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LG ZONE 4

User guide

User guide.

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Guía del usuario.

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LG ZONE® 4

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Before you begin using your new phone

this device get the most out of your phone, reduce the risk of injury, avoid damage to your device, and make you aware of legal regulations regarding the use of Please read all of the information provided. This information will help you to leaflets provide you with important information regarding your new device. Included in the box with your phone are separate information leaflets. These

safety and operating instructions and retain them for future reference. liabilities Observe all warnings to reduce the risk of injury, damage, and legal before you begin using your new phone. Please follow all of the product It's important to review the Product Safety and Warranty Information guide

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Phone

Easy Home Screen

font size. You can easily access your favorite contacts by specifying them as choose to use on your phone. It shows a simple layout with a large icon and 4 shortcut icons Easy Home is a more simplified version of the Home screen that you can

Tap O Home > 🔯 Settings > Home screen > Select Home > EasyHome



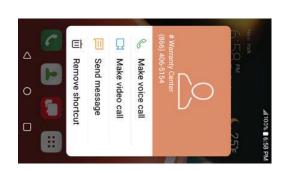
NOTE

- You can choose the mode you want to use.
 Tap O Home > ⟨⊙⟩ Settings > Home screen > Select Home.
- Home (default): Provides the standard layout showing all apps.
- Home with separate apps list: Provides a separate layout for the Home screen and apps list.
- EasyHome: Provides a simplified experience for the firsttime smartphone user.

Adding your favorite contacts

Home screen. Tap O Home > 🚇, then select a contact to apply a shortcut from the

or send a message. You can easily access your favorite contacts to make a voice call, video call

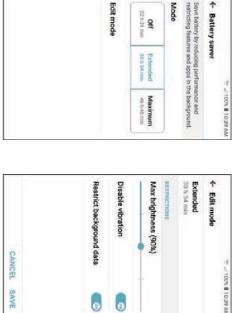


- 1. Tap **Home** > ♠.
- 2. The following options are available.
- ▶ Make voice call: Starts a voice call
- Make video call: Starts a video call
- E Send message: Starts a message
- Remove shortcut: Removes a shortcut

Battery Saver Mode

apps in the background. You can save battery by reducing performance and restricting features and

- 1. Tap O Home > 🕸 Settings > Battery > Battery saver.
- 2. Select the mode you want to apply.
- ▶ Tap Off to turn off the battery saver mode
- Tap Extended to activate Extended mode. You can modify its background data. restrictions such as Max brightness, Disable vibration and Restrict



▶ Tap Maximum to activate Maximum mode. The background and other visual elements will be in black.





Camera Features

Selfie Shot

selfies. The camera settings allow you to configure the selfie shot settings. You can use the front camera to view your face on the screen and take

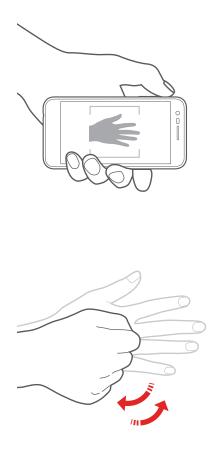
Gesture shot

You can take selfies using gestures

Show your palm to the front camera and then clench your fist

You can also clench your fist and then open it towards the front camera

- ▶ In three seconds, a photo is taken.
- Multiple fist gestures will take four photos



NOTES

- To use this feature, switch to the front camera, then tap 🐼 Settings > Selfie shot Gesture shot.
- Make sure that your palm and fist are completely within the recognition area so that the camera can detect them.
- This feature may not be available while using some of the camera features

Interval shot

You can take a series of selfies at an interval.

clench your fist twice quickly. While using the front camera, you can show your palm to the camera, then

After a short timer delay, four photos are taken at about two-second intervals

Auto shot

the front camera detects your face and takes a selfie automatically. conveniently. You can set the device so that, when you look at the screen, You can use the face detection feature to take selfies easily and

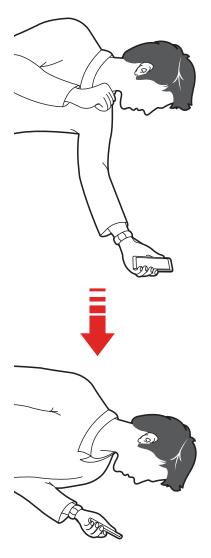
frame color turns green, then the camera takes a photo. your face. If the subject within the guide frame stops moving, the guide The white colored guide frame appears when the front camera detects



To use this feature, switch to the front camera, then tap $\{\vec{O}\}$ Settings > Selfie shot > Auto shot.

Gesture view

immediately by moving the screen close to your face. After taking a selfie with the front camera, you can preview the selfie



NOTES

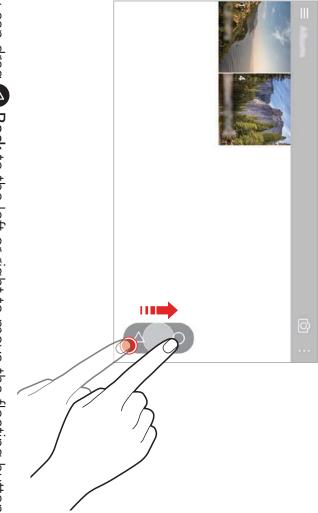
- To use this feature, switch to the front camera, then tap 🚫 Settings > Gesture view to enable the Gesture view feature.
- Only one preview is available each time a photo is taken.
- If you rotate the device while viewing the preview screen, the screen switches to camera mode.

Gallery Features

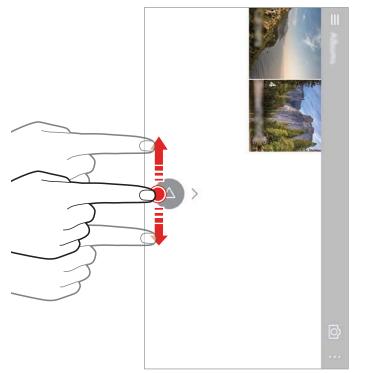
Floating button

in landscape mode. You can use the floating button at the lower part of the Gallery app screen

After dragging **(a)** Back upwards, release it when you reach **(o)** Home to return to the Home screen.



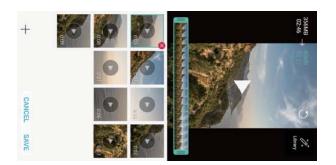
You can drag (d) Back to the left or right to move the floating button as desired.



Creating a movie

You can create a new video by putting images and videos together.

- Create movie.
- 2 Select images or videos for your movie and then tap NEXT.
- ω Edit the selected images and videos and then tap SAVE



Deleting files

Delete at the top right corner of its thumbnail You can select images or videos to delete from your video by tapping

Adding files

You can also select the images or videos you have previously added Tap + Add at the bottom of the screen and select images or videos to add

Rearranging files

move, then drag it to the desired location To rearrange the images and videos, touch and hold the file you want to

Adding movie effects

add a title and author. Tap 🂸 Library to add a theme or background music, change the font, and

Resetting the movie edits

background music and font) by tapping 🖒 Revert. You can reset the edits made to the movie (e.g. play time, theme,

Previewing a file

playback time elapses, the next file is played automatically. Check your new video before saving it by tapping **Play**. After the

- A maximum of 50 images and videos can be used to create a video
- The playback time for an image is 3 seconds by default and it cannot be changed Videos can be trimmed down to a minimum of 1 second.
- This feature may not support some image or video formats

Making a GIF file

You can easily create a GIF using previously recorded video

- 1. At the desired starting point while watching a video, tap (sif) Create GIF
- 2. Select the length of the GIF you want to create, if necessary.
- The GIF file is generated for the time selected from the current time
- For videos less than 5 seconds, GIF images are automatically generated for the remaining time.

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You can also create a GIF file from the Gallery.

- While viewing an album, tap : Options > Create GIF
- 2. Select the desired photos and videos to create a GIF file and then tap NEXT.
- You can add more images and adjust the GIF speed, screen ratio, and file order.
- 3. Tap SAVE.

NOTE A maximum of 100 images can be used to create a GIF file.

Google Assistant

You can manage tasks, plan your day, get answers, and much more

NOTE To use this feature, first connect to the network and sign in to your Google account.

Opening Google Assistant

- Touch and hold O Home from the Home screen to launch Google Assistant.
- 2. Tap GET STARTED.
- 3. Follow the on-screen instructions to configure the voice settings
- ▶ The device saves your voice data for recognition.

Launching Google Assistant from the Home screen

- Say 'Ok Google' when the screen is turned on or locked
- Say a command or question when 'Hi, how can I help?' appears on the screen.

and holding the Home button Launching Google Assistant from the Home screen by touching

- 1. Touch and hold O Home from the Home screen
- 2. Say a command or question when 'Hi, how can I help?' appears on the screen.

noisy place. When you use the voice recognition feature, increase its accuracy by speaking with a clear voice in a quiet place. Voice recognition accuracy may decrease if you speak with an unclear voice or in a

Phone Overview

Front View



- **NOTES** All screen shots in this guide are simulated. Actual displays may vary.
- Instructions to perform tasks in this guide are based on the default settings and may change depending on the mode and software version on your phone.

WARNING! Service Center. this happens, stop using your device immediately and contact an LG Customer hard surface or subject it to severe impact, the tempered glass may be damaged. If Some of the device parts are made of tempered glass. If you drop your device on a

Proximity/Ambient light sensor Senses proximity toward other objects activated during a call or when carried inside a pocket. It also employs an ambient sensor which measures the surrounding light and adjusts the LCD brightness to provide a vivid screen. (such as your head) so that touch commands are not accidentally

Don't block the sensor or near the sensor to avoid problems with the touch screen.

- Front camera Use to take pictures and record videos of yourself. You can also use this for video chatting. Keep it clean for optimal performance.
- ω Volume buttons Press to adjust the ringer, the media volumes, or the access shortcuts when enabled in the Settings menu. in-call volume during a call. They can also activate the camera shutter and
- 4. Headset jack Allows you to plug in an optional headset for convenient, Recorder app. You can also plug in headphones to listen to music. hands-free conversations or recording your voice using the HD Audio
- $\dot{\Omega}$ Earpiece Lets you hear callers and automated prompts.
- 6. Microphone Transmits your voice to the other caller. It's also used for voice-activated functions.
- USB/Charger port Allows you to connect the phone and the USB cable for use with the charger adapter, or other compatible accessories.

Rear View



NOTE Press and hold the volume down (-) button and Power/Lock button at the same time for a second to take a screenshot.

- ∞ Back camera Use to take photos and record videos. Keep it clean for optimal performance.
- 9 Power/Lock button Press to turn off the screen backlight and lock the screen, or turn the screen backlight back on. Press and hold to turn the phone on/off, restart, or activate/deactivate Airplane mode.
- 10. Speaker Use to listen to audio (e.g., music, videos, sound clips speakerphone, etc.) from the rear speaker instead of the earpiece.
- 11. Flash Brightens up the captured image or recorded video in low-light environments.

Help

your phone, including how-to tutorials, Icon glossary, etc. The Help app allows you to quickly and conveniently view information about

To access Help, tap 🔾 Home > 🔞 Help.

Setting Up Your Phone

Your phone already has a SIM card installed.

Step 1. Remove the Back Cover

on the lower left of the back cover and lift the cover up gently. With the phone facing down, insert your fingernail into the cutout located



Step 2. Insert the Battery

to secure it. Insert the battery, making sure the gold contacts line up. Press down gently



Step 3. Replace the Back Cover

edges to secure it. Align the cover over the back of the phone and then press down along the



Step 4. Charge the Phone

Fully charge your phone before turning it on.

outlet. phone. Plug the other end into the charger and plug the charger into an Plug the small end of the USB cable into the USB/charger port on your



WARNING! Only use approved chargers with your device. Incompatible chargers or tampering with the charging port could damage your device and void the warranty.

Removing the SIM Card

your SIM card, refer to the following instructions The SIM card is pre-installed in your smartphone. If you need to replace

- Turn the phone off, then remove the back cover (as demonstrated in the previous instructions).
- 2. Locate the slot for the SIM card (at the upper-right side of the phone) and gently slide the SIM card out to remove it.



NOTE

activation or until a minimum payment is received. Your phone may only be used with Verizon Prepaid service for 1 year from original

alter any of the hardware or software in this phone or export this phone from the prohibited except by authorized Verizon Wireless agents or retailers. You may not Visit http://vzw.com/prepaidunlockingpolicy for more details. Commercial resale is

Inserting and Removing a Memory Card

Inserting a microSD card

- Remove the back cover (as demonstrated in the previous instructions).
- Position the microSD card (sold separately) with the label side facing up and the gold contacts toward the slot, then carefully slide it into the slot until it's secured in place.



NOTE

- The microSD card is sold separately.
- The microSD card can be easily damaged by improper operation. Please be careful when inserting, removing, or handling it.

WARNING!

