate** by using , then press .



NOTE After setting **Call Reject** to the **Activate**, press and hold  (Up Side Key) to reject an incoming call, and either open the folder or press all keys except  to answer an incoming call.

Call Barring (Menu **9** **4**)

1. Press Soft Key 1 **MENU**.
2. Press **9** **Security**.
3. Press **4** **Call Barring**.
4. Enter four-digit Lock code.(Default value is '0000')
5. Select **Deactivate/Int'l. call/All calls** by using , then press .





Security Code (Menu **9** **7**)

Allows you to enter a new four-digit lock code number. For confirmation, your phone will prompt you to enter the new lock code twice.

1. Press Soft Key 1 **MENU**.
2. Press **9** **Security**.
3. Press **7** **Security Code**.
4. Enter four-digit Lock code.(Default value is '0000')
5. Enter the new four digit Lock code, then press .
6. Re-enter Lock code, then press .





Settings (Menu)

Call Answer (Menu)

1. Press Soft Key 1 **MENU**.
2. Press  **Settings**.
3. Press  **Call Answer**.
4. Select **Open folder/Press key** by using , then press .

Connection (Menu)

Sets the data mode to dial-up networking service for desktop or laptop computer to access Internet via a data cable. The handset supports for a maximum data rate of 115Kbps. The actual speed may vary according to network congestion, signal strength, and other variables.

1. Press Soft Key 1 **MENU**.
2. Press  **Settings**.
3. Press  **Connection**.
4. Select the item of your choice by using , then press .





▶ 230400 / 115200 / 19200/Fax / Enable QNC

By default, the speed is set to 115200. Whenever you try to change data speed with this menu, ensure that the data speed of your PC is same as new one of handset. The mobile phone will work with the PC properly only when the serial port settings on both the PC and your phone.

Enable QNC: Activates QNC(Quick Network Connection) in CSD(Circuit Switched Data) for all data connections (dial-up, even WAP and BREW). The connection speed for QNC is 14400, and Dormant mode is not supported in this mode. When you want to access data service outside CDMA 1x coverage area of Telstra Mobile, but inside CDMA Digital area, use this Enable QNC option.

Modem/Fax (Menu)

Sets the phone mode to receive the data from the other party.



1. Press Soft Key 1 **MENU**.
2. Press  **Settings**.
3. Press  **Modem/Fax**.
4. Select the item of your choice by using , then press .

▶ Deactivate / Modem / Fax

Voice Privacy (Menu)





Sets the voice privacy feature for CDMA calls as **Standard Mode** or **Enhanced Mode**. CDMA offers inherent voice privacy.

1. Press Soft Key 1 **MENU**.
2. Press  **Settings**.
3. Press  **Voice Privacy**.

4. Select **Standard Mode/Enhanced Mode** by using , then press .



System Select (Menu)

This function enables you to set up the phone producer's management environment. Leave this setting as the default unless you want to alter system selection as instructed by your service provider.


1. Press Soft Key 1 **MENU**.
2. Press  **Settings**.
3. Press  **System Select**.
4. Select the item of your choice by using , then press .
 - ▶ **A only/B only/Home only/Standard**


Phone Info (Menu)

Shows the software and PRL version.

1. Press Soft Key 1 **MENU**.
2. Press  **Settings**.
3. Press  **Phone Info**.
 - ▶ Press Soft Key 1 **MORE** for S/W Version and PRL Version on the display.

MESSAGES ()



You can access text messages and voice mail by using this message key .




In addition, you can make a call to the call back number by pressing  during a message check.

The phone can store up to 50 messages (1 voice message: 49 text messages) with 160 characters per message.

Users may read and edit messages, saved in the out-box during transmission, and send them.







Character limits: The LG-TD7130 supports up to 160 characters per message. Limits to available characters per message may exist; please check with your service provider for system capabilities.

