

## BACKUP & RESTORE

### About backing up and restoring smart phone data


It recommends that you regularly create and save a backup file on the Storage card, especially before you update any software. Maintaining a current backup file on Storage memory might allow you to recover smart phone data if your smart phone is lost, stolen, or corrupted by an unforeseen issue. This Backup & Restore application support between LG smart phones, other S/W version or OS. And so, when you buy the new LG smart phone, you can back up the current LG-P940h smart phone data on your new one.

If you have preloaded application Backup & Restore on your smart phone, you can back up and restore most of your smart phone data, **Applications** including unprotected applications, their settings, **Bookmarks, Calendar, Call log, Contacts, Messages, and System settings** using this application.

- To perform a manual backup of your smart phone data.
- To schedule automatic backups of your smart phone data.
- To restore your smart phone data.

### Back up your smart phone data


**NOTE: To back up data that is in your on-board device memory, the Storage Card(memory card) must be inserted. For more information on inserting the Storage Card(memory card), see the Using the memory card chapter.**

1. Insert to the memory card into the slot and check out the storage status.
2. Touch the **Application** tab , and then select **Backup & Restore > Backup > Storage Card**.
3. Touch the **Add new** to enter a name for your backup file, and then select **Continue**.
4. Select the check box next to the item you want to back up, and then select **Continue** to back up.
5. When all selected files backed

up, you will see the message **'Done'** and select **Continue** to finish backing up data.

### Scheduling automatic backups

You can also enable automatic backups of the data on your smart phone according to your schedule setting. To do this, complete the following steps:


1. Insert to the memory card into the slot and check out the storage status.
2. Touch the **Application** tab  , and then select **Backup & Restore > Schedule**.
3. On the **Scheduled Backup Location** screen, touch **Storage Card**.
4. From the list, select how often you want to back up your device data and settings, and select **Continue**.
5. Select the check box next to the data you want to back up, and then select **Continue** to finish the schedule set.

### Restoring smart phone data

To restore data that is in your

on-board device memory, mass storage mode must be turned off.

**NOTE: All files that are stored on your smart phone are deleted before the backup file is restored.**

1. Insert to the memory card into the slot and check out the storage status.
2. Touch the **Application** tab  , and then select **Backup & Restore > Restore > Storage Card**.
3. On the **Restore** screen, select a backup file that contains the data you want to restore.
4. Select the check box next to the item you want to restore, and then select **Continue** to restore to phone.


**NOTE: Please note that your phone data will be overwritten with the contents of your backup.**

5. If the backup file is encrypted, type the password that you set to encrypt.


6. When all selected files restored, you will see the message '**Done**' and select **Yes** to restart the phone.

**NOTE:**

- While in Mass storage mode, this Back & Restore Application cannot be functioned. Select Charge only option when the USB cable is connected.
- You can set Enable encryption to encrypt your backup files for extra protection.

Press the **Menu**  from the **Backup & Restore** screen, and select **Settings > Security** and select the check box. And after enabling encryption, To restore synchronized organizer data, you must have an activation password.

**NOTE:**

- You can also enable automatic delete old backups and only keep the most recent backup. Press the Menu  from the Backup & Restore screen, and select **Settings > Scheduled backup > Auto delete old backups** to select the number of scheduled backups to keep.
- When you insert a memory card in your smart phone, the file directory of the memory card will appear in the **Polaris Office / My folders/\_ ExternalSD/spritebackup** folder under the **Storage Memory** (when memory card is inserted.).
- Backup allows a user to immediately back up what the user selects. (Application and application data, Contacts, Messages, Call log, Calendar, Bookmarks) For the recent backup history, if there is no history of backups, "No backup" is displayed ; if there is history, up to two backed up files are displayed.

**NOTE:**

- **Restore** allows a user to restore backed up items when the user wants using backup files. The Restore application can be used on the backed up smart phone as well as other LG smart phones.
- **Schedule** allows a user to set a time for a scheduled backup by automatically generating a backup file at a desired time such as an early morning when the user usually does not use the phone. No scheduled backup is set by default if there is no previous setting through Schedule; otherwise, the time of next scheduled backup is displayed.