Some memory cards may not be fully compatible with the device. If you use an incompatible card, it may damage the device or the memory card, or corrupt the data stored in it.

Removing the memory card

- Unmount a memory card.
- ▼ Tap Home > Settings > Storage > △ Eject
- Remove the back cover and locate the microSD card slot (as demonstrated in the previous instructions).
- 3. Carefully pull the memory card out to remove it.

WARNING!

Do not remove the memory card while the device is transferring or accessing abuse or improper use of memory cards, including the loss of data memory card or the device. LG is not responsible for losses that result from the information. This may cause data to be lost or corrupted, or may damage the

Charging Your Phone

Before using the device, fully charge the battery.



WARNING!

- Do not charge while the device or charging cable is wet or contains moisture. This can cause fire, electric shock, injury or damage to device.
- Make sure to use the USB cable provided with your device.
- Make sure to use an LG-approved charger and charging cable. Charging the the device battery with a third-party charger may cause the battery to explode or may damage
- Using the device when it is charging may cause electric shock. To use the device, stop charging it.

NOTES

- Remove the charger from the power socket after the device is fully charged This prevents unnecessary power consumption.
- Another way to charge the battery is by connecting a USB cable between the plugging the adapter to a wall outlet. device and a desktop or laptop computer. This may take a longer time than
- Do not charge the battery by using a USB hub that is unable to maintain the rated voltage. Charging may fail or unintentionally stop.

Precautions when using the device

- Make sure to use the USB cable provided; do not use third party USB cables or chargers with your device. The LG limited warranty does not cover the use of third party accessories
- Failure to follow the instructions in this guide and improper use may damage the device

Using the battery efficiently

simultaneously and continuously. Cancel background operations to increase battery life. To minimize battery consumption, follow these tips: Battery lifespan may decrease if you keep many apps and functions running

- Turn off the Bluetooth® or Wi-Fi network function when not using them.
- Set the screen timeout to as short a time as possible.
- Minimize the screen brightness.
- ▶ Set a screen lock when the device is not in use.
- Check the battery usage details and close any downloaded apps.

Turning Your Phone On and Off

Turning your phone on

Press and hold the Power/Lock button for a couple of seconds until the screen turns on.

NOTES

- When the device is turned on for the first time, initial configuration takes place The first booting time for the smart phone may be longer than usual
- A soft reset may be used to reset the device if the screen freezes, or the buttons, touch screen, or device are no longer responding. To perform a soft reset of your device, simply press and hold the Volume Down button and Power/Lock button until the device restarts.

Turning your phone off

- Press and hold the () Power/Lock button until the Phone options appear.
- Tap Power off.
- 3. Tap POWER OFF to confirm that you want to turn off the phone

Power control options

Press and hold the Power/Lock button, then select an option.

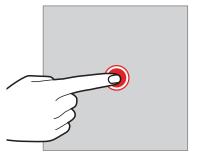
- ▶ Power off: Turn the device off.
- ▶ Power off and restart: Restart the device
- Other functions remain available. including making phone calls, messaging and browsing the Internet. Turn on Airplane mode: Block telecommunication-related functions,

Touch Screen

screen gestures. You can familiarize yourself with how to control your device by using touch

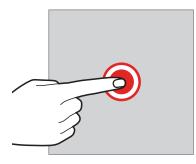
Tapping

Lightly tap with your fingertip to select or run an app or option.



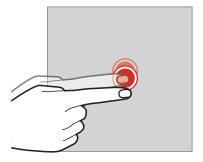
Touching and holding

Touch and hold for several seconds to display a menu with available options.



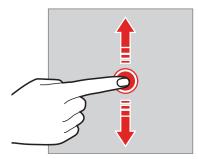
Double-tapping

Tap twice quickly to zoom in or out on a web page or map.



Dragging

a desired location in a controlled motion. You can use this gesture to move an item. Touch and hold an item, such as an app or widget, then move your finger to



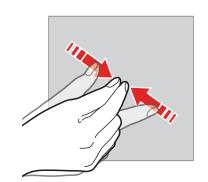
Swiping

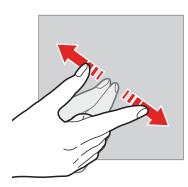
screens, and more. Touch the screen with your finger and move it quickly without pausing. You can use this gesture to scroll through a list, a web page, photos,



Pinching and spreading

spread your fingers apart. Pinch two fingers to zoom out such as on a photo or map. To zoom in,





WARNING!

Do not expose the touch screen to excessive physical shock. You might damage the touch sensor.

NOTES

- A touch screen failure may occur if you use the device near a magnetic, metallic or conductive material
- If you use the device under bright lights, such as direct sunlight, the screen may location with an ambient light that is not too bright and bright enough to read not be visible, depending on your position. Use the device in a shady location or a
- Do not press the screen with excessive force.
- Gently tap with your fingertip on the desired option.
- The touch control may not work properly if you tap while wearing a glove or by using the tip of your fingernail.
- Touch control may not work properly if the screen is moist or wet
- The touch screen may not function properly if a screen-protective film or accessory purchased from a third party store is attached to the device
- Displaying a static image for extended periods of time may result in after images or screen burn-in. Turn off the screen or avoid displaying the same image for a long time when you do not use the device.

Getting to Know the Home Screen

screen panels with app shortcuts, icons, widgets, folders, and other phone using simple motions on the screen. It's comprised of multiple panels (swipe horizontally to switch). You can customize all of your Home The Home screen is your starting point to access all of the features on your



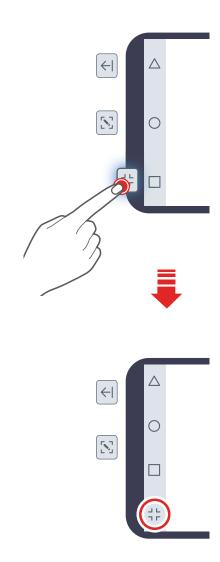
NOTE

The Home screen may vary, depending on the service provider or software version.

Modifying the Home touch buttons

as their position and color. You can change buttons displayed on the Home touch buttons bar, as well

- Tap O Home > Settings > Display > Home touch buttons
- 2. Select the modification you want to apply.
- Tap Button combination to select which Home touch buttons you Home, Recent apps, Notification, Capture+, and QSlide. want in the bar and their location within the bar. Choose from Back,
- ▼ Tap Background color to set the button color to white or black.



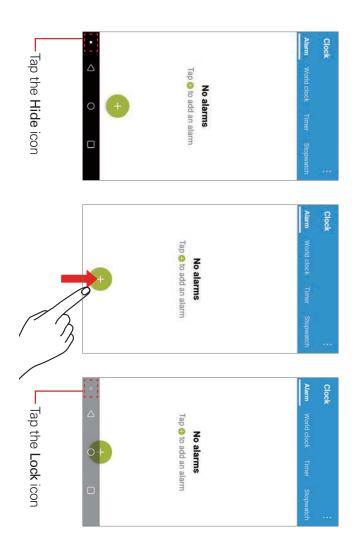
Hide the Home touch buttons

You can choose to hide or display the Home touch buttons on the screen.

- Tap O Home > Settings > Display > Home touch buttons
- Tap Hide Home touch buttons to choose the apps that will hide the buttons by default while you are using the app.

Using the Hide Home touch button option

- ▶ While using an app, tap **Hide** to hide Home touch buttons
- When the Home touch buttons are hidden, swipe upward from the bottom of the screen to temporarily display them.
- You can also choose to keep the Home touch buttons bar displayed by tapping Lock.



Status Bar

indicating that you've received notifications (on the left) and icons indicating the phone's status (on the right), along with the current time. The Status Bar appears at the top of every screen. It displays icons

Call icons

Sound icons

•	₫	0
Music playing	Vibrate mode	Do not disturb - Priority only
=	/ /	•
Music paused	Silent mode	Do not disturb - Total silence

Network icons

÷	3G connected	≠ä	3G in use
⇒ C	4G LTE connected	‡ Ę	4G LTE in use
₽	Wi-Fi connected	*4	Wi-Fi with no Internet
JI.	Signal strength		No signal
>	Roaming	⇒))	Network extender
×	No SIM card	?	Unknown SIM card
+	Airplane mode	•	GPS on
	App update available	S	App update successful
 	Downloading	 →	Uploading
K	Download successful		Emergency Alert

Connectivity icons

8	Ð	ϫ	*	• [•	Q
Internal storage full	Headset connected	३1 Bluetooth headset battery full	Bluetooth connected	USB connected	Syncing
		₩	*	₩ K	(c4))
	Headset with microphone connected	Bluetooth headset battery low	Bluetooth on	USB debugging mode	(ነን) Mobile Hotspot on

Email and Messaging icons

9	Ш	@
Email not sent	New message	New email
П	•	
Message not sent	New Verizon message	New Gmail message

Calendar and Alarm icons

© ;
Alarm set
Upcoming events

Battery icons

x:		
Not Charging	Low battery	Full battery
	-	4 1
	Empty battery	Charging battery

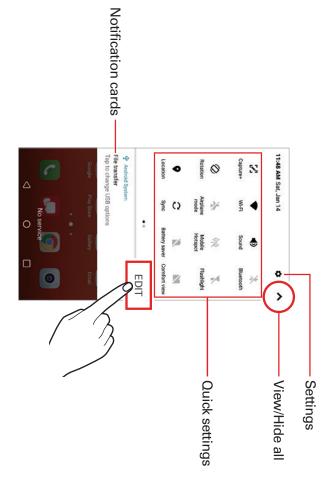
Other icons

	A
Keyboard	More notifications
	Screenshot saved

Notifications panel

on the main screen. You can open the notifications panel by dragging the status bar downward

- To open the quick access icons list, drag the notifications panel downwards or tap View all.
- ▶ To rearrange, add, or remove icons, tap EDIT.
- If you touch and hold the icon, the settings screen for the corresponding function appears.



NOTE

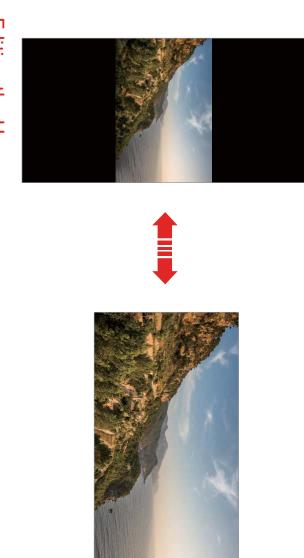
panel while the screen is locked to quickly access the desired features. You can use the notifications panel even on the lock screen. Drag the notifications

Switching the screen orientation

device's physical orientation. You can set the screen orientation to automatically switch depending on the

On the notification panel, tap Rotation from the quick access icon list

You can also tap 🔾 Home > 🔯 Settings > Display and activate Auto-rotate screen.



Editing the Home screen

desired action from below. On the Home screen, touch and hold on an empty space, then select the

- then drag it to a desired location. To rearrange the Home screen canvases, touch and hold on a canvas,
- To add a widget to the Home screen, select Widgets
- complete your selection as necessary. To change a wallpaper, select Wallpapers from the available choices and
- To change a theme, select **Theme**. You can also tap \bigcirc **Home** > \clubsuit Settings > Home screen > Theme, then select a theme to apply to the
- To configure the Home screen settings, select Home screen settings
- To change the app arrangement mode, select Grid.

To change the default screen, move to desired screen, tap screen, then tap the screen once more. Default



Using folders from the Home screen

Creating folders

On the Home screen, touch and hold an app, then drag it over another app.

A new folder is created and the apps are added to the folder.

Editing folders

On the Home screen, tap a folder and do one of the following actions

- To edit the folder name and color, tap the folder name
- release it. To add apps, touch and hold an app, then drag it over the folder and
- outside the folder. If the removed app is the only one app that existed in To remove an app from the folder, touch and hold the app and drag it to the folder, the folder is removed automatically.
- You can also add or remove apps after tapping + Add in the folder.

The folder color cannot be changed for downloaded themes

NOTE

Easy Home screen

See Easy Home Screen for details.

Home with separate apps list

apps to your Home screen. access to all of your apps and you can just copy shortcuts of the desired screen panels. The [:::] Apps icon in the Quick Access Bar provides you with downloaded apps in an Applications screen instead of on your Home you can use on your phone. This version places all of your installed and Home with separate apps list is another version of the Home screen that

Tap ○ Home > 🌣 Settings > Home screen > with separate apps list. Select Home > Home

Setting Your Lock Screen

time. If you press the Power/Lock button when a screen lock is not set, the button. This also happens after the device is left idle for a specified period of unwanted access to your device, set a screen lock. Your device's screen turns off and locks itself if you press the Power/Lock Home screen appears immediately. To ensure security and prevent

battery consumption. We recommend that you activate the screen lock while not A screen lock prevents unnecessary touch input on the device screen and reduces using the device.

