



LG

Life's Good

ENGLISH

User Guide

LG-C729

P/N : MFL00000000 (1.0)

www.lg.com

Congratulations on your purchase of the advanced and compact LG-C729 phone by LG, designed to operate with the latest digital mobile communication technology.

Some of the contents in this manual may differ from your phone depending on the software of the phone or your service provider.

- This handset is not recommended for the visually impaired because of its touch-screen keypad.
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SERVICE ACTIVATION

If you are a new T-Mobile® customer and your service has not been activated, simply call Customer Care at **1-800-937-8997** from your landline phone and a T-Mobile Activations representative will assist you. You will need the following information when activating service:

- Service Agreement and agent code on your Agreement.
- Your name, home address, home phone, and billing address.

NOTE: For business and government accounts, please provide the name of your company or government agency, address, and tax ID.

- Your Social Security number, current driver's license number, and date of birth for credit check purposes.
- Your choice of T-Mobile rate plan and services (see www.t-mobile.com for latest plan information).
- SIM serial number and IMEI number (located on the box bar code label).

By activating service, you acknowledge that you have read, understand, and agree to be bound by each of T-Mobile's Terms and Conditions and your Service Agreement.

About this user manual

Please read this user manual carefully before you use your phone and keep it handy for future reference.

Should the phone fail to operate correctly, refer to FAQ.

- Some features and service may vary by area, phone, carrier, plan and version of Phone Software.
- Screen displays and illustrations in this user manual may differ from those you see on actual phone.
- Designs and specifications of the Phone and other accessories are subject to change without any notice.

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Important notice

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

1. Phone memory

When the available space in your phone memory is less than 10%, your phone can't receive new messages. You will need to delete some data from your phone memory, such as applications or messages, to provide more memory space.

To manage the application:

1. On the home screen, touch the **Applications** tab and select **Settings > Applications > Manage applications**.
2. When all applications appear, scroll down to the application you want to uninstall and select it.
3. Tap **Uninstall** and touch OK to uninstall the selected application.

2. Optimizing battery life

You can extend your battery's life by turning off features that you don't need that run in the background. You can also monitor how applications and system resources use battery power.

To extend the life of your battery:

- Turn off radio communications that aren't in use. Turn off Wi-Fi, Bluetooth or GPS when not in use.
- Turn down screen brightness and set a shorter screen timeout.
- Turn off automatic syncing for Gmail, Calendar, Contacts and other applications.
- Some applications you have downloaded may reduce your battery's life.

To check the battery charge level:

1. On the home screen, touch the **Applications** tab and select **Settings > About phone > Status**.
2. The battery status (charging, discharging) and level (as a percentage of a full charge) are displayed at the top of the screen.

To monitor and control battery use:

1. On the home screen, touch the **Applications** tab and select **Settings > About phone > Battery use**.
2. The top of the screen displays the battery usage time. This is either how long since your phone was last connected to a power source or, if connected to a power source, how long since your phone last ran on battery power. The body of the screen lists the applications or services using battery power, from highest consumption to least.

3. Installing an open source OS

If you install an open source OS on your phone and do not use the OS provided by the manufacturer, your phone may malfunction.

! WARNING: If you install and use an OS other than the one provided by the manufacturer, your phone will not be covered by the warranty.

! WARNING: To protect your phone and personal data, only download applications from trusted sources such as Android Market. If some applications are incorrectly installed on your phone, your phone may not work properly, or serious errors may occur. You will need to remove these applications and all their data and settings from the phone.

4. Using unlock pattern

Set unlock pattern to secure your phone.

1. On the Home screen, touch the **Applications** tab
> **Settings** > **Location & security settings** > **Set up screen lock**.
2. A set of screens will open/appear to guide you through drawing a screen unlock pattern.

3. Draw your own unlock pattern by connecting four or more dots. If you set a pattern, the phone screen will lock. To unlock the phone, enter the pattern you have set on the screen.

Caution: Create a Gmail account first, before setting an unlock pattern.

! WARNING: Precautions to take when using Pattern Lock

It is essential that you remember the unlock pattern you set. You have five chances to enter your unlock pattern, PIN or password. Once you have used all five chances, you can try again 30 seconds later.

If you can't remember your unlock pattern, PIN or password:

If you have tried to log on to your Google account on the phone and failed to enter the correct pattern five times, tap the Forgot pattern button. You will then be required to sign in with your Google account to unlock your phone.

If you haven't created a Google account on the phone or cannot remember it, you will have to carry out a factory reset.

5. Connecting to Wi-Fi networks

To use Wi-Fi on your phone you need to access a wireless access point or "hotspot." Some access points are open, and you can simply connect to them. Others are hidden or have other security features, so you must configure your phone to connect to them.

Turn off Wi-Fi when you're not using it to extend the life of your battery.

To turn Wi-Fi on and connect to a Wi-Fi network:

1. On the home screen, touch the **Applications** tab and select **Settings > Wireless & networks > Wi-Fi settings**.
2. Touch **Wi-Fi** to turn it on and start scanning for available Wi-Fi networks.
 - A list of available Wi-Fi networks is displayed. Secured networks are indicated by a lock icon.
3. Touch a network to connect to it.
 - If the network is open, you are prompted to confirm you want to connect to that network by touching **Connect**.
 - If the network is secured, you are prompted to enter a password or other credentials. (Ask your network administrator for details.)

4. The status bar displays icons indicating Wi-Fi status.

6. Opening and switching applications

Multi-tasking is easy with Android because open applications keep running even when you open a further application. You do not need to quit an application before opening another one. Use and switch between several open applications. Android manages each application, stopping and starting it as needed, to ensure idle applications don't consume resources unnecessarily.

To stop using an application:

1. On the home screen, touch the **Applications** tab and select **Settings> Applications> Manage applications**.
2. Scroll to the chosen application and touch **Force Stop** to close it.

TIP!

Going back to a recent Application

Touch and hold the **Home** key. A screen will appear listing the applications you have used recently.

7. Connecting your phone to a computer via USB

To transfer files on your microSD card using USB devices:

1. Install your microSD card on your phone. (It may already be inserted in your phone.)
2. Before connecting the USB data cable, make sure the **Mass storage** mode is enabled on your phone. (On the **Applications** tab, choose **Settings > SD card & phone storage > Mass storage only**)
3. Use the USB cable with your phone to connect it to a USB port on your computer. Touch **Turn on USB storage**. You will get a notification that the USB is connected.

When the phone is connected as USB storage, you will receive a notification. Your phone's microSD card is installed as a drive on your computer. You can now copy files to and from the microSD card.

NOTE: USB and Bluetooth drivers are not automatically removed. Therefore, they must be uninstalled manually.

TIP! To use the microSD card on your phone again, you need to open the notification drawer and touch **Turn off USB storage**. During this time, you can't access the microSD card from your phone, so you can't use applications that rely on the microSD

card such as camera, gallery and music functions. To disconnect your phone from the computer, carefully follow the computer's instructions about how to disconnecting USB devices, to avoid losing information on the card.

1. Safely disconnect the USB device from your computer.
2. Open the notification drawer and touch **Turn off USB storage**.
3. Touch **Turn off** in the dialogue box that opens.

! WARNING: Do not insert or remove the microSD card when the phone is on. This might damage the microSD card as well as your phone, and the data stored on the microSD card could be corrupted. To remove the microSD card safely, from the Home screen press the Menu key and touch **Settings > SD card & phone storage > Unmount SD card**.

8. Unlock screen when using a data connection

The LCD display will go dark if untouched for a set time when using a data connection. Touch it to turn it on again.

9. Do not connect your phone when you turn your PC on and off

Make sure you disconnect your phone and PC via a data cable to avoid any harm to your PC.

10. Hold your phone upright

Please hold your phone straight and level, like a normal phone. The LG-C729 has an internal antenna. Be careful not to scratch or damage the back of the phone, as this will impair performance. While making/receiving calls or sending/receiving data, try to avoid holding the lower part of the phone where the antenna is located. This may affect call quality.

11. If the screen freezes

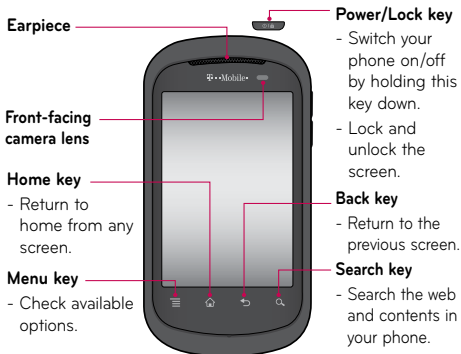
If the phone does not respond to user input, or the screen freezes:

Remove the battery, reinsert it and switch on the phone. If it still does not work, please contact the service center.

Getting to know your phone

To turn on the phone, hold down the **Power** key for 3 seconds.

To turn off the phone, hold down the **Power** key for 3 seconds, touch Power off and touch OK.



! WARNING: Placing a heavy object on the phone or sitting on it can damage its LCD and touch screen functions. Do not cover the LCD's proximity sensor with protective film. This may cause the sensor to malfunction.

TIP! Touch the Menu key whenever you tap an application to see what options are available.

TIP! If the LG-C729 displays an error message when you use it, or if you cannot turn it on, remove the battery, put it back in, then turn it on again after 5 seconds.

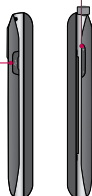
Stereo earphone connector

Power/Lock key

Volume keys

- On the home screen: control ringer volume.
- During a call: control your earpiece volume.
- When playing music: control volume at any time.

Charger, micro USB cable connector



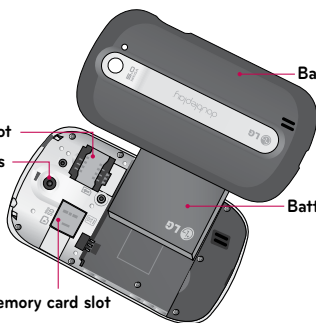
SIM card slot

Camera lens

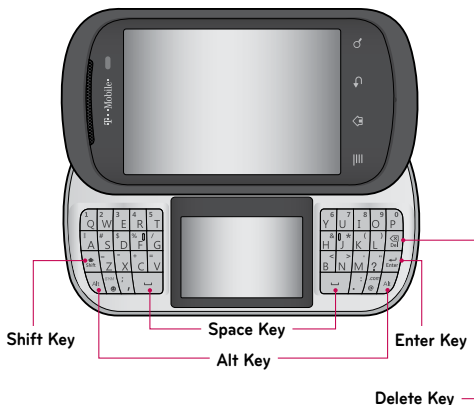
microSD memory card slot

Back cover

Battery



Slide Out QWERTY Keyboard and Experience Dual Display.



Shift Key lets you enter capital letters. To lock the Shift key, press twice. To unlock it, press again.

Space Key enters spaces when in a text entry field.

Alt Key lets you enter alternate characters such as @ (using the 2 key). To lock the Alt key, press twice. To unlock the key, press it a third time.

Delete Key

Enter Key

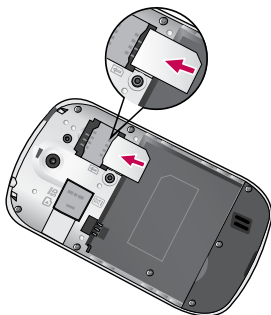
Installing the SIM card and battery

Before you can start using your new phone, it has to be set up. To insert the SIM card and battery:

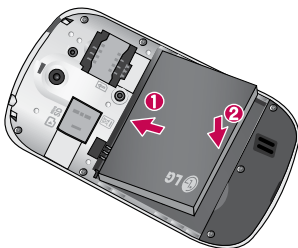
1. To remove the back cover, hold the phone firmly in one hand. With the other hand, firmly press down on the centre of the battery cover, while pulling the top away with your forefinger. Then lift off the battery cover.