NOTE When a message arrives while the folder is closed, pressing  (Down Side Key) will display message content on the Exterior LCD. Pressing  (Up Side Key) will return screen to the standby screen.

NOTE When multiple messages arrive, pressing  (Down Side Key) will display received messages in order. Pressing  (Up Side Key) will display content of the next unchecked message. If there are no unchecked messages, pressing  (Up Side Key) will return screen to the standby screen.




Inbox

Text ()



1. Press .
2. Press  **Text**.
3. Select the message to view with , then press .
 - ▶ () Unchecked message
 - ▶ () Checked message
 - Press Soft Key 1 **DEL** to delete.
 - ▶ Press Soft Key 1 **OPT**. Select **Keep**, **Delete** or **To StoreBox**.
 - ▶ Press Soft Key 2 **RPLY**. Select **Reply** or **Forward**. You choose **Reply** you can reply, if you choose **Forward** you can modify the message you've got. Then follow the process for Write Msg.



Voice ()

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 .
2. Press  **Voice**.
 - ▶ To delete information press Soft Key 1 **Del** and then press .
 - ▶ To listen the voice message press Soft Key 2 **LSTN**.





Store ()

1. Press .
2. Press  **Store**.

Select the message of choice with , and press .

 - Press Soft Key 1 **DEL** to delete.

Clear Inbox ()

1. Press .
2. Select  **Clear Inbox**.
3. Select **Yes/No** with , then press .

Clear Store ( )

Select **Yes/No** with , then press .

Inbox Alert ( )

Allows you to select the alert type for a new message.
Alert types are **Off, Once, 2 Min, 5 Min, 10 Min, 30 Min** and **1 Hour**.












Alert Tone ( )

Allows you to select the alert tone for a new message.
Alert tones are **Effect 1~4**.

Font Color ( )

Allows you to select the font colour for a new message.
Select font colour by using  then press .













Outbox**Write New** (  )

1. Press  .
2. Press  **Write New**. (For using T9 Mode)
3. Enter destination number or find saved number in the phone book, then press .
4. Enter message, then press .
5. Use  to select **Yes/No** for saving message, then press .
6. Select type of message by using , then press .
 - ▶ **Normal/Urgent**
7. When you failed to send message, select desired category, using  and press .
 - ▶ **Retry/Save/Cancel**














Received Msg (  **2**)

Received text messages and page messages may be searched, and the contents may be viewed. Received messages are sorted in an order of urgent messages, unread messages and read messages.

To view the list of the received messages.










1. Press   .
2. Press **2** **Received Msg**.
 -  : Unread Message
 -  : Read Message
3. After selecting the desired message with  ; press  **SEL**.
 - ▶ Press Soft Key 1 **DEL** to delete the selected message from the Inbox.
4. Input additional texts and press  .
5. Use  to select **Yes/No** for saving message, then press  .
6. Input the phone number that you want to send and press  .
 - ▶ From the Soft Key 2, select number saved in phone book by using **FIND** or select number by using Soft Key 1 **LAST**.
7. Select Message Type by using  and press  .
 - ▶ **Normal/Urgent**

Sent Msg (  )


1. Press   .
2. Press  **Sent Msg**.
 -  : Failed Message.
 -  : Delivered Message.
3. After selecting the desired message with  ; press  **SEL**.
 - ▶ Press Soft Key 1 **DEL** to delete the selected message from the Outbox.
4. Input additional texts and press  .
5. Use  to select **Yes/No** for saving message, then press  .
6. Input the phone number that you want to send and press  .
 - ▶ From the Soft Key 2, select number saved in phone book by using **FIND** or select number by using Soft Key 1 **LAST**.
7. Select Message Type by using  and press  .
 - ▶ **Normal/Urgent**

Draft (  )

When an incoming voice call is accepted during editing text message, the “unsent” message is stored in Draft box. Even there is a previous message in the Draft box, only the last message is remained.