Setting a Screen Lock

There are several screen lock options available

- 1. Tap O Home > Settings > Lock screen
- Tap Select screen lock and then select the method you prefer.
- 3. Customize the following settings

None: Deactivate the screen lock function.

Swipe: Swipe on the screen to unlock the screen.

Pattern: Draw a pattern to unlock the screen.

PIN: Enter a numeric password to unlock the screen

Password: Enter an alphanumeric password to unlock the screen.

Secure start-up settings

option when setting a screen lock. For additional security for your device, you can enable the Secure start-up

- You cannot use all functions, except for emergency calls until you unlock
- If you forget your decryption password, you cannot restore encrypted data and personal information.

Precautions for the secure start-up feature

- If you forget your decryption password, you cannot restore encrypted data and personal information.
- Be sure to keep your screen lock passwords separately
- If you enter the screen lock passwords incorrectly more than the data and your personal information are deleted automatically and they specified times, the device automatically resets itself and the encrypted cannot be restored.
- Be cautious not to enter incorrect screen lock passwords more than the specified times
- When you turn on the device right after the device reboots, encryption also starts. If you stop the encryption arbitrarily, the data may be damaged. Be sure to wait until the reboot is completed.

KnockON

You can turn the screen on or off by double-tapping the screen.

NOTES

- This option is available only on the Home screen provided by LG. It may not function properly on a custom launcher or on a third party Home screen installed by the user.
- When tapping the screen, use your fingertip. Do not use a fingernail.
- To use the KnockON feature, make sure that the proximity/light sensor is not blocked by a sticker or any other foreign substance

Turning the screen on

Double-tap the middle of the screen.

Tapping the top or bottom of the screen may decrease the recognition

Turning the screen off

Double-tap on an empty space on the Home screen and Lock screen.

You can also double-tap an empty space on the status bar.

Memory Card Encryption

data in the memory card cannot be accessed from another device You can encrypt and protect data saved on the memory card. The encrypted

- Tap Home > 🌣 Settings > Security > Encrypt SD card
- 2. Read the on-screen overview of memory card encryption and then tap **CONTINUE** to continue.
- 3. Select an option and tap ENCRYPT NOW.
- New data encryption: Encrypt only data that is saved on the memory card after encryption.
- Full encryption: Encrypt all the data currently saved on the memory
- Exclude media files: Encrypt all files, except for media files such as music, photos and videos

NOTES

- To encrypt the memory card, make sure that a screen lock is set using a PIN or
- Once memory card encryption starts, some functions are not available
- If the device is turned off while encryption is underway, the encryption process will fail, and some data may be damaged. Therefore, be sure to check if the battery level is sufficient before starting encryption.
- Encrypted files are accessible only from the device where the files were encrypted
- The encrypted memory card cannot be used on another LG device. To use the encrypted memory card on another mobile device, format the
- into the device. Any memory card that is installed after encryption will You can activate memory card encryption even when no memory card is installed automatically be encrypted.

Entering Text

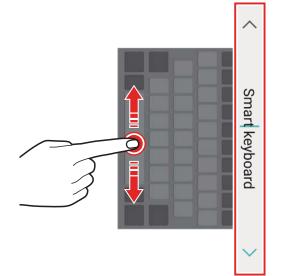
Using the Smart keyboard

You can use the Smart keyboard to enter and edit text.

you to easily find and correct errors when typing. to alternate between the screen and a conventional keyboard. This allows With the Smart keyboard, you can view text as you type without bothering

Moving the cursor

With the Smart keyboard, you can move the cursor to the exact position left or right. you want. When typing text, touch and hold on the space bar and then drag



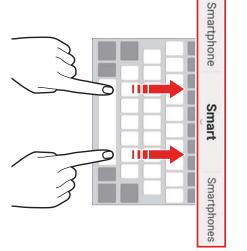
NOTE

This option is available only on the QWERTY keyboard.

Suggesting words

frequently used words as you type. The longer you use your device, the more precise the suggestions are. Smart keyboard automatically analyzes your usage patterns to suggest

Enter text, then tap a suggested word

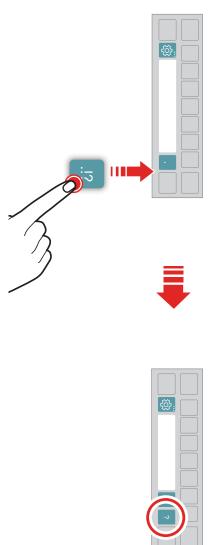


The selected word is automatically entered. You do not need to manually type every letter of the word.

Changing the QWERTY keyboard layout

You can add, delete or rearrange keys on the bottom row of the keyboard.

- Tap Home > 🖨 Settings > Language & input > LG Keyboard > Settings > Keyboard height and layout > QWERTY layout. You can also touch and hold **\(\bigcirc \) Voice** on the keyboard and tap 🔆 Keyboard height and layout > QWERTY layout.
- 2. Tap a key on the bottom row, then drag it to a desired position.



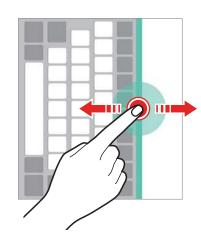
NOTES

- This option is available on the QWERTY, QWERTZ and AZERTY keyboards.
- This function may not be supported for some languages

Customizing the keyboard height

typing. You can customize the keyboard height to maximize hand comfort when

- Tap Home > 🌣 Settings > Language & input > LG Keyboard > Settings > Keyboard height and layout > Keyboard height. Keyboard height and layout > Keyboard height. You can also touch and hold **ψ¨ Voice** on the keyboard and tap 🔯
- 2. Adjust the keyboard height.



Selecting a landscape keyboard mode

You can select a landscape keyboard mode from several choices

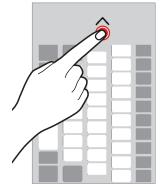
- Tap Home > 🖨 Settings> Language & input > LG Keyboard > Settings > Keyboard height and layout > Keyboard type in landscape. Keyboard height and layout > Keyboard type in landscape. You can also touch and hold lackbreak line lackbreak line
- 2. Select a keyboard mode.

One-handed operation mode

the keyboard with one hand. You can move the keyboard to one side of the screen so that you can use

- Tap Home > 🌣 Settings > Language & input > LG Keyboard > Keyboard height and layout > One-handed operation.

 You can also touch and hold ♥ Voice on the keyboard and tap ⟨♡⟩ Settings > Keyboard height and layout > One-handed operation
- 2. Press the arrow displayed next to the keyboard to move the keyboard in the desired direction.



Entering text by using voice

On the keyboard, tap 🖟 Voice.

NOTES

- To maximize the voice command recognition, speak clearly.
- To enter text with your voice, make sure that your device is connected to a network.
- To select the language for voice recognition, tap Settings > Languages on the voice recognition screen.
- This function may not be supported, or the supported languages may differ depending on the service area.

Copy and Paste

app. Or, you can run other apps and paste the text into them. You can cut or copy text from an app, and then paste the text into the same

- 1. Touch and hold around the text you want to copy or cut.
- 2. Drag / to specify the area to copy or cut.
- 3. Select either **CUT** or **COPY**.
- Cut or copied text is automatically added to the clipboard
- Touch and hold the text input window, then select PASTE

NOTE If there is no item that has been copied or cut, the PASTE option will not appear.

Clip Tray

and can be pasted to any space at any time. If you copy or cut an image or text, it is automatically saved to the clip tray

- On the keyboard, touch and hold 🖟 Voice and tap 🔳 Clip tray. You can also touch and hold the text input window, then select CLIP TRAY
- Select and paste an item from the clip tray.
- A maximum of 20 items can be saved to the clip tray.
- Tap → Lock to lock saved items in order not to delete them, even can be locked. To delete locked items, unlock them first. when the maximum quantity is exceeded. A maximum of ten items
- Tap [II] Trash to delete the items saved to the clip tray.

The clip tray may not be supported by some downloaded apps

Languages

addition, you can set multiple languages used for the on-screen keyboard but you can set multiple secondary languages and switch as needed. In You can set only one main language for your phone's operating software,

To change the main language

Tap ○ Home > 🔯 Settings > Language & input > Language > ADD phone's main language language, then drag it to the top of the language list to make it your **LANGUAGE**. Tap the language of your choice. Touch and hold the

to set it as your main language. After adding additional secondary languages, drag any language to the top of the list

To add additional languages for your keyboard

Tap ○ Home > 🔯 Settings > Language & input > LG Keyboard > Select languages > checkmark all languages you want to use on the keyboard.

Capturing a Screenshot

the same time for 2 seconds to capture a screenshot of the current screen. Press and hold the \| Volume Down button and the \| Power/Lock button at

To view the captured image, tap igotimes Home > igotimes Gallery > the Screenshots

Using Capture+ to capture a screenshot

Capture+ (in the Quick settings). The image is captured, but not saved until you tap \checkmark <code>Done</code> and choose a location to save it to. On the screen you want to capture, drag the Status Bar downward and tap

NOTE Make sure that the paper style is not set to paper.

captured image Access the app (**QuickMemo+** or **Gallery**) where you saved it to view your

Screenshots saved to the Gallery app are in the Capture+ album

Calculator

Using your calculator

- Tap Home > Essentials > Calculator
- 2. Tap the number buttons and the function buttons (+,-) or =) calculation information is entered. necessary. The result automatically appears as soon as sufficient
- Drag the blue sidebar (on the right side of the screen) to the left to access and enter scientific calculator functions
- To clear input, tap the DEL. To clear the display, touch and hold the DEL

scientific functions displayed on the screen. Turning the device to landscape orientation expands the calculator and keeps the

NOTE

Calendar

Viewing Your Calendar and Events

created or that you've been invited to), organized by day, week, month year, or agenda. Tap ≡ **Menu** to switch calendar views or access your Tasks The Calendar app allows you to track your schedule of events (that you

Tap \bigcirc Home $> \left(\frac{74}{14}\right)$ Calendar, and then tap $\mid \equiv \mid$ Menu

- Day: Display today's schedule by hour. Swipe left or right across the screen to display another day.
- Week: Display the current week. Swipe left or right across the screen to display another week.
- Month: Display the current month. Swipe left or right across the screen to display another month.
- Year: Display all twelve months of this year. Swipe left or right across the screen to display another year
- ▶ Agenda: Display all events.

Adding an event to your calendar

- Tap Home > ¼ Calendar.
- 2. Tap 🗏 **Menu** to change the calendar view (Day, Week, Month, Year, or Agenda), if necessary.
- ω Tap the date (or the time in the day calendar view) you want to add an event to and tap - New event.
- Enter the event name.
- 9 time you wish your event to start and finish. Tap **Location** field and enter the location. Check the date and enter the
- 6. Enable the All day switch, if applicable.
- .7 until, Description, Time zone, Show me as, and Privacy, as necessary. Tap More to enter additional options such as Reminders, Repeat, Repeat
- Tap SAVE to save the event in the calendar.

Added information icons

it to the event. and automatically updating corresponding event fields. In addition, there are extracting information (such as dates, addresses, etc.) from other sources tap one of the following icons (displayed below the Time zone field) to apply icons you can use to embellish your events with identifying images. Simply There are several Calendar icons designed to help streamline event entry by

- ▼ Allows you to insert a photo
- Allows you to insert a saved memo.
- Allows you to insert saved tasks that have no deadline
- Allows you to insert a saved Pocket file.

Using Event pocket

events from your Facebook account. add events using images, text, memos, tasks, location, and also invites and Use the Event pocket feature to easily add events to your Calendar. You can

- Tap O Home > 14 Calendar > Event pocket to split the screen (Calendar on the left and Pocket on the right).
- desired date in your Calendar. Tap a pocket type to view items saved in it, then drag an item to the
- Displays your saved tasks that have no deadline
- ▶ © Display memos and images.
- $\dot{\omega}$ The event is automatically saved. You can edit the event to add additional details.

NOTE then complete as necessary. While viewing items in the Pocket folder, tap + Add to add an image or a memo,

QSlide for the Calendar app

time easily check dates, obligations, etc. while using other apps at the same You can view your month calendar in a QSlide window allowing you to

- Tap Home > ¼ Calendar.
- 2. Tap : Options > QSlide to display the month Calendar in a QSlide window
- Swipe left and right to scroll through the months
- Tap a date to view the events for that day in your day calendar.

Camera

capture your world. shots, interval shots, burst shots, capturing still images while recording pictures and videos. It has many state-of-the-art features such as gesture phone has an integrated standard camera that lets you capture sharp video, and much more. These features will allow you to easily and creatively You can use the Camera app to take and share pictures and videos. Your

NOTE A lens cover with smudges from fingers can cause blurry pictures with a "halo" Be sure to clean the protective lens cover with a soft cloth before taking pictures

Starting the camera

activate the Camera app (when enabled in the Settings app). With the backlight off, press the $\|$ Volume Down button twice to immediately

- Before taking a photo or recording a video, wipe the camera lens with a soft cloth.
- Be careful not to stain the camera lens with your fingers or other foreign
- Images included in this user guide may be different from the actual device.
- Photos and videos can be viewed or edited from the Gallery app. See Gallery overview for details.