## PHONE SOFTWARE UPDATE

### LG Mobile phone software update from the Internet

For more information about using this function, please visit <http://update.lgmobile.com> or <http://www.lg.com/common/index.jsp> → select country and language. This feature allows you to update the firmware on your phone to a newer version conveniently from the Internet without needing to visit a service centre. This feature will only be available if and when LG makes a newer firmware version available for your device.

As the mobile phone firmware update requires the user's full attention for the duration of the update process, please make sure you check all instructions and notes that appear at each step before proceeding. Please note that removing the USB data cable or battery during the upgrade may seriously damage your mobile phone.

**NOTE: LG reserves the right to make firmware updates available only for selected models at its own discretion and does not guarantee the availability of the newer version of the firmware for all handset models.**

### LG Mobile Phone software update via Over-the-Air (OTA)

This feature allows you to update your phone's software to a newer version conveniently via OTA, without connecting with a USB data cable. This feature will only be available if and when LG makes a newer firmware version available for your device.

First, you can check the software version on your mobile phone:

**Settings > About phone > Software update > Check now for update.**

You can also delay the update by 1 hour, 4 hours, 8 hours, or One day. In this case, the application will notify you to update when the time is up. You can also rearrange an update manually.

**NOTE: This feature is dependent on your network service provider, region and country.**

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### DivX Mobile **DivX**

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convert your files into DivX videos. **ABOUT DIVX VIDEO-ON-DEMAND:** This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to [vod.divx.com](http://vod.divx.com) for more information on how to complete your registration. **DivX Certified® to play DivX® video up to HD 720P, including premium content. DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under license.**

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## ACCESSORIES

These accessories are available for use with the LG-P940h. (Items described below may be optional.)

### Travel adaptor



**Data cable**  
Connect your LG-P940h and PC.



### Battery



**User Guide**  
Learn more about your LG-P940h.

### Stereo headset



#### NOTE:

- Always use genuine LG accessories. Failure to do this may invalidate your warranty.
- Accessories may vary in different regions.



## TECHNICAL DATA

### Ambient Temperatures

**Max:** +55°C (discharging), +45°C (charging)

**Min:** -10°C

## TROUBLESHOOTING

This chapter lists some problems you might encounter while using your phone. Some problems require you to call your service provider, but most are easy to fix yourself.

Message	Possible causes	Possible corrective measures
SIM error	There is no SIM card in the phone or it is inserted incorrectly.	Make sure that the SIM card is correctly inserted.
No network connection/ Losing network	Signal is weak or you're outside the carrier network. Operator applied new services.	Move towards a window or into an open area. Check the network operator coverage map. Check whether the SIM card is more than 6-12 months old. If so, change your SIM at your network provider's nearest branch. Contact your service provider.
Codes do not match	To change a security code, you will need to confirm the new code by re-entering it. The two codes you have entered do not match.	If you forget the code, contact your service provider.
Any application cannot be set	Not supported by service provider or registration required.	Contact your service provider.


Message	Possible causes	Possible corrective measures
Calls not available	<p>Dialling error New SIM card inserted. Pre-paid charge limit reached.</p>	<p>New network not authorised. Check for new restrictions.</p> <p>Contact service provider or reset limit with PIN2.</p>
Phone cannot be switched on	<p>On/Off key pressed too briefly. Battery is not charged. Battery contacts are dirty.</p>	<p>Press the On/Off key down for at least two seconds. Charge battery. Check charging indicator on the display. Clean the battery contacts.</p>
Charging error	<p>Battery is not charged. Outside temperature is too hot or cold. Contact problem</p> <p>No voltage</p> <p>Charger defective</p> <p>Wrong charger Battery defective</p>	<p>Charge battery.</p> <p>Make sure phone is charging at a normal temperature.</p> <p>Check the charger and connection to the phone. Check the battery contacts and clean them if necessary.</p> <p>Plug the charger into a different socket.</p> <p>If the charger does not warm up, replace it.</p> <p>Only use original LG accessories. Replace battery.</p>



