LG ARENA™

User Guide

at&t

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 TWELVE (12) MONTHS beginning on the date of purchase of the product with valid proof of purchase, or absent valid proof of purchase, FIFTEEN (15) MONTHS from date of manufacture as determined by the unit's manufacture date code.

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 the U.S, including Alaska, Hawaii, U.S. Territories and Canada.

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. WHAT LG WILL DO:

LG will, at its sole option, either repair, replace or refund the purchase price of any unit that does not conform to this limited warranty. LG may choose at its option to use functionally equivalent reconditioned, refurbished or new units or parts or any units. In addition, LG will not re-install or back-up any data, applications or software that you have added to your phone. It is therefore recommended that you back-up any such data or information prior to sending the unit to LG to avoid the permanent loss of such information.

4. 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 INFOCOMM 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.

5. HOW TO GET WARRANTY SERVICE :

To obtain warranty service, please call or fax to the following telephone numbers from anywhere in the continental United States:

Tel. 1-800-793-8896 or Fax. 1-800-448-4026

Or visit www.lgeservice.com.
Correspondence may also be mailed to:

LG Electronics MobileComm U.S.A., Inc.

201 James Record Road Huntsville, AL 35824

DO NOT RETURN YOUR PRODUCT TO THE ABOVE ADDRESS.
Please call or write for the location of the LG authorized service center nearest you and for the procedures for obtaining warranty claims.

LG ARENA™

User Guide

Table of Contents

Your Phone

Phone Components

Battery cover release button ─────────────

Power key ─────────────
Turns the phone on/off.

Earpiece ─────────────

Proximity Sensor ─────────────

⓵ Warning
Moisture on the proximity sensor may cause it to malfunction.
Please wipe any moisture off the sensor surface.

End key ─────────────
• Rejects a call.
• Press once to return to the homescreen.

Clear key ─────────────
Maintain touch for 3 seconds to go to the Voice Command.

Call key ─────────────
Dials a phone number and answers incoming calls.

⓵ Warning
Putting a heavy object on the phone or sitting on it can
damage the LCD and touch screen functionality.
Do not cover the proximity sensor of the LCD. It can cause
the sensor to malfunction.

Headset jack, Charger, Data cable (USB cable)
Allows you to plug in the charger, or an optional wired headset for convenient hands-free conversations, or an data cable.

❶ Tip
Before connecting the USB cable, wait until the phone has powered up and has registered on the network.

Volume keys
- **When the screen is idle:** ringtone volume.
- **During a call:** earpiece volume.
- **When playing a track:** controls volume.

Multi-tasking key

Camera key
- Press once to activate the camera function. Hold down the key to activate the video function.

Rear View

Battery cover

Battery release button

Battery

Flash

SIM card socket

Camera lens

Memory card socket
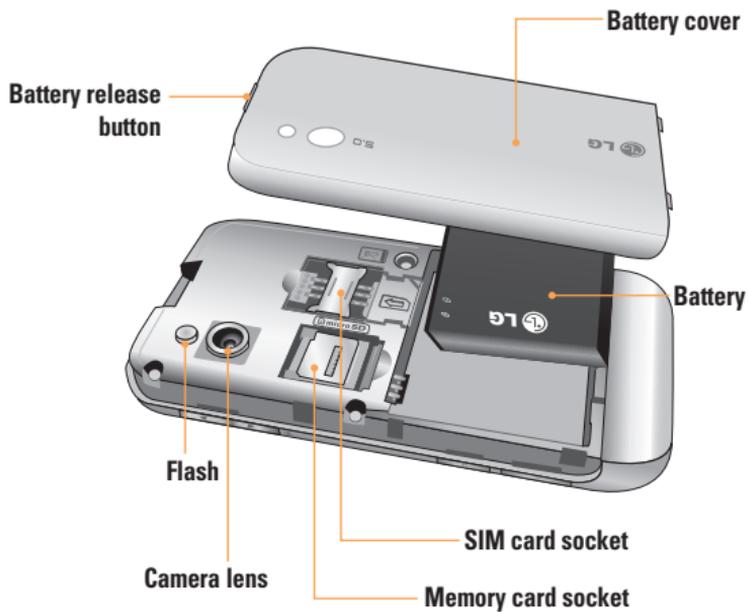
Getting Started

Installing the SIM Card and Battery

1. Remove the battery cover
Press and hold down the battery release button on the top of the phone and lift off the battery cover.

2. Remove the battery
Hold the bottom edge of the battery and lift it away from the battery compartment.

⊘ Warning
Do not remove the battery when charging the phone by Travel Adapter or USB charger.

⊘ Warning
Do not remove the battery when the phone is switched on, as this may damage the phone.

3. Install the SIM card
Slide the SIM card into the SIM card holder. Make sure the gold contact area on the card is facing downwards. To remove the SIM card, gently pull it outwards.
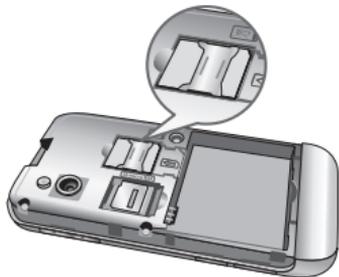
4. Install the battery

Insert the top of the battery into the top edge of the battery compartment first. Ensure that the battery contacts align with the phone's terminals. Press the bottom of the battery down until it clips into place.

Charging your phone

Unfasten the cover of the charger socket on the side of your LG Arena. Insert the charger connector to the phone ('B' side of the connector has to be facing up when connecting to the phone) and then plug into the wall socket. Your LG Arena must be charged until the "Battery full" message appears on the screen.

❶ Note

The battery must be fully charged initially to improve battery lifetime. Disregard the first "Battery full" message and keep the phone on charge overnight (or for up to 14 hours).

❶ Warning

Do not connect the Travel Adapter or USB Charger when the battery is removed from the phone.

Memory card

Installing a memory card

You can expand the available memory space on your phone by using a memory card.

🔔 Note

A memory card is an optional accessory.

1. Remove the battery cover as before.

2. Unlock the microSD™ compartment by sliding it into the 'Open' position (as printed on the microSD™ compartment cover). This will allow the cover to open so that you can add a microSD™ card to your phone. Insert a microSD™ card with the gold contact area facing downwards. Close the memory card cover so that it clicks shut.

3. Replace the phone cover back on to the phone.

Formatting the memory card

Your memory card may already be formatted. If it isn't, you will need to format it before you can start to use it.

❶ Note
All files get deleted while formatting.

1. From the homescreen select ▦ and choose **Phone Settings** from the Settings tab.

2. Scroll and touch **More** then select **Memory**.

3. Touch **Used Space** and select **Memory Card**. Touch **Format** and confirm your choice.

4. Enter the password, if one has been set. The default security code is 0000. The card will then be formatted and ready to use.

❶ Note
If there is existing content on your memory card, the folder structure may be different after formatting since all files will have been deleted.

Transferring your contacts

To transfer your contacts from your SIM to your phone:

1. From the homescreen, touch the Soft Touch key 🔲 **Contacts** and select ▤.

2. Touch **Copy to Phone**. Choose Keep Original or Delete Original.

3. Select a contact and touch **Yes** to confirm your choice.

4. You can transfer your contacts from Phone to SIM card if you select **Copy to SIM**.

General Functions

Making a Call

1. Make sure your phone is powered on.

2. Touch 📷 and enter a phone number using the touch pad. To edit a number on the display screen, simply press the C•↩ key to erase one digit at a time.

▶ Press and hold the C•↩ key to erase the entire number.

3. Touch the 📞[SEND] key to call the number. Or touch Call on the touch screen.

Making a Call with the Send Key

1. Touch the 📞[SEND] key, and the most recent missed, dialed and received phone numbers will be displayed.

2. Select the desired number.

3. Touch the 📞[SEND] key or touch Call Back.

Making International Calls

1. When entering a phone number, touch and hold 0 + .

2. Enter the country code, area code and the phone number.

3. Touch the 📞[SEND] key to call the number. Or touch Call on the pad.

Ending a Call

When you have finished a call, touch the 📞[END] key.

Making a Call from the Contacts

You can store frequently called names and phone numbers in the SIM card as well as in the phone memory known as Contacts.

You can dial a number by simply selecting a name in the contacts and touching the 📞 [SEND] key.

Answering a Call

When you receive a call, the phone may ring (depending on your RingTone volume settings) and the phone icon appears on the screen. If the caller can be identified, the caller's phone number (or name if stored in your Address Book) is displayed.

1. Touch the ☎[SEND] and touch
   `Accept Call`.

   If Any Key has been set as the Answer Mode, any key press will answer a call except for the ☎[END] key, ◁━━━▷ and ◉⊓⊓.

2. End the call by pressing the ☎[END] key or reject button.

❶ Note
   You can answer a call while using the Address Book or other menu features.

Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the side volume keys of the phone.

Setting Ringtone Volume

In the Standby screen, press either of the side volume keys. You can set your Ringtone to Vibrate All, Alarm Only or Silent All.

You can also adjust the touchtone sound and vibration volume from the Dialpad screen.

Vibration Mode (Quick)

Vibration Mode can be activated by touching and holding [#] from the dial pad. You can also set Vibration Mode by pressing and holding down side volume key as well.

The phone will display 'Vibrating Mode On'. If you would like to turn Vibrating Mode Off, touch and hold [#] again.
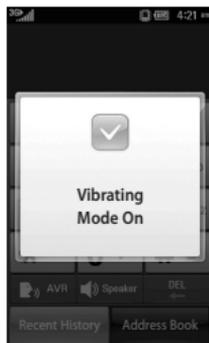
Signal Strength

If you are inside a building, being near a window may give you better reception. You can see the strength of your signal by the signal indicator on your phone's display screen.

Entering Text

You can enter alphanumeric characters by using the phone's touch screen. For example, storing names in the Address Book, writing a message or scheduling events in the calendar all require text to be entered.

The following text input modes are available on the phone while typing in landscape mode (unless otherwise noted).

Symbol Mode

The Symbol Mode enables you to enter various symbols or special characters. To enter a symbol, touch [123@#?]. Then select the desired symbol.

ABC Mode

This mode (default) allows you to enter letters by touching the key labeled with the required letter once, twice, three or four times until the letter is displayed.

123 Mode (Numbers Mode)

Type numbers using one keytouch per number. To change to 123 mode in a text entry field, touch [123@#?].

Using the T9 Mode

The T9 predictive text input mode allows you to enter words easily with a minimum number of key presses while typing in Portrait mode. As you touch each key, the phone begins to display the characters that it thinks you are typing based on a built-in dictionary. As new letters are added, the word changes to reflect the most likely candidate from the dictionary. To enter T9 Mode, touch [T9].

1. When you are in the T9 predictive text input mode, begin entering a word by pressing the touch screen keys `Abc` to `Wxyz`.
Press one key per letter.

  ▶ The word changes as letters are typed - ignore what is displayed on the screen until the word is typed completely.

  ▶ If the word is still incorrect after typing completely, press `▼` on the pop up menu to see the options. Then select the word you want by touch.

  ▶ If the desired word is missing from the word choices list, add it by pressing `▼` and selecting `T9 WRITE WORD` to enter the new word. Then press `Save` to save the word into the built-in dictionary.

2. Enter the whole word before editing or deleting any letters.

3. Complete each word with a space by touching `＂　↵`.

To delete letters, touch `DEL`. Touch and hold down `DEL` to erase the entire text entry.

❶ Note
Pressing the `📞`[END] key will save your unsaved message in the Drafts folder.

Using the ABC Mode

Use the touch pad keys to enter your text.

1. Touch the touch key labeled with the required letter:

  ▶ Once for the first letter

  ▶ Twice for the second letter

  ▶ And so on

2. To insert a space, touch `　↵`. To delete letters, touch `DEL`. Touch and hold down `DEL` to erase the entire text entry.

❶ Note
Refer to the table below for more information on the characters available using the keys.

Touch ![icon] to input a Upper Case letter. To change text entry mode from Lower Case to Upper Case, touch ![icon] twice and the key will turn to orange color ![icon] - indicating that Caps Lock has been activated.

Key	Characters in the Order Display	
	Upper Case	Lower Case
1	. , ' @ ? ! - : / 1	. , ' @ ? ! - : / 1
2	A B C 2	a b c 2
3	D E F 3	d e f 3
4	G H I 4	g h i 4
5	J K L 5	j k l 5
6	M N O 6	m n o 6
7	P Q R S 7	p q r s 7
8	T U V 8	t u v 8
9	W X Y Z 9	w x y z 9
0	Space Key, 0 (Long press)	Space Key, 0 (Long press)

Using the 123 (Numbers) Mode

The 123 Mode enables you to enter numbers in a text message (a telephone number, for example) more quickly. Touch the keys corresponding to the required digits before manually switching back to the appropriate text entry mode.

T9 Dictionary

The T9 Dictionary is a feature that allows the user to add any unique or personal words to the T9 standard language database. The T9 Dictionary function can be selected from the **Text Entry Settings** by using Options ![icon]. Within the **T9 Dictionary** function, the user can add, modify, delete or reset personal words.

❶ Note
You can select a different T9 language from the same Options menu. The default setting on the phone is the T9 disabled mode.

Entering Text in Another Language

Touch 🖃 and select **Text Entry Settings**.

Choose **Text Entry language** and select the language you want to input.

To see alphabet characters with accents. Tap the corresponding key repeatedly until the character with the accent appears.

Using the Korean Mode

Allows you to type in Korean when you set the language to Korean.

When you use Touch Keypad

Allows you easily input the letters. To input ㅎ, touch ⌈ㅇ⌉ and touch ⌈획추가⌉. To input ㄲ, touch ⌈ㄱ⌉ and touch ⌈쌍자음⌉.

Type Message

Menu Tree

Touch ▦ in the standby screen to open the **Main Menu**. From here you can access the following menus: **COMMUNICATION**, **FIND**, **ENTERTAINMENT** and **TOOLS & SETTINGS**

COMMUNICATION

- Address Book
- Messaging
- Mobile Email
- IM
- Dialing
- Recent History
- AT&T Social Net
- Create Message

FIND

- Mobile Web
- YPmobile
- AT&T Navigator
- Where
- My Account
- AT&T GPS
- Wikimobile
- Shop GPS

ENTERTAINMENT

- AppCenter
- TV
- Mobile Video
- AT&T Music
- Camera
- Pictures
- Video
- Games

TOOLS & SETTINGS

- My Stuff
- Applications
- Bluetooth Settings
- Phone Settings
- Sound Settings
- Display Settings
- Tools
- Alarm Clock

In-Call Menu

Your phone provides a number of functions that you can use during a call.

During a Call

The menu displayed on the handset screen during a call is different from the default main menu displayed when in the Standby screen, and these options are described below.

Making a Second Call

You can select a number you wish to dial, to make a second call.

1. Press `Dialpad`, enter the 2nd phone number and press `Call`.

   or

   Press `Contacts` to select a contact from your Address Book and then press the Call button 🔘.

Swapping Between Two Calls

By using one of the two methods below, you can switch between two on-going calls.