Taking a photo

- Select a camera mode and tap the subject to focus the camera on it.
- 2. Tap (Capture to take a photo.
- \blacktriangleright You can also press the $\[\]$ Volume buttons to take a photo.

When the screen is turned off or locked, start the camera by pressing the Volume Down button twice. Tap O Home > (5) Settings > Shortcut keys and enable the

Recording a video

- Select a camera mode and tap the subject to focus the camera on it.
- Tap Record.
- To take a photo while recording a video, tap (a) Capture
- To pause the recording, tap (||) Pause. To resume the recording, tap Record.
- 3. Tap (•) Stop to end the video recording

Customizing the camera options

You can customize a variety of camera options to suit your preferences

Tap ⟨◌⟩⟩ **Settings** on the camera screen.

Available options vary depending on the selected camera (front or back camera) and the selected camera mode.

HDR	Video resolution	Photo size
Sets compensation effects to produce photos in vivid colors, even when they are taken against the light. These functions are provided by the high dynamic range (HDR) technology equipped in the device's camera.	Sets the desired value for the resolution and size of your videos.	Sets the desired value for the aspect ratio and size of your photos.

Timer	Sets the timer to automatically take photos after a specified period of time.
Cheese shutter	Enables taking photos with voice commands.
Tag locations	Saves the image with GPS location data.
Grid	Displays guide grids so that you can take photos or record videos based on the horizontal and vertical reference lines.
Storage	Select if you want to store the pictures and videos in the Internal storage or SD card. (Available when a memory card is inserted.)
Simple view	Hides all menus from the camera screen.

Additional options on the front camera

Save as flipped	Gesture view	Selfie shot
Enables the selfie to be saved as a mirror image of the screen view. Available from the front-facing lens only.	Allows you to check your selfie shot immediately after taking it. Available from the front-facing lens only.	Sets how you want to take your selfies (Gesture or Auto). Available from the front-facing lens only.

NOTE

When using the front camera, you can adjust the filter.

Burst shot

You can take continuous shots to create an illusion of moving pictures.

Touch and hold (Capture.

Continuous shots are taken at a fast speed while (down. Capture is held

NOTE camera. You can take up to 30 photos using the rear camera and 20 photos using the front

Simple view

Tap \textbf{\textit{Redisplay}} \text{ Redisplay} to display them again. Tap 🕸 **Settings > Simple view** to hide the menus on the camera screen.

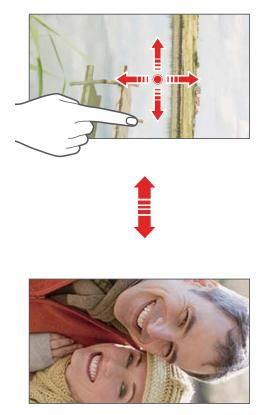
Save as flipped

flipped to flip the captured image horizontally. Before taking a photo with the front camera, tap 😂 Settings > Save as

Switching between cameras

environment. You can switch between the front and rear cameras to suit your

to switch between the front and back cameras On the camera screen, tap 🗐 **Swap** or swipe the screen in any direction



Zoom in or out

recording a video. You can use zoom in or out on the camera screen while taking a photo or

- On the camera screen, pinch or spread two fingers to zoom in or out, then use the displayed +/- slide bar.
- You can also drag Q Capture up or down.

The zoom feature is not available when using the front camera in selfie mode.

Clock

the top of the screen or swiping horizontally across the screen. Stopwatch functions. Access these functions by tapping the tabs across You use the Clock app to access the Alarm, World clock, Timer, and

Alarm

- Tap Home > (¬) Clock > Alarm > (→) Add
- 2. Set an alarm by tapping the hour or minutes and selecting the desired instead of the clock graphic. Tap AM or PM as necessary. time on the clock graphic. Tap 🐷 Keypad to set the time using a keypad
- ω Set Repeat, Alarm sound, Alarm volume, Alarm with vibration, Snooze duration, Alarm note, and Puzzle lock.
- 4. Tap SAVE

NOTE To access (and change) the alarm settings from the alarm list screen, tap the • Options then tap Settings.

World clock

times in other time zones with a quick glance The World clock allows you to set up a list of cities to easily check current

- Tap O Home > (1) Clock > World clock.
- Tap one. New City, search through the available cities, then tap the desired

NOTE A network connection is necessary to search for cities

limer

has passed. The Timer can alert you with an audible signal when a set amount of time

- 1. Tap O Home > (1) Clock > Timer.
- 2. Set the desired time on the timer.
- 3. Tap **Start** to start the timer
- ▶ Tap Pause to pause the timer.
- Tap Stop to stop the timer

Stopwatch

The Stopwatch allows you to use your device as a stopwatch.

- 1. Tap O Home > () Clock > Stopwatch.
- 2. Tap Start to initiate the stopwatch.
- ▶ Tap Lap to record lap times.
- 3. Tap Pause to suspend the stopwatch.
- ▶ To resume the stopwatch, tap Resume.
- To clear all the records and reset the stopwatch, tap Reset.

Contacts

can scroll through the list or select the Groups tab. information in your phone's memory. Entries are listed alphabetically. You The Contacts app allows you to store names, phone numbers, and other

acquaintances, and associates. Use the Contacts app to add, view, and communicate with your friends,

To open your Contacts app

▶ Tap O Home > 🚨 Contacts.

NOTE You can also tap the Contacts tab from the Phone app

Contacts list

alphabet is displayed vertically along the right side of the screen. You can drag along it or tap the desired letter. When you open the Contacts app, your contacts list is displayed. The

emergency, whether or not the phone is locked. entries that someone can contact on your behalf in the event of an contacts. Add up to 5 emergency entries from your contacts list. These are In Case of Emergency (ICE) contacts is displayed above your list of

To add ICE entries

- 1. Tap O Home > ▲ Contacts
- Tap In Case of Emergency contacts (at the top of the list)
- 3. Tap the 😃 Add entry.
- Checkmark the entry (or entries) to add to your ICE list, then tap ADD.

ICE Information

your personal information: instructions, etc.) that can be accessed in case of an emergency. To add about you (such as health record, allergies, medications, special In addition to your emergency contacts, you can enter personal information

- 1. From the emergency contacts screen, tap the (i) Information
- 2. Tap ## Add, enter your information, then tap SAVE.

To search for a contact

- 1. Tap O Home > 🚨 Contacts
- 2. Tap the Search contacts box and enter the contact name. Matches are displayed as you begin to type.

Searching your online contacts simultaneously

accounts You can search for your contacts simultaneously from all of your online

To set your phone to search simultaneously,

- 1. Tap O Home > ▲ Contacts
- Tap Options > Contacts settings > Online search.

To open your groups list

Open the Contacts app and tap Group

your accounts (at the bottom of the screen). Groups displays your contacts by category (at the top of the screen) and

screen, and Contacts settings Tap 🔃 Options from the Groups to access Delete, Share, Change order, Default

To view details about a contact

- 1. Tap O Home > ▲ Contacts
- 2. Tap the contact whose details you want to view.



- ω options are available (depending on the types of information saved). The information you entered for the contact is displayed. The following
- © Dial places a call to the number.
- Message starts a message
- @ Email starts an email.
- voicemail. Merge, Back up, Refresh, Separate, Set defaults, and All calls to Options accesses the following menu options: Share, Forward,

Adding Contacts

accounts that support syncing contacts. contacts in your $Google^{TM}$ Account, Microsoft Exchange account, or other You can add contacts on your phone and synchronize them with the

attempts to merge new information with existing similar contact entries to create a single entry. You can also manage that process manually by Since your contacts can come from a variety of sources, the Contacts app merging or separating entries

To add a new contact

- 1. Tap Home > ▲ Contacts
- 2. Tap New contact
- ω Tap the Accounts field to select an account in which you want to save the contact, if necessary.

NOTE To change the account later, edit the entry, tap the account, then select the desired

- 4. Enter the contact's name.
- 5. Tap a desired category, such as phone number or email address, to enter details about the contact.
- Tap + Add under a category to add more than one entry for that example, Home, Work, Home Fax or Other for a phone number. entered information to open a drop-down menu of preset labels. For number and add a home number. Tap the label field to the right of the category. For example, in the phone number category, enter a work
- ▼ Tap More to add additional fields.
- 6. Personalize the contact entry.
- ▶ Set the group this contact belongs in.
- Set a ringtone to identify calls from this contact.
- Set a message alert sound to identify notifications from this contact.
- Tap (4) Image to select a picture to identify the contact.
- When you're finished, tap SAVE.

Editing a Contacts entry

- Tap O Home > ▲ Contacts, and then tap the contact entry you want to
- 2. Tap 🖉 Edit.
- 3. Edit the entry as needed, then tap SAVE

Merging and separating contacts

them into a single entry. You can also separate contacts that were merged. When you have two or more entries for the same contact, you can merge

- Tap O Home > ⚠ Contacts, and then tap the contact entry you want to merge with another entry.
- 2. Tap the **Menu** , then tap **Merge**.
- 3. Select the entry you want to merge

options menu to allow you to separate the merged entries Once entries have been merged, Separate becomes available in the

- Tap O Home > ▲ Contacts, and then tap the contact entry you want to separate.
- 2. Tap : Options, then tap Separate
- 3. Tap **SEPARATE** to confirm.

Setting Speed Dials

Designating multiple speed dials

- Tap O Home > **Contacts**, and then tap : Options
- Tap Speed dial.
- ω entry for it. Tap the speed dial number you want to assign, then tap the Contact
- Repeat selecting a speed dial number and the desired Contact entry as necessary.

Downloads

You can view, delete or share files downloaded via the Internet or apps

Tap ○ Home > 🕍 Essentials folder > 🕙 Downloads

Email

The following account types are supported: Microsoft Exchange, Outlook, Yahoo! Mail, AOL Mail, Verizon, and other accounts

To open the Email app

▶ Tap ○ Home > @ Email.

add an email account. After the initial setup, the Email app displays the contents of your Inbox. The first time you open the Email app, a setup wizard opens to help you

You can also add your email account(s) using the Accounts menu in the Settings

The Accounts list

The Menu displays all of your email accounts.

accounts and folders. You can also swipe horizontally from the left side of the screen to open the Email Menu to view your Accounts list. Open the **Email** app. Tap **= Menu** to display a list of all of your email

Each account name is displayed in an identifying color. Tap an account to toggle between displaying and hiding its folders. The number of unread mail is displayed next to each account's Inbox.

Using the Email app

- ▶ Tap ★ Compose to compose a new message.
- Tap = Menu to switch between your email accounts and folders
- Touch and hold a message, then you can tap MARK AS READ/UNREAD, messages at once, then tap the action to apply to all of them. **MOVETO**, or **DELETE**. You can also tap \square **Select all** to select all of your
- Swipe a message off the screen to the left or right to delete the message
- Tap Options to access Sort by, QSlide, and Settings
- Drag downward from the top of the Inbox list to refresh the list.

Message search

displayed results. Tap < Search, enter the text you're looking for, then tap one of the

Reading Your Email

individual account. Tap a message entry to open it. You can read your email from the Inbox, or from other folders within each

is displayed on the left side of the screen. Tap an email to open and display its contents on the right side of the screen. format when the phone is held horizontally. Your Inbox (or any other selected folder) If you enable the Split view setting, the Email app is displayed in a split-screen

To read an email

the left of each message corresponds with each account's identifying color. When viewing the combined view for your Inboxes, the color displayed to

- 1. Open the **Email** app, then tap \equiv **Menu**.
- Tap Inbox under COMBINED VIEW to display all of your messages from all accounts together or tap Inbox under the account you want to view.

To add an account

From the Email app, tap : Options> Settings > Add account. Then, configure the new email account settings as necessary.

Changing Email settings

To change the Email settings, open the Email app, tap : Options > Settings

Other settings

view, Save to, Ask before deleting, Auto-advance, and Load images. The Other settings menu includes the following options: Preview, Split

Accounts

account. Tap an account in the list to modify the settings that apply only to that

File Manager

stored in your phone. To access the desired file(s), manually browse by enter search text by tapping the \mathbb{Q} Search. tapping any folder icon (and subsequent folder icons within each folder), or Use the File Manager app to easily view and manage your folders and files

To open the File Manager app

Tap ○ Home > 📷 Essentials folder > 📖 File Manager.