<b>Message</b>	<b>Possible causes</b>	<b>Possible corrective measures</b>
Number not permitted	The Fixed dialling number function is on.	Check the Settings menu and turn the function off.
Impossible to receive / send SMS & picture	Memory full	Delete some messages from the phone.
Files not opening	Unsupported file format	Check the file formats that can be supported.
SD card not working	FAT16, FAT32 file system supported	Check SD card file system via card reader, or format SD card using the phone.
The screen does not turn on when I receive a call.	Proximity sensor problem	If you use any protection tape or case, check to see if it has covered the area around the proximity sensor. Make sure that the area around the proximity sensor is clean.
No sound	Vibration mode	Check the settings status of the sound menu to make sure you are not in vibrate or silent mode.
Hang up or freeze	Intermittent software problem	Remove and re-insert battery. Turn on the phone. Try to do a software update service via the website.


## FAQ

Please check to see if any problems you have encountered with your phone are described in this section before taking the phone in for service or calling a service representative.

<b>Category Sub- Category</b>	<b>Question</b>	<b>Answer</b>
<b>BT</b> Bluetooth Devices	What are the functions available via Bluetooth?	You can connect Bluetooth audio device such as Stereo/Mono headset, Car Kit and share pictures, videos, contacts, etc via Gallery/Contacts menu. Also when FTP server is connected to a compatible device, you can share contents stored in the storage media (internal memory or SD card).
<b>BT</b> Bluetooth Headset	If my Bluetooth headset is connected, can I listen to my music through my 3.5mm wired headphones?	When a Bluetooth headset is connected, all system sounds are played over the headset. As a result, you will not be able to listen to music through your wired headphones.
<b>Data</b> Contacts Backup	How can I back up Contacts?	The Contacts data can be synchronised between your phone and Gmail™.




Category Sub- Category	Question	Answer
<b>Data</b> Synchronisation	Is it possible to set up one-way sync with Gmail?	Only two-way synchronisation is available.
<b>Data</b> Synchronisation	Is it possible to synchronise all the Email folders?	The Inbox is automatically synchronised. You can view other folders by pressing the <b>Menu Key</b>  and touch <b>Folders</b> to choose a folder.
<b>Google™ Service</b> Gmail Log-In	Do I have to log into Gmail whenever I want to access Gmail?	Once you log into Gmail, you don't need to log in Gmail again.
<b>Google Service</b> Google Account	Is it possible to filter emails?	No, email filtering is not supported via the phone.
<b>Phone Function</b> YouTube™	Is it possible to play YouTube videos?	Yes, YouTube videos are supported but may have to be viewed through the YouTube application (and not the browser).
<b>Phone Function</b> Email	What happens when I execute another application while writing an email?	Your email will automatically be saved as a draft.
<b>Phone Function</b> Ringtone	Is there a file size limitation for when I want to use a .MP3 file as a ringtone?	There is no file size limitation.


Category Sub- Category	Question	Answer
<b>Phone Function</b> Message Time	My phone does not display the time of receipt for messages older than 24 hrs. How can I change this?	You will only be able to see the times for messages received the same day.
<b>Phone Function</b> microSD Card	What is the maximum supported size for a memory card?	32 GB memory cards are compatible.
<b>Phone Function</b> Navigation	Is it possible to install another navigation application on my phone?	Any application that is available on Android Market™ and is compatible with the hardware can be installed and used.
<b>Phone Function</b> Synchronisation	Is it possible to synchronise my contacts from all my email accounts?	Only Gmail and MS Exchange server(Company Email Server) contacts can be synchronised.
<b>Phone Function</b> Wait and Pause	Is it possible to save a contact with Wait and Pause in the numbers?	<p>If you transferred a contact with the W &amp; P functions saved into the number, you will not be able to use those features. You will need to re-save each number.</p> <p>How to save with Wait and Pause:</p> <ol style="list-style-type: none"> <li>1. From the Home screen, press the <b>Phone</b> icon .</li> <li>2. Dial the number, then press the <b>Menu Key</b> .</li> <li>3. Touch <b>Add 2-sec pause</b> or <b>Add wait</b>.</li> </ol>