1. Press  .
2. Select  **Draft**.
3. Input the phone number that you want to send and press  .
 - ▶ From the Soft Key 2, select number saved in phone book by using **FIND** or select number by using Soft Key 1 **LAST**.
4. Input additional texts and press .
5. Select save by using  and press .
6. Select Message Type by using  and press  .
 - ▶ **Normal/Urgent**

Clear Outbox (  )

Text messages and pages are deleted when you select  **Clear Outbox** from the Message Menu screen.




LOOP ()

This is the main menu to use BREW, UP Browser, and MMS Application.

1. Press .
2. Select desired category with  .
 - ▶ **PLAY/INFO/MMS**

PLAY (Mobile Loop Play)-BREW

Applicable icon is added on to appear when the application is downloaded.

-  : This is the category for downloading the application from the ADS(Application Download Server).
-  : This is the category for overall setting such as screen configuration for the downloaded application, favorites configuration, etc in order to use the application.
-  : This is the category that facilitates use of general help function in order to use mobile shop such as Application download and other setting.

INFO (Wireless Internet)-WAP

The browser feature allows you to view internet content especially designed for the mobile phone interface. Access and selections within this feature are service provider dependent.

For specific information on the browser access through your phone, contact your service provider.

Browser Start

It starts the browser.

Browser Msg

If there are any browser alerting messages, then the list is displayed.

Browser Set

Alert Sound

There are 2 alert options. **Alerts** and **Mute** options are provided in this menu. The user may select a browser start sound.

Timer Set

There are 4 options. **Off**, **30 Seconds**, **1 Minute** and **3 Minutes** options are provided in this menu. The user may select a browser linger list.

Overview


The browser allows the user to use a variety of Internet service. Using the browser on the phone allows you to:

- ▶ Send and receive Internet e-mail
- ▶ Browse and search the World Wide Web via web pages specially designed for cellular customers.
- ▶ Set bookmarks to directly access your favorite sites.
- ▶ Retrieve information such as stock quotes and flight schedules from the Internet.

Quality of Browser

Browsing the web via the phone is not like using your home computer. Site providers have selected only the critical aspects of their site to present to wireless phone users, and have removed most graphics.



Accessing the Browser

You can access the browser by pressing and hold  in initial screen or by selecting item from Main Menu screen.

Browser Start

- 1) A reminder of the charge will appear; press Soft Key 1 **Yes** to launch the browser, if required.
- 2) After a few seconds, you will see the Home Page.

Ending the browser Session

You can end the browser session by pressing  .
Ending browser calls-Users can end a browser session by pressing  .

Navigating through the Browser



While using the browser, you will find that on-screen items may be presented in one of the following ways:

- ▶ numbered options (some options may not be numbered).
- ▶ links (embedded in content).
- ▶ text or numeric input.
- ▶ simple text.

You can act on the options or the links by using the Soft Keys just below the display screen.

Navigation keys

Scrolling Up/Down by Item

You can use  to scroll through the content if the current page does not fit on one screen. The currently selected item is indicated by a > cursor on the screen and  will also move the cursor.


Scrolling Up/Down by page

Press Side Keys to move up and down a whole screen page.



Go to Home Page

To go back to the Home page, press and hold  .


View Browser Menu

Press and hold  to use the browser menu when the browser is being used.

Clearing out text/number entered

When entering text or numbers, press  to clear the last number, letter, or symbol. Press and hold  to clear the input field completely.

Selecting and activating items using Soft Keys and/or digits

If the items on a page are numbered, you can use your keypad (numeric), or  to select an item, or you can select the items by moving the cursor and pressing the appropriate Soft Keys.

Soft Keys

To navigate to different screens or select special functions, use the Soft Keys just below the display screen. Note that the function associated with the Soft Keys can change for each page and will depend on each highlighted item.

Soft Key 1

Soft Key 1 is used primarily for first options or selecting an item. But its function may change, depending on the content displayed.