1. Press ☎[SEND] key.

2. Touch Swap button.

Answering an Incoming Call

To answer an incoming call when the handset is ringing, simply press the ☎[SEND] key or touch `Accept Call`. The handset is also able to warn you of an incoming call while you are already on a call. A tone will sound in the earpiece, and the display will show that a second call is waiting. This feature, known as **Call Waiting**, is only available if your network supports it.

If Call Waiting is turned on, you can put the first call on hold and answer the second call by pressing the ☎[SEND] key.

Rejecting an Incoming Call

You can reject an incoming call without answering by simply pressing the ☎ [END] key or touching Reject .

Muting the Microphone

You can mute the microphone during a call by touching 🔀 . The handset can be unmuted by touching 🔀 again. When the handset is muted, the caller cannot hear you, but you can still hear the caller.

Using the Speakerphone

You can use the integrated Speakerphone during a call by touching 🔊 . The Speakerphone is automatically deactivated when you end the call.

❶ Warning
Due to increased volume levels, do not place the phone near your ear while the speakerphone is enabled.

Proximity sensor

When receiving, making and during calls, this sensor automatically turns the backlighting off and locks the touch keypad by sensing when the phone is near your face or ear.

This makes the battery life last longer and prevents the touch keypad from accidental keypresses during a call.

Users, therefore, do not have the inconvenience of having to lock and unlock the phone during calls.

Video Share Calling

Making a Video Share Call

You can make or answer a Video Share call with other 3G AT&T video phones. In order to have a Video Share call, both sides must have a 3G AT&T Video Share capable phones and both must be in a 3G coverage area.

To initiate Video Share follow these steps:

1. Initiate a phone call by dialing a number, or selecting a number from the Address book. Or, you can directly initiate a video share call directly from the Recent Call or Contact List by selecting the desired number and touching the [Video Share Call] Icon and selecting Video Type (Live or Recorded). In this case skip steps 2-3.

2. A few seconds after the connection is established, a "Video Share Ready" prompt will appear on the screen once the other party is ready to use the Video Share service. If the Audio alert in the Video Share setting (See Application Setting) is set to ON , audio alert will sound along with the prompt.

3. To Share Video with another party, touch the Video icon or press the Camera key and select Video Type (Live or Recorded).
 • **Live:** Share a real-time video stream with the other party.
 • **Recorded:** Share a pre-recorded video clip with the other party. (Note that H.263 & Mpeg4 video formats in 176x144 size is supported)

❶ Note
The Speakerphone will be automatically activated when a Video Share session begins, unless a hands-free device (Bluetooth® or stereo headset) is connected.

4. If the other party accepts the Video Share invitation, the Video Share session will begin. (After accepting, it may take several seconds before the actual Video Share starts.)

During a Video Share call, you can do the following by touching the icons below:

▶ 🔊 **:** You can turn on/off the Speakerphone.

▶ 🎤 **:** You can mute/unmute the microphone.

▶ **Stop :** You can stop a Video Share Call and proceed to a Voice Call.

You can choose from the following:

▶ **Brightness:** You can adjust the brightness of the screen by selecting Brightness.

▶ **Zoom:** You can zoom in/out the video by selecting Zoom.

▶ **Audio to Bluetooth®/Audio to Phone:** When Audio to Bluetooth® is selected, you can have the conversation using Bluetooth®. When Audio to Phone is selected, you can have the conversation using either speakerphone or headset.

▶ **Record Video Share/Stop Recording:** You can record the video by selecting '**Record Video Share**'. Once you are recording the video, you can stop recording by selecting 'Stop Recording'.

▶ **End Call:** You can end the phone call by selecting '**End Call**'. (Note: Video Share will stop as well)

▶ **Hold Call:** You can hold the phone call by selecting '**Hold Call**'. (Note: Video Share will stop when you select '**Hold Call**')

During the Video Share session, turn the speakerphone on/off using the '**Spk. off**' / '**Spk. on**' key.

❶ Note
Recorded video clip will be saved in **Menu > MyStuff > Video**.

5.1. Stop a Video Share call and proceed to a voice call by

  • Touching **Stop** Icon

5.2. End a voice call along with the Video Share call by

  • Pressing [End] Key

  • Selecting > **End Call**

❶ Note
  1. A Video Share Call will be terminated in the following cases:
  • When trying to make a conference call/ second call during a Video Share Call.
  • When the voice call is placed on hold.
  • When the voice call is disconnected.
  • When moving out of an AT&T 3G service area.
  • When the network connection is poor.
  2. A Video Share Call will be unavailable in the following cases ("Video Share Ready" message will not appear).
  • When trying to make a conference call/ second call during a Video Share Call.
  • When the voice call is placed on hold.
  • When moving out of an AT&T 3G service area.

Answering a Video Share Call

1. Touch [Yes] when you receive a prompt asking "The other party wants to share Video Share with you" appears, to start the Video Share Call. Touch **No** to decline the Video Share call. (Note that after accepting the call, it may take several seconds before the Video Share session starts.)

You can choose from the following:

▶ **Landscape mode:** When you rotate the phone (from portrait to landscape mode) you can watch shared video in landscape mode.

▶ **Audio to Bluetooth®/Audio to Phone:** When Audio to Bluetooth® is selected, you can have a conversation using Bluetooth®. When Audio to Phone is selected, you can have a conversation using either speakerphone or headset.

❶ Note
The speakerphone will be automatically turn on when a Video Share Call begins, and automatically revert back to the previous mode when a Video Share Call ends.

Making a Video Share Call from the Video Recording Mode or Video

When you are Recording Video, you can easily make a Video Share Call to a person in your Contact List.

1. Start Video Share call as follows:

  ▶ Open the Camera and switch to Video Record mode. Then, touch 🖾.
  ▶ Open the Video Gallery (Menu > My Stuff > Video). Touch the video you want to share. Then, while the video is playing, touch 🖾.

❶ Note
This menu item is active only in 3G coverage areas and on Video Share capable devices.

❶ Note
If the other party is not ready for Video Share, the call will proceed to an ordinary voice call.

Saving your Video Share

The sender can record video during the Video Share session by

▶ Selecting **Option** > **Record Video Share** during a live Video Share call.

▶ Setting Auto Record to '**ON**' (Menu > Phone Settings > More > Application Settings > Video Share).

Sender can save the recorded video by

▶ Selecting **Option** > **Stop Recording** during a live Video Share call.

▶ Ending Video Share call.

Recorded video will be saved in the Video folder (Menu > My Stuff > Video) in the phone.

Conference Calls

The conference service provides you with the ability to have a simultaneous conversation with more than one caller. The conference call feature can be used only if your network service provider supports this feature.

Once a conference call is set up, calls may be added, disconnected or separated (that is, removed from the conference call but still connected to you) by the person who set up the conference call. These options are all available from the In-Call menu.

The maximum number of callers in a conference call is five. Once started, you are in control of the conference call, and only you can add calls to the conference call.

Making a Second Call

You can make a second call while currently on a call simply by accessing the Dial Pad, from the In-Call Menu, entering the second number and pressing the ⌢[SEND] key. When the second call is connected, the first call is automatically placed on hold. You can swap between calls by pressing the ⌢ [SEND] key.

Setting Up a Conference Call

To set up a conference call, place the first call. Once that is connected, follow the steps above to make a second call. You can then join the two separate calls by touching ▤ and select the **Join Calls**.

Activate the Conference Call on Hold

To activate a conference call on hold, press the ⌢ key.

Adding Calls to the Conference Call

To add a call to an existing conference call, enter a new number using the Dialpad, or touch 📞 Add call to select a contact.

Private Call or Exclude call in a Conference Call

To have a private call with one caller or exclude one caller from a conference call, touch ▼ . When the numbers of the callers are displayed, touch Private or Exclude for the corresponding contact. See the following image for reference.
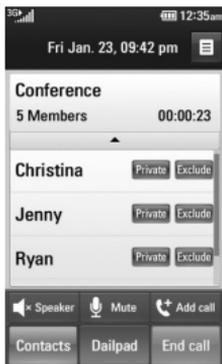
Ending a Conference Call

An active conference call can be disconnected by pressing the ☎ key.

Your homescreen

From here you can access the main menu, make a quick call and view the status of your phone - as well as many other things.

Touch Screen Tips

The homescreen is also a great place to get used to using the touch screen.

To select an item, touch the centre of the icon.

▶ Do not to press too hard; the touchscreen is sensitive enough to pick up on a light touch.

▶ Use the tip of your finger to touch the option you require. Be careful not to touch any other keys.

▶ When the screen light is off, press the power key to turn on the backlight and then again to unlock the phone screen.

▶ Whenever your LG Arena is not in use, it will return to the lock screen.

Customizing the homescreen

▶ **Get in touch with your LG Arena:** The User Interface has four different Homescreens. To swap between the homescreens just swipe your finger quickly from left to right or from right to left.

▶ **Homescreen customization:** For each type of homescreen you are able to add and remove objects by pressing & holding your finger on the screen, or, if already added, touching and holding one of the objects.

▶ **Widget Homescreen**

Touch ▼ to bring up the widgets available. Touch and drag any widget you want to add to the Widget screen.

▶ **Shortcut Homescreen**

Touch ⚙ to manage shortcuts. You can remove shortcuts by touching ▬ and Add to add other shortcuts.

▶ **Notifications Homescreen**

This homescreen allows you to check missed call, voicemail, new message, new email, new IM and calendar notifications.

▶ **Contacts Homescreen**
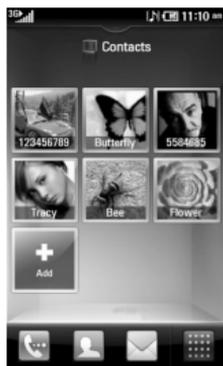
Touch to add contacts on the Contacts homescreen. From the addressbook list, you can add up to 30 contacts.

The Quick Keys

The quick keys on your standby screen provide easy, one-touch access to your most used functions.

Touch to bring up the touch dialling pad to make a call. Input the number as you would using a normal key pad and touch `Call` or press the ☎ hard key.

Touch to open your contacts and search for the number you want to call. You can also create new contacts and edit existing ones.

Touch to access the Messaging options menu. From here you can create a new outgoing Message.

Touch to open the full Main menu which is separated into four sub-menus. Be sure to use your finger to swipe the sub-menus left/right to view all available options.

Annunciator

With LG Arena's Annunciator, you can quickly connect to the Music Player, Bluetooth service and more.

Touch the top side of the standby screen.
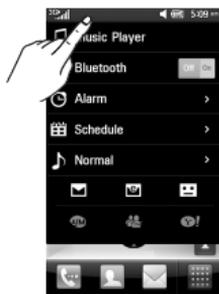
▶ You can set your profile by touching 🎵. You can set your profile to Normal, Ring and Vibration, Ring after Vibration or Silent and Vibration.

▶ To open Messaging, touch 📩. To open Mobile Email, touch 📧. To call Voicemail, touch 📟.

▶ To use IM, choose from ◉ ◉ ◉.

▶ You can set Alarm and view Calendar or add new events.

Touch screen

The controls on the LG Arena touch screen change dynamically, depending on the task you are carrying out.

Opening Applications

To open any Application, simply touch its icon.

Scrolling

Drag from side to side to scroll. On some screens, such as web pages, you can also scroll up or down.

Zooming In or Out

When viewing photos, web pages, some types of documents, or maps, you can zoom in and out. Pinch your fingers together or slide them apart.
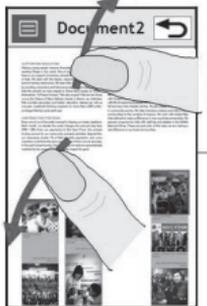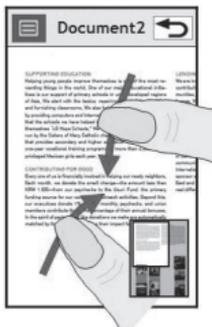
Viewing the status bar

The status bar uses different icons to show conditions such as signal strength, new messages and battery life as well as whether Bluetooth or data connections is active.

Below is a table which explains the meaning of icons you're likely to see in the status bar.

ICON	DESCRIPTION
⊤	No Service
3G⌄ₐₗₗ	3G
E⌄ₐₗₗ	EDGE
🎧	Bluetooth Mono Stereo headset
🎧	Bluetooth Stereo headset
🎧	Bluetooth Mono headset
⁕	Bluetooth on
⁕	Bluetooth Transfer
⁕	Bluetooth Visibility
⛃	Downloading
📞	In-call
🌐	Internet
🔍	Searching

ICON	DESCRIPTION
⟳	Call forwarding
⟱	Call reject
🔒	Security
🎧	Headset
◔	Alarm
🗓	Schedule (Calendar)
⊠	Multi-tasking
❚❚	Music paused
▷	Music playing
✉	Message being sent
☺	New voicemail
✉	New message
✉	New email
✈	Flight mode
🔇	Silent
📳	Ringtone after vibration
📳	Ringtone with vibration
▥	External memory

ICON	DESCRIPTION
🔋	Battery status
▦	TTY
📺	TV

Using the Task Menu function

Press the multitasking hard key ▣ to open the **Task Menu**. From here you can view the applications that are running and access them with one touch.

Communication

Address Book

From standby screen, touch ▦ and touch 🖼. You will see following Address Book's submenus.

Contact List

This menu allows you to save and manage contact address information. The Contact List's functions allow you to add a new address or search saved contact addresses by name. To search a contact, touch 🔍 and input the contact person's name. If you input 'At', it will show all contacts beginning with 'At' in its name. From the standby screen, you can directly search for a contact by touching 🖼 and 🔍.

▶ 🔍 : Search a contact.

▶ AZ : Allows you to quickly browse the Contact List by letting you jump to the first letter.

New Contact

This menu allows you to add a new contact address. You can enter various items of information, including: name, phone numbers, email addresses, company information, Contact picture, ringtone and more.

1. From the standby screen, touch 🖼 and touch   Add New .

2. Touch 👤 to set a Picture ID for a contact by using a saved picture from Pictures or taking a new picture of the contact person. Choose from **No picture**, **Pictures** or **Take New Picture**. If you take a new picture of the contact person, touch 📷 to set as the Contact Picture ID. To delete the picture, touch 🗑, select **Yes**, and take a new picture.

3. Touch the Contact information fields to enter the corresponding information. When finished with the field, touch ` Tab ` to move to the next field.

▶ Enter the First name, last name or both.

▶ Enter up to five different numbers. Touch ⚡ to set that number as Speed Dial.

▶ Enter an email address.

▶ Select a Group for the contact.

▶ Set the ringtone for the contact or leave it as default ringtone.

▶ Add memo if necessary.

▶ Choose whether to save the contact to Phone or SIM Card memory.

4. Touch ` Save ` to save the contact.

Caller Groups

This menu allows you to manage group information. By default, there are 4 groups: Colleague, Family, Friends and School. Contacts that are not in any Caller Group are placed in **No Group**. You can also configure a ring tone for a group so that the specific ring tone sounds to announce an incoming call from a member of that group. That is, if no ring tone is already assigned for that specific contact.