Using File Manager

- ightharpoonup : Allows you to select the desired storage location. Choose from Internal storage, SD card, and Cloud.
- Q : Allows you to search for desired files by entering text
- oxdots : Allows you to open two File Manager apps to move or copy files between folders.
- 面: Allows you to select folders or files to delete
- : Allows you to access New folder, Move, Copy, Share, Compress, and **QSlide**. View as, Sort by, Show/Don't show hidden files, SD card settings

Searching in File Manager

storage, SD card, or Cloud) if necessary, then tap Q Search to search for your files or information. Open the File Manager app, select where you want to search (Internal

Gallery

Gallery overview

You can view and manage photos and videos saved on your device

- Tap Home > Gallery.
- Saved photos and videos are displayed by folder.
- Tap a folder and select a file.
- View the selected file in full-screen mode
- ▶ While viewing a photo, swipe left or right to view the previous or next photo.
- While viewing a video, swipe left or right to rewind or fast-forward the video.

NOTES

- Some file formats may not be supported, depending on the installed software
- Some files may not open due to encoding.
- Files that exceed the size limit may cause an error.

Viewing photos



NOTE

screen again. To display the menu items, gently tap the screen. To hide the menu items, tap the

Editing photos

- 1. While viewing a photo, tap / Edit
- 2. Use a variety of effects and tools to edit the photo.
- Tap SAVE to save changes.
- The edited photo overwrites the original file
- To save the edited photo as another file, tap : Options > Save copy.

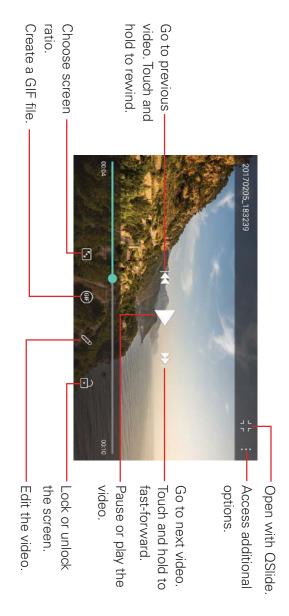
Writing a memo on the photo

- 1. While viewing a photo, tap 🛭 Memo
- 2. Write a memo on the photo and tap SAVE
- ▶ The memo is applied to the photo.

NOTE Some photos may not support the photo memo feature

Playing a video

provides the following options Select a video from an album in your Gallery. Playing it using the Videos app

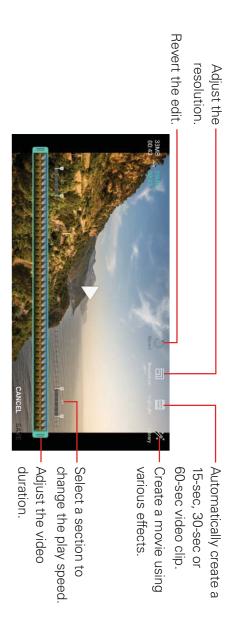


NOTES

- To adjust the sound volume, drag the right side of the video screen up or down.
- To adjust the screen brightness, drag the left side of the video screen up or down.

Editing videos

- 1. While viewing a video, tap 🆉 Edit
- 2. Use a variety of effects and edit tools to edit the video.



3. Tap **SAVE** to save changes.

Making a GIF

You can easily make a GIF using recorded video

See Making a GIF file for details.

Deleting files

You can delete files by using one of the following options:

- Touch and hold a file from the file list, then tap Delete
- Tap iii Delete in an album, select files you want to delete, then tap DELETE.
- Deleted files are automatically moved to Trash and they can be restored to the Gallery within 7 days
- On the Gallery, tap **IIII** Menu > delete the files. In this case, the files cannot be restore Trash. Tap 🗵 Delete to permanently

Sharing files

You can share a file using one of the following options:

- ▶ On the photo or video screen, tap **< Share** to share the file using the desired method.
- ▶ While viewing a video, tap : Options > Share to share the file using the desired method.
- ▶ Tap **<> Share** from the Albums screen to select one or more files and share using the desired method.

Google Apps

when you use a Google app for the first time (if you didn't register your device first. The Google Account registration window appears automatically refer to the Help text in the app. account when you initially set up your device). If you do not have a Google Account, create one from your device. For details on how to use an app, To use Google apps, a Google Account needs to be registered in your

Drive

offline environments accessible from apps can be accessed from anywhere, including online and Upload, save, open, share, and organize files from your device. Files

Maps

geographical, traffic, or transit information. Get directions to destinations Find your location or the location of a specific place on a map. View

Photos

photos View or share photos or albums saved on your device. Edit or enhance your

Duo

app. Make a video call with your family, friends and anyone else who uses the

Chrome

data from a computer to your device Sign in to Chrome and import opened tabs, bookmarks, and address bar

Gmail

Register your Google email account in your device to check or send email.

Play Movies & TV

can be played Use your Google Account to rent or purchase movies. Purchased contents

You Tube

people around the world. Search for and play videos. Upload videos on YouTube to share them with

Play Music

music files saved on your device. Use your Google Account to purchase music files from Play Store. Play

Google

or speaking keywords. Use Google to search for web pages, images, news and more by entering

Messaging

messaging app which will enable you to use all of the app's features Two apps are preloaded on your phone that allow you to send messages: the Messaging, and 🔼 Message+, but only one can be set as your default

To open the Messaging app

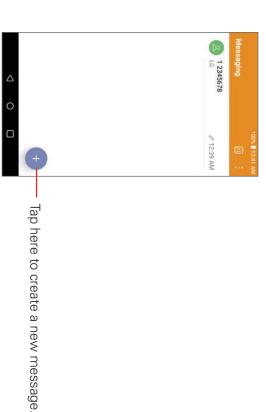
▶ Tap O Home > 📷 Essentials folder > Messaging

Using the Messaging app

To use the **Messaging** features, you must set it as the default messaging

NOTE app, but you can't create a message. You can view your messages in the Messaging app without setting it as your default

■ lap New message to start a new text or multimedia message



- Tap an existing message thread to open it.
- Tap III Delete to delete message threads.
- Tap : Options to access Search and Settings

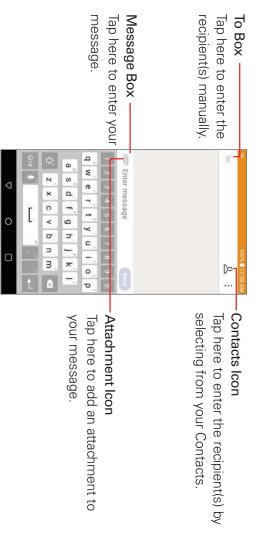
NOTE Pinch in (or spread apart) on your list of messages to resize it for easier viewing or navigation.

ə delete a message thread from the Messaging window

- 1. Touch and hold the message thread
- Tap Delete in the context menu that opens
- ω Tap **DELETE** to confirm you want to delete the message thread.

To send a text message

- Open the **Messaging** app (set it as your default, if necessary), then tap • New message
- 2. Enter the recipient(s) in the **To** box.
- Tap Contacts, select one or more entries from your Contacts, then tap DONE
- from your Contacts. Enter a name (or a partial number), then tap a suggestion displayed
- Enter a number manually for phone numbers not in your Contacts
- ▶ Tap the message box, then enter your message.



as a draft. The ${\mathscr O}$ **Draft** on the right side of the message thread indicates If you tap \triangleleft **Back** while composing a message, it's automatically saved resume composing it. pending draft message to the recipient. Tap the message thread to

ω Tap : Options > Add subject to add a message subject

The subject text appears above the body text in bold letters

4 Tap @ Attach to open a dialog box where you can choose the type of media file to attach to the message

NOTE To delete an attachment, simply tap 🔇 Delete on the attached file

5. Tap Send message thread with that contact. Your sent and received messages appear in the same window, creating a Send to send the message

Receiving and viewing messages

the contact, the message will be received without any notification. Notification settings Otherwise, you'll receive a new message notification based on the If you receive a message from a contact while in the message window with

If the Show as pop-ups option is enabled, you'll receive a pop-up notification on the current screen which you can use to directly reply.

options. to it. Touch and hold the media file to open a context menu with additional If the message contains a media file, tap the Play to view, watch, or listen

While viewing a message thread, you can tap 🜭 Call to place a call instead of sending a message.

To respond to messages you receive

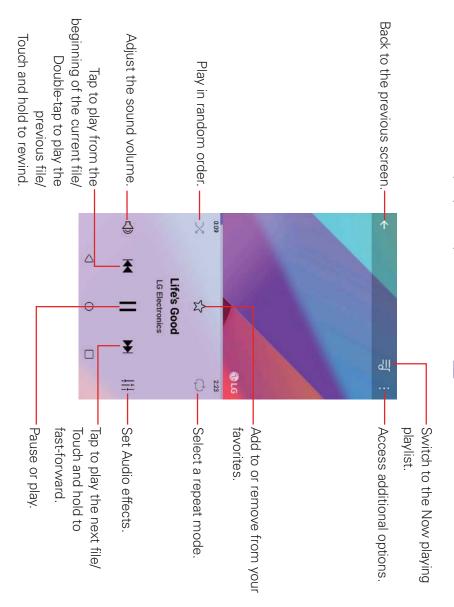
of the screen, complete your response as necessary, then tap the Send. While viewing the received message, tap the message box at the bottom

Changing Messaging Settings

To change the Messaging settings, open the Messaging app (set it your default, if necessary), tap : Options > Settings. Messaging settings include Notification, Blocked numbers, Quick reply, and More

Music

To access the Music player, tap \bigcirc Home > 🗗 Music. Your phone has a music player that lets you play all of your favorite tracks



Playing a song

- Tap Home > ☐ Music.
- 2. Select a category
- Tap the song you want to play.

NOTES

Files that exceed the size limit may cause an error.

• Some file formats may not be supported, depending on the installed software

 Music files may be protected by international copyright owners or copyright laws. or copy a music file, first check the copyright law for the relevant country. You may have to obtain legal permission before copying a music file. To download

Other Music player options

- Touch and hold any song in the Music library to access its context menu which includes: Add to playlist, Delete, Phone ringtone, Caller ringtones and Details.
- ▶ Tap : Options in the Music library to access its options menu which includes: Cloud, Select to play, Add to playlist, Share, and Settings

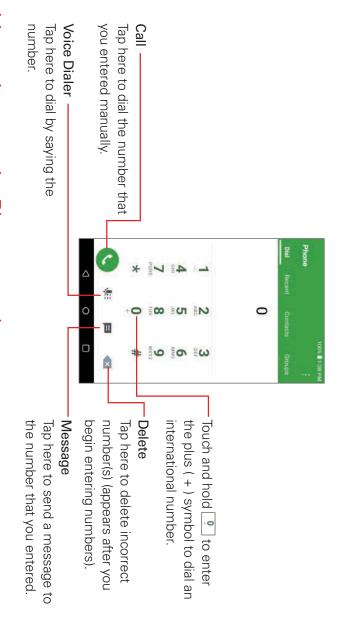
Exiting the Music player

in the upper-right corner of the Music notification. To exit the Music player, swipe the Status Bar downward, then tap X Close

If you choose Caller ringtones, tap a desired contact to set it.

Phone

To open the Phone app



Moving between the Phone app tabs

top of the screen to view that tab. You can also swipe the screen underlined white line. horizontally to scroll to the other tabs. The current tab is displayed with an Tap any of the Phone app tabs (Dial, Recent, Contacts, and Groups) at the

Making a call by dialing

- . Tap O Home > 📞 Phone > Dial.
- 2. Use the dialpad to enter the number you want to call.
- Tap Call (on the dialpad) to dial the number that you entered.

Ending a call

▶ Simply tap (♠) End on the Call screen to end the call.

are several ways to return to the Call screen to end the call If you accessed other device functions while the call was in progress, there

- ▶ Tap the Ongoing call portal.
- ▼ Tap Home > Phone.
- Drag the Status Bar down, then tap > End in the Current call notification.

enable the End call with the Power key switch). feature in the Call settings (tap : Options > Call settings > Answer and end calls > You can also press the O Power/Lock button to end the call, if you activated this

Answering or Rejecting Calls

the contact's entry. All incoming calls are recorded in the Recent tab caller ID and any additional information about the caller that you've saved in When you receive a phone call, the Incoming call screen opens with the

To answer a call

▶ Drag Answer in any direction to answer the call

To ignore a call and divert it to Voicemail

Drag Ignore in any direction to ignore the call

To silence the incoming call ringer, press either of the Volume buttons

To ignore a call and send a text message

enable it in the Phone app's Call settings menu To display the **Ignore with message** option on the Incoming call screen,

- Tap Home > Phone > Options > Call settings
- 2. Tap Call blocking & Ignore with message > Allow ignore with message switch to toggle it On (blue).
- that can be sent after ignoring a call. Tap Allow ignore with message to manage the predefined text message choices

NOTE This feature can only be used to send a message to another mobile phone. It's not applicable to incoming landline calls.