Soft Key 2

Soft Key 2 is used primarily for secondary options or a menu of secondary options.

Entering Text, Numbers, or Symbols

When you are prompted to enter text, the current text entry method will appear on Soft Key 2 as Alpha, Symbol, Number, Word, or Smart (exact label depends on implementation).

To change the input mode, use Soft Key 2.

To create an uppercase character, use . And the current text method will appear on the Soft Key 2 as ALPHA or SMART.

 allows user to shift to input case sensitivity.

Initiating a phone call from the browser


You can make a phone call from the browser if the site you are using supports the feature (the phone number may be highlighted and Soft Key 1 will appear as Call).

The browser connection will be terminated when you initiate the call. After you end the call, your phone will return to the screen from which you initiated the call.

Using Bookmarks

You can bookmark many individual pages for easy access at a later time. Bookmarks save you time by reducing the number of steps it takes to access a desired page.

To create a bookmark


Go to the page that you want to mark. On the browser menu, select **Mark Site** or press and hold .

If the page has a title, it will automatically be used for the name of the bookmark. When the bookmark is saved, you can change the bookmark name if you choose. Selecting **Save** will save the name and add the page to the bottom of your list of bookmarks.

A message will appear confirming that the bookmark was added to the list. Select Soft Key 1 **OK** to return to the screen that you marked to resume navigation within the browser.

This function is dependent upon the html coding of the page being read and determined by the website.

Finding a bookmark

From the Home Page, press and hold , then select the bookmark you want.

Or

From the Home Page, press and hold the number associated with the bookmark in the bookmark list.

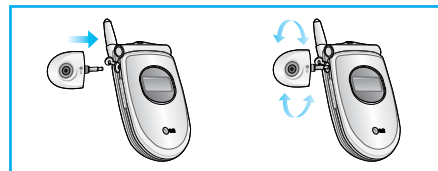
MMS(Multimedia Messaging Service)

This is a shortcut to MMS application in Mobile Loop Play. You can start this application quickly without navigating the Mobile Loop Play menu.









Digital Camera ()

Please connect a camera to take photos.

For taking photos, connect a camera to Headset/Camera Jack. “**Detecting camera**” will be displayed if a camera is not connected.











Take Photo ()

1. Press .
2. Press  **Take Photo**.
3. Press  **SHOT**.
 - ▶  : Changes the preview screen.
 - ▶  : Adjusts the brightness of the screen when taking photos.
 - ▶  : Sets the frame. (128X96 / 320X240)
 - ▶  : Rotates the screen 180 degrees.
4. Press **SAVE**  to save.

NOTE To take photos again without saving the photos taken, press Soft Key 2 **CNCL**.





Photo Manager ( )

This function allows you to check the photos taken and set the photo desired in the screen.

1. Press .
2. Press  **Photo Manager**.
3. Select the photo desired with .
4. Press Soft Key 1 **EDIT** to enter name, then press **SAVE** .
5. Select whether the Theme screen is saved with , then select an item with .
- ▶ **Idle Scree/LOOP/Power On/Power Off/Outgoing C/ Incoming C**
6. Use the  to move, then select and save the frame with .
- ▶ You could check in advance with Soft Key 1 **VIEW**.

NOTE Photo theme could be saved up to 6 and, if more than 6, delete “Photo Theme” under Select Theme.

Set Lock ( )

1. Press .
2. Press  **Set Lock**.
3. Enter a four digit password.(Default value is ‘0000’)
4. Select **Deactivate/Activate** with the , then press  **OK**.



Chapter 4 Functions Used During a Call

Send Number (During a Call : Soft Key 1 MENU + **1**)

1. Press the Soft Key 1 **MENU** during the call.
2. Press the key **1** **Send Number**.

Mute On/Off (During a Call : Soft Key 1 MENU + **2**)

This function locks the microphone of your telephone, preventing any sound from your end being heard by the person at the other end.