Speed Dial Lists

You can assign 8 frequently-called contacts to a speed dial list. You can select a number from 2 to 9 as a speed dial. You can configure speed dial numbers for any of the 8 numbers for a specific contact address.

▶ Your Voicemail is already set to speed dial 1. This is a default setting and can not be changed.

▶ This will open your address book.

▶ To call an assigned speed dial number, touch 🔲 from the Standby Screen. Then touch and hold the Speed Dial number; the call will be placed to the assigned number automatically.

Contact Management

This menu allows you to copy contacts to and from your handset. If a name is duplicated during the copying operation, the information is also duplicated.

From this menu, you are also able to delete entries in the SIM card and the Handset.

Service Dial Numbers

You can view the list of Service Dial Numbers (SDN) assigned by your network provider. Such numbers could include the emergency services, directory assistance and voice mail numbers.

1. Select the Service dial number option.

2. The names of the available services will be shown.

3. Select a service number. Select an index to make a call.

My Numbers

This displays your own phone number in your phone/SIM card. You can add other My Numbers by touching ⬛ Edit or you can choose ⬛ Clear and delete the information.

Messaging

This menu includes functions related to SMS (Short Message Service), MMS (Multimedia Message Service), voice mail as well as the network's service messages.

New Message

1. In the standby screen, select ☐.

2. Touch **Create New Message**.

❶ **Note**
If you attach a graphic or an audio file while writing a multimedia message, the file loading time can take up to 5 seconds. You will not be able to activate any key during the file loading time. When the file loading is complete, you will be able to write a multimedia message.

Editing a message

The following options are available when Editing a Message.

▶ **Symbol:** You can insert symbols ranging from sentence notes to emoticons. Touch the ![#@? Abc] twice, and you can select the symbols you want. You can use ◀ and ▶ to scroll through the various pages of symbols.

Inserting Multimedia files in outgoing messages is easy. Press the ![Insert] button and select an option from below:

▶ **Picture:** Touch a picture to preview it. Touch ![Insert] to insert the selected picture.

▶ **Take New Picture:** You can insert a new image taken with the camera.

❶ Note
Refer to page 76 for camera options.

▶ **Video:** You can insert from your saved Video clips.

▶ **Record New Video:** You can record a new video clip to insert.

▶ **Audio:** You can insert from your saved Audio files.

▶ **Record New Audio:** You can record a new audio clip to insert.

▶ **Template**

- **Text:** You can easily insert frequently used sentences in the text message.

- **Multimedia:** Insert a Multimedia template. You can create one through the Messaging Settings menu.

- **Signature:** Input your own created signature. For further details, see page 49.

▶ **More:** Allows you to insert Subject, vCard, vCalendar, vNote, vTask or Contact.

❶ Note
vCard, vCalendar, vNote, vTask and Contact items originate from the Address Book, Calendar, Notepad and Tasks functions. Go to the corresponding sections for more detailed information.

Using Options

While entering text, touch 目 to use the options below.

• **Text Entry Settings**

- **Text Entry Language:** Allows you to set the text entry language to English, Français, Español or Korean.

- **Show/Hide Candidate List:** When in T9 Entry Mode, you can see the word candidates as you type.

- **Next Word Prediction On/Off**

- **T9 Dictionary:** Here you can add/delete/reset/modify words to the T9 Dictionary.

- **Select Text:** Tab block to copy the text.
- **Copy:** Copy the text.
- **Paste:** Paste the text.
- **Delivery Options**
  - **Delivery Receipt:** If this is set to **On** in this menu, you can check whether your message was sent successfully.
  - **Request Read Receipt:** You can set this to On or Off.
- **Save to Drafts:** Saves the selected message to Drafts.
- **Writing Font Size:** Set the writing Font size to Small, Medium and Large.
- **Cancel Message:** Allows you to exit the Message without saving your input message.

Sending a Message

After completing a message using **Insert/ Options**, select **Send To** to send a message.

- Touch `Send To` to enter the recipient(s). From ☰, you can choose an option item below.
  - **Enter Number:** You can input the recipient(s) number using the Touch keypad.
  - **Enter Email:** You can enter an Email address instead of a phone number.
  - **Caller Groups:** Displays Contact Groups.
  - **Recent Messages:** Choose a contact from recent messages.
  - **Recent Calls:** Choose a contact from recent calls.
  - **Delivery Options:** Options of **Delivery Receipt**, **Request Read Receipt**, **Add Cc**, and **Add Bcc**.
  - **Edit Message:** Go back to the message editing mode.
  - **Save to Drafts:** Saves the selected message to Drafts.

- **Text Entry Settings:** This menu allows you to set the **Text Entry Language**. It also allows you to **Show/Hide Word Candidate List**, **Next Word Prediction On/Off**, and access the **T9 Dictionary** to delete/add/modify words.

- **Select Text**

- **Copy**

- **Paste**

- **Cancel Message:** You can cancel the message.

Message folders

The folder structure on your LG Arena was designed to be fast and easy to use.

▶ **Inbox:** All the messsages you receive are placed into your Inbox.

▶ **Drafts:** If you don't have time to finish writing a message, you can save what you've done. Draft messages are saved here.

▶ **Outbox:** Sent messages are saved here.

❶ Note
If you see the message "SIM Card text message box full.", then you should delete some messages from your Inbox. If you see the message "Text message box full. Delete old messages.", then you can delete either messages or saved files to create space.

Inbox

You will be alerted when you receive a message. They will be stored in the Inbox. In the Inbox, you can identify each message by icons. To reach the Inbox, from the Standby screen, touch ☐.

The following options are available when you access the Inbox and touch ☰.

▶ **Delete:** You can pick a message and delete it.

▶ **Standard view:** You can select standard viewing mode.

▶ **Message Settings:** For more information, please refer to Message Settings on page 45.

▶ **Delete All:** You can delete all messages in the Inbox and Outbox.

Drafts

You can view the messages saved as drafts. To see the Drafts folder, touch ⬜ from the Standby screen and touch **Inbox** to open the drop down menu, then touch **Drafts**.

Outbox

Outbox is the folder where sent messages and messages that are being sent can be found.

If the message is not sent from the Outbox, you will receive a sound alert along with a Message Sending Failure notice on the screen. Another attempt will be made to send the failed message and after two unsuccessful attempts, the message will no longer be sent automatically. In order to send the message that has failed, you must touch ▬▬Resend▬▬ to resend the message.

Outbox list will display messages in chronological order. Touch ☰ to use the options available to the Outbox.

▶ **Delete:** Deletes a message you choose.

▶ **Sort by:** Allows you to sort by Date, To address or Subject.

▶ **Message Settings:** Change message settings.

▶ **Delete All:** Deletes all messages from the Outbox.

Viewing a Message in Conversation View

This mode allows you to view all messages with each contact in conversational order.

Choose Expand to see messages in detail or choose Collapse for the simple view.

Viewing a Message in Standard View

The following options are available in standard view:

▶ **Add to Address Book:** You can save the sender's phone number in the Contact List.

▶ **Select Slide:** If the multimedia message has more than one slide, you can select and move to the desired slide.

▶ **Extract Data:** You can make a voice call or send a message. You can save the number As New contact or Updating Existing.

▶ **Copy to SIM:** Copies the message to the SIM card (if space is available).

▶ **Move to SIM:** Moves the message to the SIM card (if space is available).

▶ **Message Details:** You can view information about received messages; message Type, Subject, Sender's address, and message Time.

Message Settings

To configure **Messaging settings**, touch ☐ from the Standby screen, then touch ☐ and select **Message Settings**.

Message Alert

You can set the Sounds, Volume and Alert Type here.

Save to

Choose to save messages to the Phone or SIM Card.

Signature

This feature allows you to create your Text signature. You can use symbols, text templates and contacts as part of the signature.

Text Message

▶ **Text Template**

There are 6 predefined messages in the list. You can view and edit the template messages or create new ones.
The following options are available when you touch 🔳.

- **Multi Delete:** Allows you to select multiple templates for deletion.

- **Delete All:** Deletes all messages in the folder.

To edit an existing Template, touch it (to open) then touch the text. The Edit Template screen will automatically open.

▶ **Message Center Number:** This number is set by your provider. Do not change it.

▶ **Email Gateway:** This setting is set by your provider. Do not change it.

▶ **Message Subject:** You can enter SMS Subject when this menu is ON. You can switch between OFF to ON by touching the icon.

▶ **Insert Signature:** If set to On, each new message will automatically include your signature.

Multimedia Message

▶ **Multimedia Templates:** Multimedia templates are available and can be created here.

▶ **Priority:** You can choose to set the default priority of the message.

▶ **Message Subject:** You can enter the MMS Subject when this option is ON. You can switch between OFF to ON by touching the icon.

▶ **Validity Period:** This network service allows you to decide how long your multimedia messages will be stored at the message center.

▶ **Send Delivery Receipt:** Allows you to send a delivery confirmation mail for a Multimedia Message.

▶ **Send Read Receipt:** Allows you to send a message read confirmation mail for a Multimedia Message.

▶ **Download Options**

 - **Download Without Ask:** Allows Multimedia Messages to be downloaded automatically.

 - **Ask Always:** You can download a multimedia message manually.

 - **Discard:** Rejects download of the Multimedia Message.

▶ **Message Center:** The details for the Multimedia gateway are pre-loaded onto your handset and should not be changed.

Voicemail Number

This menu allows you to set the voicemail center number if this feature is supported by AT&T. Please check with AT&T for details of their service in order to configure the handset correctly.

Service Message

You can set the Service option to determine whether or not you will receive service messages.

Conversation view

Allows you to turn Collapse/Expand view On or Off.

Mobile Email

Mobile Email allows you to access your Yahoo! Mail, AOL Mail, AIM Mail, Windows Live Hotmail, AT&T Mail, Gmail and Other providers accounts on your phone. So, now you can quickly and easily check your email while you are away from your computer.

To Set Up Mobile Email

1. **Open Mobile Email:** From the standby screen, Touch , and touch .
2. **Select an Email Provider:** Touch the email provider you wish to use.
3. **Read and Accept the Terms of Use**
4. **Log In**
   1. Highlight the ID entry field, touch and then type in your existing email ID.
   2. Touch the Password field, to highlight it, and enter your password.

Quick Tip: Your password is case sensitive.

3. To save your password scroll down to Remember Me and press down on the select to check the box.
4. Select **Sign In**.

▶ **Opening an Email:** Just scroll down and press on the subject line to highlight the message you want to open, then press again to open the message. When the email is open, select **Options** to reply, forward or delete.

▶ **Deleting an Email:** Scroll down to the email you want to delete, touch the subject line to highlight it, press **Options**, and then **Delete**.

Instant Messaging

The Instant Messaging feature can only be used with the support of the network operator or communities such as AIM®, Windows Live™ and Yahoo!® Messenger. For Instant Messaging users, a valid User ID and Password will be required in order to login and exchange messages as well as checking the online status.

To access the IM feature

1. Touch ⦿ and touch 📷.

2. You can see available IM clients. The menu items below might not appear as not all IM communities support the various options. In addition, the menu strings may appear differently. This depends on the selected IM communities. The keywords such as User ID, Login and Contact will be used as general terms in IM menus according to the currently selected communities such as AIM®, Windows Live™ and Yahoo!® Messenger.

Offline Menu

Sign In

This allows users to login by filling in the User ID and Password.

🔶 Note
If the User ID and Password are saved, you will not be required to type them in again during the Login process. This feature is optional.

Saved Conversations

This is where a user can view saved conversations. Simply touch 🗐 and select **Saved Conversations**.

Settings/Preferences

▶ **Set Sound:** Allows you to turn sounds **On/Off**.

▶ **Network:** You may check your Network Profiles or Server Address information.

IM Information

This displays the Instant Messaging Client Information such as Client Name and Version Number.

Online Menu

After a successful Login, a list of contacts with Screen Names will appear on the screen. Note that you can touch and hold contacts on your Friends lists for additional options.

The following options may vary from provider to provider:

General Options

Touch ▤.
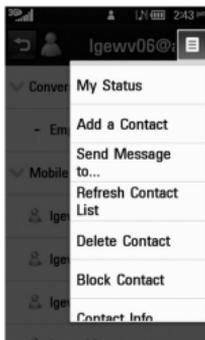
▶ **My Status:** Allows you to set your status to Available, Busy or Invisible.
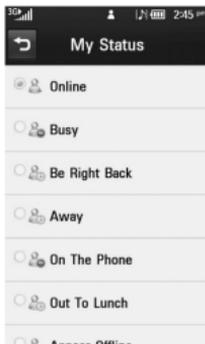
▶ **Add a Contact:** This adds a new contact to the selected contacts list; contacts are searched on the basis of Email Address. First Name or Last Name.

▶ **Send Message to:** Allows you to send a message to someone by inputting an email address or user name.

▶ **Block List:** Displays the list of all blocked Contacts.

▶ **Saved Conversations:** This is where a user can view saved conversations.

▶ **Settings:**

  - Display Name

  - My Status: Allows you to set your status to Available, Busy or Invisible (and more).

  - Offline Buddies

  - Set Sound: Allows you to turn on/off IM sounds.

  - Auto Sign In

Conversation Options

Touch and hold a conversation.

▶ **End Conversation:** This closes the selected conversation. If an unknown contact was selected, that contact is deleted.

▶ **Block/Unblock Contact:** This allows you to block/unblock the selected Conversations Contact.

▶ **Contact Info:** This allows you to view the User ID and Status Text information.

Contact List Options

Touch and hold the contact List.

▶ **Refresh Contact List:** This refreshes the current information on the contacts within the list.

Contact Options

Touch and hold a contact.
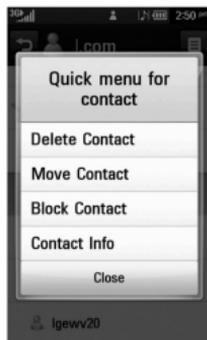
▶ **Delete Contact:** This deletes the selected Contact.

▶ **Move Contact:** Allows you to move a Contact to another Contact List.

▶ **Block/Unblock Contact:** This allows you to block/unblock the selected Contact.

▶ **Contact Info:** This allows you to view information. It provides User ID, Status Text.

Menu options available in the Conversation screen

▶ **Insert:** You can insert a Symbol, Template and emoticons in the conversation screen. This feature is accessed by pressing the left soft key.

▶ **Back to Contacts:** This brings the screen back to the contacts.

▶ **My Status:** Allows you to update your current status.

▶ **My Communities:** Displays the list of IM services.

▶ **Block/Unblock Contact:** This allows you to block/unblock a conversation with the selected Contact.

▶ **Add to Contact List:** Allows you to add the person you are currently having a conversation with to a Contact List.

▶ **Save Conversation:** Stores the currently active conversation.

▶ **End Conversation:** This ends the active conversation and clears the conversation buffer.

▶ **Settings:**

 - **Display Name**

 - **My Status:** Allows you to set your status to Available, Busy or Invisible.