2. Slide the SIM card into the SIM card holder. Make sure the gold contact area on the card is facing downwards.




3. Insert the battery in place by aligning the gold contacts on the phone and the battery.

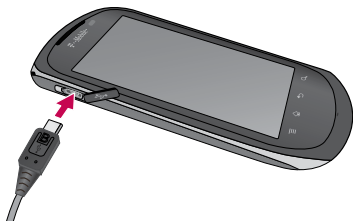


4. Replace the phone's back cover.



Charging your phone

The charger connector is on the top of your LG-C729. Insert the charger and plug it into an electrical socket. Your LG-C729 must be charged until you can see .



NOTE: The battery must be fully charged on first use to extend battery lifetime.

Installing the memory card

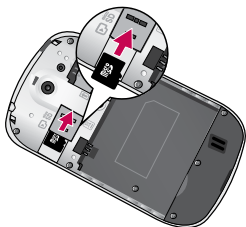
To store multimedia files, such as photographs taken with the built-in camera, you must insert a memory card into your phone.

To insert a memory card:

1. Turn off your phone before inserting or removing the memory card. Remove the back cover.



2. Insert the memory card into the slot. Make sure the gold contact area is facing downwards.



Formatting the memory card

Your memory card may already be formatted. If not, you must format it before you can use it.

NOTE: All files on your memory card are deleted when it is formatted.

1. On your home screen, touch the **Applications** tab to open the applications menu.
2. Scroll down and touch **Settings**.
3. Scroll down and touch **SD card & phone storage**.
4. Touch **Unmount SD Card**.
5. Touch **Format SD card**, then confirm your choice.
6. If you set a pattern lock, enter it and select **Erase Everything**. The card will then be formatted and ready to use.

NOTE: If there is content on your memory card, the folder structure may be different after formatting, as all files will have been deleted.

TIP! If your memory card is already removed, you can use the following steps to format it. Touch **Applications > Settings > SD card & phone storage > Format SD Card.**

! WARNING

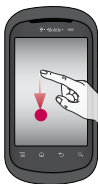
Do not insert or remove the memory card while the phone is on. Otherwise you may damage the memory card and your phone, and the data stored on the memory card may be corrupted. To remove the memory card safely, select **Applications > Settings > SD card&phone storage > Unmount SD card.**

Your Home screen

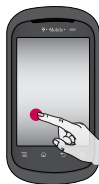
Touch-screen tips

Here are some tips on navigating around your phone.

Touch - To choose a menu/option or open an application, touch it.



Touch and hold - To open an options menu or grab an object you want to move, touch and hold it.



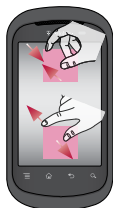
Drag - To scroll through a list, or move slowly, drag across the touch screen.



Flick - To scroll through a list, or move quickly, flick across the touch screen (drag quickly and release).



Pinch and stretch - To zoom in on content while centring the image between the finger tips, pinch on the screen by pressing two fingers down and bringing them together. For stretching content, move the fingers away from each other to zoom out on an image.



NOTE:

- To select an item, touch the center of the icon.
- Do not to press too hard: the touch screen is sensitive enough to pick up a light, steady touch.
- Use the tip of your finger to touch the option you want. Be careful not to touch any other keys.

Lock your phone

When you are not using your LG-C729, press the **Power** key to lock it. This helps to prevent accidental touch on the screen and saves battery power.

If you do not use the phone for a while, whatever screen you are viewing will be replaced by the lock screen to conserve the battery.

NOTE: If there are any programmes running when you set the pattern, they may keep running in lock mode. We recommend you exit all programmes before entering lock mode to avoid unnecessary charges (e.g. for phone calls, web access or data communications).

Unlock screen

To wake up your phone, press the **Power** key. The lock screen will appear. Touch and slide up the lock screen to unlock your home screen. The last screen you viewed will open.

Home

Simply move your finger left or right to view them. You can also customize each panel with widgets, shortcuts to your favorite applications, folders and wallpaper.

NOTE: Some screen images may vary depending on your phone provider.

On your home screen, you can view quick keys on the bottom of the screen. Quick keys provide easy, one-touch access to the functions you use most.



Touch the **Phone** icon to bring up the touch-dialling pad to make a call.



Touch to open your **contacts**.



Touch the **Messaging** icon to access the messaging menu. You can create a new message here.



Touch the **Applications** tab at the bottom of the screen. You can then view all the installed applications. Just touch to scroll through your applications.


To open any application, simply touch the icon in the applications list.

NOTE: Pre-loaded applications may vary depending on your phone's software or your service provider.

Adding widgets to your home screen

You can customise your home screen by adding shortcuts, widgets or folders to it. For added convenience when using your phone, put your favorite widgets on the home screen.



To add an icon to your home screen:

1. On the home screen, touch the **Menu** key  and select **Add**. Alternatively, touch the empty part of the home screen for an extended period.
2. In the **Edit Mode** menu, touch the type of item you want to add.
3. For example, select **Folders** from the list and tap it. Select **Contacts with phone numbers** from the list and tap it.

4. A new folder's icon will appear on the home screen. Drag it to the desired location on the right panel and take your finger off the screen.


TIP! To add an application icon to the home screen from the **Applications** menu, touch and hold the application you want to add.

To remove an application icon from the home screen:

1. Touch and hold the icon you want to remove. The rubbish bin icon  will appear.
2. Drag and drop the application icon to the trash bin icon .

NOTE: You cannot delete pre-loaded applications. (You can only remove their icons from the home screen.)

Getting back to a recently used application

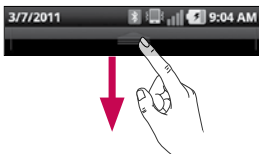
1. Touch and hold the **Home** key . The screen will give a pop up with icons for applications you have used recently.
2. Touch an icon to open its application. Or touch the **Back** key to go back to your current application.


Notification drawer

The notification drawer runs across the top of your screen.



Touch and slide the notification drawer down with your finger.



















Alternatively, on the home screen touch the **Menu** key  and select **Notifications**. Here you can check and manage Wi-Fi, Bluetooth and GPS status, as well as other notifications.



















Viewing the status bar






The status bar uses different icons to display phone information, such as signal strength, new messages, battery life and Bluetooth and data connections.

The table below explains the meaning of the icons you are likely to see in the status bar.

[Status bar]

Icon	Description
	No SIM card
	No signal
	Airplane mode
	Connected to a Wi-Fi network
	Wired headset
	Call in progress
	Call on hold
	Speakerphone
	Phone microphone is muted
	Missed call
	Bluetooth is on
	Connected to a Bluetooth device
	System warning
	Alarm is set
	New voicemail
	Ringer is silenced
	Vibrate mode


Icon	Description
	Battery fully charged
	Battery is charging
	Data in and out
	Phone is connected to PC via USB cable
	Downloading data
	Uploading data
	GPS is acquiring
	Receiving location data from GPS
	On-Screen Phone connected
	3 more notifications not displayed
	Data is synchronising
	Download finished
	New email
	New Gmail
	New Google Talk message
	New message
	Song is playing
	Upcoming event


Icon	Description
	FM radio on in the background
	Portable Wi-Fi hotspot is active
	Portable hotspot is active
	SmartShare On
	SmartShare sharing request

On-screen keyboard


You can enter text using the on-screen keyboard. The on-screen keyboard appears automatically on the screen when you need to enter text. To manually display the keyboard, simply touch a text field where you want to enter text.


Using the keypad & entering text

 Tap once to capitalise the next letter you type. Double-tap for all capitals.


 Tap to switch to the numbers and symbols keyboard. You can also hold this tab down to view the settings menu.

 Tap to view or change the writing language.

 Tap to enter a space.

 Tap to create a new line in the message field.

 Tap to delete the previous character.

 Tap to hide the on-screen keyboard.

Entering accented letters


When you select French or Spanish as the text entry language, you can enter special French or Spanish characters (e.g. á).

For example, to input "á", touch and hold the "a" key until the special characters are shown. Then select the special character you want.

Google Account Set-up

The first time you open the Google application on your phone, you will be required to sign in with your existing Google account. If you do not have a Google account, you will be prompted to create one.

Creating your Google account

1. On the home screen, touch the **Applications** tab  to open the applications menu.
2. Tap **Gmail** and tap **Next > Create** to start the Gmail set up wizard.
3. Touch a text field to open the touch keyboard, and enter your name and username for your Google account. When entering text, you can move to the next text field by touching **Next** on the keyboard.
4. When you have entered your name and username, tap **Next**. Your phone will communicate with Google servers and check username availability.
5. Enter and re-enter your password. Then follow the instructions and enter the required and optional information about the account. Wait while the server creates your account.

Signing in to your Google account

1. Enter your email address and password, then tap **Sign in**. Wait to sign in.
2. After sign in, you can use Gmail and Google services on your phone.
3. Once you have set up your Google account on your phone, it will automatically be synchronized with your Google account on the web. (This depends on your synchronization settings.)

After sign in, you can use Gmail, Google Calendar and Android Market, download applications from Android Market, back up your settings to Google servers and use other Google services on your phone.

IMPORTANT!





- Some applications, such as Calendar, only work with the first Google Account you add. If you plan to use more than one Google Account with your phone, make sure you sign into the one you want to use with these applications first. When you sign in, your contacts, Gmail messages, calendar events and other information from these web applications and services are synchronized with your phone. If you don't sign into a Google account during setup, you will be prompted to sign in or create


one the first time you start an application that requires an account, such as Gmail or Android Market.

- If you want to use the backup feature to restore your settings to this phone from another phone running Android OS or later, you must sign into your Google account now, during setup. If you wait until setup is complete, your settings will not be restored.
- If you have an enterprise account through your company or another organization, your IT department may have special instructions on how to sign into that account.

Calls/Contacts



Making a voice call

1. Touch  to open the keypad.
2. Enter the number on the keypad. To delete a digit, touch the **Clear** icon .
3. Touch the **Call** icon  to make a call.
4. To end a call, touch the **End** icon .

TIP! To enter "+" to make international calls, touch and hold down .

TIP! To bring up the keypad during a call, touch Dialpad.

Making a video call

1. Touch  to open the keypad.
2. Enter the phone number as before.
3. Touch the **Video call** icon  to make a video call.
4. If you do not want to use the speaker phone, touch **Speaker** and make sure you have your headset plugged in.
5. While the video call is connecting, you will see your own image: after the other party answers, you will see their image on the screen. Adjust the inner camera position if necessary.
6. To end a video call, touch **End**.

Private: You can change the image instead of showing the current private one.

Dialpad: Type in a number.

Hold: Mute the microphone and pause the video.

Mute: Mute the microphone.


Speaker: Speaker on or off.

In Video call Menu

Capture - You can capture an image of the other party or your own.

Use back/front camera - Switch cameras.


Calling your contacts

1. Touch  to open your list of contacts.
2. Scroll through the contact list or enter the first letter(s) of the contact you want to call by touching **Search**.
3. In the list, touch the contact you want to call.



Answering and rejecting a call

TIP! Place your phone screen down or press the volume (side) key to mute the sound of an incoming call. Gesture settings must be set beforehand. Tap **Applications > Settings > Gesture > Use motion gestures > Incoming call > tick Mute.**

When screen is locked:

When your phone rings, drag the Decline icon  to the left to Decline/Reject an incoming call.

When screen is unlocked:

When your phone rings, touch the **Accept** icon . Touch the Decline icon  to Decline/Reject an incoming call.






TIP! Excuse messages

When you want to Decline/Reject a call, you can send a message quickly by dragging **Excuse msg** upwards on the screen. This is useful if you need to reply to a message during a meeting.

Adjusting call volume

To adjust the in-call volume during a call, use the volume up & down key on the left side of the phone.

Making a second call

1. During your first call, touch **Dialpad**  and dial the number. Also, you can search your contacts by touching **Contacts**  and select the number you want to call.
2. Touch the **Call** icon  to connect the call.
3. Both calls will be displayed on the call screen. Your initial call will be locked and put on hold.
4. Touch the hold list to toggle between calls.
NOTE: You can touch **Merge calls**  to make a conference call.
5. To end active calls, touch the **End icon** .