- **To enable Mute Function:**

1. Press the Soft Key 1 **MENU** during the call.
2. Press the key **2** **Mute On/Off**.

- **To disable Mute Function:**

1. Repeat the procedure.

Search (During a Call : Soft Key 1 MENU + **3**)

It allows you to view the list of entries in the Phone Book during a call.

1. Press the Soft Key 1 **MENU** during the call.
2. Press the key **3** **Search**.
3. Select **By Name/By Number/By Group** by using **(◀▶)**, then press Soft Key2 **FIND**.

Memo (During a Call : Soft Key 2 Memo)

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 2 **MEMO** during the call.
2. Type the phone number and press **(OK)** **SAVE**.

Chapter 5 Accessories

Desktop Charger

The desktop charger, model DC-C9W, allows you to place the phone in the stand for charging. It can charge a completely discharged battery in 3 hours.



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-42W. It takes 5 hours to charge a completely discharged battery.



Headset

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



Data Cable Kit

Connect your phone to your PC.
Model: LG-USB3000



Adaptor

This adaptor, model AD-2994, supports AC 240 Volts, 50 Hz outlets.



Camera

For taking photos, connect a camera to Headset/Camera Jack.





Chapter 6 Menu Tree

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

Phone Book	Vol/Effect	Display
<ol style="list-style-type: none"> New Entry Speed Dial Find Entries Call Duration Clear History Area Code Clear Entries 	<ol style="list-style-type: none"> Ring/Vibrate <ul style="list-style-type: none"> Ringer Sound Crescendo Vibrator Vib+Ring Vib->Ring Lamp+Mute Ring Volume Key Tone <ul style="list-style-type: none"> Default Xylophone Drop Puppy Voice Connect Alert <ul style="list-style-type: none"> Deactivate Activate Service Alert <ul style="list-style-type: none"> Deactivate Activate 1 Min Alert <ul style="list-style-type: none"> Deactivate Activate 	<ol style="list-style-type: none"> Display Theme Banner Dial Number <ul style="list-style-type: none"> Big Small Select Clock <ul style="list-style-type: none"> Deactivate Analog1~3 Digital Theme+Digital Analog+Digital Menu Theme <ul style="list-style-type: none"> Green Blue Pink Group Display Power Save Brightness
Sounds		
<ol style="list-style-type: none"> Party Party Original Global Voices Morning Dew Enjoy Today! Fantasy Trip 		
Melody Box		Entertain
<ol style="list-style-type: none"> Music Bell 		<ol style="list-style-type: none"> Game <ul style="list-style-type: none"> X-Ship Poshong

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

Utilities	Security	Settings				
<ol style="list-style-type: none"> Alarm Clock Wake-up Call Calculator World Clock Auto Answer <ul style="list-style-type: none"> Deactivate Ans. Machine Driving Mode After 5 Sec Record Answer <ul style="list-style-type: none"> Ans. Machine Driving Mode Answered Msg. 	<ol style="list-style-type: none"> Privacy <ul style="list-style-type: none"> Deactivate Activate Phone Lock <ul style="list-style-type: none"> Deactivate Power-on Now Call Reject <ul style="list-style-type: none"> Deactivate Activate Call Barring <ul style="list-style-type: none"> Deactivate Int'l. call All calls Security Code 	<ol style="list-style-type: none"> Call Answer <ul style="list-style-type: none"> Open folder Press key Connection <ul style="list-style-type: none"> 230400 115200 19200/Fax Enable QNC Modem/Fax <ul style="list-style-type: none"> Deactivate Modem Fax Voice Privacy <ul style="list-style-type: none"> Standard Mode Enhanced Mode System Select <ul style="list-style-type: none"> A only B only Home only Standard Phone Info 				
Scheduler						
<ol style="list-style-type: none"> New Schedule Find Schedule Clear Past 						
Camera	Messages					
<ol style="list-style-type: none"> Take Photo Photo Manager Set Lock <ul style="list-style-type: none"> Deactivate Activate 	<table border="1"> <thead> <tr> <th>Inbox</th> <th>Outbox</th> </tr> </thead> <tbody> <tr> <td> <ol style="list-style-type: none"> Text Voice Store Clear Inbox Clear Store Inbox Alert Alert Tone Font Color </td> <td> <ol style="list-style-type: none"> Write New Received Msg Sent Msg Draft Clear Outbox </td> </tr> </tbody> </table>	Inbox	Outbox	<ol style="list-style-type: none"> Text Voice Store Clear Inbox Clear Store Inbox Alert Alert Tone Font Color 	<ol style="list-style-type: none"> Write New Received Msg Sent Msg Draft Clear Outbox 	
Inbox	Outbox					
<ol style="list-style-type: none"> Text Voice Store Clear Inbox Clear Store Inbox Alert Alert Tone Font Color 	<ol style="list-style-type: none"> Write New Received Msg Sent Msg Draft Clear Outbox 					