 - **Offline Contacts**

 - **Set Sound:** Allows you to turn on/off an alert for the Contact when they have activity on their session.

 - **Auto Sign In**

▶ **Text Entry Settings:** Allows you to set the Text Entry Languages, Show/Hide Word Candidate List, set Next Word Prediction On/Off and access the T9Dictionary.

▶ **Minimize:** Minimizes the IM window and returns to standby mode.

▶ **Sign Out:** This begins the logout process.

❶ Note
- The maximum number of characters supported by a message is 800 characters, for receiving, and 127 characters for sending.
- The current information might not update in real time so the "Refresh List"/"Refresh Contact" option should be used for the most up to date status.

AT&T Social Net

Your AT&T mobile phone now keeps you connected to Facebook, MySpace and Twitter, plus the latest in news, sports, and entertainment. See new messages, posts, and status updates as soon as they happen, and respond and comment in real time. AT&T Social Net supports Facebook, MySpace and Twitter along with over 35 top feeds, including MTV News, The Onion, Perez Hilton, CNN and more.

Create Message

This option allows you to quickly and easily create a new message (SMS or MMS) without having to go through the Messaging menu.

Find

Mobile Web

Touch [icon], then touch [icon].

This browser connects you to the homepage, as set in the browser settings. The default account connects to AT&T's homepage.

Mobile Web is one of the services provided by AT&T and it gives you access to the internet and all the cool things you can do with your wireless phone.

⚠ Note

Check the availability of WAP services, pricing and tariffs with your network operator and/or the service provider whose service you wish to use. Service providers will also give you instructions on how to use their services.

Please contact your service provider to open an Internet account.

To exit the browser at any time, press the [icon] key.

Using the Browser Menu

Using the Browser Tool Bar

Back — ◀
Forward
Refresh/Stop
Zoom
Bookmark

▶ **Back** ◀ : Moves to the previous page.

▶ **Forward** ▶ : Moves to the next page.

▶ **Refresh/Stop** 🔁 : Loads the current page again. When a page is loading, press to stop loading the current page.

▶ **Bookmarks** ⭐ **:** Takes you to your Bookmark menu. Holding down this key will add the current page to your saved Bookmarks.

▶ **Zoom** 🔍 **:** Displays the Zoom bar to Zoom in and out while browsing.

Once you are connected to the Internet, the following menu options are available as buttons or through the Options menu ☰:

❶ Note
If you are browsing the Internet in Landscape mode, you can access the Options Menu by tapping any part of the browser screen that does not contain a link.

▶ **Home:** Moves to the initial homepage.

▶ **Windows:** Allows you to open a New Window. When you opened more than one window, you will see New window/Close Window/Next Window as sub menu.

▶ **EnterURL:** Allows you to enter a URL address.

▶ **Bookmarks:** You can add or save the current page to Bookmark or view the list saved under Bookmark.

▶ **View Full Screen/View Normal Screen:** Allows you to toggle the view between Full and Normal screen.

▶ **Search Text:** You can search the text what you want to find.

▶ **Add RSS Feed:** You will see this menu only when you access a site that has an available RSS Feed. Select this option to add an RSS Feed.

▶ **Recent Pages:** Allows you to glance a few of the most recent Internet pages you visited.

▶ **Send URL:** You can send URL to another User.

▶ **Settings:** Allows you to set options such as Full Screen View, Cache, Cookie and other Browser Settings.

▶ **Help:** Help for browser menu and options.

▶ **Exit:** Exit browser.

YPmobile

Touch [icon] , then touch [icon] .

Unleash the power of YPmobile local search on your mobile phone.

Find a business, get maps and directions, and save your favorites: our mobile app gives you what you need, whenever and wherever you need it.

▶ Search for local businesses.

▶ View ratings and call businesses.

▶ Save businesses for future access.

▶ Get maps and view step-by-step directions.

* For more information, refer to www.yellowpages.com

AT&T Navigator

Touch [icon] , then touch [icon] .

The AT&T Navigator application on your device uses GPS technology and access to your carrier's data network to provide you with driving directions and a host of other services, including:

▶ GPS navigation that gives you turn-by-turn directions to any destination address in the continental United States. If you miss a turn or get off-track, AT&T Navigator will calculate a new route for you. You can enter a destination address by using AT&T Navigator's automatic voice recognition system or by typing on the device's keypad.

▶ Audio and visual traffic alerts while driving or viewing maps, as well as traffic re-routing capabilities to minimize delays on your trip.

Find

▶ A Search feature that allows you to find businesses or points of interest near your current location, an airport, a waypoint, or any other entered address. You can read ratings and reviews for businesses and easily call the business that you have found to check on the availability of an item or to make a reservation. You can navigate to the business location now or save the address for later use.

▶ Maps of the area around your current location, around a marked waypoint, or around an address that you had previously entered. You can pan the map (adjust left, right, up, or down) and zoom in or out. You can also mark a point under the cursor as a waypoint.

▶ A compass-like indicator presenting your direction of travel, location, and speed.

▶ The ability to personalize your application preferences by selecting U.S. customary or metric distance units, the language for audible guidance, and so on.

You can also use many of AT&T Navigator's features on the TeleNav website, such as getting driving directions (Route Planning) and using the Search function to find businesses, churches, schools, and government offices. You can also use the TeleNav website to add an address to your My Favorites list, manage your My Favorites and Recent Places lists, and shop at the TeleNav Store.

❶ Note

For best GPS performance

• In order to improve GPS antenna sensitivity, do not cover the GPS antenna area of the device.

• Your GPS antenna sensitivity might be weakened if you are in a high-rise building, underground, or location surrounded by metal or concrete.

• Use near the window indoors for better GPS antenna sensitivity.

• For battery durability, please use vehicle power adapter in your car.

• It could take 2~3 minutes to get your GPS position depending on the condition of the environment or network.

Where

Touch 🔳 , then touch 🔲 .

WHERE® is a location based application that helps you find the people, places and things around you. Local information available includes weather, news, restaurant reviews, cheap gas, the ability to connect with other users, and more. WHERE also helps you get where you are going with maps and directions.

My Account

Touch 🔳 , then touch 🔲 .

Allows you to quickly and easily view your Account and Usage information.

AT&T GPS

Toque 🔳 , luego toque 🔲 .

You can find **AT&T Navigator**, **Shop GPS** and **Where** from here.

Wikimobile

Touch ▦, then touch Ⓦ.

Carry Wikipedia wherever you go, and you'll never be stumped again!

With WikiMobile, you gain access to millions of Wikipedia articles, including pictures and quick facts.

Bookmark your favorites for quick and easy tracking. Being a walking encyclopedia is now at your fingertips.

Shop GPS

Touch ▦, then touch ▦.

Connects to MEdia Mall and allows you to shop for other GPS applications.

Entertainment

AppCenter

To launch AppCenter while in the Standby screen, touch the Quick key ▦ , then touch ▦ .

Ringtones

This menu option connects to AT&T's ringtone download site.

❶ Note
  Additional charges may incur when downloading ringtones. Contact AT&T for additional information.

Games

This menu option connects to AT&T's game download site. This allows users to download the various games by connecting to the Internet.

❶ Note
  Additional charges may incur when downloading games. Contact AT&T for additional information.

Cool Tools/Apps

This menu option connects to AT&T's application download site. This allows users to download the various applications by connecting to the Internet.

❶ Note
  Additional charges may incur when downloading applications. Contact AT&T for additional information.

Videos

This menu option connects to AT&T's video download site.

❶ Note
  Additional charges may incur when downloading applications. Contact AT&T for additional information.

Color Graphics

This menu option connects to AT&T's graphics download site.

❶ Note
Additional charges may incur when downloading graphics. Contact AT&T for additional information.

Fun Packs

This allows you to connect to AT&T's Fun Packs download site.

❶ Note
Additional charges may incur when downloading Fun Pack contents. Contact AT&T for additional information.

Answer Tones

This connects to AT&T's Answer Tones service, allowing you to purchase and set up answer tones for incoming calls.

MEdia Net Home

This connects to AT&T's MEdia Net Home page.

TV

AT&T Mobile TV

The AT&T Mobile TV (Mobile TV) service allows you to watch an exciting lineup of live, simulcast or time-shifted full-length episodes of entertainment, news, sports, and kids' programming from some of the most popular networks. Options include CBS Mobile, CNBC, CNN Mobile Live, Comedy Central, Crackle, ESPN Mobile TV, FOX Mobile, FOX News, MSNBC, MTV, NBC 2Go, Nickelodeon.

Start watching your favorite programs immediately. The Program Guide is simple to use and navigate, allowing you to change from one channel to the next quickly and easily.

❶ Important
Programming and available networks are subject to change. Mobile TV services may require separate subscription and activation fees. Contact AT&T for details.

Getting Started

1. To launch TV from the Standby screen, touch [Menu icon], then touch 📺 .

Allow a few minutes for the application to launch when you start Mobile TV for the first time.

2. The first time you launch Mobile TV, the device plays an introductory video, and then you will see the Welcome screen, where you have the option to subscribe to the service.

3. If you select to **Subscribe now**, proceed to step 3 in the **Subscribing to AT&T Mobile TV** section (next).

4. If you select **Subscribe later**, the Mobile TV Player screen appears and you can sample the service by watching a promotional channel.
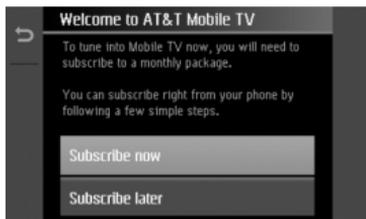
Subscribing to AT&T Mobile TV

You must be in an AT&T Mobile TV coverage area to subscribe.

1. Touch 📺 .

2. Touch **Subscribe Now**. The Review Base Package screen appears.

– or –

If you decide to **Subscribe Later**, you can access the Subscribe Now option each time you launch Mobile TV.

3. Review the basic package information and touch **Continue**. If premium content is available, the Select Premium Package screen appears allowing you to select additional packages. Select the premium package(s) you want to add to your base package and touch **Continue**. You can choose more than one premium package at a time. The Terms of Service screen appears.

4. If you agree to the Terms and Conditions, touch **Agree**. If you do not agree, touch **Disagree** and you are prompted to exit the subscription process.

5. Confirm your package subscription and touch **Submit**. Package costs are automatically added to your monthly bill.

6. Touch **Close** to return to the Mobile TV Player and to begin viewing content immediately.

7. Edit or cancel your subscription options by accessing the Subscription Manager from within the Program Guide Options menu.

Using the Mobile TV Player

<Mobile TV Player>
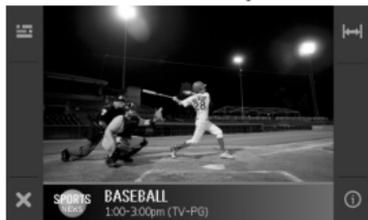
Image on screen is generic and may not be representative of available channels on the AT&T Mobile TV service.

Navigate the Mobile TV Player and Program Guide using swipes and touch keys. While watching a show, swiping up/down on the display changes the channel.

Other available Mobile TV Player options:

≣	Accesses and displays the Program Guide
✕	Exits Mobile TV
↤↦	Displays the program in full-screen mode
ⓘ	Displays information about current programs

❶ Note

When viewing a program, the touch icons and program information disappear after a few seconds. Simply tap anywhere on the screen for the icons to reappear.

While in the Mobile TV application, you will receive visual notifications for incoming calls or calendar/alarm events. For all other incoming alerts, you will receive an audible tone or the phone will vibrate.

Activating Full-screen mode

View Mobile TV programming using the entire video screen by touching [icon] after selecting a program.

From a current onscreen program, touch [icon] to resize the onscreen video window to fill the entire screen.

<Full-Screen Mode>

Sample screenshot of Full-screen mode

Tapping the screen displays the icons and program title information, and the video resizes to the default viewing size.

Using the Program Guide

The Program Guide lists all scheduled programs and their respective channel names, program titles, descriptions, and program times. Touch a current program title from within the Program Guide to launch that program. Touch a future program title from within the Program Guide to display program information. If you select a program on a channel that is not included in your subscription package, you can add that package immediately by touching Press here for subscription info and following the prompts.
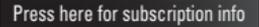
<Program Guide>

Channels displayed are generic and not representative of available channels on the AT&T Mobile TV service.

To navigate through the Program Guide, swipe up/down or left/right, or touch the following icons to navigate to other options.

⟲　Returns to the Mobile TV Player with the selected program still in progress

σ°　Launches the Options menu

Using the Options menu

Change your subscription, set parental controls, check for updates, and refresh your subscription by accessing the Options menu.

1. From the Program Guide screen, touch σ° .

2. Follow the onscreen options and make your selection by touching the corresponding onscreen icon. Options include: Subscription Manager, Mobile TV Parental Controls, Check for updates, Refresh subscription, and About.

Subscription Manager

The Subscription Manager allows you to edit or cancel your subscription, as well as view memory usage and terms of agreement.

1. From the Program Guide screen, touch σ° to launch the Options menu.

2. Touch Subscription manager to manage your subscription and configure available options.
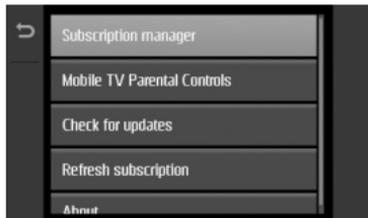
3. Touch [icon] to display available options.

4. Touch **an options menu** item to update settings.

Mobile TV parental controls

Mobile TV parental controls limit access to specific rated programs.

1. From the Program Guide screen, touch [icon] to launch the Options menu.

2. Touch **Mobile TV Parental Controls**.

3. Touch **Parental control on/off** and touch **On**.

4. Use the onscreen keypad to create a 4-digit PIN. This PIN is required to delete, modify, or add programming packages to your subscription.

5. Touch **OK**.

6. Reenter the 4-digit PIN, and touch **OK** to store the new PIN.

7. Touch **Parental control ratings**, and select the rating levels for TV, movies, and audio.

After settings are confirmed, the service assesses a program's rating before allowing it to be viewed. When a selected program exceeds the set rating, you are prompted to enter your PIN.

• Enter the correct PIN, and the program can be viewed.

• Enter the incorrect or no PIN, and the program will remain blocked.

Keep your PIN in a safe place, and do not share it with unauthorized parties. If you forget your PIN, contact AT&T customer service for assistance.

Checking for updates

1. From the Program Guide screen, touch
   [icon] to launch the Options menu.

2. Touch **Check for updates**. The system searches for updates to your Mobile TV service and automatically downloads any new software.

Refreshing a subscription

Refresh your subscription if you have more than one Mobile TV-enabled phone and you switch your SIM card between phones.

1. From the Program Guide screen, touch
   [icon] to launch the Options menu.

2. Touch **Refresh subscription**. The Mobile TV service checks your records to verify that you are receiving the correct package.

About

1. From the Program Guide screen, touch
   [icon] to launch the Options menu.

2. Touch **About** to display the current version of the Mobile TV service operating on your phone.

Want more?

For more information about AT&T Mobile TV, visit www.att.com/mobiletv.