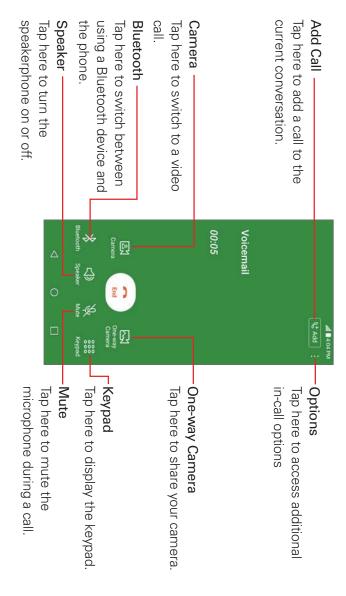
Checking an incoming call while using an app

send message from the pop-up screen. displayed at the top of the screen. You can receive the call, reject the call, or When a call comes in while using an app, a pop-up notification can be



NOTE call pop-up. Tap O Home > Phone > Options > Call settings > More > Incoming voice

During a Call



NOTE

Tap : Options on the Call screen to access Contacts

Recent Tab

number to your Contacts ignored. It offers a convenient way to redial a number, return a call, or add a The **Recent** tab records all of the calls you've dialed, received, missed, or

Opening the Recent tab

Tap O Home > Phone > Recent

type. The number in parenthesis indicates the number of calls recorded for that phone number and type. The **Recent** tab lists your calls chronologically by phone number and call

Viewing call entry details

🔇 dialed, 斉 missed, and 📞 ignored), the date and the time of the call. phone number and call type. Each one includes the call type 🖎 received, Open the Recent tab, then tap an entry to view all of call history for that

Filtering your list of calls

call type you want to view. Tap O Home > 🕓 Phone > Recent, and then 🔡 Options > Filter. Tap the

Tap **△** Back to return to the Recent tab screen.

Dialing a number in the Recent tab

- From the **Recent** tab, tap & **Call** at the right of the call entry.
- From the **Recent** tab, tap the image to the left of the call entry to view other information saved in your phone's memory for that contact. Iap a phone number to dial it.
- phone number field, tap PASTE, then edit the number as necessary before tapping Copy number in the context menu. Change to the Dial tab, touch and hold the To insert an area code when you're traveling, touch and hold the entry, then tap

Deleting your Recent calls

You can delete the entire list of Recent calls at once or selectively.

- Tap O Home > Phone > Recent.
- 2. Tap Options

- entries to delete, tap CLEAR, then CLEAR. Tap Clear to select entries to remove from the list. Checkmark the
- Tap Clear all to remove all of the entries from the list. Tap CLEAR to confirm you want to delete the entire list.

Recent tab. Tap Clear all logs of this number, then tap CLEAR to confirm You can also select a specific number to be deleted. Touch and hold an entry in the

Speed Dial

Create a Speed Dial

- . Tap O Home > 📞 Phone > Dial.
- Tap Options > Speed dial.
- ω Tap Add contact and select a name or number to set up a speed dial.

Making a call using Speed Dial

- 1. Tap O Home > Phone > Dial
- 2. Touch and hold the Speed dial number.

Managing Multiple Calls

supported Contact your wireless service provider to find out which call services are

To switch between current calls

other call. The current call will be placed on hold and you'll be connected with the

To set up a conference call

conference calls and how many participants you can include Contact your wireless service provider to find out whether they support

- Place a call to the first participant.
- 2. When you're connected, tap 😂 Add call on the Call screen.
- 3. Enter a phone number.
- Use the Phone app tabs to select a saved number, then tap \(\)

- the Use the buttons on the dialpad to manually enter a number, then tap 6 Call.
- After you're connected, tap conference call is active is added to the conference call and the Call screen indicates a Merge on the Call screen. The participant

Activating Advanced Calling

you talk on the phone, when you add **Advanced Calling** to your line You can make high-definition voice and video calls, and surf the web while

To upgrade to Advanced Calling:

- Tap Home > Settings > Advanced Calling
- 2. Choose what type of Advanced Calling feature(s) you want to use

Activating Wi-Fi Calling

Wi-Fi network when cellular is not available. Wi-Fi Calling allows you to make and receive voice and video calls over a

- Tap Home > Settings > Advanced Calling.
- 2. Tap Activate Wi-Fi Calling
- 3. Tap Wi-Fi Calling On/Off to turn on or off.
- location information (E911) address then tap SAVE Tap Update Current Emergency Address to enter the emergency
- This info gets transmitted to the emergency dispatcher for all 911 calls entered will be prompted to enter a new address until a valid address is made over a Wi-Fi network. If address validation fails then the users
- Upon successful validation of the address, Wi-Fi Calling turns on.

NOTE You must be connected to a Wi-Fi network to enable this feature.

QSIide

support the QSlide function. transparent. QSlide windows can be opened directly from the apps that easy multi-tasking. The overlay window can be moved, resized, or made The QSlide function enables an overlay window on your phone's display for

To open a QSlide window

- While using an app that supports QSlide, tap : Options, then tap QSlide.
- You can add the **QSlide** icon to the Home touch buttons bar to allow you to easily use QSlide.
- Tap Home > Settings > combination. Display > Home touch buttons > Button
- Drag 4- QSlide on the bar to add it to the Home touch buttons bar.

Using QSlide

foreground, allowing you to access other apps in the background. It's displayed continuously on the screen until you close it. The **QSlide** function opens the associated app in a window in the



4	₩	2	
	×		
Drag to adjust the size of the QSlide window.	Tap to exit the QSlide function.	Slide to adjust the transparency.	Tap to return to full window view.

NOTE

supported only on the following apps: Video, Phone, Contacts, Messaging The QSlide function can support up to two windows at the same time. QSlide is Calendar, Email, and File Manager.

QuickMemo+

notepad apps, supports image management and screenshots variety of options. This advanced notepad feature, unlike other conventional QuickMemo+ provides you with the ability to make creative notes using a

Creating a note

- 2. Tap + Add to create a note, then use the tools and options as needed
- : Tap to save the note you created.
- ▶ <a>↑ : Tap to undo the most recent action.
- ightharpoonup : Tap to redo the most recently deleted action.
- ▶ 1: Tap to insert text into your memo.
- color, and transparency.
- ♦ : Tap to erase pen marks you've made on the memo.
- \bigcirc : Tap to select a section of your handwritten memo to modify (e.g., erase, rotate, expand, shrink, etc.).
- : Tap to access additional options
- 3. Tap V Done to save the note

Writing notes on a photo

- Tap Home > See Essentials folder > QuickMemo+
- 2. Tap O Camera to use the Camera function. Tap O Capture to take a photo, then tap OK.
- ▶ The photo is automatically inserted in your note
- 3. Write notes on the photo.
- ▶ Tap Pen to write notes by hand on the photo
- lacktriangle Tap \prod Text to enter text below the photo.
- Tap \(\sum \) Done to save the note.

Writing notes on a screenshot

- 1. While viewing the screen you want to capture, drag the Status Bar downward and then tap [2] Capture+ in the Quick settings.
- The screenshot appears as the notepad background theme. Memo tools appear at the top of the screen.
- 2. Crop the image (if necessary) and take notes as desired
- ▶ Write notes by hand on the photo.
- ω Tap \checkmark Done and save the note to the location of your choice
- Saved notes can be viewed in either QuickMemo+ or Gallery
- To save notes in the same location all the time, select the Use as default app checkbox before selecting a desired app.

NOTES

- You can capture the entire screen by using the scroll capture feature
- While using an app such as Message and Chrome, drag the notifications panel are currently viewing as a single file. downwards and then tap Capture+ > Extended to capture the entire screen you
- This feature is available only on some apps that support the scroll capture feature

Managing folders

memo files. You can view your notes grouped together by type and easily manage your

- Tap \(\begin{align*} \text{Menu} & \text{Menu} & \text{and select a menu item:} \end{align*}
- All memos: View all notes saved in QuickMemo+
- ▶ My memos: View notes created using QuickMemo+.
- Photo memos: View notes created using [O] Camera
- Capture+: View notes created using the Capture+ option from the Status Bar.
- ▶ Trash: View deleted notes
- New category: Adds a new category. Enter a name and select an associated graphic.
- ర్లైస్తి Settings: Manages (add, delete, rename, and rearrange) your folder categories. To change the name of a category, tap the category.

Disabled folders are enabled and appear when they contain at least one related Some folders do not appear when launching QuickMemo+ for the first time.

NOTE

Multi-tasking Feature

Multi window

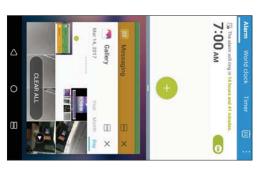
multiple windows. You can use two apps at the same time by separating the screen into the

- 1. Tap Recent apps from the Home touch buttons
- ▶ Recently-used apps appear.
- Tap Multi window at the top of the de
- 3. sired app to use the Multi window feature
- The selected app appears at the top half of the screen.

You can also access this feature doing the following:

- Touch and hold **Recent apps** while using an app
- Recently-used apps appear on the split screen.
- Tap Multi window at the top of the desired app to use the Multi window feature.
- The selected app appears at the bottom half of the screen.





NOTES
- To deactivate the Multi window feature, touch and hold $\begin{tabular}{l} \end{tabular}$ $\begin{tabular}{l} tab$

- To adjust the size of the split screen, drag Multi window bar at the center of the
- The Multi window feature is not supported by some LG apps and apps downloaded from the Play Store.

Overview screen

The Overview screen provides a preview of your recently used apps.

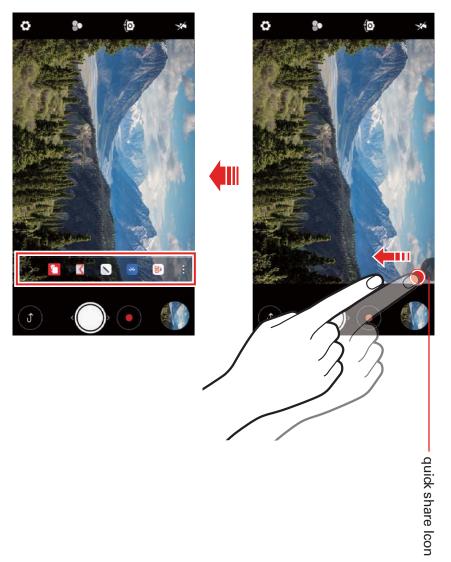
touch buttons, then tap the displayed app. To view the list of recently used apps, tap [] Recent apps on the Home

Touch and hold an app and drag it to the top of the screen to start the app with the Multi window feature. You can also tap \biguplus Multi window at the top of each app.

quick share

You can share a photo or video using a desired app immediately after taking

- Tap O Home > O Camera, then take a photo or record a video.
- 2. Tap the app icon that appears on the screen to share it using that app. other apps you can use to share your photos and videos. You can also swipe the icon towards the opposite direction to see what



NOTES • The app displayed by the quick share icon may vary, depending on the type and frequency of access to the apps installed on the device.

This feature is available only in specific modes.

Settings

setting how its screens look, how it notifies you, how it reacts, and a lot more The Settings app allows you to customize and personalize your phone by

NOTE Settings that are specific to an app are accessed through its own Settings menu within the app. For example, the Chrome app has settings specific to your Internet access.

To open the Settings app

▶ Tap ○ Home > Settings.

The upper-right corner of the Notifications panel also has a 🔯 **Settings** that you can tap to open the Settings app.

Viewing settings

view (or List view). Tap 🗜 Options at the upper-right corner of the Settings app, then tap Tab

- ▶ List view Scroll up and down through the list.
- Tab view Swipe left and right or tap the tab you want

The instructions to perform tasks in this guide are based on the default List view setting

Wireless Networks

device's wireless radio communications The Wireless Networks category allows you to configure and manage your

Airplane mode

connections Tap its 💮 📉 switch to toggle it ON or OFF. On disables all wireless

Wi-Fi

extra charges the wireless access point (AP). Enjoy wireless Internet using Wi-Fi, without With Wi-Fi, you can use high-speed Internet access within the coverage of

Connecting to Wi-Fi networks

'hotspot'. Some access points are open and you can simply connect to them To use Wi-Fi on your phone you need to access a wireless access point or

the life of your battery. be able to connect to them. Turn off Wi-Fi when you're not using it to extend Others are hidden or use security features. You must configure your phone

Turning Wi-Fi on and connecting to a Wi-Fi network

- 1. Tap O Home > Settings > Wi-Fi.
- 2. Tap 🕶 available Wi-Fi networks Wi-Fi ON/OFF to turn Wi-Fi on and start scanning for
- ω. Tap SEARCH to see a list of active and in-range Wi-Fi networks
- Secured networks are indicated by a lock icon.
- Tap a network to connect to it.
- If the network is secured, you're prompted to enter a password or other credentials. (Ask your network administrator for details.)
- The Status Bar displays icons that indicate your Wi-Fi status

Wi-Fi network settings

Allows you to set up many of your device's Wi-Fi services

Options Accesses the Wi-Fi options menu.