Press .

Press . Press to scroll.



Chapter 7 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:
- Extend your antenna fully.

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 recommends 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 your service provider [or call the customer service line 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.

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 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 radiation-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
- 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 located 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 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 epidemio-

logical 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 animal 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 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 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 and 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 everyday, 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.

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 "compatible" 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/cdrh/phones/index.html>)
- 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>)

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 SAR value for this model phone when tested for use at the ear is 1.20W/kg and when worn on the body, as described in this user guide, is 0.566 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 BEJRD7130.

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.

Quick Connect Instructions

Windows 2000 Users

1. Select **Phone and Modem** options from the Control Panel.
2. Choose the **Modem** tab and click **Add**.
3. Check the **Don't detect modem** is selected option and click **Next**.
4. Choose **Standard 19200bps Modem**.
5. Select your available COM port(e.g. selected ports COM1), click **Next** and **Finish**.
6. Under **Phone & Modem** options, select the newly installed **Standard 19200bps Modem** and click **Properties**.
7. Ensure **Maximum Port Speed** is set to **115200**. This will match the default setting of the handset. Click **OK** to finish.

Windows XP Users

1. Install the modem by entering the Control Panel.
2. Click **Switch to Classic View** and execute **Phone and Modem** Options.
3. Enter **Modem** tab. Click **Add**.
4. Click the **Don't detect my modem** option and click **Next**.
5. Choose **Standard 19200bps Modem**.
6. Click selected ports and click COM1 Port and Click **Next**.

7. Click **Finish** to complete the modem installation.
8. Under the **Modem** tab in **Phone and Modem** options select **Standard 19200bps Modem**. Click **Properties**.
9. Enter the properties of the modem and ensure **Maximum Port Speed** is set to **115200** when you select 115200 in connect setting menu.
10. This will match the default setting of the handset. Click **OK** to finish.

Windows 98 / Me Users

1. From the Control Panel select Modems.
2. From the **General** tab click the **Add** button to initiate a new modem installation.
3. Select the **Other option** and click **Next** to continue.
4. Select the **Don't detect my modem** option and click **Next**.
5. Choose **Standard 19200bps Modem**, click **Next**.
6. Select the communications port. e.g. COM1
7. Click **Finish** to complete the Modem installation.
8. Enter **Modem properties**, under the **General** tab select **Standard 19200bps Modem**. Click **Properties**.
9. Ensure the **Maximum speed** is set to **115200** and click **OK** to close.
10. Click **Close** to exit the modem properties.