Service not available everywhere. All programming subject to change. All sports programming subject to blackout restrictions.

Mobile Video

While on the Standby screen, touch [icon], then touch [icon].

Mobile Video brings you quick, on-demand access to news, sports, weather and entertainment video clips. Catch up on TV's hottest shows, funniest comedians, biggest headlines and latest sports scores. You can even personalize your homepage for quick access to your favorites. In addition, the CV service quickly displays localized weather information to your personalized "News & Weather" page each and every day.

AT&T Music

Music Player

To launch AT&T Music while in Standby mode, touch 📖 , touch 🎵 , then select **Music Player**.

❶ Note
Copyrights of music files may be protected by copyright and intellectual property laws. Please ensure that you adhere to the applicable Terms of Use of materials laws prior to downloading or copying files.

Playing Music

To listen to music in your phone or the external memory, follow these quick easy steps:

1. From the Standby screen, touch 📖 .

2. Then touch 🎵 .

3. Select Music Player to view your options. You can select from All Songs, Playlists, Artists, Albums, Genres and Favorite to select your Music. The Now Playing menu will be only available when music is playing.

▶ **All Songs:** You can view all the songs in your music library.

▶ **Playlists:** You can access and manage your playlists.

▶ **Artists:** Shows the list of artists of all the songs in your music library, and shows all the songs by a chosen artist.

▶ **Albums:** Shows the list of albums of all the songs in your music library, and shows all the songs on a chosen album.

▶ **Genres:** Shows the list of genres of all the songs in your music library, and shows all songs of a specific genre.

▶ **Favorite:** Shows the list of your favorite songs.

▶ Touch the song you wish to play.

▶ Touch 　**❚❚**　 to pause the selected song. While playing, touch 　**◀2**　 to adjust the volume. Touch 　**▶▶❙**　 and 　**❙◀◀**　 to skip to the next song or previous song.

▶ Touch 　**❚❚**　 to Minimize the music player and access other phone functions while music is playing.

▶ To change order of the User Playlist, choose **Option** and select **Change Order**. Touch and Hold the song you want and drag & drop it .

❶ Note
Files under 300KB may not be displayed in this function and may be categorized as Ringtones.

Adding Music To Your Handset

Music files can be added to your handset by using one or more of the following methods:

▶ Download music and ringtones over the AT&T network directly to your device via the **Shop Music** link in the AT&T Music menu or the **Ringtones** link in the AT&T AppCenter menu.

▶ From your existing digital media collection on your PC via Windows Media® Player and/or Windows Explorer.

▶ From your PC using other music subscription services, such as Napster or eMusic.

❶ Note

To play song from or transfer songs using an SD card, the SD card should have some empty space.

Up to 512MB card: require 3MB empty space

Up to 4GB card: require 6MB empty space

Up to 16GB card: require 20MB empty space

Purchasing and downloading Music directly to your Device

1. Touch ▦ then touch Entertainment tab.

2. Touch 🎵 .

3. Select **Shop Music**.

4. Navigate the **Shop Music** page to download today's hottest music, ringtones and other personalized content directly to your phone.

❶ Note

Some sites are data intensive (i.e. previews via streaming) so the user should be enrolled in an unlimited data plan before using these services to avoid per-use data charges.

❶ Note

Additional charges may apply when downloading music, ringtones etc.

Transferring Music using your PC

Before You Get Started

To transfer music from your PC to your device, you will need the following:

▶ Windows Media® Player 10 (or above) or other digital music management software such as Napster or eMusic

▶ A microSD™ card*
(supports up to 16GB cards)

▶ USB data cable*

* microSD™ card and USB data cable sold separately; go to att.com/wireless for details.

Note
This device is not compatible with iTunes and/or iTunes files.

Transferring Music from the Digital Music Service

1. Using your computer, open your preferred PC music management client.

2. Download the selected song to your library.

3. Make sure the microSD™ card is inserted properly into the handset.

4. Use the USB adapter cable to connect the handset to the PC. When prompted, touch **Music Sync** on your handset. If detection does not occur, see **Changing USB Connection Settings** on page 74.

5. Once the USB connection has been established, the handset displays "Connected as Music Sync Mode." and the computer screen then shows the LG Arena device.

6. Follow the Music Service instructions to transfer music to your handset.

Note
If you have a USB hub, connect the handset directly to your computer rather than through the hub.

Transferring Music using Windows Media Player

1. Open Windows Media® Player on your computer (version 10.0 or higher).

2. Use the USB adapter cable to connect the handset to the PC. When prompted, touch **Music Sync** on your handset. If detection does not occur, see **Changing USB Connection Settings** on page 74.

3. Complete the Device Setup procedure on the Windows Media® Player application. Then click on the Sync tab.

4. Drag and drop songs from your Library to the right (Sync) column.

❶ Note
If there are no items present in the playlist, click the Edit Playlist button and begin adding the music files from among the various media categories.

5. Click the **Start Sync** button to download the selected songs to your handset. A "synchronization in progress" message appears on the application. Do not unplug the handset during this process. Once complete, the progress bar will disappear.

6. It is now safe to unplug the USB connector from the handset.

Drag and Drop Music Using LG Arena As A Mass Storage Device

1. Make sure the microSD™ card is inserted properly into the headset.

2. Connect the device to a PC using a LG Arena USB data cable. When prompted, touch **Mass Storage** on your handset. If detection does not occur, see **Changing USB Connection Settings** on page 74.

3. A bubble may appear on the PC, "Found New Hardware LG USB Modem".

4. The Removable Disk menu will appear on your PC. Select 'Open folder to view files'.

❶ Note
The PC will automatically assign a drive letter.

5. Locate the AUDIO folder.

6. Drag and drop the desired music content (not restricted by DRM) from your music folder on the PC to the "Storage Card" window.

7. Disconnect the device from the cable.

8. Access the Music Player on the phone.

❶ Note
If the target computer does not detect the newly connected handset as Mass Storage, skip to Changing USB Connection Settings section below.

Changing USB Connection Settings

1. Touch 🔲 and touch the tab 🔅 .

2. Select **More**.

3. Select **Connection**.

4. Touch **USB Connection Mode**.

5. Touch Music Sync (if using Windows Media® Player or other Digital Music Services) or Mass Storage (if you are going to drag or drop files).

6. Reconnect the device to a PC.

Deleting Music Files

The following are the three options available to delete Music from your Phone:

• Delete a file using Mass Storage, but not using Music sync function.

• Delete a file by directly inserting the microSD™ external memory onto the PC.

• Delete a file using delete function on the phone.

⊕ Note
If you delete a playlist from the phone, the songs in the playlist will not be removed and remain in All songs folder.
It is recommended that you perform file operations like Delete, Move and Copy using Music Sync.

⊕ Note
Be aware that all of the existing data will be erased on microSD™ card if you:

• Use the Menu > Phone Settings> Reset Settings > Master Clear > Memory Card function.

• Format external memory using Mass Storage.

Additional Music Services

There are other AT&T music applications, preloaded or available, for your phone that allow you to:

▶ Identify the name, artist and album to a song from a song sample.

▶ Listen to the latest Hip Hop, R&B, Rock, Jazz, or Country streaming commercial-free radio channels, anywhere you go.

▶ View the latest music videos.

▶ View music news and information.

▶ Just touch [image] and touch [image] to find Shop Music, MusicID2 and more.

⊕ Note
Some sites are data intensive (i.e. previews via streaming) so the user should be enrolled in an unlimited data plan before using these services to avoid per-use data charges.

⊕ Note
Additional charges may apply for downloading content or use of these services.

Camera

Touch ▦ , then touch ● and select **Take Photo**.

Getting to know the viewfinder

Touch the screen once to see all camera settings.

Back: Touch here to return to the previous screen.

Camera mode: Camera mode is selected.

Image Size

Flash status

Album

Flash

Scene mode: Choose a scene mode.

Macro: Set to Macro for close-up shots.

Exposure

Settings: Touch this icon to open the settings menu. See the Settings section in page 78 for details.

Shot mode: Choose shot mode.

Image Size: Change the size of the photo.

Video camera mode: Switches to video camera mode.

❶ Note

The shortcut options disappear after a few seconds automatically.
To recall the options, touch the screen again.

Take Photo

Using the camera module built into your phone, you can take pictures of people or events while on the move. Additionally, you can send photos to other people in a picture message.

Press ⬜️ to go to camera mode directly. Or choose 🔘 from the main Menu (in the Entertainment row).
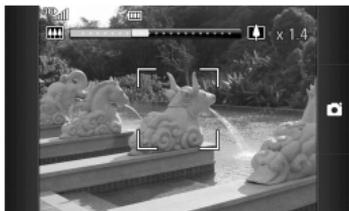
Adjusting the zoom

Just drag a zoom tool bar to 🔾 to zoom in and 🔳 to zoom out.

▶ **Image size:** Change the resolution of the photo to save memory space or to take an appropriately sized picture for a contact.

The resolution of the image can be captured in 5M(2560*1920) / 3M(2048*1536) / 2M(1600*1200) / 1M(1280*960) / VGA(640*480) / QVGA(320*240) / MMS(160*120) / Picture ID(110*110)

Shot mode

you can choose from 8 shot modes.

- Panorama Shot
- Normal
- ORIGINAL Art Shot
- Out-Focusing Shot
- Beauty shot
- Smile Shot
- Intelligent Shot
- Continuous Shot

Album

Touch to view a album of your saved photos.

Settings

▶ **View Mode:** Choose between Full Image and Full Screen.

▶ **Color Effects:** Includes options of None/Mono/Sepia/Negative/Blue/Emboss/Sketch/Purplish.

▶ **White Balance:** Set the White Balance as Auto/Daylight/Cloudy/Incandescent/Fluorescent.

▶ **ISO:** The ISO rating determines the sensitivity of the camera's light sensor. The higher the ISO, the more sensitive the camera will be. This is useful in darker conditions when you can not use the flash. Select an ISO value: **Auto**, **100**, **200**, **400** and **800**.

▶ **Image Quality:** Set the image quality as Super Fine/Fine/Normal.

▶ **GeoTagging:** Activate to use your phone's locationbased services. Take pictures wherever you are and tag them with the location. If you upload tagged pictures to a blog that supports Geo-tagging, you can see the pictures displayed on a map.

▶ **Timer:** Set the Timer can be set to Off/3 Seconds/5 Seconds/10 Seconds.

▶ **Video Share:** Allows you to select a contact, to initiate a Video Share call.

▶ **Primary Storage:** Allows you to set the default storage location for pictures taken.

▶ **Shake Reduction**

▶ **Auto Focus**

▶ **Shutter Tones:** Can be set to Tone 1/Tone 2/Tone 3/Off.

▶ **Reset Settings:** Allows you to set to the default settings.

❶ Note
In Take Photo mode, you can adjust the zoom scale by moving the slider.
The zoom scale depends on View Mode.

View Mode	Zoom Scale
Full Image Mode	1.0 ~ 2.0
Full Screen Mode	1.0 ~ 1.6

Using the flash

The default flash setting is off, but there are other options. Select from the right side of the viewfinder to enter the flash sub-menu.

There are four flash options:

▶ **On:** The camera will always flash.

▶ **Off:** The camera will never flash. This is useful if you want to save battery power.

▶ **Red-Eye Reduction:** The camera will flash multiple times (in dark conditions) to prevent having a red-eye photo.

▶ **Auto:** Your camera will assess the light available for a good picture and use the flash as necessary.

▶ When you touch the option you want, the flash menu will automatically close, allowing you to take a picture immediately.

▶ The flash status icon in the viewfinder will change, based on the new flash mode.

Scene mode

You can choose a scene mode from Auto, Beach, Sports, Portrait, Party, Landscape, Backlight and Night.

Macro

Choose Macro to take a close-up photo.

Brightness

Allows you to take brighter or darker pictures.

Slide the contrast indicator along the bar, towards - for a lower exposure, darker image or towards + for a higher, exposure, brighter image.

Once you've taken the photo

Your captured photo will appear on the screen. The image name is shown along with the following options:

[camera] Touch to take another photo immediately. Your current photo will be saved.

[bluetooth] Touch to send photo via Bluetooth. When you see the found devices, select one and it will send the photo.

[print] Touch to print via bluetooth.

[share] Touch to share your photo via Mobile Share.

[rename] Touch to rename the photo.

[gallery] Touch to view a gallery of your saved photos.

[message] Touch to send the photo as a message.

[wallpaper] Touch to use the photo as wallpaper or picture ID.

[edit] Touch to edit the photo.

[delete] Touch to delete the photo.

Pictures

To view the gallery of saved pictures, touch [grid], then touch [icon].

Video

To view the gallery of saved videos, touch [grid], then touch [icon].

Shop Video

Connects to the MEdia Mall Video service.

Record Video

When recording video, you have many of the same Settings options as with taking a photo. Tap the screen to view the following options:

Getting to know the viewfinder

Back: Touch here to return to the standby screen.

Video mode: Video mode is selected.

Video Size

Flash status

Album

Flash

White balance

Color Effect

Brightness

Progressive bar

Settings: Touch this icon to open the settings menu.

Duration: Allows you to set the video duration for different purposes.

Video Share: Allows you to select a Contact to initiate a Video Share Call.

Camera mode: Change from video camera to camera mode.

Shooting a quick video

1. From standby mode, press and hold down the camera key on the right side of the phone.

2. The video camera's viewfinder will appear on the screen. If the Camera is activated, touch the Video Mode icon to change to Video mode.

3. Holding the phone horizontally, point the lens towards the subject of the video.

4. Press the capture button once to start recording.

   REC will appear at the bottom of the viewfinder with a timer showing the length of the video.

5. Touch stop button on the screen to stop recording or pause button to pause the recording.

Adjusting the zoom

You can also zoom in or zoom out. Just drag a zoom tool bar to 🔳 to zoom in and 🔳 to zoom out.

Video Share

Allows you to select a contact, to initiate a Video Share call.

Duration

Use one of the recording duration presets, made for different purposes.
Normal/MMS/VSC Mode.

Settings

▶ **Video Size:** Allows you to select the video resolution. The resolutions available are: VGA(640*480) / QVGA(320*240) / MMS(176*144)

▶ **Night Mode:** This is useful to take a photo at dark place.

▶ **Video Quality:** Determines the quality of a video clip. Includes options for Super Fine/Fine/Normal.

▶ **Primary Storage:** Allows you to set the default storage location for videos.

▶ **Voice:** Mute or unmute the voice.

▶ **Recording Tones:** Set Recording Tones On or Off.

▶ **Reset Settings:** Allows you to set to the default settings.

❶ Note

In Video Record mode, you can adjust the zoom scale by moving the slider.
Zoom Scale will support from 1.1X to 2.0X.

Album

Touch to view a album of your saved videos.

Flash

The default flash setting is off, but there are other options. Select from the right side of the viewfinder to enter the flash sub-menu.

There are four flash options:

▶ **On:** The camera flash will remain on during recording.

▶ **Off:** The camera flash will remain off. This is useful if you want to save battery power.