Category Sub- Category	Question	Answer
<b>Phone Function Security</b>	What are the phone's security functions?	You are able to set the phone to require the entry of an Unlock Pattern before the phone can be accessed or used.
<b>Phone Function Unlock Pattern</b>	How do I create the Unlock Pattern?	<ol style="list-style-type: none"><li>1. From the Home screen, press the <b>Menu Key</b> .</li><li>2. Touch <b>Settings &gt; Location &amp; security</b>.</li><li>3. Touch <b>Set up screen lock &gt; Pattern</b>. The first time you do this, a short tutorial about creating an Unlock Pattern appears.</li><li>4. Set up by drawing your pattern once, then again for confirmation.</li></ol> <p><b>Precautions to take when using pattern lock.</b></p> <p>It is very important to remember the unlock pattern you set. You will not be able to access your phone if you use an incorrect pattern 5 times. You have 5 opportunities to enter your unlock pattern, PIN or password. If you have used all 5 opportunities, you can try again after 30 seconds.</p>




Category Sub- Category	Question	Answer
<b>Phone Function</b> Unlock Pattern	What should I do if I forgot the Unlock Pattern and I didn't create the Google account on the phone?	<p><b>If you have forgotten Pattern :</b></p> <p>If you logged in to your Google account on the phone but failed to enter the correct pattern 5 times, tap the Forgot pattern button. You are then required to log in with your Google account to unlock your phone. If you have not created a Google account on the phone or you forgot it, you have to perform a hard reset.</p> <p><b>Caution: If you perform a factory reset, all user applications and user data will be deleted. Please remember to back up any important data before performing a factory reset.</b></p> <p>How to perform a factory reset:</p> <ol style="list-style-type: none"><li>1. Turn the power off.</li><li>2. Press and hold the following keys at the same time(for over 10 seconds): <b>Power/ Lock key + Camera key + Volume Down Key</b></li><li>3. The phone will turn on and perform a factory reset immediately.</li></ol>
<b>Phone Function</b> Memory	Will I know when my memory is full?	Yes, you will receive a notification.

Category Sub- Category	Question	Answer
<b>Phone Function</b> Language Support	Is it possible to change the language?	The phone has multilingual capabilities. To change the language: <ol style="list-style-type: none"><li>1. From the Home screen, press the <b>Menu Key</b>  and touch <b>Settings</b>.</li><li>2. Touch <b>Language &amp; keyboard &gt; Select language</b>.</li><li>3. Touch the desired language.</li></ol>
<b>Phone Function</b> VPN	How do I set up a VPN?	VPN access configuration is different according to each company. To configure VPN access from your phone, you must obtain the details from your company's network administrator.
<b>Phone Function</b> Screen out	My screen turns off after only 15 seconds. How can I change the amount of time for the backlight to turn off?	<ol style="list-style-type: none"><li>1. From the Home screen, press the <b>Menu Key</b> .</li><li>2. Touch <b>Settings &gt; Display</b>.</li><li>3. Under Display settings, touch <b>Screen timeout</b>.</li><li>4. Touch the preferred screen backlight timeout time.</li></ol>
<b>Phone Function</b> Tactile feedback	I've turned on haptic feedback on my phone. However, when I dial a number, the phone still vibrates. How do I turn this off?	<ol style="list-style-type: none"><li>1. From the Home screen, press the <b>Menu Key</b> .</li><li>2. Touch <b>Settings &gt; Sound</b>.</li><li>3. Touch <b>Haptic feedback</b> to remove the checkmark and disable the function.</li></ol>

Category Sub- Category	Question	Answer
<b>Phone Function</b> Wi-Fi & 3G	When Wi-Fi and 3G are both available, which service will my phone use?	When using data, your phone may default to the Wi-Fi connection (if Wi-Fi connectivity on your phone is set to On). However, there will be no notification when your phone switches from one to the other. To know which data connection is being used, view the 3G or Wi-Fi icon at the top of your screen.
<b>Phone Function</b> Home screen	Is it possible to remove an application from the Home screen?	Yes. Just touch and hold the icon until the dustbin icon appears at the bottom-center of the screen. Then, without lifting your finger, drag the icon to the trash can.
<b>Phone Function</b> Application	I downloaded an application and it causes a lot of errors. How do I remove it?	<ol style="list-style-type: none"><li>1. From the Home screen, press the <b>Menu Key</b> .</li><li>2. Touch <b>Settings &gt; Applications &gt; Manage applications</b>.</li><li>3. Touch the application, then touch <b>Uninstall</b>.</li></ol>
<b>Phone Function</b> Charger	Is it possible to charge my phone by USB data cable without installing the necessary USB driver?	Yes, the phone will get charged by the USB cable irrespective of whether the necessary drivers are installed or not.