Viewing your call logs

On the home screen, touch  and choose the **Call log** tab.

View a complete list of all dialled, received and missed calls.

TIP! Touch any single call log entry to view the date, time and duration of the call.

TIP! Touch the **Menu** key, then touch **Delete All** to delete all the recorded items.

Call settings

You can configure phone call settings, such as call forwarding and other special features offered by your carrier.

1. On your home screen, touch the **Applications** tab to open the applications menu.
2. Scroll down and touch **Settings**.
3. Tap **Call settings** and choose the options you want to adjust.

< Fixed Dialling Numbers >

Select **Fixed Dialling Numbers** to turn on and compile a list of numbers that can be called from your phone. You'll need your PIN 2 code, available from your operator. Only numbers on the fixed dial list can be called from your phone.

< Voicemail >

Voicemail service – Allows you to select your carrier's voicemail service.

Voicemail settings – If you are using your carrier's voicemail service, this option allows you to enter the phone number to use for listening to and managing your voicemail.

< Other call settings >

Call reject – Set to reject calls on list or all calls. If

you make a Call reject list, touch Call reject list > Menu key > New reject entry. Then create New reject entry from Contacts, Call logs or New number.

Call forwarding – You can configure how your calls are forwarded if you're on the phone, if you don't answer, etc.

Additional settings – This lets you change the following settings:

- **Caller ID:** Choose whether to display your number on an outgoing call.
- **Call waiting:** If call waiting is activated, the handset will notify you of an incoming call while you are on another call. (This depends on your network provider.)
- **Select line:** Allow selection of different phone numbers in your SIM.

Call barring – Select when you would like calls to be barred. Enter the call barring password. Please check with your network operator about this service.

Call costs – View the charges applied to your calls. (This service is network dependent: some operators do not support this function.)

Call duration – View the duration of all calls, dialled calls, received calls and the last call.

Excuse messages – When you reject a call, you can send a message quickly using this function. This is


useful if you need to reply to a message during a meeting.

Video call settings – Change your video call settings.




Contacts


You can add contacts on your phone and synchronize them your Google account contacts or those in other accounts that support contact synchronisation.

Searching for a contact

1. On the home screen, touch  to open your contact list.
2. Touch **Search** and enter the contact name using the keypad.

Adding a new contact


1. On the home screen, touch , and enter the new contact's number, then touch the **Menu key** , and touch **Add to contacts**. Then choose whether to **create new contact** or **Add to the existing**.
2. If you want to add a picture to the new contact, touch .
Choose between **Capture picture** or **Pick from gallery**.

3. Select the contact type by touching .
4. Touch a text field to open the touch keyboard and enter a new contact's name.
5. Touch a contact information category and enter your contact's details.
6. Touch **Save** to save the contact.


Favorite contacts

You can assign frequently-called contacts as favourites.

To add a contact to your favorites:

1. On the home screen, touch  to open your contact list.
2. Touch a contact to view their details.
3. Touch the star to the right of the contact's name. The star will turn gold.

To remove a contact from your favorites list:



1. On the home screen, touch  to open your contact list.
2. Touch the **Groups** tab and select **Favourites**. Touch a contact to view their details.
3. Touch the gold star to the right of the contact's name. The star will turn grey and the contact will be removed from favorites.

Messaging/E-mail

Messaging

Your LG-C729 combines SMS and MMS into one intuitive, easy-to-use menu.

Sending a message

1. Touch the  icon on the home screen to open a blank message.
2. Enter a contact name or call number in the **To** field. As you enter the contact name, matching contacts will appear. You can touch a suggested recipient. You can add multiple contacts.
NOTE: You will be charged for a text message for every person you send the message to.
3. Touch **Enter message** below to start entering your message.
4. Touch **Send** to send your message.
TIP! You can touch the  icon to attach the file you want to send with your message.
5. The message screen opens, with your message after your name. Responses will appear on the screen. As you view and send additional messages, a message thread will be created.

! WARNING: The 160-character limit may vary from country to country, depending on language and how the SMS is coded.

! WARNING: If an image, video or audio file is added to an SMS message, it will be automatically converted into an MMS message and you will be charged accordingly.

NOTE: If you get an SMS message during a call, there will be a ring notification.

Changing your message settings

Your LG-C729 message settings are pre-defined, so you can send messages immediately. You can change these settings based on your preferences. Touch the **Messaging** icon on the home screen and touch the **Menu** key, then tap **Settings**.

Setting up your email

Touch the **Applications** tab and select **Email**. If the email account is not set up, you need to start the email set up wizard.

TIP! If an email account is already set up, the wizard is not activated automatically.

You can select mailbox type **MS Exchange** or **Others**.

Microsoft Exchange email account

Email address – Enter the account email address.

User name – Enter the account username.

Password – Enter the account password.

Domain – Enter the account domain (optional)

Server address – Enter the server address

Use SSL – Choose whether or not to use SSL
SSL for Microsoft Exchange.

Touch the Next button to connect the server.

Setup complete page will appear: you will need to enter "name" for account display and My name.

The account will now appear in the list of accounts in your Email folder.

Other (POP3, IMAP) email account

Email address – Enter the account email address.

Password – Enter the account password.

Setup complete page will appear and you will need to enter "name".

The account will now appear in the list of accounts in your Email folder.

POP3 / IMAP4 – Select protocol type, either POP3 or IMAP4.

Incoming server – Enter the incoming email server address.

Secure type – TLS/SSL/Off.

Port number – Normally each account's default number will be displayed.

Outgoing server – Enter the outgoing email server address.

SMTP Secure type – TLS/SSL/Off.

Port number – Normally each account's default number will be displayed.

The Accounts screen

The **Accounts** screen lists your **Combined Inbox** and each of your email accounts.

- Touch the **Application** tab and select **Email**. The **Account list** screen appears.

TIP! In account lists, tap and hold an e-mail account to place the icon shortcut on the homescreen Touch the icon to go to straight to the inbox.

You can touch an account to view its **Combined Inbox**. The default account from which you send email is indicated with a tick.

To open your Combined Inbox:


If you have configured email to send and receive email from more than one account, you can view all messages sent to all accounts in your **Combined Inbox**.

1. Touch **Email**.
2. Touch **Combined Inbox** (on the **Accounts** screen). Messages in the **Combined Inbox** are color-coded on the left, by account, using the same colors used for your accounts in the **Accounts** screen.

Composing and sending email


To compose and send a message:

1. In the **Email** application, touch the **Menu** key, then touch **Compose**.
2. Enter an address for the message's intended recipient. As you enter text, matching addresses will be offered from your contacts. Separate multiple addresses with commas.
3. Touch the **Menu** key and then touch **Add Cc/Bcc** to copy or blind copy to other contacts/email addresses.
4. Enter the text of the message.

5. Touch **Attach**  to attach the file you want to send with your message.

6. Touch **Send**.

If you're not ready to send the message, touch the **Menu** key and the touch **Save as** draft to save it in a **Drafts** folder. Touch a message in a **Drafts** folder to resume working on it. Your message will also be saved as a draft if you touch the **Back** key

 before sending it. Touch **Discard** to abandon and delete a message, including any saved drafts. If you aren't connected to a network, for example if you're working in airplane mode, the messages you send are stored in your **Outbox** folder until you're connected to a network. If it contains any pending messages, the **Outbox** will be displayed on the **Accounts** screen.

Please note that messages sent using an Exchange account will not be stored on the phone: they will be stored on the Exchange server itself.

If you want to see your sent messages in the **Sent** folder (or with the **Sent** label), you may need to open the **Sent** folder/label and select **Refresh** from the options menu.

Working with account folders

Each account has **Inbox, Outbox, Sent, Drafts, Trash Bin and Junk folders**. Depending on the features your account service provider supports, you may have additional folders.

Editing email accounts

To add an email account:

1. Touch the **Applications tab** and select **Email**.
2. Select **MS Exchange** or **Other**. If an email account is already set up, the wizard is not activated automatically. In this case, you need to touch the **Menu** key then tap **Add account**.

To change account settings:

1. Open the **Accounts** screen.
2. Touch the **Menu** key and select **Settings**.

To delete an email account:

1. Open the **Accounts** screen.
2. Touch and hold the account you want to delete.
3. Touch **Remove account** in the menu that opens and touch **OK** in the dialogue box to confirm.



Social networking

You can use your phone for social networking and to and manage your on-line community micro blogs. You can update your current status, upload photos and view your friends' status updates.



If you don't have an account, you can visit the website to set one up.

NOTE: Additional costs may be incurred when connecting to and using online services. Check data charges with your network provider.

Adding your account to your phone

1. Touch and hold the home screen. When various Widgets appear, choose **Social+**  and tap the  **Setting button**. YThis can also be accessed by choosing **Applications > Settings > Accounts & sync > Social+ settings**.
2. Choose a social networking client application you want to use from Facebook, Twitter and MySpace.
3. Enter your community email address and password, then tap **Log in**.
4. Wait while your details are confirmed with your community.
5. If you tap your community, you can see the its current status.

Viewing and updating your status

1. You can view and update social community content using the **Social+**  widget at any time.
2. On the **Social+**  widget, choose the Social Networks service you logged into to. You will then see your status and contents.
3. When you touch the input box, the screen will switch to update your current status with comments or upload photos.

TIP! You can update your status simultaneously by checking the SNS services you want to upload from **Facebook**, **Twitter** and **MySpace**.

NOTE: This is dependent on network services.

TIP! You can use information about friends on the social networking site only, or synchronise all data to contacts.

Removing accounts from your phone

1. Choose **Applications > Settings > Accounts & sync**.
2. Choose the account you want to delete, then touch **Remove account**.

What's New

Show notifications for a Missed call, an Unread message, Voice mail, Email, Twitter, Facebook and MySpace in priority order. Notifications over a certain period of time are shown.

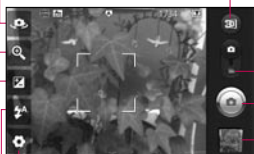
1. Choose **Applications** > **What's New**.
2. By tapping the  button, you can choose between list view or category view.

Photos and videos

Getting to know the viewfinder (Camera)

Zoom - Zoom in or out. Alternatively, you can use the side volume keys.

Switch camera - You can move to the forward facing camera from the rear camera.



Transition between 2D - 3D modes - Touch to switch photo shoot mode between 2D and 3D.

Video mode - Slide this icon down to switch to video mode.

Taking a photo

Gallery - Touch the last photo you took to view. This enables you to access your gallery and view saved photos within camera mode.


Settings - Touch this icon to open the settings menu. See Using the advanced settings.

Flash - Allows you to turn on the flash when taking a photo in a dark place.

Brightness - This defines and controls the amount of sunlight entering the image. Slide the brightness indicator along the bar towards "-" to lower the image brightness or towards "+" to increase it.

TIP! You can close all shortcut options to give a clearer viewfinder screen. Just touch the centre of the viewfinder once. To restore the options, touch the screen again.

Taking a quick photo

1. Open the **Camera** application.
2. Holding the phone, point the lens towards the subject you want to photograph.
3. Touch the shutter icon .
4. The camera brings the image into focus. When the image is in focus, the focus indicators in each corner turn green and the camera takes a picture.

Notice: A shading issue may occur when you take a picture indoors, due to the characteristics of the camera. (Shading means a color difference between center and sides.)




Once you've taken the photo

Your captured photo will appear on the screen.


Share Touch to share it via **Bluetooth, Picasa, Messaging, Facebook for LG, MySpace for LG, Twitter for LG, Gmail or Email.**

NOTE: Additional charges may apply when MMS messages are downloaded while roaming.

TIP! If you have a social networking site account and set it up on your phone, you can share your photos with your community.

- Edit** Touch to edit the photo you took.
- Set as** Touch to set the image as **Contact icon** or **Wallpaper**.
- Rename** Touch to edit the name of the selected picture.
-  Touch to delete the image.
-  Touch to take another photo.
-  Touch to view the last photo you took.