White Balance

Set the White Balance as Auto/Daylight/ Cloudy/Incandescent /Fluorescent.

Color Effects

Includes options of Off/Mono/Sepia/ Negative/Blue/Emboss/Sketch/Purplish.

Brightness

Allows you to take brighter or darker videos. A low contrast image will appear darker, whereas a high contrast image will appear much brighter.

Slide the contrast indicator along the bar, towards - for a lower exposure, darker image or towards + for a higher, exposure, brighter image.

Options after Recording

Touch to return to the view finder.

Touch to send the video as a message.

Touch to send video via Bluetooth. When you see the found devices, select one and it will send the video.

Touch to rename the video.

Touch to shoot another video immediately. Your current video will be saved.

Touch to play the video.

Touch to view the saved videos and pictures gallery.

Touch to delete the video.

Camera Album

You can view the Album containing your Pictures and Videos. Touch 🔡 , 🔘 , and then select **Camera Album**.

To view the available options, touch ![down arrow icon]. To scroll to the other options, touch ➕ .

🔡 Sort by

✉ Send via

🖨 Print

🖼 Slide Show

🗑 Delete

⭐ Favorite

🖼 Album theme

🔲 One by one

🗑 Delete All

Games

Access Games on your device or Browse the catalog of games available to buy and download new ones.

To launch Games while in the Standby screen, touch 🔡 , then touch 🎮 . Preloaded and downloaded games will be listed in this menu.

▶ **Shop Games:** This menu option connects to AT&T's game download site.

❶ Note
The JAR file is a compressed format of the Java program and the JAD file is a description file that includes all detailed information. From the network, prior to download, you can view all detailed file descriptions from the JAD file.

❶ Warning
Only J2ME (Java 2 Micro Edition) based programs will run in a phone environment. J2SE (Java 2 Standard Edition) based programs will only run in a PC environment.

Tools & Settings

My Stuff

Your personal files and documents are conveniently placed in one easy-to-access location. Touch ▦ and choose ▭.

Audio

▸ **Shop Tones:** This menu option connects to AT&T's ringtone download site.

▸ **Ringback Tones:** This menu option shows the list of the sites which is related with AT&T's answer tone.

▸ **Record Voice:** You can record your own audio by touching `●Record New Audio`.

▸ Files saved on your phone are listed in this menu.

Pictures

▸ **Shop Wallpapers:** Connects to AT&T's Wallpapers download site.

▸ **Take Picture:** Starts the camera function.

▸ **Make Animated GIF:** You can create an animated GIF file with selected images in the list.

▸ Pictures saved on your phone are listed in this menu.

Video

▸ **Shop Video:** Connects to AT&T's Video download site.

▸ **Record Video:** Starts the Video camera function.

▸ Videos saved on your phone are listed in this menu.

❶ Note

DRM sometimes restricts some functions, such as send and edit.
Some files may not be played according to video format, resolution, frame, bit rate.

Web Pages

Touch 📱, choose 🗔, then choose **Web Pages**.

RSS Reader

With this function, you can access your RSS feeds. The following options are available with the 🗏 menu.

▶ **Update all:** You can update RSS feeds with just one click.

▶ **New RSS Feed:** You can add an RSS feed manually.

▶ **Move:** Move a RSS feed to another folder (which you can create manually).

▶ **Delete:** Allows you to erase a selected RSS feed.

▶ **New Folder:** Add a new folder manually.

▶ **Update Schedule:** You can change the schedule for updating RSS feeds.

▶ **Delete All:** Delete all RSS feed.

Bookmarks

This function allows you to access saved Bookmarks.
The following options are available with the 🗏 menu.

▶ **New Bookmark:** Add a new bookmark manually.

▶ **Move:** Allows you to move a Bookmark to a folder (which you can create manually).

▶ **Send URL:** Allows the bookmark information to be sent via SMS to another person.

▶ **New Folder:** Allows you to add a new folder, manually.

▶ **List View:** You can view the saved Bookmarks as a list.
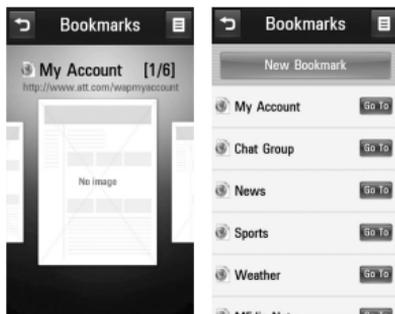
< Graphical View >   <List View>

▶ **Delete All:** Allows you to delete all your saved Bookmarks.

❶ **Note**
Pre-installed bookmarks cannot be deleted or edited by users.

Saved Pages

This saves the page on display as an offline file. Keep in mind that only a limited number of pages can be saved.

Recent Pages

You can view some of the pages recently visited.

Other Files

This menu allows you to check files which may not be supported but are saved on the Phone or Memory card.

File Manager

You can check files or folders which Phone or Memory card support.

Applications

To launch Applications while in the Standby screen, touch [icon], then touch [icon].

This menu displays the list installed applications. All previously downloaded programs can be selected, deleted or viewed in detail within the Application menu.

Shop Applications

This menu option connects to AT&T's application download site. This allows users to download the various applications by connecting to the Internet.

Mobile Banking

This application provides easy access to your banking account from your phone where you can view your account balances and history, transfer funds, receive and pay bills and more.

If your banking institution doesn't currently participate, check back frequently as new banks are joining all the time.

Bluetooth Settings

Touch 🎛️, and then touch 🔷.

Your phone has built-in Bluetooth® wireless technology, which makes it possible for you to connect your phone wirelessly to other Bluetooth® devices such as a hands-free device, PC, PDA, or other phones. The devices registered in your phone can only be connected one at a time. (To establish an active connection to the same type of device or change Bluetooth® preferences, disconnect the existing device first.)

You can have a conversation via a cordless Bluetooth® hands-free phone.

You can also exchange, for example, business cards, calendar items and pictures.

Music Playing is supported through a Bluetooth® headset.

Annunciator Bar Icons

Hands-free profile
This icon appears when the hands-free profile is used. This allows you to call using a Bluetooth® connection.

A2DP profile
This icon appears when the A2DP profile is used between the stereo headset device and the phone. This allows you to listen to music. A2DP is the Advanced Audio Distribution Profile, which provides support for streaming either mono or stereo audio using Bluetooth®.

Hands-free + A2DP profile
This icon appears when both profiles of the hands-free and the A2DP are used between the compatible device and the phone. This allows you to call and listen to music using a Bluetooth® connection.

When using a Bluetooth® device, refer to the manual that comes with the device.

❶ Note
We recommend that your phone and the Bluetooth® device you are communicating with should be no more than 10 meters apart. The connection may be improved if there are no solid objects between your phone and the other Bluetooth® device.

Bluetooth Menu Options

▶ **Bluetooth®:** This menu sets the Bluetooth® ON or OFF .

▶ **My Visibility**

- Selecting the ON option exposes your phone to other Bluetooth® devices.

- Selecting OFF shows your phone to already-paired devices only.

▶ **Search New Device:** This function allows you to search for and add new devices.

▶ **My Devices:** This function allows you to view the list of all devices that are paired with your phone.

  1. Touch [New Device] to search for a within-range device to connect.

  2. If you want to stop searching, touch [Stop] .

  3. All of the devices found are displayed.
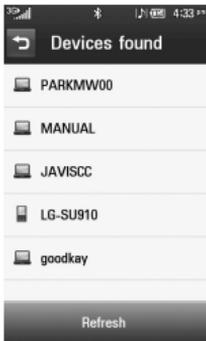
To pair, touch the desired device and enter the password. If you would like to search again, touch [Refresh] .

▶ **My Bluetooth® Info:** This menu allows you to view information about your Bluetooth profile.

  - My Device Name: Allows you to change the handset's name, this can be seen by other Bluetooth® devices.

  - Supported Services: Shows you all services that the handset supports.

  - Primary Storage: Select between Handset and Memory Card to save data you received using Bluetooth.

Phone Settings

Touch [icon], then touch [icon].

Call Settings

Touch [icon] and touch [icon], then choose **Call**.

Call Forwarding

When this network service is activated, you can direct your incoming calls to another number, for example, to your voice mailbox number. For details, contact AT&T. Select one of the forwarding options, for example, select **If Busy** to divert voice calls when your number is busy or when you reject an incoming call.

The following options are available:

▶ **All Voice Calls:** Diverts voice calls unconditionally.

▶ **If Busy:** Diverts voice calls when the phone is in use.

▶ **If No Answer:** Diverts voice calls which you do not answer.

▶ **If Out of Reach:** Diverts voice calls when the phone is switched off or out of coverage.

▶ **All Fax Calls:** Diverts all fax calls.

▶ **Deactivate All:** Turns Off all call forwarding options so that all incoming calls are received by your handset.

Send My Number

This network service allows you to set your phone number to be displayed **On** or hidden **Off** from the person you are calling. You can select **Set by Network** if you prefer to have the network set your setting.

Auto Redial

Select On, your phone redials the number you're trying to call up to 10 times after you hear a quick, busy signal. Press ☎ to stop the call attempts.

This feature attempts to redial numbers that are engaged due to the wireless network. It does not redial numbers to an engaged party.

❶ Note

There will be no notification indicating the call has been connected. You must stay on the line to hear when the call is connected.

Answer Mode

This allows you to determine how to answer the phone.

▶ **Any Key:** You can answer an incoming call by touching the ☎, the ▭ multi tasking key or the ▭ camera key.

▶ **Send Key Only:** You can only answer an incoming call by pressing the ☎ key.

Minute Minder

This option allows you to specify whether the phone will beep every minute during a call to keep you informed of the length of the call.

Call Waiting

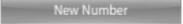The network will notify you of a new incoming call while you have a call in progress. Select Activate to request the network to activate call waiting, or select Deactivate to request the network to deactivate call waiting or View Status, to check if the function is active or not.

Call Reject

This menu allows you to turn On or Off Call Reject for all numbers or the numbers in the Call Reject List.

▶ **Call Reject On/Off:** This feature allows you to choose whether to reject incoming calls, or calls from specific phone numbers. When the **Reject All Calls** option is set, all incoming calls are routed directly to Voicemail. **Reject on List** allows you to enable Call Reject for the numbers saved on your Call Reject List.

▶ **Call Reject List:** After touching New Number, you can add to the call reject list by selecting [**Contact List**] or [**New Number**]. When you add a number to the Call Reject list, you can add the number by entering it directly or by searching for the number in the Contact List.

Send DTMF Tones

Select from ON / OFF.

TTY

Select from TTY Full/TTY Talk/TTY Hear/TTY Off.

TTY Full: This is for calls in which you type and read text on your TTY device.

TTY Talk: This is for calls in which you speak into your phone and read text replies on your TTY device. (VCO)

TTY Hear: This is for calls in which you type text on your TTY device and listen to voice replies on your phone's speaker. (HCO)

TTY Off: This is for normal voice calls without TTY device.

Time & Cost

You can check Call Duration and Data Counter.

Date & Time

Touch [icon], and choose [icon] then choose **Data & Time**.

▶ **Auto Update:** Select ON to set the phone to automatically update the time and date according to the current local time zone.

▶ **Date Format:** This allows you to set the Date Format for the phone clock.
ddd, MMM DD (day, month date)
MM/DD/YYYY (month/date/year)
DD/MM/YYYY (date/month/year)
YYYY/MM/DD (year/month/date)

▶ **Time Format:** This allows you to choose between 12 hour and 24 hour format.

If you set Auto Update to Off, you will need to manually set the Date, Time and Daylight Saving Time options.

Touch

Touch [icon], touch [icon] then choose **Touch**.

You can customize the Touch settings and change Touchscreen Feedback preferences.

You can choose Vibration type and adjust its intensity. When you set Sound as Touchscreen Feedback type, you can choose sound type and adjust its volume.

▶ **Touch Screen Feedback:** Choose feedback type of when you touch the screen.

▶ **Vibration:** Change the vibration On/Off.

▶ **Vibration Type:** Vibration 1/2/3/4.

▶ **Vibration Intensity:** Controls the strength of vibration.

▶ **Sound:** Turn on or off the sound.

Languages

You can change the language for the display text on your phone. This change will also affect the Language Input mode. Touch `▦`, touch `⚙` and select **Languages**.

Auto Key Lock

This allows you to set the amount of time before your screen locks automatically. Touch `▦`, touch `⚙` and select **Auto Key Lock**.

Set Flight Mode

This allows you to use only the phone's features that do not require the use of the wireless network when you are in an airplane or in places where the wireless network is prohibited. If you set the flight mode `ON`, you will be prompted to confirm your selection. After you confirm it by touching `Yes` the Flight mode icon will be displayed on the screen instead of the network signal icon.

Phone

Unable to call as well as any online access during Flight Mode On. Continue?

Yes   No

Reset Settings

▶ `ON` : You cannot make (or receive) any calls, including emergency calls or use other features that require network coverage.

▶ `OFF` : Deactivates Flight Mode and re-establishes your wireless connections.

Security

Various codes and passwords are used to protect the features and settings of your phone. They are described in the following sections.

▶**Phone lock:** You can use a security code to avoid unauthorized use of the phone. If you set phone lock to **When Power On**, the phone will request a security code whenever you switch the phone on. If you set the phone lock to **When SIM Changed**, your phone will request a security code only when you change your SIM Card. If you set the phone lock to **Lock Phone Now**, your phone will lock immediately.

▶**PIN Code Request:** When the PIN code request feature is set to `ON`, you must enter your PIN each time you switch the phone on. Consequently, any person who does not have your PIN cannot use your phone without your approval. Be sure to already know your PIN code before activating.

▶ `ON` **:** You must enter the PIN each time the phone is switched on.

▶ `OFF` **:** The phone connects directly to the network when you switch it on.

❶ **Note**
Before setting the PIN code request feature to Off, you must enter your PIN.
The following options are available:

▶**Fixed Dial Number:** This allows you to restrict your outgoing calls to selected phone numbers, if this function is supported by your SIM Card. The PIN2 code is required.

• **FDN On/Off**

  - `ON` : You can only call phone numbers stored in the FDN List. You must enter your PIN2.

  - `OFF` : You can call any number.

• **FDN List:** You can enter new FDN entry.

 Note

Not all SIM Cards have a PIN2. If your SIM Card does not, this menu option is not displayed.

▶ **Change Codes:** The Change codes feature allows you to change your current PIN and lock codes to new ones. You must enter the current password before you can specify a new one. You can change the access codes for: **Security Code, PIN1, PIN2**

Reset Settings

This function allows you to restore factory settings. To do this, you need the security code.

▶ **Master Reset:** Restores the settings (e.g.: Audio, Display, Language, Date & Time, Bluetooth® Settings) on the handset memory to default values.

▶ **Master Clear:** Deletes downloaded/user created contents (e.g.: images, videos) from Handset content and the External Memory card.

• **Phone**

   - Deletes all downloaded/user created Images, Videos & Sounds from the Handset Memory.