Category Sub- Category	Question	Answer
<b>Phone Function</b> Alarm	Can I use music files for my Alarm?	Yes. After saving a music file as a ringtone, you can use it for your alarm. 1. Touch and hold a song in a library list. In the menu that opens, touch <b>Use as ringtone</b> . 2. In an alarm clock setting screen, select the song as a ringtone.
<b>Phone Function</b> Alarm	Will my alarm be audible or will it go off if the phone is turned off?	No, this is not supported.
<b>Phone Function</b> Alarm	If my Ringer Volume is set to Off or Vibrate, will I hear my Alarm?	Your Alarm is programmed to be audible even in these scenarios.

Category Sub- Category	Question	Answer
<b>Recovery Solution</b> Factory data reset	How do I perform a Factory data reset?	<p>Reset your settings to the factory default values and delete all your data. If you reset the phone in this way, you are prompted to reenter the same information as when you first started Android.</p> <ol style="list-style-type: none"><li>1. From the Home screen, press the <b>Menu Key</b> .</li><li>2. Touch <b>Settings &gt; Privacy &gt; Factory data reset</b>.</li><li>3. Read the warning and touch <b>Reset phone</b>.</li><li>4. Touch <b>Erase everything</b>.</li></ol> <p><b>Attention:</b></p> <ul style="list-style-type: none"><li>• If you select Factory data reset, it will erase all of your personal data from your phone's system memory, including information about your Google account, any other accounts, your system/application data and settings as well as any downloaded applications and DRM license.</li><li>• Resetting the phone does not erase any system software updates you have downloaded or any files on your microSD card or internal memory, such as music or photos. And so, if you want to erase all the data on the internal memory while resetting the phone, select the check box of <b>Erase internal memory</b>.</li></ul>

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Category Sub- Category	Question	Answer
<b>Recovery Solution</b> Hard Reset (Factory Reset)	How can I perform a factory reset if I can't access the phone's setting menu?	How to perform a Hard Reset (Factory Reset): 1. Turn the power off. 2. Press and hold the following keys at the same time(for over 10 seconds): <b>Power/ Lock key + Camera key + Volume Down Key</b> 3. The phone will turn on and perform a factory reset immediately. <b>Attention:</b> <b>If a factory reset is performed, all installed applications and user data will be erased. Please remember to back up any important data before performing a factory reset.</b>

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## FOR YOUR SAFETY

### Important Information

This user's guide contains important information about the use and operation of this phone. Read all information carefully for optimal performance and to avoid any damage or misuse of the phone. Any changes or modifications not expressly approved in this user's guide could void your warranty for this equipment.

### Before you begin

#### Safety Guidelines

**WARNING:**

To reduce the possibility of electric shock, do not expose your product to high humidity areas, such as bathroom or swimming pool.

Keep the phone away from heat. Never store your phone in environment that may expose it to temperatures below 0°C or

above 40°C, such as outdoor during snowstorm, or in your car in hot days. Exposure to cold or heat will result in malfunction, damage or permanent failure. Be careful when using your phone near other electronic devices. The RF emissions from mobile phones may affect nearby electronic equipment that not adequately shielded. You should consult manufacturers of any personal medical devices, as in the case of pacemakers and hearing aides, to determine whether they are susceptible to interference from cell phones. Turn off your phone in medical facilities or at gas stations. Never place your phone in microwaves, as it will cause the battery to explode.

**Important! Before using your phone, please read the SAFETY INFORMATION OF THE TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA).**

### Safety Information

Read these simple guidelines. Breaking the rules may be illegal or dangerous.