(SSID), security, and password. Add Wi-Fi Allows you to manually add a Wi-Fi network by entering its name

Saved Wi-Fi Displays your saved Wi-Fi networks allowing you to manage

Advanced Wi-Fi Provides additional specific Wi-Fi connection settings

NOTIFICATIONS

are available nearby. Wi-Fi notification Enable this option to be notified when Wi-Fi networks

network is available when you launch an app. Show Wi-Fi pop-up Enable this option to be notified when a Wi-F

USEFUL SETTINGS

it, or modify it. networks will be detected. Tap a network to connect to it, view it, forget Manage networks Allows you to specify the order in which your Wi-Fi

the screen is off. Keep Wi-Fi on during sleep Allows you to set the Wi-Fi status when

an Internet connection. (Data usage may apply.) network whenever the Wi-Fi network you're connected to doesn't have Avoid bad Wi-Fi connections Enable this option to use

CONNECTION

access point. Wi-Fi Direct Allows you to connect with Wi-Fi devices without any

Wi-Fi network with a WPS button. Connect by WPS button Provides information to connect to a secured

Wi-Fi network. Connect by WPS PIN Provides the WPS PIN to connect to a secured

PERSONAL

Install certificates Allows you to install certificates from storage

INFORMATION

be entered in the router to connect to some wireless networks with MAC address Displays your phone's MAC address (which may need to MAC filters).

IP address Displays your phone's IP address.

Help Displays information about Wi-Fi networks.

Wi-Fi Direct

share data directly with them. You do not need an access point. You can connect with more than two devices by using Wi-Fi Direct. You can connect your device to other devices that support Wi-Fi Direct to

- 1. On the settings screen, tap Wi-Fi > : Options > Advanced Wi-Fi > Wi-Fi
- Nearby devices that support Wi-Fi Direct automatically appear.
- 2. Select a device.
- Connection occurs when the device accepts the connection request.

Bluetooth

a keyboard. This makes it easier to control the device. exchange data with them. Connect your device to a Bluetooth headset and You can connect your device to nearby devices that support Bluetooth to

Pairing with another device

You must pair your phone with a Bluetooth device before you connect to it.

- 1. Tap O Home > Settings > Bluetooth.
- devices within your phone's range Bluetooth ON/OFF to turn Bluetooth on and search for the
- Available devices appear automatically.
- ▶ To refresh the device list, tap **SEARCH**.

NOTE Only devices set as visible are displayed on the list

- ω Choose the device you want to pair with from the list
- Follow the on-screen instructions to perform authentication.

NOTE This step is skipped for previously accessed devices.

Once pairing is successful, your phone will connect to the device

Sending data via Bluetooth

Open the item you want to send, then tap Share

OR

Touch and hold the item you want to send, then select **Share**

OR

Open the item you want to send, then tap : Options > Share

2. Tap **Bluetooth** to share via Bluetooth.

The method for selecting an option may vary by data type

ω Search for and pair with a Bluetooth-enabled device

Receiving data via Bluetooth

- Tap Home > □ Settings > Bluetooth
- 2. Tap Bluetooth ON/OFF to turn Bluetooth on
- Tap ACCEPT when you receive a data request

Tethering & Mobile Hotspot

connect to the Internet by using your device's mobile data. You can set the device as a wireless router so that other devices can

Mobile Hotspot

- On the Tethering & Mobile Hotspot screen, tap Mobile Hotspot and then tap the switch to toggle it ON or OFF.
- 2 Tap Set up Mobile Hotspot, and enter the Wi-Fi name (SSID) and password
- ω Turn on Wi-Fi on the other device, and select the name of the device network on the Wi-Fi list.
- Enter your device's Mobile hotspot password on the target device
- NOTES • This option uses mobile data and may incur data usage fees, depending on your pricing plan. Consult with your service provider for more information.
- More information is available at this web site: http://www.android.com/tether#wifi

information for your mobile hotspot. Set up Mobile Hotspot Allows you to enter the SSID and security

to use your device as a hotspot. Manage connections Allows you to control which devices are allowed

Timeout Allows you to set when to turn off your hotspot.

CONNECTED DEVICES

Displays all connected devices

NOTE Tap: Options to access mobile hotspot tips and help.

option is gray when not connected via USB USB tethering Enable this option to allow you to connect via USB. This

connection with other Bluetooth devices Bluetooth tethering Enable this option to share the phone's Internet

phone's Internet connection. Help Displays help information regarding connecting other devices to your

Data usage

Wi-Fi network connection for data instead). from the mobile network to stop using mobile data and exclusively use a Mobile data Enable this option to allow connection to the mobile network. This switch allows you to manage your mobile data usage (e.g., disconnect

data that can be used during your cycle date. When that amount is reached your mobile data network connection will be disabled. Limit mobile data usage Enable this option so you can set the amount of

data usage that will trigger an alert. Alert me about data usage Enable this option so you can set the amount of

change it. Cycle date The date displayed is your current data usage cycle. Tap it to

data usage switches are enabled. **Graph** Displays a visual of your data usage. Limit lines are displayed if the

Apps list All of the apps that use data are listed.

Options Accesses the Data usage options menu.

Display in MB/GB Changes the data usage units.

have unrestricted data access when Data saver is enabled. restricts the data that runs in the background. You can set individual apps to Data Saver Allows you to enable the Use Data saver option which

to the Mobile tab) to view your Wi-Fi data usage. Show Wi-Fi usage Checkmark this option to display a Wi-Fi tab (in addition

that run in the background and be notified when downloading large files Metered Wi-Fi networks Allows you to select Wi-Fi networks to restrict apps

Mobile networks Allows you to set various mobile network settings

Advanced Calling

Visit verizonwireless.com/AdvancedCalling to learn how talking on the phone, when you add Advanced Calling to your line. You can make High-Definition Voice and Video Calls, and surf the web while

More

Mobile networks Allows you to set various mobile network settings

network. Mobile data Enable this option to allow data access over the mobile

Data roaming Allows you to set when to allow data roaming

signal strength. Network type and strength Displays the current network type and the

Access Point Names Allows you to set up APNs for data service

Roaming state Displays your current roaming state.

View Verizon Account Allows you to set up your Verizon account.

Change carrier Activate your Verizon phone on another network

YPN. VPN Allows you to set up VPNs (Virtual Private Networks). Choose Add

Printing Allows you to set up wireless printer(s).

PRINT SERVICES

Cloud Print Searches for available printers

NOTE Tap: Options to access Add printer, and Settings

customize your emergency alerts settings Wireless Emergency Alerts Allows you to view emergency alerts and

Device

device functions such as sound and display options. The Device category allows you to configure and manage the general

Sound

GENERAL

Silent. Sound profile Allows you to set your device to Sound, Vibrate only, or

SOUND

notifications, touch feedback, and other media. **Volume** Allows you to set individual volume levels for ringtone

delete ringtones Ringtone Allows you to set the ringtone for calls. You can also add and

composed ringtone Ringtone ID Enable this option to allow you to set calls to play a specially

VIBRATION

Sound with vibration Enable this option to emit sound as well as vibration.

Vibration type Allows you to set the vibration pattern.

ADVANCED SETTINGS

notifications. You can also add and delete notification sounds. Notification sound Allows you to set the sound heard for new

Home touch buttons or app icons Vibrate on tap Enable this option to feel a vibration when you tap the

an event. Enable Dialing keypad sound, Keyboard sound, Touch sound, Sound effects Allows you to set when a sound is emitted to notify you of Screen lock sound, Sound when roaming, and set the Emergency tone

Notifications

GENERAL

parameters that will override the Priority only setting. when to prevent interruptions from notifications. You can set specific Do not disturb Enable this option to allow you to set up and schedule

allowing peeking, and more them from displaying notifications, setting priority, hiding sensitive content, Apps Allows you to set notifications for individual apps including preventing

on your Lock screen. Lock screen Allows you to set the level of privacy for notifications displayed

Display

FONT

Font type Allows you to set the font used for the phone software

software Font size Allows you to set the size of the font used for the phone

Bold text Enable this option to bold the text on the screen

APPEARANCE

screens without dynamic zoom capability. Display size Allows you to set the size for the items and text viewed on

strain. Once enabled, set the level to your preference. Comfort view Enable this option to set a blue light filter to reduce eye

BASIC

enable the automatic setting. Brightness Allows you to set the brightness for the screen or you can

automatically based on its orientation. Auto-rotate screen Enable this option to allow the screen to rotate

times out due to inactivity to conserve your power. Screen timeout Allows you to set the amount of time before the screen

bottom of all screens, including color and placement. Home touch buttons Allows you to set the buttons displayed at the

ADVANCED SETTINGS

screen twice KnockON Enable this option to turn the screen on or off by tapping the

saver type to display. is connected to a holder or charger. Tap Screen saver to select a screen Screen saver Enable this option to display a screen saver when the device

Home screen

GENERAL

Home screen. apps separately which allows you to selectively set app shortcuts on your screen, a simplified Home screen layout, or a layout that stores all installed choose the standard Android layout that displays all apps on the Home Select Home Allows you to set the layout for the Home screen. You can

STYLE

Wallpaper Allows you to set your Home screen background (wallpaper). Select from Wallpaper gallery, Gallery, Live wallpapers, and Photos.

to change screens. Screen swipe effect Allows you to set the effect shown when you swipe

Theme Allows you to select a screen theme for your device

Icon shape Allows you to choose the desired icon shapes on the Home

LAYOUT

the Home screen panel. AppFlash Allows you to display the AppFlash feature on the left screen of

(either alphabetically or by download date). Sort apps by Allows you to set how to sort the apps on your Home screen

Hide apps Allows you to selectively hide apps from the Home screen.

(loop back to first screen after the last screen). **Loop Home screen** Enable to allow continuous Home screen scrolling

TIPS

Help Displays information regarding the Home screen items and functions

Lock screen

SCREEN SECURITY

from unintentional and/or unauthorized use Select screen lock Allows you to set a screen lock to secure your phone

on-body detection that will allow your phone to remain unlocked. Smart Lock Allows you to set trusted devices, places, voice, and/or

CUSTOMIZE

Wallpaper Allows you to set the background for your Lock screen.

Clock Allows you to set where to position the clock on the Lock screen.

setting appears only when a screen lock is set. Shortcuts Allows you to choose apps to run on your Lock screen. This

when the screen is unlocked Screen swipe effect Allows you to set the screen transition effect to apply

Contact info for lost phone Allows you to set text to be displayed on the Lock screen to identify the phone's owner.

LOCKTIME

automatically locks after the backlight turns off (time-out due to inactivity) L**ock timer** Allows you to set the amount of time before the screer

when the Power/Lock button is pressed. This setting overrides the Security Power key instantly locks Enable this option to instantly lock the screen Lock timer setting.

Gaming

saving feature You can configure settings for game tools, screen resolutions and battery

feature by tapping the game tool icon at the bottom of the screen while playing games. Game tools Tap ON/OFF to activate this feature. You can launch this

Game graphics Adjust the game resolutions.

NOTE When you change the resolutions on some games, the screen display feature may not work properly.

apply when you do not touch the screen for 5 minutes. Break time Allows you to set the screen brightness and performance to

Application manager

from running. view more information, tap Stop (or Force stop), then OK to stop the app Allows you to view and manage the apps on your device. Tap an entry to

Storage

DEVICE STORAGE

Internal storage to see your apps and the amount of space they use phone's memory in text and as a bar graph (unused space is gray). Tap Displays the total amount of space used and the available space in your

PORTABLE STORAGE

your memory card. Tap **SD card** to view the data stored on it. SD card Displays the amount of space used and the total available space in

Allows you to eject (unmount) your microSD card

To format the memory card, tap SD card > ; Options > Storage settings

Battery

BATTERY INFORMATION

(when charging) are displayed The current percentage of remaining battery power and the charging status

app usage details Battery usage Displays battery usage information including a graph and

level as a percentage on the Status Bar next to the battery icon Battery percentage on Status Bar Enable this option to display the battery

BATTERY SAVER

status bar displays | | when power saving mode is on. settings, such as the display brightness, speed and vibration intensity. The Battery saver Reduce battery consumption by cutting down some device

limitation while in power saving or battery optimization mode Power saving exclusions Select apps to use without any functional

Smart cleaning

selectively clean up your files Displays the space in use and free space in your phone and allows you to

Personal

personal information. The Personal category allows you to configure, manage, and secure your

Location

sharing your location when you search for information and use locationbased apps, such as Maps Tap the switch at the top of its screen to toggle it On or Off. On enables

scanning even when those features are set to off Options > Scanning to enable Wi-Fi scanning and/or Bluetooth

gray if the Location switch is off. Mode Allows you to set how your location is established. This setting is

RECENT LOCATION REQUEST

to view details. Displays all of the apps that have requested access to your location. Tap one

LOCATION SERVICES

performance while conserving battery. Low power location estimation Enable this option to improve location

recent location data in connection with your Google Account When enabled, Google periodically stores and uses your phone's most Google Location History Allows you to enable or disable Location History.

your location data From the Location History screen, tap : Options to view and/or manage

locations (using Location History) with selected people and devices Google Location Sharing Location sharing allows you to share real-time

Security

QuickMemo+ and Gallery files. Content lock Allows you to set a lock type (password or pattern) for your

ENCRYPTION

card data. Encrypted data is not accessible on other devices Encrypt SD card Allows you to encrypt or decrypt an external microSD

messages, alarms, notifications, and more. PIN. Until the screen is unlocked, you cannot receive most phone calls, text the current unlock method, such as a Knock Code, pattern, password, or you turn on the device to help keep it secure. Unlock the screen by entering Secure start-up Enable this option to immediately lock the screen when

- If the password is entered incorrectly more than a specific number of times, device will automatically factory reset. Be sure to remember the password
- If you forget your decryption password, you must factory reset the device to use it again. Resetting will delete all of the user data saved before the reset.