   - Deletes Personal Information stored in the handset memory (e.g.: address book, messages, tasks, alarm, Calendar schedules) to default values.

   - Restores the settings stored in the handset memory to the default values.

• **Memory Card:** Deletes all contents from the External Memory Card.

More

Touch 🎛 , and choose 🔅 then choose **More**.

Connection

USB Connection Mode

The USB Connection Mode determines how your Phone will communicate with other USB devices when they are connected with a USB cable.

Internet Profiles

This menu shows the Internet Profiles. You can add, delete and edit Internet Profiles by using the 🗐 Menu. However, you cannot delete or edit default configurations provided by AT&T.

Access Points

This menu shows the Access Points. You can register, delete and edit by using the 🗐 Menu. However, you cannot delete or edit default configurations provided by AT&T.

Start Up Guide

This menu will start the animated guide. This guide will help you, using animated visuals, quickly learn some of the functions of your LG Arena.

Memory

Set Storage Defaults

You can set Storage default for each case. When you need to save files from Camera, Internet Download, Bluetooth and Voice Recorder, set Phone Memory or Memory card. You can set each case separately or choose All and set the Storage Default all the same.

Used Space

This function shows the status of the user memory of the handset.

▶ **Phone Common:** This will display the memory currently used up in your phone and will categorize it by types of files using the memory.

▶ **Memory Card:** If your phone has a multimedia memory card in the card slot, you can save images, sounds and videos on the memory card. You can check the current status of the external memory card in the Memory status menu.

▶ **Phone Reserved:** This shows the status of the reserved memory for the user (Text Message, Contacts, Calendar, Tasks and Notepad).

▶ **SIM Card:** This shows the status of the SIM Card user memory.

Application Settings

This Menu allows you to adjust the settings to the following features on the phone:

Video Share

▶ **Audio Alert:** Enable/Disable audio alert when Video Share is available.

▶ **Auto Record:** Enable/Disable automatic recording of live Video Share.

Messaging

For more information regarding Message Settings, please refer to page 45.

Browser

This menu allows you to customize your Browsing experience by giving you the option of changing the following settings:

Accounts

This includes the network information used to connect the browser to the Internet. Select the desired account by tapping the screen. This will activate the account that will be used for future connections. MEdia Net is the predefined account that is set as default.

The following options will be available when you touch :

▶ **New Account**

▶ **Delete:** Allows you to delete the account.

▶ **Reset All**

❶ Note
You cannot edit and delete pre-installed accounts. In order to create a new account, please fill in the following account information.

1. Account Name: Name associated with new account.

2. Homepage: Homepage URL.

3. Internet Profile: You can choose one from the Internet profiles.

❶ Note
1. AT&T has provided default settings regarding account information.

2. Creating or editing an account requires caution. The browser cannot connect to the Internet if the account information is incorrect.

Appearance

You can choose the settings of the browser appearance (Text size, Character Encoding, Show Image, Java Script).

Cache

Information about the web pages you have accessed is stored in the memory of the phone.

▶ **Clear Cache:** Remove all cached data in the memory.

▶ **Allow Cache**

 Note

A cache is a buffer memory, which is used to store data temporarily, especially when it is online.

Cookies

The information of services you have accessed are stored in what is called a Cookie.

▶ **Delete Cookie**

▶ **Allow Cookies**

Clear Login Info

Rendering Mode

You can set the Rendering mode to **Standard** or **Text Only**.

Security

Allows you to access your security certificates.

▶ **Certificates:** You can see the list of certificates and view them in detail.

▶ **Clear Session:** Removes the secure session.

Secure Pop-up

You can enable/disable the pop-up which indicates whether a page is secure or not.

Voice Command

• **Mode**

 - **Speed:** voice command prompts are abbreviated

 - **Normal:** voice command prompts are played normally

• **Best match**

  - **1 Match:** the most likely match will be displayed when using the "Call" function.

  - **4 Matches:** the four most likely matched names will be displayed when using the "Call" function.

• **Sensitivity**

  - **High:** Operation and performance of the voice recognition engine is rarely affected by the user's voice command and surrounding sound.

  - **Medium:** Operation of voice recognition engine is normally affected by user's voice command and surrounding sound.

  - **Low:** Operation of voice recognition engine is strongly affected by user's voice command and surrounding sound.

• **Speakerphone Mode**

  - **Automatic On:** When this option is selected, Voice Command prompts are announced through the Speakerphone.

  - **Off:** When this option is selected, sound is quieter, and can only be heard through the Earpiece.

• **Call Alert**

  - **Ring only:** The phone only rings when you receive a call.

  - **Ring After Name:** The phone announces the name or number an the incoming call (or message) once and then rings. Does not function if phone is set to Vibrate or Silence modes.

  - **Name Repeat:** The phone announces the name or number an the incoming call (or message) repeatedly.

Software Update

If new software exists, the AT&T server notifies devices using a WAP push message.

Also the user can check for the software update using the menu "Check for Update". If the new software does not exist the user can not use this feature in 24 hours.

Before updating new software after downloading it from the AT&T server, users can decide whether they would like to postpone the operation. When the time is up, users are prompted again or users can resume the postponed operation using this menu at any time.

The software update can only be postponed three times and will automatically start after the third postpone period expires.

Phone Information

This menu is used to view My Numbers, Manufacturer, Model Name, Device ID, Hardware Version, Software Version, Language and DM Client Version.

DivX Mobile DIVX

ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified device that plays DivX video. Visit www.divx.com for more information and software tools to convert your files into DivX video.

ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play DivX Video-on-Demand (VOD) content.
To generate the registration code, locate the DivX VOD section in the device setup menu. Go to vod.divx. com with this code to complete the registration process and learn more about DivX VOD.

DivX Certified to play DivX® video up to 320x240

Pat. 7,295,673

Sound Settings

Touch ⊞, and then choose ◉.

Shop Tones

Connects to AT&T Ringtone Shops.

Ringtone

▶ **Sounds:** Shows and plays ring tones. You can select your preferred Ringtone by touching the ringtone listed.

▶ **Volume:** Allows you to set the volume level for ringtone.

▶ **Alert Type:** The phone supports 3 ring alert types. Ring, Ring & Vibrate and Ring after Vibration.

▶ **Increasing Ringtone:** Allows you to select Increasing Ringtone to be played when you receive an incoming call. You can elect to turn this ON and OFF.

Message Tone

▶ **Sounds:** Shows and plays message tones. You can select your preferred Message Tone by touching the ringtone listed.

▶ **Volume:** Allows you to set the volume level for message tone.

▶ **Alert Type:** Supports 6 message alert types: Ring Once, Ring Every 2 Min., Ring Every 15 Min., Ring & Vibrate, Vibrate and Silent.

❶ Note
Full length music tracks cannot be set as either ringtones or message tones.

Alert Tone

▶ **Sounds:** Allows you to select a set of alert tones. Supports 3 alert tone types, Alert Tone 1, Alert Tone 2 and Alert Tone 3.

▶ **Volume:** You can control volume level for alert tone.

▶ **Alert Type:** You can elect to turn Alert Tones to Ring or Silent.

Keypad Tone

You can set a tone for the Power key, Multitasking key and Camera side keys.

Multimedia

You can control volume level for multimedia applications.

Call

You can control volume level for voice when you make or receive a call.

Power On/Off Tones

You can elect to turn Power On/Off Tones to **Ring** or **Silent**.

Display Settings

Touch 🔡, and then choose 🔳.

Shop Wallpapers

Connects to AT&T's graphics download site.

Wallpapers

From this menu you can select to have a picture or color for a background or no background at all.

Screen Images

From this menu you can set the background colors for the Homescreens.

Home Screen

From this menu you can select the main Homescreen.

Menu Styles

From this menu you can select Menu style (ex: Zigzag, Tab).

Fonts

You can configure the font size and color of the numbers which appear in the Dialing screen when you make a call. And you can select the Menu & Lists size.

Auto-Brightness

From this menu you can select Auto-Brightness "On" or "Off". When set to On, the phone automatically adjusts brightness depending on surrounding light levels.

Backlight Timer

Use this to set the duration of the touch screen backlight.

Tools

From the Standby screen, touch [icon], and then choose [icon].
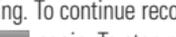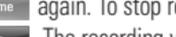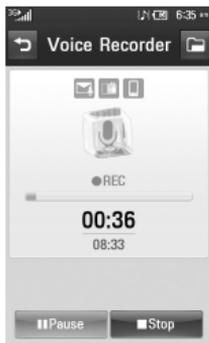
Voice Recorder

Use the Voice Recorder to record voice memos or other sounds.

▶ **Settings**

- **Record Mode:** MMS record mode shortens the time so that the recording can fit in an MMS and General mode provides longer recording time.

- **Quality:** Set the audio's quality to Fine , Normal or Economy .

▶ Touch `●Record New Audio` to start recording. Touch `❙❙Pause` to pause recording. To continue recording, touch `●Resume` again. To stop recording, touch `■Stop`. The recording will be saved automatically.

▶ To play the recording, touch `▶ Play`.

To send the recording by Message or Bluetooth, touch `Send via message` `Send via Bluetooth`. To delete the recording, touch `Delete` and confirm **Yes**.

Voice Command

Voice command is the function whereby your phone's voice recognition engine identifies the voice of the user and carries out the requested commands. When the user operates the voice command function, there are five main command types, call <name or number>, Listen to voicemail, missed calls, messages and time and date.

1. Call <Name or Number>: This function is activated only when the user says the command "Call" followed by the name stored in the Address Book or specified phone number. The voice engine inside the handset recognizes the user's utterance and displays name lists or phone numbers from the phone's Address Book. However, interfering noise might cause problems recognizing your voice. Additionally, the user has the option to speak a number type at the end, such as "mobile", "home" or "office" in case the Contact has more than one phone number.

2. Listen Voicemail: this command is activated when the user says the words "Listen Voicemail". The user will then be automatically connected to voicemail.

3. Missed Calls: this command is activated when the user says the words "Missed Calls". The mobile phone displays and reads out missed call information.

• **Follow-up commands available**

   - **yes:** to return the call
   - **no:** moves to the next missed call
   - **next:** moves to the next missed call
   - **cancel:** returns to the main voice command menu
   - **exit:** terminates voice command

4. Messages: this command is activated when the user says the word "Messages". The phone displays and reads out details of unread SMS or MMS messages.

• **Follow-up commands available**

   - **yes:** make the phone call
   - **no:** moves to the next unread message
   - **next:** moves to the next unread message
   - **cancel:** returns to the main voice command menu
   - **exit:** terminates voice command

5. Time & Date: this command is activated when the user says the words "time and date". The phone displays the current time and date.

The Voice Command function also has options accessible by pressing 🗐 when in the Voice Command screen. They are:

• **Mode**

   - **Speed:** voice command prompts are abbreviated
   - **Normal:** voice command prompts are played normally

- **Best match**

   - **1 Match:** the most likely match will be displayed when using the "Call" function.

   - **4 Matches:** the four most likely matched names will be displayed when using the "Call" function.

- **Sensitivity**

   - **High:** Operation and performance of the voice recognition engine is rarely affected by the user's voice command and surrounding sound.

   - **Medium:** Operation of voice recognition engine is normally affected by user's voice command and surrounding sound.

   - **Low:** Operation of voice recognition engine is strongly affected by user's voice command and surrounding sound.

- **Speakerphone Mode**

   - **Automatic On:** When this option is selected, Voice Command prompts are announced through the Speakerphone.

   - **Off:** When this option is selected, sound is quieter, and can only be heard through the Earpiece.

- **Call Alert**

   - **Ring only:** The phone only rings when you receive a call.

   - **Ring After Name:** The phone announces the name or number an the incoming call (or message) once and then rings. Does not function if phone is set to Vibrate or Silence modes.

   - **Name Repeat:** The phone announces the name or number an the incoming call (or message) repeatedly.

Calendar

When you enter this menu, a calendar will be displayed. The bottom bar on the calendar indicates schedule(s) for that day. This function helps to remind you of the schedule. The phone will sound an alarm tone if it has been set for a specific schedule item.

The following options are available when you open the Calendar function and touch the ☰ menu.

▶ **New Schedule:** Allows you to add a new schedule on the date you select.

▶ **Search:** Allows you to search the saved schedule(s).

▶ **Set Holiday:** Allows you to set your personal holiday for the selected date.

▶ **View All:** Allows you to view all saved schedules.

▶ **Week View:** Allows you to change Calendar view mode from Monthly View to Week View.

▶ **Go to Date:** Allows you to jump to a specific date.

▶ **Selective Delete:** Allows you to delete Old Schedules or All Schedules selectively.

▶ **Settings:** Allows you set Default View and Weekly Begin day.

Notepad

You can create up to a maximum of 30 memos.

To create a new Note, touch **New Note**, input the memo and touch ▐ Save ▐ to save.

Calculator

The calculator function allows you to add, subtract, multiply and divide. You can input numbers and operators using the touch key pad.

Use the ▐ c ▐ touch key to delete numbers.

World Clock

The World clock function provides time information for major cities worldwide.

❶ Note

The first time you use this function, you will be asked to enter the name of your current City.

1. To add a new City from where you can see the local time, touch **New City**.

2. Touch the City in the search box. A list of available cities (in different time zones) will display.

3. Touch a city to select it.

4. Touch **Edit city name** to change the name (if necessary).

5. Touch **Save**.

▶ To make it easier, touch 🌐, after Step 1, and It will show the Globe. Touch the continent and zoom in to choose a city.

Tasks

This feature allows you to save and manage tasks.

1. Touch [New Task].

2. Touch **Due Date**, **Note** and **Priority** to enter data for the new Task.

3. Touch [Save] to save the Task item.

The following options are available by pressing 🗐 in the main Tasks menu:

▶ **New Task:** Allows you to create a new task.

▶ **Select Multiple**

  - **Delete:** Opens the menu from where you can select Tasks to delete.

  - **Send Task Via:** Enables the selected task(s) to be sent via Text Message/ Multimedia Message/Bluetooth®.

▶ **Sort By**

  - **Date**

  - **Complete**

  - **Priority**

▶ **View Calendar:** The calendar window will display, from there you will be able to create New Tasks.

Stopwatch

This menu allows you to record the elapsed time of an event. The duration of an individual lap time (up to 20 times) and the total time can also be displayed.

▶ **New Time**

  1. To start timing, touch [Start]. The running time is displayed as HH.MM.SS.hh (hours, minutes, seconds, hundredths of a second).

  2. During the timing, you can record an individual lap time by touching [Lap]. Up to 20 lap times can be recorded.

3. You can stop timing by touching `Stop` or restart by touching `Start`. You can also save the time by touching `☰`, then selecting **Save**.

4. To reset the stop watch, touch `Reset`.

▶ **Saved Times:** You can see the saved recorded times.

Tip Calculator

This feature allows you to quickly and easily calculate the tip amount based on the total bill as well as the split of the total bill based on the number of people.

Unit Converter

This function converts any measurement into a unit you want.

There are 7 types of units that can be converted: Area, Length, Weight, Temperature, Volume, Velocity and Currency.