Using the advanced settings (Camera)

In the viewfinder, touch  to open all the advanced options.

You can change the camera setting by scrolling the wheel. After selecting an option, touch the **Back** key.

Focus – Select the focus option from **Auto**, **Macro**, **Continuous AF** and **Face tracking**.

Image size – Touch to set the size (in pixels) of the picture you are taking.

Scene mode – Choose between **Auto**, **Portrait**, **Landscape**, **Sports**, **Sunset** and **Night**.

White balance – Choose between **Auto**, **Incandescent**, **Sunny**, **Fluorescent** and **Cloudy**.

Color effect – Choose a colour tone for your new photo. Choose between **None**, **Sepia**, **Mono** and **Negative**.

Timer – The self-timer allows you to set a delay before a picture is taken after pressing the shutter.

Shot mode – Select shooting mode from Normal or Continuous shot.

Image quality – Choose between **Super Fine**, **Fine** and **Normal**. The finer the quality, the sharper the photo. However, the file size will be larger, meaning you'll be able to store fewer photos in the memory.

Auto review – If you set **Auto review** to on, it will automatically show you the picture you have just taken.

Shutter sound – Select one of the four shutter sounds.

Tag location – Activate to use your phone's location-based services. Take pictures wherever you are and tag them with the location. If you upload tagged pictures to a blog that supports geotagging, you can see the pictures displayed on a map.

NOTE: This function is only available when location service is activated.

Storage – Select either **Internal SD card** or **External SD card** to save images.



Restore all camera default settings.




Touch this if you want to know how this function operates. The following gives you a quick guide.

TIP! When you exit the camera, some settings will return to their defaults. Check the camera settings before you take your next photo.

TIP! The settings menu is superimposed over the viewfinder, so when you change image color or quality features you will see the image preview change behind the settings menu.

Viewing your saved photos

1. You can access your saved photos from within camera mode. Just touch  and your gallery will appear on the screen. Touch the photo on the screen. You will then see **Slideshow** and **Menu**.



Touch to see slide show. Touch **Menu** and select the options you want.



Touch to share the contents.



Touch to delete a photo.



Touch **More** for more options, as below.

Details - Find out more information about the content.

Set as - Set as contact icon or wallpaper.

Crop - Crop your photo. Move your finger across the screen to select an area.

Rotate - Rotate left or right.

Edit - Touch to edit the image using various tools.

Getting to know the viewfinder(Video camera)

Zoom - Zoom in or out. Alternatively, you can use the side volume keys.

Switch camera - You can move to the internal camera from the external one.



Transition between 2D - 3D mode - Touch to switch photo shoot mode between 2D and 3D.

Camera mode - Slide this icon up to switch to camera mode.

Start recording

Gallery - Touch to view the video you recorded last. This enables you to access your gallery and view your saved videos from within the video mode.





Settings - Touch this icon to open the settings menu. See Using the advanced settings.

Flash - Allows you to turn on the flash when taking a photo in a dark place.

Brightness - This defines and controls the amount of sunlight entering the image. Slide the brightness indicator along the bar towards "-" to lower the image brightness or towards "+" to increase it.

TIP! You can close all shortcut options to give a clearer viewfinder screen. Just touch the center of the viewfinder once. To restore the options, touch the screen again.

Shooting a quick video

1. Open the **Camera** application and slide the camera mode button down to the **Video** position. The shutter icon  will change to .
2. The video camera viewfinder will appear on the screen.
3. Holding the phone, point the lens towards the subject of the video.
4. Touch the start video icon .
5. REC will appear at the bottom of the viewfinder with a timer showing the length of the video.
6. Touch the stop video icon  to stop recording.

After shooting a video


A still image representing your video will appear on the screen.

Play Touch to play the video.

Share Touch to share your video via **Bluetooth**, **Email**, **Gmail**, **Messaging** or **YouTube**.

NOTE: Additional charges may apply when MMS messages are downloaded while roaming.

Rename Touch to edit the name of the selected video.

 Touch to delete the video you made and confirm by touching **Yes**. The viewfinder will reappear.




Touch to shoot another video straight away.



Touch to view the last video you recorded.

Using advanced settings (Video camera)

Using the viewfinder, touch  to open all the advanced options.

Adjust the video camera settings by scrolling the wheel. After selecting an option, touch the **Back** key.

Video size – Touch to set the size (in pixels) of the video you will record. Set the video image size as 1080P(1920x1080), 720P(1280x720), TV(720x480), VGA(640x480), QVGA(320x240) or QCIF(176x144).

White balance – The white balance ensures white areas in your video are realistic. To enable your camera to adjust the white balance correctly, you may need to determine the light conditions. Choose between **Auto, Incandescent, Sunny, Fluorescent** and **Cloudy**.

Color effect – Choose a color tone to use for your new view. Choose between **None, Sepia, Mono** and **Negative**.

Video quality – Choose between **Super Fine, Fine** and **Normal**.


Duration – Set a time limit for your video. Choose between **Normal** and **MMS** to limit the maximum size to send as an MMS message.

Audio recording – Choose **Mute** to record a video without sound.


Auto review – If you set this to **On**, it will automatically show you the video you have just recorded.

Storage – Select either **Internal SD card** or **External SD card** to save videos.

 Reset all video camera settings.

 Touch this if you want to know how this function operates. The following gives you a quick guide.

Watching your saved videos

1. In the viewfinder, touch  on the lower right-hand corner.
2. Your gallery will appear on the screen.
3. Touch a video once to bring it to the front of the gallery. It will start to play automatically.

Adjusting the volume when viewing a video

To adjust the volume of a video while it is playing, use the volume keys on the left side of the phone.

3D photos and videos



Taking a 3D Photo



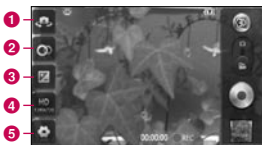
- ❶ **Switch camera** - You can move to the internal camera from the external one.
- ❷ **3D focus**- You can manually fine-tune 3D focus by adjusting the amount of overlapping with a bar that appears at the bottom. Before starting to take a 3D picture, you can use this function.
- ❸ **Brightness** - This defines and controls the amount of sunlight entering the video. Slide the brightness indicator along the bar towards "-" to lower the video brightness or "+" to increase it.
- ❹ **3D Photo size** - Touch to set the size of the 3D photo you will take. Set your 3D photo image size as 3M, 2M or 1M.

- 5 Settings** - Touch this icon to open the settings menu. See Using the advanced settings.

3D focus mode - Select the auto 3D focus option from Border, Center. Border uses a border area for optimizing the amount of overlapping. Center uses a center area for it. You can also find-tune manually with 3D focus function of viewfinder.



1. Open the Camera application.
2. Touch the 3D button  on the viewfinder.
3. Holding the phone, point the lens towards the subject you want to photograph.
4. Touch the shutter icon .
5. The camera brings the image into focus. When the image is in focus, the focus indicators in each corner turn green and the camera takes a picture.




Recording a 3D Video



- 1 Switch camera** - You can move to the internal camera from the external one.

- 2 **3D focus** - You can manually fine-tune 3D focus by adjusting the amount of overlapping with a bar that appears at the bottom. Before starting to take a 3D video, you can use this function. You can't adjust this function while recording.
- 3 **Brightness** - This defines and controls the amount of sunlight entering the video. Slide the brightness indicator along the bar towards "-" to lower the video brightness or "+" to increase it.
- 4 **3D Video size** - Touch to set the size (in pixels) of the 3D video you will record. Set your 3D video image size as HD (1280x720), D1 (720x480) or VGA (640x480).
- 5 **Settings** - Touch this icon to open the settings menu. See Using the advanced settings.
 - 3D focus mode** - Select the auto 3D focus option from Border, Center. Border uses a border area for optimizing the amount of overlapping. Center uses a center area for it. You can also find-tune manually with 3D focus function of viewfinder.
 - Stabilization** - Set On to compensate unsteady hand.


1. Open the Camera application and slide the camera mode button down to the Video position. The shutter icon  will change to .

2. The video camera viewfinder will appear on the screen, touch the 3D button .
3. Holding the phone in landscape view, point the lens towards the video subject.
4. Touch the start video icon . REC will appear at the bottom of the viewfinder, along with a timer showing the length of the video.
5. Touch the stop video icon  to stop recording.

NOTE

- 3D camera mode is only allowed in landscape view.
- Keep the distance between the camera and the object more than 0.5m.
- For the optimal 3D viewing experience, hold the device 30~40cm away from your eyes.

3D Space

Press and hold the 3D key on the right side of the phone to access  3D Space. It will show you 3D content such as YouTube 3D, 3D Gallery, 3D Camera and 3D guide.




YouTube 3D

1. Touch YouTube 3D to launch. As the screen switches to YouTube 3D web, various 3D videos appear.
2. Select a video you want to watch. The video will be shown in side by side format in portrait mode.
3. Rotate to landscape and 3D mode will turn on automatically.



3D Gallery


1. Touch the  3D Gallery. The 3D images will then be listed.
2. Choose one you want to see.

NOTE

- 3D content is best viewed with the screen 30~40cm in front of you.
- To enjoy the 3D effect, the content needs to be set in the right 3D format. If the content is not shown in 3D, change the format using the 3D formatter.




3D Camera

1. Touch the  3D Camera and the screen will switch to 3D camera mode. To create 3D photos and 3D recordings, see the 3D photos and videos on previous pages.



3D Game & Apps

1. Touch  3D Game & Apps and any 3D Games and Applications you have downloaded from Market will be listed. Four applications, such as Asphalt6, Let's Golf2, Nova, Gulliver's Travels, are provided as default settings.



3D Guide


The 3D Guide contain instructions that makes 3D content easier to use with this phone. It will advise you how to create 3D pictures, connect to 3D TV via HDMI, view 3D content and share them.

Multimedia

Gallery

You can also save your files to an external memory card. The advantage of using a memory card is that you can free up memory space on your phone.

Touch the **Applications** tab, then select **Gallery**.

1. You can access your saved photos from within camera mode. Just touch  and your gallery will appear on the screen. Touch the photo on the screen. You will then see **Slideshow** and **Menu**.



Touch to see slide show. Touch **Menu** and select the options you want.



Touch to share the content.



Touch to delete a photo.



Touch **More** for more options, as below.

Details - Find out more information about the content.

Set as - Set as contact icon or wallpaper.

Crop - Crop your photo. Move your finger across the screen to select an area.

Rotate - Rotate left or right.

Edit - Touch to edit the image using various tools.

NOTE: You can access 3D content in Gallery.

To view MPO files,

1. Select the image you want to watch.
2. Rotate to landscape and touch the MPO viewer.
3. Tilt your phone.





To view 3D content,

1. Select the image you want to watch.
2. Rotate to landscape and 3D mode turns on.
3. For more information, refer to the 3D Guide.

Music

Your LG-C729 has a built-in player that lets you play all your favorite music. To access the music player, touch the Applications tab then select Music.

Playing a song

1. On the home screen, touch the **Applications** tab and select **Music**.
2. Touch **Songs**.
3. Select the song you want to play.
4. Touch  to pause the song.
5. Touch  to skip to the next song.
6. Touch  to go back to the start of the song.
Touch  twice to go back to the previous song.

To adjust the volume while listening to music, touch the up and down volume keys on the left side of the phone.

Touch and hold any song in the list. It will display **Play, Add to playlist, Use as ringtone, Delete** and **Share** as options.

NOTE: Music file copyright may be protected by international treaties and national copyright laws. You may therefore need to obtain permission or a licence to reproduce or copy music. In some countries, laws prohibit private copying of copyrighted material. Before downloading or copying a file, please check the laws of the relevant country governing the use of such material.

Using the radio

Your LG-C729 has a built-in FM radio, so you can tune in to your favorite stations and listen while on the move.

NOTE: You must attach your headphone to listen to the radio. Insert it into the headphone jack.