More detailed information is provided in this user's guide.

- Never use an unapproved battery that could cause damages to the phone or the battery itself, or even explode.
- Never place your phone in a microwave oven, as this will result in an explosion of the battery.
- Do not dispose of your battery in fire or with hazardous or flammable materials.
- Make sure the battery does not come into contact with sharp-edged items, such as animal teeth or claws. This could cause a fire.
- Store the battery in a place out of the reach of children.
- Be careful so that children do not swallow any parts of the phone, such as rubber plugs (earpiece, parts that connect to the phone, etc.). This could cause asphyxiation or suffocation.
- Disconnect the plug and charger from the outlet when the phone shows that the battery has been fully charged, because it may cause electric shock or fire hazard.
- When in the car, do not leave your phone, or install a hands-free kit, near the airbag. If wireless equipment is improperly installed, you can be seriously injured if the airbag is deployed.
- Do not use mobile phone while driving.
- Do not use the phone in areas where its usage is prohibited. (For example: in airplanes).
- Do not expose the battery charger or adapter to direct sunlight, or use it in places with high humidity, such as bathroom.
- Never store your phone in temperatures lower than  $-20^{\circ}\text{C}$  or higher than  $50^{\circ}\text{C}$ .
- Do not use harsh chemicals (such as alcohol, benzene, solvents, etc.) or detergents to clean the phone. This could cause fire.
- Do not drop the phone, strike it, or shake it hard. Such actions may harm the phone's internal circuit boards.
- Do not use your phone in high explosive areas, as this may generate sparks.
- Do not damage the power cord by bending, twisting, pulling, or heating it. Do not use the plug if it is loose as it may cause fire or electric shock.



- Do not handle the phone with wet hands while it is charging. This can cause electric shock or seriously damage your phone.
  - Do not disassemble the phone.
  - Do not make or answer calls while charging the phone, which can cause a short circuit, electric shock, or fire.
  - Use only batteries and chargers provided by LG. The warranty does not apply to products provided by other providers.
  - Only authorized personnel should service the phone and its accessories.
- Installation or service may result in accidents and consequently invalidate the warranty.
- Do not hold or let the antenna come in contact with your body during a call.
  - Emergency calls can be made only within a service area. To make an emergency call, make sure you are within a service area and the phone is on.
  - Use your accessories, such as headphones or headsets, with caution, ensuring that the cables are plugged properly and that they do not touch the antenna

unnecessarily.  
Information about the RF exposure from FCC

**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 international and U.S. standards.

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

**Caution**

Use only the supplied antenna. Use of unauthorized antennas, or modifications, could impair call quality, damage the phone,

void your warranty, or result in a violation of FCC regulations.

Do not use the phone with a damaged antenna.

A damaged antenna in contact with the skin could cause a singe.

Contact your local dealer for an antenna replacement.

## Body effects

This device was tested for typical body operation, keeping a distance of 1 cm (0.39 inch) between the user's body and the back of the phone. To comply with RF exposure requirements of the FCC standards, a minimum distance of 1 cm (0.39 inch) between the user's body and the back of the phone is required. Belt-clips, holsters, and similar accessories containing metallic components from others manufacturers should not be used. Accessories worn close to the body, without keeping a minimum distance of 1 cm (0.39 inch) between the user's body and the back of the phone, and that have not been tested for typical body operation, may not comply with FCC's RF exposure limits and should

be avoided.

## External antenna mounted on the vehicle (optional, if available)

It must keep a minimum distance of 20 cm (8 inches) between the user / bystander and the vehicle mounted external antenna, in order to satisfy FCC's RF exposure requirements.

For more information about RF exposure, visit the FCC Website at [www.fcc.gov](http://www.fcc.gov)

## Class B Compliance under article 15 of the FCC

This device and its accessories comply with Article 15 of the FCC rules.

The operation is subject to the following conditions:

(1) This device, and its accessories, will not cause harmful interference and (2) this device and its accessories must accept any interference received, including interference that could cause an undesired operation.

## Battery Precautions

- Do not disassemble.
- Do not short-circuit.
- Do not expose to high temperatures, over 60 °C (140 °F).
- Do not incinerate.