To input decimal number, touch `▪▪`.

Alarm Clock

Touch `▦`, then touch `⏰`.

New alarm

The alarm function allows you to set up multiple separate alarms. You can also set the time, repetition interval and alarm sound. Select your desired alarm setting to configure from the alarm list. If there is no alarm setting, `New Alarm`.

▶ **Time:** Select **Set Time** to quickly and easily set an alarm. Or you can set the time yourself by touching the 2nd field. Set the alarm time and be sure to select `AM` or `PM`.

▶ **Repeat:** Select the desired repeat mode using the select.

▶ **Alarm Tone:** Select the alarm sound to use for the alarm.

▶ **Memo:** Input alarm name.

▶ **Snooze Interval:** You can set the
snooze interval at 5 Minutes, 15 Minutes,
30 Minutes, 45 Minutes or 1 Hour.
Now, touch [Save] to save your
new Alarm.

Quick alarm

In the Alarm Clock menu, touch [Quick Alarm] to
set a **Quick Alarm**.

1. Drag the Clock hands can be set to the
time, 59 minutes is maximum set value.

2. Drag the screen up to reveal the options
AlarmTone, Memo and Snooze.

3. Touch [Save] to save.

115

Q&A
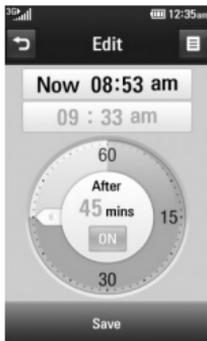
Please check to see if any problems you have encountered with the phone are described in this section before taking the phone in for a service or calling a service engineer.

Q How do I view the list of outgoing calls, incoming calls and missed calls?
A Press the 📞 key.

Q Why is the connection inconsistent or not audible in certain areas?
A When the frequency environment is unstable in a certain area, connection may be inconsistent and inaudible. Relocate to another area and try again.

Q Why is the connection inconsistent or abruptly disconnects even when established?
A When frequency is unstable or weak, or if there are too many users, a connection may be cut off even after it was established. Please try again later or attempt again after relocating to other areas.

Q Why won't the LCD turn on?
A Remove the battery, then replace it. Then turn on the power. If there is no change, fully charge the battery and try again.

Q Why does the phone heat up?
A The phone may get hot when there is a very long call duration, when games are played or even when surfing the Internet for a long time. This has no effect upon the life of the product or performance.

Q Why does the battery run out so quickly during normal use?
A This may be due to the user environment, a large number of calls or a weak signal.

Q Why is no number dialed when an Address Book entry is recalled?
A Check that the number has been stored correctly by using the Address book Search feature. Re-store them, if necessary.

Accessories

There are a variety of accessories available for your mobile phone, some of which may be sold separately. You can select these options according to your personal communication requirements. Consult your local dealer for availability.

Travel Adapter

This adapter allows you to charge the battery. It supports standard US 120 Volt 60Hz outlets.

Battery

Standard battery is available.

⚠ Note
- Always use genuine LG accessories.
- Failure to do this may invalidate your warranty.
- Accessories may be different in different regions; please check with our regional service company or agent for further enquiries.

For Your Safety

Important Information

This user guide contains important information on the use and operation of this phone. Please read all the information carefully for optimal performance and to prevent any damage to or misuse of the phone. Any changes or modifications not expressly approved in this user guide could void your warranty for this equipment. Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Before You Start

Safety Instructions

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

Always store your phone away from heat. Never store your phone in settings that may expose it to temperatures less than 32°F or greater than 104°F, such as outside during extreme weather conditions or in your car on a hot day. Exposure to excessive cold or heat will result in malfunction, damage and/or catastrophic failure.

Be careful when using your phone near other electronic devices. RF emissions from your mobile phone may affect nearby in adequately 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 this will cause the battery to explode.

IMPORTANT! Please read the TIA SAFETY INFORMATION on page 123 before using your phone.

Safety Information

Read these simple guidelines. Breaking the rules may be dangerous or illegal. Further detailed information is given in this user guide.

▶ Do not disassemble this unit. Take it to a qualified service technician when repair work is required.

▶ Keep away from electrical appliances such as TVs, radios, and personal computers.

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

▶ Do not drop.

▶ Do not subject this unit to mechanical vibration or shock.

▶ The coating of the phone may be damaged if covered with wrap or vinyl wrapper.

▶ Use dry cloth to clean the exterior of the unit. (Do not use solvent such as benzene, thinner or alcohol.)

▶ Do not subject this unit to excessive smoke or dust.

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

▶ Do not tap the screen with a sharp object; otherwise, it may damage the phone.

▶ Do not expose the phone to liquid or moisture.

▶ Use the accessories like an earphone cautiously. Do not touch the antenna unnecessarily.

Memory card information and care

▶ The memory card cannot be used for recording copyright- protected data.

▶ Keep the memory card out of the small children's reach.

▶ Do not leave the memory card in extremely hot location.

▶ Do not disassemble or modify the memory card.

FCC RF Exposure Information

WARNING! Read this information before operating the phone.

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

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

CAUTION

Use only the supplied and approved antenna. Use of unauthorized antennas or modifications could impair call quality, damage the phone, void your warranty and/or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with skin, a minor burn may result. Contact your local dealer for a replacement antenna.

Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 0.79 inches (2cm) between the user's body and the back of the phone. To comply with FCC RF exposure requirements, a minimum separation distance of 0.79 inches (2cm) must be maintained between the user's body and the back of the phone. Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used. Body-worn accessories that cannot maintain 0.79 inches (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.

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 may cause undesired operation.

Part 15.105 statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

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

▶ Reorient or relocate the receiving antenna.

▶ Increase the separation between the equipment and receiver.

▶ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

▶ Consult the dealer or an experienced radio/TV technician for help.

Cautions for Battery

▶ Do not disassemble or open crush, bend or deform, puncture or shred.

▶ Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.

▶ Only use the battery for the system for which it is specified.

▶ Only use the battery with a charging system that has been qualified with the system per this standard. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.

▶ Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.

▶ Replace the battery only with another battery that has been qualified with the system per this standard, IEEE-Std-1725-200x. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard.

▶ Promptly dispose of used batteries in accordance with local regulations.

▶ Battery usage by children should be supervised.

▶ Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.

▶ Improper battery use may result in a fire, explosion or other hazard.

▶ For those host devices that utilize a USB port as a charging source, the host device's user manual shall include a statement that the phone shall only be connected to products that bear the USB-IF logo or have completed the USB-IF compliance program.

Adapter (Charger) Cautions

▶ Using the wrong battery charger could damage your phone and void your warranty.

▶ The adapter or battery charger is intended for indoor use only.

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

Avoid damage to your hearing

▶ Damage to your hearing can occur if you are exposed to loud sound for long periods of time. We therefore recommend that you do not turn on or off the handset close to your ear. We also recommend that music and call volumes are set to a reasonable level.

▶ If you are listening to music while out and about, please ensure that the volume is at a reasonable level so that you are aware of your surroundings. This is particularly imperative when attempting to cross the street.

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 lowpower 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 handheld 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).

* American National Standards Institute; National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection

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

Antenna Care

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

Phone Operation

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

Tips on Efficient Operation

For your phone to operate most efficiently:

▶ Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Driving

Check the laws and regulations on the use of wireless phones 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 is 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 AT&T.

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.

Health Care Facilities

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 use 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. Turn your phone OFF before boarding an aircraft.

Blasting Areas

To avoid interfering with blasting operations, turn your phone OFF when in a 'blasting areas 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.

Safety Information

Please read and observe the following information for safe and proper use of your phone and to prevent damage. Also, keep the user guide in an accessible place at all the times after reading it.

▶ Do not disassemble or open crush, bend or deform, puncture or shred.

▶ Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.

▶ Only use the battery for the system for which it is specified.

▶ Only use the battery with a charging system that has been qualified with the system per IEEE-Std-1725-2006. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.

▶ Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.

▶ Replace the battery only with another battery that has been qualified with the system per IEEE-Std-1725-2006. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard.

▶ Promptly dispose of used batteries in accordance with local regulations.

▶ Battery usage by children should be supervised.

▶ Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.

▶ Improper battery use may result in a fire, explosion or other hazard.

▶ The phone shall only be connected to USB products that bear the USB-IF logo or have completed the USB-IF compliance program.

Charger and Adapter Safety

▶ The charger and adapter are intended for indoor use only.

Battery Information and Care

▶ Please dispose of your battery properly or take it to your local wireless carrier for recycling.

▶ The battery does not need to be fully discharged before recharging.

▶ Use only LG-approved chargers specific to your phone model since they are designed to maximize battery life.

▶ Do not disassemble or impact the battery as it may cause electric shock, short-circuit, and fire. Store the battery in a place out of reach of children.

▶ Keep the battery's metal contacts clean.

▶ Replace the battery when it no longer provides acceptable performance. The battery can be recharged several hundred times before replacement.

▶ Recharge the battery after long periods of non-use to maximize battery life.

▶ Battery life will vary due to usage patterns and environmental conditions.

▶ Use of extended backlighting, MEdia Net Browsing, and data connectivity kits affect battery life and talk/standby times.

▶ The self-protection function of the battery cuts the power of the phone when its operation is in an abnormal state. In this case, remove the battery from the phone, reinstall it, and turn the phone on.

▶ Actual battery life will depend on network configuration, product settings, usage patterns, battery and environmental conditions.

Explosion, Shock, and Fire Hazards

▶ 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.

▶ When using the power plug, ensure that it is firmly connected. If it is not, it may cause excessive heat or fire.

▶ If you put your phone in a pocket or bag without covering the receptacle of the phone (power plug pin), metallic articles (such as a coin, paperclip or pen) may short-circuit the phone. Always cover the receptacle when not in use.

▶ Do not short-circuit the battery. Metallic articles such as a coin, paperclip or pen in your pocket or bag may short-circuit the + and – terminals of the battery (metal strips on the battery) upon moving. Short-circuit of the terminal may damage the battery and cause an explosion.

General Notice

▶ 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 or subway ticket near your phone. The magnetism of the phone may damage the data stored in the magnetic strip.

▶ Talking on your phone for a long period of time may reduce call quality due to heat generated during use.

▶ When the phone is not used for a long period time, store it in a safe place with the power cord unplugged.

▶ Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference to the phone.

▶ Do not use the phone if the antenna is damaged. If a damaged antenna contacts skin, it may cause a slight burn. Please contact an LG Authorized Service Centre to replace the damaged antenna.

▶ Do not immerse your phone in water. If this happens, turn it off immediately and remove the battery. If the phone does not work, take it to an LG Authorized Service Centre.

▶ Do not paint your phone.

▶ The data saved in your phone might be deleted due to careless use, repair of the phone, or upgrade of the software. Please backup your important phone numbers. (Ring tones, text messages, voice messages, pictures, and videos could also be deleted.) The manufacturer is not liable for damage due to the loss of data.

▶ When you use the phone in public places, set the ring tone to vibration so as not to disturb others.

▶ Do not turn your phone on or off when putting it in your ear.

FDA Consumer Update

The U.S. Food and Drug Administration Centre 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 standby 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 the FDA's role concerning the safety of wireless phones?

Under the law, the 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, the 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, the 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.

The 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 (Administración de la seguridad y salud laborales)

▶ Occupational Safety and Health Administration

▶ National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

The 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. The FCC relies on the FDA and other health agencies for safety questions about wireless phones.

The 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 handheld 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 FCC safety guidelines that were developed with the advice of the 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 epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human

populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do- may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

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

The 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). The 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. The FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. The FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts with 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 radio frequency 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 radio frequency energy (RF) exposures. The FCC established these guidelines in consultation with the 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 the FDA done to measure the radio frequency energy coming from wireless phones?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radio frequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, 'Recommended Practice for Determining the Spatial- Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques,' sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissuesimulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of

the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

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

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure. If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone

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

10. What about children using wireless phones?

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

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, the 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 the 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. The 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. The FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, the 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.icnirp.de)

National Radiological Protection Board (UK) (http://www.nrpb.org.uk)

10 Driver Safety Tips

Your wireless phone gives you the powerful ability to communicate by voice almost anywhere, anytime. An important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When operating a car, driving is your first responsibility.

When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.

Safety Guidelines

2. When available, use a hands-free device. A number of hands-free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.

3. Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can reach it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voicemail answer it for you.

4. Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.

5. Do not take notes or look up phone numbers while driving. If you are reading an Address Book or business card, or writing a "to-do" list while driving a car, you are not watching where you are going. It is common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip— dial only a few numbers, check the road and your mirrors, then continue.

7. Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix; they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.

8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations — with your phone at your side, help is only three numbers away. Dial 911 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!

9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 911 or other local emergency number, as you would want others to do for you.

10. Call roadside assistance or a special wireless non-emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you can still use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle. You know to be stolen, call roadside assistance or other special non-emergency wireless number.

For more information, please call to 888-901-SAFE, or visit our website www.wow-com.com

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 (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

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

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for LG Arena phone when tested for use at the ear is 0.90 W/kg and when worn on the body, as described in this user's manual, is 1.07 W/kg. (Body-worn measurements differ among phones 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 BEJGT950.

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.

Glossary

To help you understand the main technical terms and abbreviations used in this booklet and to take full advantage of the features on your mobile phone, here are a few definitions.

Call Barring

The ability to restrict outgoing and incoming calls.

Call Divert

The ability to reroute calls to another number.

Call Waiting

The ability to inform users that they have an incoming call when engaged on another call.

GPRS (General Packet Radio Service)

GPRS guarantees continuous connection to the Internet for mobile phone and computer users. It is based on the Global System for Mobile Communication (GSM) circuit-switched cellular phone connections and the Short Message Service (SMS).

GSM (Global System for Mobile Communication)

International standard for cellular communication, guaranteeing compatibility between the various network operators. GSM covers most European countries and many other parts of the world.

Java

Programming language generating applications that can run on all hardware platforms, whether small, medium or large, without modification.

It has been promoted for and geared heavily towards the Web, both for public Web sites and Intranets. When a Java program runs from a Web page, it is called a Java applet. When it is run on a mobile phone or pager, it is called a MIDlet.

Line Identification Services (Caller ID)

Service allowing subscribers to view or block the telephone numbers of callers.

Conference Calls

Ability to establish a conference call involving up to five additional parties.

Phone Password

Security code used to unlock the phone when you have selected the option to lock it automatically each time it switches on.

Roaming

Use of your phone when you are outside your home area (for example, when traveling).

SDN (Service Dial Number)

Telephone numbers supplied by your network provider and giving access to special services such as voice mail, directory inquiries, customer support and emergency services.

SIM card

Card containing a chip with all the information required to operate the phone (network and memory information, as well as the subscriber's personal data). The SIM card fits into a small slot on the back of the phone and is protected by the battery.

SMS (Short Message Service)

Network service sending and receiving text messages to and from another subscriber, without the need to speak to the correspondent. The message created or received (up to 160 characters long) can be displayed, received, edited or sent.

Patent Information

This product was manufactured under one or more of the following US patents:
5276765, 5749067, 6061647

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