Searching for stations

You can tune in to radio stations by searching for them manually or automatically. They will then be saved to specific channel numbers, so you don't have to keep re-tuning.

1. On the home screen, touch the **Applications** tab and select **FM Radio**.
2. Touch **Scan FM Radio stations**.
3. If there are pre-set channels, you will see a pop-up with 'All channels will be reset. Continue?'. If you choose **OK**, all pre-set channels will be deleted and auto scan will start.
4. During auto scanning, touch **Stop scanning** if you want to stop scanning. Only channels scanned in before you stop scanning will be saved.

NOTE: You can also tune into a station manually, using the wheel displayed.

Listening to the radio

1. On the home screen, touch the **Applications** tab and select **FM radio**.
2. Touch the channel number of the station you want to listen to.
3. Touch the  icon. You can listen to the radio via the built-in speaker.

NOTE: Earphones need to remain plugged in as antenna to listen to the radio.

Transferring files using USB mass storage devices

To transfer files using USB devices:

1. Connect the LG-C729 to a PC using a USB cable.
2. If you haven't installed LG Android Platform Driver on your PC, you will need to change settings manually. Choose **Settings > SD card & phone storage > Mass storage only** and connect your phone to your PC using the USB data cable.
3. Touch **Turn on USB storage**.
4. You can view the mass storage content on your PC and transfer files.

NOTE: You will need to install your microSD card first. Without a microSD card, you cannot use USB mass storage.

How to save music/video files to your phone

1. Connect your phone to the PC using the USB cable.
 - Touch and drag down the status bar on the home screen. Select **USB connected > Turn on USB storage > Open folder to view files**.
 - If you haven't installed LG Android Platform Driver on your PC, you will need to set it

manually. For more information, refer to 'Transferring files using mass storage devices'.

2. Move music or video files from your PC to the phone's removable storage.
 - You can copy or move files from a PC to the phone's removable storage using a card reader.
 - If there is a video file with a subtitle file (a .smi or .srt file with the same name as the video file), put them in the same folder to display the subtitle automatically when playing the video file.
 - When downloading music or video files, copyright must be respected. Please note that a file that is corrupted or has the wrong extension may cause damage to your phone.

How to send data from your phone via Bluetooth

You can send data via Bluetooth by running a suitable application, rather than from the Bluetooth menu as with normal mobile phones.

- **Sending pictures:** Run the **Gallery** application and select **Picture > Menu**. Click **Share** and select **Bluetooth > Check if Bluetooth is turned on** and select **Scan for devices >** Choose the device you want to send data from the list.

- **Exporting contacts:** Run the **Contacts** application. Touch the address you want to export to. Touch the **Menu** and select **Share > Bluetooth** > Check if **Bluetooth is turned on** and select **Scan for devices** > Choose the device you want to send data from on the list.
- **Sending multiple contacts:** Run the **Contacts** application. To select more than one contact touch the **Menu** key and touch the Menu key and touch Share. Select the contacts you want to send or touch **Select all > Share > Bluetooth** > Check if **Bluetooth is turned on** and select **Scan for devices** > Choose the device you want to send data from on the list.
- **Connecting to FTP (Only FTP servers are supported on this handset):** **Settings > Wireless & networks > Bluetooth settings.** Then select the **Discoverable** tickbox and search for other devices. Find the service you want and connect to the FTP server.

TIP! Its is Bluetooth version 2.1+EDR, certified by Bluetooth SIG. It is compatible with other Bluetooth SIG certified devices.

NOTE: If you want to search for this phone from other devices, go to **Settings > Wireless & Networks > Bluetooth settings.** Then select the **Discoverable** tickbox. The tickbox is cleared after 120 seconds.

NOTE: The following profiles are supported: SDAP, HFP, HSP, OPP, PBAP (server), FTP (server), A2DP and AVRCP.

HDMI

HDMI (High Definition Multimedia Interface) is a compact audio/video interface for transmitting uncompressed digital data. If your phone is connected to a TV or PC via an HDMI cable, you can see the image and video file through the TV or PC when the video player/image viewer is visible on your phone screen.

NOTE: 3D content may not be transmitted automatically due to differences in the HDMI Version that 3D TV supports.

Utilities

Setting your alarm

1. On the home screen, touch the **Applications** tab and select **Alarm Clock**.
2. If you want to add a new alarm, touch **New alarm**.
3. Set the alarm and touch **Save** to turn it on.

NOTE: To delete the alarm on the alarm list screen, touch the Menu key and select Delete/Delete all.

Using your calculator

1. On the home screen, touch the **Applications** tab and select **Calculator**.
2. Touch the number keys to enter numbers.
3. For simple calculations, touch the function you want (+, −, x or ÷) followed by =.
4. For more complex calculations, touch **Menu** and **Advanced panel**, then choose sin, cos, tan, log, etc.

NOTE: As a standard unit of angle measure, radian is only supported by this calculator.





Adding an event to your calendar

1. On the home screen, touch the **Applications** tab and select **Calendar**.
2. You must first create a Google account to use **Calendar**.

3. To check the event, touch the date. Hold it down if you want to add a new event. Then touch **New event**.
4. Touch **What**, then enter the event name. Check the date and enter the time you want your event to start and finish.
5. Then touch **Where** and enter the location.
6. To add a note to your event, touch **Description** and enter the details.
7. If you want to repeat the alarm, set **Repetition** and set **Reminders** if necessary.
8. Touch **Done** to save the event in the calendar. A colored square in the calendar will mark all days that have saved events. An alarm will sound at the event start time to help you stay organized.

Recording a sound or voice

Use the voice recorder to record voice memos or other audio files.

1. On the home screen, touch the **Applications** tab and select **Voice Recorder**.
2. Touch  to start recording.
3. Touch  to stop recording.
4. Touch  to listen to the recording.
5. Touch  to access your album. You can listen to the saved recording.

Notice: Available recording time may differ from the real time.

Sending the voice recording

1. Once you have finished recording, you can send the audio clip by touching **Share**.
2. Choose between **Bluetooth, Email, Gmail** and **Messaging**. When you select **Email, Gmail** and **Messaging**, the voice recording will be added to the message you write, and it will be sent as normal.

The Web

Browser

Browser gives you a fast, full-color world of games, music, news, sports, entertainment and much more, right on your mobile phone - Wherever you are and whatever you're into.

NOTE: Additional charges apply when connecting to these services and downloading content. Check data charges with your network provider.

< Tool bar >

The icons bar on the screen below makes it easier to use the browser.



Backward: Move to the previous web page.



Forward: Move to the next web page.



Windows: Show all your open windows.



New windows: Open a new window.



Settings: Move to Browser settings.

Using options

Touch the **Menu** key to view options.




Read it later: Added in Read it later.




Share page: Send the web page via Bluetooth, Email, Facebook, Gmail, Messaging and so on.



Find on page: If you enter a letter or word, it will mark all the letters you entered from on the web page.

 **Select text:** Touch and select the lines you want to copy. You can paste it into any input box by touching it for an extended period.

 **Add RSS Feed:** Add your favorite web page. When a new item appears on the site, you will automatically be notified by Google reader.

NOTE: RSS (Really Simple Syndication) is a family of web feed formats used to publish frequently updated content, such as blog entries, news headlines or podcasts. An RSS document, called a feed, web feed or channel, contains either a summary of content from an associated website or its full text. RSS makes it possible for people to keep up-to-date with their favourite websites in an automated way that is easier than checking manually. The user subscribes to a feed by entering its link into the reader or clicking an RSS icon in a browser that starts the subscription process. The reader checks the user's subscribed feeds regularly for new content, and downloads any updates it finds. For unavailable RSS Feed webpages, the 'Add RSS Feed' icon menu will be disabled.



More

- **Home page:** Move to Home page.
- **Set home page:** Set the current page as your home page.
- **Page info:** Show the web page information.
- **Downloads:** Show downloaded history.

Google applications

1. First, set up a Google account. Enter your user name and password.
2. After signing in, the contacts, email and calendar in your Google account will automatically synchronize with your LG-C729.

Maps

Check your current location and traffic and receive directions to your destination. Your phone must be connected to Wi-Fi or 3G/GPRS.

NOTE: Google Maps does not cover all cities and countries.

Market

Android Market lets you download applications and games. If you install applications and games from Android Market, they will appear in the LG-C729 menu.

You can check other peoples' comments regarding an application, or post your own comments.

Gmail

Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail on your phone is automatically

synchronized with your Google account on the web. The inbox conversations list will be your default Gmail view.

Touch the **Menu** key, then touch **Refresh** to send or receive new emails and to synchronize your emails with your Google account on the web. With the **Menu** key, you can compose an email, add accounts, go to labels, search, etc.

Talk

Google Talk is Google's instant messaging programme. It lets you communicate with other people who use Google Talk.

Touch the **Menu** key and select the available options as below: **All friends, Add friend, Search, Sign out, Settings, etc.**

Google Search

Google Mobile Web Search allows you to search for websites.

Settings

On the home screen, touch the **Application** tab then scroll and touch **Settings**.

Wireless & Networks

Here, you can manage Wi-Fi, SmartShare and Bluetooth. You can also set mobile networks and airplane mode.

Airplane mode – After setting Airplane mode, all wireless connections will be disabled.

Wi-Fi – Touch to select: This turns on Wi-Fi to connect to available Wi-Fi networks.

Wi-Fi settings – Allows you to set up and manage wireless access points. Set network notification or add a Wi-Fi network. The advanced Wi-Fi settings screen is accessed from the Wi-Fi settings screen. Touch the **Menu** key and touch **Advanced**.

SmartShare settings – Allows you to change the device name and select content type to be shared.

Bluetooth – Touch to select: Turns on Bluetooth to connect to Bluetooth devices.

Bluetooth settings – Set device name & discoverable mode, scan for other devices. Alternatively, check a list of Bluetooth devices you've previously configured plus those detected when the phone last scanned for Bluetooth devices.

Tethering & portable hotspot – Tether your phone to your computer with a USB cable to share your phone's Internet connection with your computer and turn your phone into a Wi-Fi access point to share your phone's Internet connection with additional computers or devices.

VPN settings – Displays the list of Virtual Private Networks (VPNs) that you've previously configured. Allows you to add different types of VPNs.

Mobile network settings – Set options for data roaming, network mode & operators, access point names (APNs) etc.

On-Screen Phone settings – Allows you to change the On-Screen Phone password (the default password is "0000"). On-Screen Phone allows you to view your mobile phone screen from a PC via a USB or Bluetooth connection. You can also control your mobile phone from your PC, using the mouse or keyboard.

Sound

< General >

Silent mode – Allows you to silence all sounds (including call and notification ringtones) except the audio from music and videos, and any alarms you have set. (Media and alarms must be silenced from their own applications.)

Notice: After setting silent mode it is not available to use **Settings > Sound > Volume** menu.

Vibrate – Allows you to set your phone to vibrate when you receive an incoming call.

Volume – Allows you to set the volume for ringtones, media and alarms. If you un-select the option to use the same volume for calls and notifications, you can set the volumes for each separately.

< Incoming calls >

Phone ringtone – Allows you to set your default incoming call ringtone.

< Notifications >

Notification ringtone – Allows you to set your default notification ringtone.

< Feedback >

Audible touch tones – Allows you to set the phone to play tones when dialling numbers using the dial keypad.

Audible selection – Allows you to set your phone to make a sound when you touch buttons, icons and other on-screen items that are touch-sensitive.

Screen lock sounds – Allows you to set your phone to make a sound when locking and unlocking the screen.

Haptic feedback – Allows you to set your phone to vibrate briefly when you touch the soft keys and carry out other actions.

Display

Brightness – Adjust the brightness of the screen.

Auto-rotate screen – Allows you to set the orientation to switch to landscape mode or portrait mode automatically when you turn the phone on its side or upright.

Animation – Allows you to set animated transitions when navigating from screen to screen.

Screen timeout – Allows you to adjust the delay time before the screen automatically turns off. For best battery performance, use the shortest convenient timeout.