## Battery Disposal

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

## Adapter Precautions (Charger)

- Using the wrong battery charger could damage your phone and void your warranty.
- The adapter or battery charger is only designed for indoor use.
- Do not expose the battery charger or adapter to direct sunlight, or use it in places with high humidity, such as the bathroom.

## 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.
- with the music and volume level.
- If you listen to music, please ensure that the volume level is adequate, so that you are aware of your surroundings. This is particularly important when attempting to cross a street.

## **Avoid damage to your ear**

- Damage to your hear can occur due to constant exposure to excessive high sound. We, therefore, recommend that you do not turn on or off the phone near your ear. We also recommend you be reasonable

## **SAFETY INSTRUCTIONS**

### **TIA's Safety Information**

This includes complete security information on wireless phones from TIA (Telecommunications Industry Association).

It's required, for CTIA Certification, the inclusion in the user manual of text covering pacemakers, hearing aids and other medical devices. It's encouraged the use of the remaining TIA language when relevant.

### **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.

## Suggestions for a more efficient operation

For your phone to operate most efficiently:

- Do not touch the antenna unnecessarily, when the phone is in use. The contact with the antenna affects call quality, and may cause the phone to operate at a higher power level than otherwise would be need.

## Driving

Check the laws and regulations related to the use of wireless phones in the areas where you drive. Always obey these regulations. Also, if using your phone while driving, make sure to:

- Pay 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 demand so.

## 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.

## Pacemaker

The Medical Industry Manufacturers Association recommends a minimum distance of fifteen (15) centimeters, or six (6) inches, between a handheld wireless phone and a pacemaker, in order to avoid potential interference between them. These advices are consistent with independent researches, and with recommendations based on wireless technology research. People with pacemakers should:

- ALWAYS keep the phone at least

fifteen centimeters (six inches) from their pacemaker, whenever the phone is turned on;

- Not carry the phone in a shirt pocket;
- Use the ear opposite to the pacemaker, to minimize the potential interference;
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

## Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, we recommend that you contact your service provider.

## Other Medical Devices

If you use any other personal medical devices, consult your device manufacturer to determine if they are adequately shielded from external RF energy. Your doctor can help you obtain this information.

## Health Care Facilities

Turn off your phone in health care facilities, whenever there are signs asking 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 devices in motor vehicles.

Check with the manufacturer, or its representative, regarding your vehicle.

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

## Facilities with signs

Turn off the phone in any facility where warning signs request you to do so.

## Airplanes

FCC regulations prohibit the use of phones while in the air. Turn off your phone before boarding an airplane.

## Blasting Areas

To avoid interfering with blasting operations, turn your phone off when in a 'blasting area' or in areas with signs that read: 'Turn off two-way radios'. Obey all signs and instructions.

## Potentially Explosive Atmosphere

Turn off the phone when in an area with a potentially explosive atmosphere, and obey all signs and instructions.

Sparks in such areas could cause an explosion or fire that could result in personal injury or death. Areas with a potentially explosive atmosphere are often clearly marked, but not always. Among the potentially dangerous areas are: Fueling areas (such as gas stations), areas below deck on

boats, facilities where chemical products are transferred or stored, vehicles using liquefied petroleum gas (as propane or butane), areas where the air contains chemicals or particles (such as grain, dust or metal powders), and any other areas where you would normally be advised to turn off your vehicle engine.

## For vehicles equipped with air bags

Air bags inflate with strong force. Do not place objects in the area over the air bag or in its deployment area, including wireless equipment, either installed or portable.

Serious injuries could occur if wireless equipment is improperly installed into the car when the air bag inflates.



## Safety Information

Read and observe the following information for the safe and proper use of your phone, and to prevent any damage.

Also, keep the user's guide in an accessible place at all times after reading it.

## Charger, Adapter and Battery Security

- The charger and adapter are designed only for indoor use.
- Dispose of your battery properly, or bring it to your wireless provider for recycling.
- The battery doesn't need to be fully discharged before recharging.
- Only use LG approved chargers that are specifically made for your phone model, since they are designed to maximize the battery life.
- Do not disassemble or short-circuit it.
- Keep the metal contacts on the battery clean.
- Replace the battery when it no longer provides acceptable

performance. The battery can be recharged several hundred times before replacement.