Creating a Dial up Connection

Windows 2000 Users

1. From the Control Panel click **Network & Dial Up Connections**.
2. Click **Make New Connection**. Click **Next**.
3. Create a Dial Up connection using the **Dial Up to private network** option. Click **Next**.
4. Select your newly installed **Standard 19200bps Modem** and deselect all the others. Click **Next**.
5. Input **#777** as the dial number.
6. Choose the **Do not use my smart card** option. Click **Next**.
7. Create connection **For all users**. Click **Next**.
8. Label your new connection(e.g. **Telstra CDMA 1X**) and click **Finish**.
9. A warning about protocols may appear, click **OK**.
10. The new Dial Up connection will appear. If not, execute it from **Network Connections**.
11. Enter the username as **user@telstra.internet** and the password as **telstra** and check **save password**.
12. Click **Properties** and under the **Networking** tab enable the **Internet Protocol**. Click **Settings**.
13. Uncheck all the options for the PPP Dial Up server. Click **OK**.
14. Save the settings.

Windows XP Users

1. Go to **Network Connections** from the Control Panel.
2. Under Network Tasks click **Create a new connection**. Click **Next** and then select **Connect to the Internet**. Click **Next**.
3. Select **Set up my connection manually** and continue.
4. Select **Connect using a Dial Up modem** and continue.
5. Select the **Standard 19200bps Modem** and continue.
6. Enter New Connection name (e.g. **Telstra CDMA 1X**) and continue.
7. Enter the dial string **#777** and continue.
8. Enter the username as **user@telstra.internet** and the password as **telstra**. Select User this account name. Disable the **firewall option**.
9. Click **Finish** to complete the Dial Up connection.
10. From the newly created connection screen, click **Properties** of the Dial Up connection.
11. Enter the **Networking** tab and select **Internet Protocol**. Ensure no other protocols are selected.
12. Click the **Settings** button and unselect all 3 options for the PPP settings.
13. Click **OK** to close PPP settings and click **OK** again to exit Properties.

Windows 98 / Me Users

1. Select the **Start Menu**. Select Programs> Accessories>Communications>Execute **Dial Up Networking**.
2. Double-click **Make New Connection**.
3. Label the connection (e.g. **Telstra CDMA 1X**) and select the newly installed **Standard 19200bps Modem**. Click **Next**.
4. Enter the dial number as **#777**. Enter the area code and country code as they may be required to continue. They will be removed later. Click **Next** to continue.
5. Click **Finish** to complete the Dial Up connection.
6. Select Dial Up Networking, right click on **Telstra CDMA 1X** Dial Up connection select **Properties**.
7. Uncheck the **Use area code** option. Click the **Server Types** tab.
8. Select **Advanced** options, enable **Log on to Network** only.
9. Select **Allowed network protocols**, enable **TCP/IP** only.
10. Click **TCP/IP Settings**.
11. Uncheck User **UP Header compression** and click **OK**.
12. Click **OK** again to exit properties.
13. You are now ready to dial.

Making a Data Call

Windows 2000 Users

1. Under **Start Menu** select **Network Connections**. Click on your newly created Dial up. Click **Dial** to connect.
2. An authentication message will confirm your successful log-in.
3. If the connection fails, check your settings and try again.
4. To disconnect, just press **End** key or right click in connection icon or icon in the system tray.

Windows XP Users

1. Click **Dial** to initiate the Dial Up connection.
2. An authentication message will confirm, your successful log-in.
3. If the connection fails, check your settings and try again.
4. To disconnect, just press **End** Key or right click on connection icon or icon in the system tray.

Windows 98 / ME Users

1. Click **Dial** to initiate the Dial Up connection under Dial Up Networking.
2. Enter the username as user@telstra.internet and the password as **telstra**.

3. Click **Connect** to dial.
4. An authentication message will confirm your successful log-in.
5. If the connection fails, check your settings and try again.
6. To disconnect, just press **End** Key or right click on connection icon or icon in the system tray.

Connecting data outside CDMA 1x coverage area of Telstra Mobile

1. When making a data call outside CDMA 1X coverage area, Windows will prompt you to re-enter the Username and Password. At this point enter the username **qncuser** and password **ssqnc**.