Display font - Change the display font.

Gesture

Use motion gestures - Adjust the gesture settings for the text input field, incoming calls and for use with the alarm.

Reset gesture sensor - Calibrate the motion sensor with the phone placed on a flat surface.

<Text input field>

Allows the cursor to move in the text field, when you tap a side of the phone(top/bottom/left/right).

<Incoming call>

Mute - Allows you to mute the sound by flipping the phone over while the phone is ringing.

<Alarm>

Snooze (stop) - Allows you to snooze(stop) the alarm by flipping the phone over.

Location & security

< My Location >

Use wireless networks - If you select **Use wireless networks**, your phone will determine your approximate location using Wi-Fi and mobile networks.

Use GPS Satellites - If you select **Use GPS satellites**, your phone will determine your location with street-level accuracy.

< Screen unlock>

Set up screen lock - Set an unlock pattern to

secure your phone. This opens a set of screens that guide you through drawing a screen unlock pattern. You can set a **PIN** or **Password** instead of a **Pattern**, or leave the option as **None**.

TIP! To lock your screen by using the Pattern Lock

1. The first time you do this, a short tutorial about creating an unlock pattern appears.
2. You will be prompted to draw and redraw your own pattern.
The next time you turn on your phone or wake up the screen, you will be prompted to draw your unlock pattern to unlock the screen.

< SIM card lock >

Set up SIM card lock – Set up SIM card lock or change SIM PIN.

< Passwords >

Visible passwords – Select to show passwords as you type them, or deselect to hide them as you type them.

< Device administration >

Select device administrators – Add or remove device administrators.

< Credential storage >

Use secure credentials – Select to allow applications to access your phone's encrypted store of secure certificates, related passwords and other credentials. Credential storage is used to establish some kinds of VPN and Wi-Fi connections. If you have not set a credential storage password, this setting is greyed out.

Install from SD card – Allows you to install encrypted certificates from a microSD card.

Set password – Allows you to set or change the password for your secure credential storage. Your password must have at least eight characters.

Clear storage – Deletes all secure certificates and related credentials and erases the secure storage's own password.

Applications

Unknown sources – Permits installation of applications you get from websites, email or other locations than Android Market.

! WARNING: Depending on the applications you install, the mobile phone may not operate correctly and could be illegally used to establish your location and gain access to personal information via the Internet. To protect your phone and personal data, only download applications from trusted sources such as Android Market.

Manage applications – Manage and remove installed applications.

Running services – Allows you to view and control services and applications that are currently running. This option displays what processes each running service needs, and how much memory it is using.

Development – Allows you to set options for application development, such as **USB debugging**, **Stay awake** and **Allow mock locations**.

Accounts & sync

<General sync settings >

Background data – Permits applications to synchronise data in the background, whether or not you are actively using them. Un-selecting this setting can save battery power, and will lower (but not eliminate) data use.

Auto-sync – Permits applications to synchronise, send and receive data on their own schedule.

< **Manage accounts** >

List of all Google accounts and other accounts you've added to your phone.

If you touch an account in this screen, its account screen will open.

Privacy

< **Personal data** >

Factory data reset – Erases all your personal data from internal phone storage, including information about your Google account and any other accounts, your system/application data and settings, any downloaded applications and your DRM licence. Resetting the phone will not erase any system software updates you have downloaded or any files on your microSD card, such as music or photos. If you reset the phone this way, you will be prompted to re-enter the same information as when you first started Android.

SD card & phone storage

< SD card >

Check total space and available space. Touch **Unmount External SD card** to remove it safely. **Format External SD card**, if you want to delete all data from the microSD card. You must unmount a microSD card before you can format it.

< Internal phone storage >

Check the **Available space**.

Language & keyboard

Use the **Language & keyboard** settings to select the language and region for the text on your phone and for configuring the on-screen keyboard, including words you've added to its dictionary.

Voice input & output

< Voice input >

Voice recogniser settings – Use the **Voice recogniser settings** to configure the Android voice input feature.

Language: Opens a screen where you can set the language you use when entering text by speaking.

SafeSearch: Opens a dialogue box where you can set whether you want Google SafeSearch filter to block some results.

Block offensive words: When un-selected, Google voice recognition will recognize and transcribe words many people consider offensive, when you enter text by speaking. When selected, Google voice recognition replaces those words in transcriptions with a place holder comprised of hash symbols (#).

< Voice output >

Text-to-speech settings – Use the **Text-to-speech settings** to configure the Android text-to-speech synthesiser for applications that can benefit from it.

NOTE: If you don't have speech synthesizer data installed, only the **Install voice data setting** will be available.

- **Listen to an example:** Plays a brief sample of the speech synthesiser using your current settings.
- **Always use my settings:** Check to use the settings on this screen rather than the speech synthesiser settings available in other applications.
- **Default engine:** Opens a dialogue box where you can set the text-to-speech application you want to use, if you have more than one installed.

- **Install voice data:** If your phone does not have speech synthesiser data installed, this connects to Android Market and guides you through the process of downloading and installing the data. This setting is not available if the data is already installed.
- **Speech rate:** Opens a dialogue box where you can select how quickly you want the synthesiser to speak.
- **Language:** Opens a dialogue box where you can select the language of the text you want the synthesiser to read. This is particularly useful when combined with **Always use my settings** to ensure text is spoken correctly across a variety of applications.
- **Pico TTS:** Configure the Pico TTS settings.

Accessibility

Use the **Accessibility** settings to configure any accessibility plug-ins you have installed on your phone.

NOTE: Requires additional plug-ins to become available.

Date & time

Use **Date & time** settings to set how dates will be displayed. You can also use these settings to set your own time and time zone, rather than getting the current time from the mobile network.

About the phone


View legal information and check phone status and software version.

Wi-Fi

With Wi-Fi, you can use high-speed Internet access within the area of wireless access point (AP) coverage.


You can enjoy wireless internet with Wi-Fi, without incurring extra charges.

Turn on Wi-Fi

From the home screen, open the notification drawer and touch  on.

Or touch **Application > Settings > Wireless & networks**, then turn **Wi-Fi** on.

To connect to Wi-Fi

Choose the Wi-Fi network you want to connect to. If you see , you need to enter a password to connect.


NOTE:

- If you are out of a Wi-Fi area and choose the 3G connection, additional charges may be applied.
- If your phone changes to sleep mode when connected to Wi-Fi, the Wi-Fi connection will be disabled automatically. (In this case, if your phone has access to 3G data it may connect to the 3G network automatically, and additional charges may be applied.)
- The LG-C729 supports WEP, WPA/WPA2-PSK and 802.1x EAP. Security. If your Wi-Fi service provider or network administrator sets encryption for network security, enter the key in the pop-up window. If encryption is not set, this pop-up window will not be shown. You can obtain the key from your Wi-Fi service provider or network administrator.

Sharing your phone's mobile data connection

You can also share your phone's data connection with up to five devices simultaneously, by turning your phone into a portable Wi-Fi hotspot.

When your phone is sharing its data connection, an icon appears in the status bar and as an on-going notification in the notifications drawer.

Icon	Description
	Portable Wi-Fi hotspot is active

For the latest information about portable hotspots, including operating systems supported and other details, go to <http://www.android.com/tether>.

NOTE: Additional costs may be incurred when connecting to and using online services. Check data charges with your network provider.

Portable Wi-Fi hotspot settings

On the home screen, touch the **Application** tab and select **Settings**.


Touch **Wireless & Networks** and select **Portable hotspot**.

Choose the options you want to adjust.

Portable Wi-Fi hotspot – Select to share your phone's mobile network data connection as a portable Wi-Fi hotspot.

Help – Opens a dialogue box with information about portable Wi-Fi hotspots and advice about where to learn more.

To share your phone's data connection as a portable Wi-Fi hotspot

1. On the home screen, touch the **Applications** tab and select **Settings**.
2. Touch **Wireless & Networks** and select **Portable hotspot**.
3. Check **Portable Wi-Fi hotspot**.
 - After a moment the phone starts broadcasting its Wi-Fi network name (SSID), enabling you to connect to it with up to five additional computers or other devices. An on-going notification  is added to the status bar and notifications drawer.
 - When **Portable Wi-Fi hotspot** is selected, you can change its network name or make it secure.
4. Un-select **Portable Wi-Fi hotspot** to stop sharing your data connection via Wi-Fi.

To rename or secure your portable hotspot

You can change the name of your phone's Wi-Fi network name (SSID) and secure its Wi-Fi network.

1. On the home screen, touch the **Applications** tab and select **Settings**.
2. Touch **Wireless & Networks** and select **Portable hotspot**.
3. Ensure **Portable Wi-Fi hotspot** is selected.
4. Touch **Portable Wi-Fi hotspot settings**.
5. Touch **Configure Wi-Fi hotspot**.
 - The **Configure Wi-Fi hotspot** dialogue box will open.
 - You can change the network SSID (name) that other computers see when scanning for Wi-Fi networks.
 - You can also touch the **Security** menu to configure the network with Wi-Fi Protected Access 2 (WPA2) security using a pre-shared key (PSK).
 - If you touch the **WPA2 PSK** security option, a password field is added to the **Configure Wi-Fi hotspot** dialogue box. If you enter a password, you will need to re-enter it when you connect to the phone's hotspot with a computer or other device. You can touch **Open** in the **Security** menu to remove security from your Wi-Fi network.

ATTENTION!

If you set the security option as **Open**, you can not prevent unauthorised usage of online services by other people, and additional charges may be incurred. To avoid unauthorised use, you are advised to keep the security option enabled.

6. Touch **Save**.

Using SmartShare

SmartShare uses DLNA (Digital Living Network Alliance) technology to share digital content through a wireless network.

Both devices must be DLNA certified to support this feature.

To turn SmartShare on and allow sharing contents

1. Touch application tab and select **Settings**.
2. Choose **Wireless & networks** and **SmartShare settings**.
3. Touch SmartShare to checkmark and turn the function on.
 - Touch **Always allow requests** if you would like to automatically accept sharing requests from other devices.

4. Under the Sharing contents section, touch to checkmark the types of content you would like to share.

Choose from **Pictures**, **Videos**, and **Music**.

5. SmartShare is now activated and ready to share contents.

To share contents from remote content library to other devices

Let your renderer device (e.g. TV) play multimedia contents from your remote content library (e.g. PC)

NOTE: Make sure that the DLNA functionality of your devices is properly configured (e.g. TV and PC)

1. Touch the top right button to or select the device from renderer lists.
2. Touch the top left button and select the device of the remote content library.
3. Touch SmartShare to checkmark and turn the function on.
4. You can browse the content library.
5. Touch and hold a content thumbnail and flick them to the top area with your flinger or touch the play button.

To share contents from your phone to your renderer device(e.g. TV)

NOTE: Make sure that your renderer device is properly configured

1. While browsing your pictures or videos using the Gallery application, touch and hold to select files. Then you will be able to select multiple files to be shared.
2. Touch Share on the menu and select the SmartShare.
3. SmartShare is automatically launched with the selected files.
4. Touch the top right button to select the device from renderer lists.
5. Touch the play button to let your renderer device play the files.

NOTE: Follow the same steps to use the Music player to share music files.

Notice: Check that your device is connected with your home network using Wi-Fi connection to use this application.






Some DLNA enabled device (e.g. TV) support only the DMP feature of DLNA and will not appear in the renderer device list

Your device might not be able to play some contents.

How to use On-Screen Phone

On-Screen Phone allows you to view your mobile phone screen from a PC via a USB or Bluetooth connection. You can also control your mobile phone from your PC, using the mouse or keyboard.

On-Screen Phone icons

-  Connects your mobile phone to your PC, or disconnects it.
-  Rotates the On-Screen Phone window (only available with applications that support rotation).
-  Changes the On-Screen Phone preferences.
-  Exits the On-Screen Phone programme.
-  Minimises the On-Screen Phone window.