- Charge the battery after long periods without use to maximize its life.
- The battery life will vary depending on usage patterns and environmental conditions.
- Intensive use of backlighting, browser, and packet data connectivity affect battery life and talk/standby times.
- The role of self-protection interrupts the phone when its operation is in an abnormal state. In this case, remove the battery from the phone, reinstall it, and turn on the phone.

## Explosion, Shock and Fire Danger

- Do not place the phone in a place exposed to excessive dust, and keep the minimum required distance between the power cord and heat sources.
- Unplug the power cord before cleaning the phone, and clean the power plug whenever it is dirty.
- When using the power plug,

make sure it is firmly connected. Otherwise, it can overheat or start a fire.

- Placing the phone in a pocket or bag without covering the receptacle (power plug pin), metallic articles (such as a coin, clip or pen) may short-circuit the phone. Always cover the receptacle when not in use.
- Do not short-circuit the battery. Metal items, such as coins, paper clips, or pens, in your pocket or bag may cause a shortcircuit between the + and - terminals of the battery (metal strips on the battery). The short-circuit of the terminals may damage the battery and cause an explosion.

## General Notice

- Using a damaged battery, or inserting it into the mouth can cause serious injuries.
- Do not place the phone in proximity to items containing magnetic components, such as credit cards, calling cards, bank books, or subway tickets. The phone magnetism may damage the data stored in the magnetic strip.
- Talking on the phone for a long period of time may reduce call quality, because of the heat generated during use.
- When the phone has not been in use for a long time, store it in a safe place, with the power cord unplugged.
- Using the phone close to a receiving equipment (such as TV or radio) may cause interference.
- Do not use the phone if the antenna is damaged. If a damaged antenna contacts skin, it may cause a slight singe. Contact an LG Authorized Service Facility to replace the damaged antenna.
- Do not immerse your phone in water. If this happens, immediately turn it off and remove the battery. If your phone does not work, take it to an LG Authorized Service Facility.
- The power supply contains elements that could be harmful to your health, if components are handled directly. If this happens, we recommend immediate hand-washing.
- Do not paint the phone.

- Data stored in your phone might be deleted due to careless use, hardware repair or software upgrade.  
Please backup your important phone numbers (ringtones, text or voice messages, images, and videos might also get deleted).  
The manufacturer is not liable for damages due to loss of data.
- When using the phone in public places, you may set the ringer on vibrate to avoid disturbing others.
- Do not switch the phone on/off while it is in your ear.

This device is not intended for sale in the U.S.A

**Part 15.21 statement**

" Change or Modifications that are not expressly approved by the manufacturer could void the user's authority to operate the equipment.

**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.

**FCC Part 15 Class B Compliance**

This device and its accessories comply with part 15 of FCC rules and ICES-003 Class B digital apparatus requirements for Industry Canada. 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.

**Body-worn Operation**

This device has been tested for body-worn operations with the distance of 1.0cm (0.39 inches) between the user's body and the phone. To comply with FCC RF exposure requirements, a minimum separation distance of 1.0cm (0.39 inches) must be maintained from the user's body. Third-party belt-clips, holsters, and similar accessories containing metallic components may not be used. Body-worn accessories that cannot maintain 1.0cm (0.39 inches) separation distance between the user's body and the phone, and have not been tested for typical body-worn operations may not comply with FCC RF exposure limits and should be avoided.

## **Wi-Fi Caution**

This device is capable of operating in 802.11a/n mode. For 802.11a/n devices operating in the frequency range of 5.15 - 5.25 GHz, they are restricted for indoor operations to reduce any potential harmful interference for Mobile Satellite Services (MSS) in the US.

WIFI Access Points that are capable of allowing your device to operate in 802.11a/n mode(5.15 - 5.25 GHz band) are optimized for indoor use only.

If your WIFI network is capable of operating in this mode, please restrict your WIFI use indoors to not violate federal regulations to protect Mobile Satellite Services.