On-Screen Phone features

- Real-time transfer and control: displays and controls your mobile phone screen when connected to your PC.
- Mouse control: allows you to control your mobile phone by using the mouse to click and drag on your PC screen.
- Text input with keyboard: allows you to compose a text message or note using your computer keyboard.


- File transfer (mobile phone to PC): sends files from your mobile phone (e.g. photos, videos, music and Polaris Office files) to your PC. Simply right-click and drag to send a file to your PC.
- File transfer (PC to mobile phone): sends files from your PC to your mobile phone. Just select the files you wish to transfer and drag and drop them into the On-Screen Phone window. The files sent are stored on a microSD card.
- Real-time event notifications: prompts a pop-up to inform you of any incoming calls or text/multimedia messages, as well as alarm and event notifications.

Notice: The Camera preview, videos and contents from 3D mode(3D Game & Apps, 3D Guide, YouTube 3D, 3D Gallery) are not supported in OSP, so they are not available on the PC.

To check the phone-to-PC connection

Once the devices have been connected, drag down the notification bar at the top of the home screen to check the On-Screen Phone connection status.

To disconnect your phone from your PC

Click  in the top left of the On-Screen Phone window. Alternatively, drag down the notification bar at the top of the home screen and select "On-Screen Phone". Touch "Yes" in the Disconnect window.

NOTE: You must restart your phone after shutting down the On-Screen Phone service.

Phone Software update

LG Mobile Phone Software update from internet

For more information on using this function, please visit the <http://www.lg.com/us/support/mc-support/mobile-phone-support.jsp> → select country and language.

This feature allows you to update the firmware of your phone to the newer version conveniently from the internet without the need to visit a service centre. This feature is only available if and when LG makes the newer version of the firmware 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 to 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 selective 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 the firmware of your phone to the newer version conveniently via OTA without connecting the USB data cable. This feature is only available if and when LG makes the newer version of the firmware available for your device.

First, you can check the software version on your mobile phone: **Settings > About phone > Software update > Software update check.**

You can also rearrange update schedule in 1 hour, 4 hours, 8 hours or 24 hours before updates.

In this case, the application will notify you to update when the time is up. Also you can rearrange or update by manually.

NOTE: Your personal data from internal phone storage—including information about your Google account and any other accounts, your system/application data and settings, any downloaded applications and your DRM licence—might be lost in the process of updating your phone's software. Therefore, LG recommends that you back up your personal data before updating your phone's software. LG does not take responsibility for any loss of personal data.

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Contains Adobe® Flash® Player technology by Adobe Systems Incorporated.

- **DivX Mobile**



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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 for more information on how to complete your registration.

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- **Dolby Digital Plus**



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Accessories

These accessories are available for use with the LG-C729.

(Items described below may be optional.)

Charger



Data cable

Connect your LG-C729 and PC.



Battery



User Guide

Learn more about your LG-C729.



Stereo headset



NOTE:

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

Technical data

Ambient Temperatures


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

Min: -10°C



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.


Category Sub-Category	Question	Answer
BT 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 SD card.
BT 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.
Data Contacts Backup	How can I back up Contacts?	The Contacts data can be synchronized between your phone and Gmail™.
Data Synchroniz ation	Is it possible to set up one-way sync with Gmail?	Only two-way synchronization is available.



Category Sub-Category	Question	Answer
Data Synchroniz ation	Is it possible to synchronize all the Email folders?	The Inbox is automatically synchronized. You can view other folders by pressing the Menu Key  and touch Folders to choose a folder.
Google™ Service Gmail Log-In	Should 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.
Google Service Google Account	Is it possible to filter emails?	No, email filtering is not supported via the phone.
Phone Function 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).
Phone Function Email	What happens when I execute another application while writing an email?	Your email will automatically be saved as a draft.
Phone Function 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
Phone Function 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.
Phone Function microSD Card	What is the maximum supported size for a memory card?	32 GB memory cards are compatible.
Phone Function 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.
Phone Function Synchroniz ation	Is it possible to synchronize my contacts from all my email accounts?	Only Gmail & MS Exchange server(Company Email Server) contacts can be synchronized.


Category Sub-Category	Question	Answer
Phone Function 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 & 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"> 1. From the Home screen, press the Phone icon . 2. Touch the Phone tab. 3. Dial the number, then press the Menu Key . 4. Touch Add 2-sec pause or Add wait.
Phone Function Security	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.
Phone Function Unlock Pattern	What should I do if I forget my the Unlock Pattern?	After attempting the Unlock Pattern 5 times, you can touch the Forget Pattern? option and use your Google account information to unlock your phone.

Category Sub-Category	Question	Answer
Phone Function Unlock Pattern	What should I do if I forgot the Unlock Pattern and I didn't create the Google account on the phone?	<p>Without entering the Unlock Pattern, you will not be able to access your phone.</p> <p>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.</p> <p>How to perform a factory reset:</p> <ol style="list-style-type: none"> 1. Turn the power off. 2. Press and hold: Home Key + Power Key + Down Volume Key. 3. Turn the power on, while keeping the three keys pressed. 4. When the LG logo is shown, release the keys.


Category Sub-Category	Question	Answer
Phone Function Unlock Pattern	How do I create the Unlock Pattern?	<ol style="list-style-type: none"> 1. From the Home screen, press the Menu Key . 2. Touch Settings → Location & security. 3. Touch Set unlock pattern (under the Screen unlock pattern section of the settings). The first time you do this, a short tutorial about creating an Unlock Pattern appears. 4. Set up by drawing your pattern once, then again for confirmation.
Phone Function Memory	Is it possible to save a picture to the internal memory after taking a picture?	<p>Pictures, along with Music and Video files, can only be saved to external memory.</p> <p>Email and Applications can be saved to the internal memory.</p>
Phone Function Memory	Will I know when my memory is full?	Yes, you will receive a notification.

Category Sub-Category	Question	Answer
Phone Function Language Support	Is it possible to change the language?	<p>The phone has bilingual capabilities.</p> <p>To change the language:</p> <ol style="list-style-type: none"> 1. From the Home screen, press the Menu Key  and touch Settings. 2. Touch Language & keyboard → Select language. 3. Touch the desired language.
Phone Function VPN	How do I set up a VPN?	<p>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.</p>
Phone Function Screen time 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"> 1. From the Home screen, press the Menu Key . 2. Touch Settings → Display. 3. Under Display settings, touch Screen timeout. 4. Touch the preferred screen backlight timeout time.

Category Sub-Category	Question	Answer
Phone Function Tactile feedback	<p>I've turned off haptic feedback on my phone. However, when I dial a number, the phone still vibrates. How do I turn this off?</p>	<ol style="list-style-type: none"> 1. From the Home screen, press the Menu Key . 2. Touch Settings → Sound. 3. Touch Haptic feedback to remove the checkmark and disable the function.
Phone Function Wi-Fi & 3G	<p>When Wi-Fi and 3G are both available, which service will my phone use?</p>	<p>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.</p> <p>To know which data connection is being used, use the 3G or Wi-Fi icon at the top of your screen.</p>
Phone Function Home screen	<p>Is it possible to remove an application from the Home screen?</p>	<p>Yes. Just touch and hold the icon until the trash can icon appears at the bottom-center of the screen. Then, without lifting your finger, drag the icon to the trash can.</p>

Category Sub-Category	Question	Answer
Phone Function Application	I downloaded an application and it causes a lot of errors. How do I remove it?	<ol style="list-style-type: none"> 1. From the Home screen, press the Menu Key . 2. Touch Settings → Applications → Manage applications. 3. Touch the application, then touch Uninstall.
Phone Function Camera	My phone's camera does not take pictures and says "No SD Card or SD card is not ready!". Why doesn't it work?	A microSD card must be inserted in order to use the phone's camera.
Phone Function Charger	Is it possible to charge my phone by USB data cable without installing the necessary USB driver?	The USB Driver will need to be installed.
Phone Function Alarm	Can I use music files for my Alarm?	<p>Yes. After saving a music file as a ringtone, you can use it for your alarm.</p> <ol style="list-style-type: none"> 1. Touch and hold a song in a library list. In the menu that opens, touch Use as phone ringtone. 2. In an alarm clock setting screen, select the music as a ringtone.

Category Sub-Category	Question	Answer
Phone Function Alarm	Will my alarm be audible or will it go off if the phone is turned off?	No, this is not supported.
Phone Function 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.
Phone Spec Battery Time	What is the maximum amount of time my phone's battery will last before I need to recharge it?	Talk time : Approx. 9 Hours Standby : Approx. 18 days
Phone Spec Band	Which wireless bands are supported by the phone?	Your phone is able to operate on the 800Mhz and 1900MHz bands.

Category	Question	Answer
Sub-Category		
Recovery Solution Factory Reset	How do I perform a factory reset?	<ol style="list-style-type: none"> 1. From the Home screen, press the Menu Key . 2. Touch Settings → Privacy → Factory data reset. 3. Read the warning and touch Reset phone. 4. Touch Erase everything. <p>Attention:</p> <p>If a factory reset is performed, all installed application and user data will be erased. Please remember to back up any important data before performing a factory reset.</p>

Category	Question	Answer
Sub-Category		
Recovery Solution	How can I perform a factory reset if I can't access the phone's setting menu?	<p>How to perform a factory reset:</p> <ol style="list-style-type: none"> 1. Turn the power off. 2. Press and hold: Home Key + Power Key + Down Volume Key. 3. Turn the power on, while keeping the three keys pressed. 4. When the LG logo is shown, release the keys. <p>Attention:</p> <p>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.</p>
Factory Reset		

For Your Safety

Safety Information

Please read and observe the following information for safe and proper use of your phone and to prevent damage.

Caution

Violation of the instructions may cause minor or serious damage to the product.

- 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.

Charger and Adapter Safety

- The charger and adapter are intended for indoor use only.
- Insert the battery pack charger vertically into the wall power socket.
- Unplug the power cord and charger during lightning storms to avoid electric shock or fire.
- Use the correct adapter for your phone when using the battery pack charger abroad.

Battery Information and Care

- Please read the manual of proper installation and removal of the battery.
- Please read the manual of specified charger about charging method.
- Do not damage the power cord by bending, twisting, or heating. Do not use the plug if it is loose as it may cause electric shock or fire. Do not place any heavy items on the power cord. Do not allow the power cord to be crimped as it may cause electric shock or fire.
- Unplug the power cord prior to cleaning your phone, and clean the power plug pin when it's dirty. When using the power plug, ensure that it's firmly connected. If 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. Short-circuit of the terminal may damage the battery and cause an explosion. Always cover the receptacle when not in use.
- Recharge the battery after long periods of non-use to maximize battery life. Battery life will vary due to usage pattern and environmental conditions.

- Never store your phone in temperature less than -4 °F or greater than 122 °F.
- Charging temperature range is between 32 °F and 113 °F. Do not charge the battery out of recommended temperature range. Charging out of recommended range might cause the generating heat or serious damage of battery. And also, it might cause the deterioration of battery's characteristics and cycle life.
- Do not use or leave the battery under the blazing sun or in heated car by sunshine. The battery may generate heat, smoke or flame. And also, it might cause the deterioration of battery's characteristics or cycle life.
- The battery pack has protection circuit to avoid the danger. Do not use near places that can generate static electricity more than 100V which could damage the protection circuit. Damaged protection circuits may generate smoke, rupture or ignite.
- When using the battery for the first time, if it emits a bad smell, you see rust on it, or anything else abnormal, do not use the equipment and bring the battery to the shop which it was bought.

- Keep batteries away from babies and small children. If children use the battery, their parents or legal guardians are responsible for supervising and teaching them about the safe handling of batteries and how to use batteries according to the manual with care.
- If liquid from the battery rubs against skin or clothing, wash with fresh water. It may cause the skin inflammation. Remove and do not use the battery. Be careful that children do not swallow any parts (such as earphone, connection parts of the phone, etc.). This could cause asphyxiation or suffocation resulting in serious injury or death.
- Do not handle the phone with wet hands while it is being charged. It may cause an electric shock or seriously damage your phone.
- Do not place or answer calls while charging the phone as it may short-circuit the phone and/or cause electric shock or fire.
- Do not use harsh chemicals (such as alcohol, benzene, thinners, etc.) or detergents to clean your phone. This could cause a fire.

General Notice

- An emergency call can be made only within a service area. For an emergency call, make sure that you are within a service area and that the phone is turned on.
- 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 Center to replace the damaged antenna.

- 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. (Ringtones, 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 ringtone to vibration so you don't disturb others.
- Do not turn your phone on or off when putting it to your ear.

Use accessories, such as earphones and headsets, with caution. Ensure that cables are tucked away safely and do not touch the antenna unnecessarily.

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 causes undesired operation.

Part 15.21 statement

Any changes or modifications 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 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.

Bodily Contact During Operation

This device was tested for typical use with the back of the phone kept 0.79 inches (2 cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.79 inches (2 cm) must be maintained between the user's body and the back of the

phone, including the antenna, whether extended or retracted. Third-party belt-clips, holsters, and similar accessories containing metallic components should not be used. Avoid the use of accessories that cannot maintain 0.79 inches (2 cm) distance between the user's body and the back of the phone and have not been tested for compliance with FCC RF exposure limits.

Vehicle-Mounted External Antenna

(Optional, if available.)

To satisfy FCC RF exposure requirements, keep 8 inches (20 cm) between the user / bystander and vehicle-mounted external antenna. For more information about RF exposure, visit the FCC website at www.fcc.gov.

Caution

Use only the supplied antenna. Use of unauthorized antennas (or modifications to the antenna) could impair call quality, damage the phone, void your warranty and/or violate FCC regulations.

Don't use the phone with a damaged antenna. A damaged antenna could cause a minor skin burn. Contact your local dealer for a replacement antenna.

Consumer Information About Radio Frequency Emissions

Your wireless phone, which contains a radio transmitter and receiver, emits radio frequency energy during use. The following consumer information addresses commonly asked questions about the health effects of wireless phones.

Are wireless phones safe?

Scientific research on the subject of wireless phones and radio frequency ("RF") energy has been conducted worldwide for many years, and continues. In the United States, the Food and Drug Administration ("FDA") and the Federal Communications Commission ("FCC") set policies and procedures for wireless phones. The FDA issued a website publication on health issues related to cell phone usage where it states, "The scientific community at large ... believes that the weight of scientific evidence does not show an association between exposure to radiofrequency (RF) from cell phones and adverse health outcomes. Still the scientific community does recommend conducting additional research to address gaps in knowledge. That research is being conducted around the world and FDA continues to

monitor developments in this field. You can access the joint FDA/FCC website at <http://www.fda.gov> (under "c" in the subject index, select Cell Phones > Research). You can also contact the FDA toll-free at (888) 463-6332 or (888) INFO-FDA. In June 2000, the FDA entered into a cooperative research and development agreement through which additional scientific research is being conducted. The FCC issued its own website publication stating that "there is no scientific evidence that proves that wireless phone usage can lead to cancer or a variety of other problems, including headaches, dizziness or memory loss." This publication is available at <http://www.fcc.gov/oet/rfsafety> or through the FCC at (888) 225-5322 or (888) CALL-FCC.

What does "SAR" mean?

In 1996, the FCC, working with the FDA, the U.S. Environmental Protection Agency, and other agencies, established RF exposure safety guidelines for wireless phones in the United States. Before a wireless phone model is available for sale to the public, it must be tested by the manufacturer and certified to the FCC that it does not exceed limits established by the FCC. One of these limits is expressed as a Specific Absorption Rate, or "SAR." SAR is a measure of the rate of absorption of RF

energy in the body. Tests for SAR are conducted with the phone transmitting at its highest power level in all tested frequency bands. Since 1996, the FCC has required that the SAR of handheld wireless phones not exceed 1.6 watts per kilogram, averaged over one gram of tissue.

Although the SAR is determined at the highest power level, the actual SAR value of a wireless phone while operating can be less than the reported SAR value. This is because the SAR value may vary from call to call, depending on factors such as proximity to a cell site, the proximity of the phone to the body while in use, and the use of hands-free devices. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model.

The highest SAR value for this model phone when tested for use at the ear is 0.000 W/kg and when worn on the body, as described in this user guide, is 0.000 W/kg (body-worn measurements differ among phone models, depending upon available accessories and FCC requirements).

While there may be differences between SAR

levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/ea/fccid/> after searching on FCC ID BEJC729.

For more information about SARs, see the FCC's OET Bulletins 56 and 65 at http://www.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins or visit the Cellular Telecommunications Industry Association website at http://www.ctia.org/consumer_info/index.cfm/AID/10371. You may also wish to contact the manufacturer of your phone.

Can I minimize my RF exposure?

If you are concerned about RF, there are several simple steps you can take to minimize your RF exposure. You can, of course, reduce your talk time. You can place more distance between your body and the source of the RF, as the exposure level drops off dramatically with distance. The FDA/FCC website states that "hands-free kits can be used

with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit." Also, if you use your wireless phone while in a car, you can use a phone with an antenna on the outside of the vehicle. You should also read and follow your wireless phone manufacturer's instructions for the safe operation of your phone.

Do wireless phones pose any special risks to children?

The FDA/FCC website states that "the scientific evidence does not show a danger to users of wireless communication devices, including children." The FDA/FCC website further states that "some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all". For example, the Stewart Report from the United Kingdom ["UK"]

made such a recommendation in December 2000. In this report a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. [The UK's] recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists. A copy of the UK's leaflet is available at <http://www.dh.gov.uk> (search "mobile"), or you can write to: NRPB, Chilton, Didcot, Oxon OX11 0RQ, United Kingdom. Copies of the UK's annual reports on mobile phones and RF are available online at www.iegmp.org.uk and <http://www.hpa.org.uk/radiation/> (search "mobile"). Parents who wish to reduce their children's RF exposure may choose to restrict their children's wireless phone use.

Where can I get further information about RF emissions?

For further information, see the following additional resources (websites current as of April 2005):

U.S. Food and Drug Administration

FDA Consumer magazine

November-December 2000

Telephone: (888) INFO-FDA

<http://www.fda.gov> (Under "c" in the subject index, select Cell Phones > Research.)

U.S. Federal Communications Commission

445 12th Street, S.W.

Washington, D.C. 20554

Telephone: (888) 225-5322

<http://www.fcc.gov/oet/rfsafety>

Independent Expert Group on Mobile Phones

<http://www.iegmp.org.uk>

Royal Society of Canada Expert Panels on Potential Health Risks of Radio Frequency Fields from Wireless Telecommunication Devices

283 Sparks Street

Ottawa, Ontario K1R 7X9

Canada

Telephone: (613) 991-6990

World Health Organization

Avenue Appia 20

1211 Geneva 27

Switzerland

Telephone: 011 41 22 791 21 11

<http://www.who.int/mediacentre/factsheets/fs193/en/>

International Commission on Non-Ionizing Radiation Protection

c/o Bundesamt für Strahlenschutz
Ingolstaedter Landstr. 1
85764 Oberschleissheim
Germany
Telephone: 011 49 1888 333 2156
<http://www.icnirp.de>

American National Standards Institute

1819 L Street, N.W., 6th Floor
Washington, D.C. 20036
Telephone: (202) 293-8020
<http://www.ansi.org>

National Council on Radiation Protection and Measurements

7910 Woodmont Avenue, Suite 800
Bethesda, MD 20814-3095
Telephone: (301) 657-2652
<http://www.ncrponline.org>

Engineering in Medicine and Biology Society, Committee on Man and Radiation (COMAR) of the Institute of Electrical and Electronics Engineers

<http://ewh.ieee.org/soc/embs/comar/>

TIA Safety Information

The following is the complete TIA Safety Information for wireless handheld phones.

Exposure to Radio Frequency Signal

Your wireless handheld portable phone is a low power radio transmitter and receiver. When ON, it receives and 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)

* American National Standards Institute;
National Council on Radiation Protection and
Measurements; International Commission on
Non-Ionizing Radiation Protection

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed

the available body of research to develop the ANSI Standard (C95.1).

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

Antenna Care

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

Phone Operation

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

Tips on Efficient Operation

For your phone to operate most efficiently:
Don't 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.

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 (6) 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;
- Should turn the phone OFF immediately if there is any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider (or call the customer service line to discuss alternatives).

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is 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. Switch OFF your phone before boarding an aircraft.

Blasting Areas

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

Potentially Explosive Atmosphere

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

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

For Vehicles Equipped with an Air Bag

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

FDA Consumer Update



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

1. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of Radio Frequency (RF) energy in the microwave range while being used. They also emit very low levels of RF when in idle 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 Radio Frequency (RF) energy 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 does 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
- 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 Radio Frequency (RF) energy 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 Radio Frequency (RF) energy 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 do not 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 ten 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 Radio Frequency (RF) energy.

The FDA has been a leading participant in the World Health Organization International Electro Magnetic 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 (RF) energy 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 phones 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>).

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 (RF) energy 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 tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg

(or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

9. What steps can I take to reduce my exposure to Radio Frequency 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 Radio Frequency (RF) energy. 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 does 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 Radio Frequency (RF) energy, 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 (RF) energy from wireless phones can interact with some electronic devices. For this reason, the FDA helped develop a detailed test method to measure Electro Magnetic 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:

Federal Communications Commission (FCC) RF Safety Program

(<http://www.fcc.gov/oet/rfsafety>)

International Commission on Non-Ionizing Radiation Protection

(<http://www.icnirp.de>)

World Health Organization (WHO) International EMF Project

(<http://www.who.int/emf>)

National Radiological Protection Board (UK)

(<http://www.hpa.org.uk/radiation/>)

Driving

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

- 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 or the law require it.

3D Content Viewing Precautions

NOTES FOR VIEWING 3D CONTENT: When viewing 3D content, hold and adjust the device to an effective viewing angle and within the appropriate distance, so the 3D experience is optimized. If you exceed this viewing angle or distance, you may not be able to view the 3D content.

WARNINGS FOR VIEWING 3D CONTENT:

- Viewing 3D content, including videos and games, for a long period of time can cause drowsiness, headaches or fatigue. If you have a headache, or otherwise feel fatigued or drowsy, stop viewing immediately and rest.
- If you watch the 3D content too closely or for a long period of time, it may harm your eyesight.
- Some 3D content may cause you to react such as ducking or dodging the image displayed in the video/game. Therefore, it is best if you do not view 3D content near fragile objects or near any sharp objects that can create injuries.
- Do not view the 3D content while driving, walking or moving around. It may result in injury due to bumping into object, tripping and/or falling.
- Please check with a medical specialist before allowing children to view 3D content on the device, as viewing 3D content may affect sight development.
- Warning for photosensitization seizure:

- If you or anyone in your family has a history of epilepsy or seizure, please check with a medical specialist before viewing 3D content.
- If you or anyone in your family experience any of the following symptoms, immediately stop viewing the 3D content and consult a doctor: dizziness or lightheadedness, visual transition or altered vision, visual or facial instability, such as eye or muscle twitching, unconscious action, convulsions, loss of consciousness, confusion or disorientation, loss of directional sense, cramps, or nausea. Parents should closely monitor their children, including teenagers, for these symptoms as they may be more sensitive to the effects of watching 3D content. Note: These symptoms can occur in unspecified conditions without any previous history.
- Risk of photosensitization seizure can be reduced with the following actions.
 - Take frequent breaks from watching 3D content on your phone.
 - For those who have vision that is different in each eye, they should only view 3D content after taking vision correction measures.
- Some viewers may feel disoriented after viewing 3D content. Therefore, after you view 3D content on your phone, take a moment to regain awareness of your surrounding before moving.

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 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 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 visit <http://us.lgservice.com>. Correspondence may also be mailed to:
LG Electronics Service- Mobile Handsets
P.O. Box 240007, 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.