SIM CARD LOCK

set, you can change it in this menu. Set up SIM card lock Allows you to lock your SIM card with a PIN. After it's

PASSWORDS

of the password as you type it so you can see what you've entered Make passwords visible Enable this option to briefly show each character

PHONE ADMINISTRATION

administrators Phone administrators Allows you to view and selectively disable phone

Unknown sources Enable this option to allow installation of non-Play Store

CREDENTIAL STORAGE

Credential protection Displays the current storage type

Certificate management Allows you to manage your secure certificates

CA certificates Trusted credentials Shows system root CA certificates and user added

certificates User credentials Allows you to view and modify stored secure

storage Install from storage Allows you to install a secure certificate from

and related credentials Clear credentials Allows you to delete user added secure certificates

ADVANCED

Trust agents Allows you to view and selectively disable Trust agents

unpin it. This is helpful when allowing children to use your phone option to be able to designate only a single app that can be used until you Screen pin Allows you to selectively pin an app to your screen. Enable this

phone's app usage. Usage access Allows you to enable or disable the apps that can view your

preferences, and Reset default apps Options accesses Memory, Show system, Reset app

Accounts

added on your phone Auto-sync data Enable this option to automatically sync all accounts you've

ACCOUNTS

change details, access, sync settings, etc.) it. Displays all of your added accounts. Tap one to view and/or manage (e.g.,

ADD ACCOUNT Allows you to add accounts to your phone

Language & input

software and also add other languages Language Allows you to set a main language for your phone's operating

KEYBOARD & INPUT METHODS

Default Displays the name of the current keyboard. Tap to change it.

LG Keyboard Allows you to change the settings for the LG keyboard

the LG keyboard Select languages Allows you to set multiple languages to be used on

change it. **English** Displays the keyboard type for the selected language. Tap to

GENERAL

operation. layout options for your keyboard to make it easier for you to use Keyboard height, Keyboard type in landscape, and One-handed These options include **QWERTY layout, Extended keyboard**, Keyboard height and layout Allows you to adjust various height and

options, such as Emoticons, Next word, Personal dictionary, selection box as you type. Tap Word suggestions for additional Word suggestions Enable this option to show predicted words in the Update word suggestions, and Clear suggestion history.

ADVANCED

through all of its letters Path input Enable this option to enter a word by drawing a path

correction for each of your keyboard languages Auto-correction Allows you to set your level of automatic word

input. Options include Vibrate on keypress, Sound on keypress, More Allows you to set other keyboard options to enhance your text Touch and hold time Pop-up on keypress, Auto-capitalization, Auto-punctuation, and

Help Displays information regarding text input.

Google voice typing Allows you to change the settings for voice input.

typing and set additional languages Languages Allows you to set the default language for Google voice

saying "OK Google". You can also personalize the Google voice model. "Ok Google" detection Allows you to start the Google voice search by

requests when the device is locked Hands-free Allows you to set which connected devices will allow voice

Speech output Allows you to set when to use speech output.

languages Offline speech recognition Allows you to manage downloaded

Block offensive words Enable this setting to hide recognized offensive

connected Bluetooth headset. Bluetooth headset Enable this setting to record audio through a

SPEECH

default language status. speech rate, and pitch change. You can listen to an example and view the Text-to-speech output Allows you to set the preferred speech engine,

MOUSE/TRACKPAD

Pointer speed Allows you to set the pointer speed on a slide bar.

use the primary button on the right. Reverse buttons Enable this option to reverse the mouse buttons to

Backup & reset

LG MOBILE SWITCH & BACKUP

new device. You can transfer data using a USB cable, wireless network, and LG Mobile Switch Allows you to copy data from a previous device to a

- NOTES Data in a Google account will not be backed up. When you synchronize your app data and apps downloaded from the Play Store are stored on the Drive app automatically. Google account, Google apps, Google contacts, Google calendar, Google memo
- Fully charge the battery before transferring data to avoid unintentional powering off during the process

card. You can also restore your data from a previous backup Backup & restore Allows you to back up your data to internal storage or SD

WARNING! Resetting your device may delete backup files saved in storage. Make sure to copy and store the important backup files to your PC

GOOGLE BACKUP

Google servers. Back up my data Enable this option to automatically backup your data to

also add new accounts Backup account Allows you to identify which account(s) to backup. You can

to its previous state when you reinstall an app. Automatic restore Enable this option to automatically restore your device

RESET

Network settings reset Allows you to reset all of the network settings

the phone the warning, then tap RESET PHONE. Tap Delete all to confirm and reset Factory data reset Allows you to erase all of the data on the phone. Read

Reset settings Allows you to restore the default system settings

Google services

Allows you to manage your Google apps and account settings

System

settings The System category allows you to view and manage various system

Shortcut keys

locked. Tap the switch at the top of its screen to toggle it On or Off. On enables the Volume buttons to directly launch apps when the screen is turned off or

- Press the Volume Up button twice to open the Capture+ app
- Press the Volume Down button twice to launch the Camera app

Date & time

BASIC

a date/time other than the one provided by the network. Enable the Auto-date & time option or tap Set date and/or Set time to use

zone other than the one provided by the network. Enable the Auto-time zone option or tap Select time zone to use a time

TIME FORMAT

24-hour format (e.g., 13:00 instead of 1:00 PM). Use 24-hour format Enable this option to display the time using the

Accessibility

TYPE

Vision Sets options for people with impaired sight.

the TalkBack settings fingers to swipe across the screen. Tap TalkBack to access and adjust screen. To select an item, tap it, then double-tap it. To scroll, use three TalkBack Enable this option to hear verbal feedback when you tap the

Calls, Messages, Read messages, and Message/call voice Message/call voice notifications to modify your notification settings for to automatically read your incoming calls and/or messages outloud. Tap Message/call voice notifications Enable this option to set your phone notifications language

Font size Allows you to set the size of the screen text

Bold text Enable this option to bold the text on the screen

icons, text, etc.). Changing the size may affect item positioning on the Display size Allows you to set the size for displayed screen items (e.g.,

zoom in and out. Touch zoom Enable this option to allow you to triple-tap the screen to

inversion. Tap Window zoom to view information and adjust its settings you can zoom in or out within the window and set the window's color two fingers to drag it to other positions on the screen. When activated Window zoom Enable this option to activate a magnifying window. Use

mouse pointer. Large mouse pointer Enable this option to increase the size of the

to black for a high contrast screen. High contrast screen Enable this option to change the background color

higher contrast. Screen color inversion Enable this option to invert the screen colors for

screen's hue and contrast. Tap Screen color adjustment to adjust it. Screen color adjustment Enable this option to allow you to adjust the

Grayscale Enable this option to switch the screen to grayscale mode

the Power/Lock button to end a call. End call with the Power key Enable this option to allow you to press

Hearing Sets options for people with impaired hearing

Captions Enable this option to allow your phone to display caption text. Tap Captions to access and adjust its settings

notify you of incoming calls, messages, and alarms Flash alerts Enable this option to enable the camera's flash to blink to

lower the volume from the earpiece all sounds Enable this option to silence all phone sounds and

Audio channel Allows you to set the audio type.

between the left and right channel. Sound balance Move the slider on the bar to set the sound balance

skills. Dexterity and interaction Sets options for people with impaired motor

DEXTERITY

easier to use Touch assistant Turn on the touch board to make buttons and gestures

by simply touching the screen. Touch input Enter text by touching and holding the screen or modify it

an item before the device reacts Touch and hold delay Allows you to set how long you need to touch

Ignore repeated taps Allows you to set how the device interprets your tap action.

Physical keyboard Allows you to customize specified key settings

be repeated and the key repeat interval. key is held. Tap Key repeat to set the delay before the key entry will Key repeat Enable this option to set how the device reacts when a

without having to press and hold Sticky keys Enable this option to allow you to press modifier keys

a shortcut to Sticky keys Sticky keys shortcut Enable this option to enable the Shift button as

displayed. Slow keys Enable this option to set a delay time before input is

where the pointer stops. Tap Auto mouse click to set its delay time Auto mouse click Enable this option to automatically activate the cursor

swiping) hold the Answer or Ignore icon on the Incoming call screen (instead of Touch and hold for calls Enable this option to allow you to touch and

backlight turns off automatically. Screen timeout Allows you to set the amount of time before the

INTERACTION

a specified portion of the screen. Touch control areas Enable this option to allow you to restrict access to

GENERAL

features shortcut to select the desired features. access to selected features when you triple-tap O Home. Tap Accessibility Accessibility features shortcut Enable this option to allow quick, easy

based on the phone's orientation. Auto-rotate screen Enable this option to automatically rotate the screen

SERVICES

Select to Speak Allows you to tap items to hear spoken feedback

tap **SETTINGS** to set it up. OFF. On allows you to use the switch for selected features. Tap **OK**, then Switch Access Tap the switch at the top of its screen to toggle it ON or

your device provides access to read the elements present on the screen. My Verizon Guided Navigation When Assistive touch service is active, This is used by the My Verizon app to provide assistive tutorials to navigate

About phone

Status, Battery, Hardware info, Software info, and Legal info View information about your phone including Phone name, Network,

System updates

for your phone. Check for new system update Allows you to check for any available updates

Show system update history Allows you to view your system update history.

use system updates Use Software Upgrade Assistant Displays information regarding how to

SYSTEM UPDATE STATUS Displays your last update information.

Phone Software Update

LG Mobile phone software update from the Internet

http://www.lg.com/common/index.jsp, select your country and language. For more information about using this function, please visit

firmware version available for your device. centre. This feature will only be available if and when LG makes a newer to a newer version from the Internet without needing to visit a service This feature allows you to conveniently update the firmware on your phone

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

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

Anti-Theft Guide

device is lost, stolen, or wiped, only someone with your Google account or screen lock information can use the device. reset to factory settings without your permission. For example, if your You can set up your device to prevent other people from using it if it's been

All you need to make sure your device is protected is:

- Set a screen lock: If your device is lost or stolen but you have a screen screen is unlocked. lock set, the device can't be erased using the Settings menu unless your
- Add your Google account on your device: If your device is wiped but process until your Google account information is entered again. you have your Google account on it, the device can't finish the setup

ensures that you or someone you trust is doing the reset. enter your Google account password if you need to do a factory reset. This After your device is protected, you'll need to either unlock your screen or

NOTE

to performing a factory reset. If you can't provide the account information during the setup process, you won't be able to use the device at all after performing the factory Do not forget the Google account and password you had added to your device prior

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visit http://opensource.lge.com. licenses, that is contained in this product, please To obtain the source code under GPL, LGPL, MPL, and other open source

disclaimers and copyright notices are available for download. In addition to the source code, all referred license terms, warranty

of media, shipping, and handling) upon email request to opensource@lge. charge covering the cost of performing such distribution (such as the cost GElectronics will also provide open source code to you on CD-ROM for a

product. This offer is valid to anyone in receipt of this information. This offer is valid for a period of three years after our last shipment of this

Trademarks

- Google is a trademark of Google Inc
- Bluetooth® is a registered trademark of Bluetooth SIG, Inc. worldwide
- Wi-Fi® and the Wi-Fi logo are registered trademarks of the Wi-Fi Alliance

More Information

Guide to data movement

device and a third party device, see the following table. For the data that can be exchange between LG devices or between the LG

Others		Apps		Screen settings		Media data	Personal data		Division	
Settings (Wi-Fi, Bluetooth, Calls, sound & notification, accessibility, battery)	Public certificate	Personal data of the downloaded app	Downloaded apps	Lock screen settings (screenlock settings excluded)	Home screen settings (folders and widgets)	Photos, videos, songs, documents	Alarms	Memos	Contacts, messages, dial logs, calendar, voice recordings	ltem details
Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	LG device →→ LG device
Not Supported	Supported	Not Supported	Supported	Not Supported	Not Supported	Supported	Not Supported	Not Supported	Supported	Third party Android device LG device
Not Supported	Not Supported	ı		Not Supported	Not Supported	Supported	Not Supported	Supported	Supported	iOS device → LG device

NOTE

operating system, manufacturer or service provider's policy. Some data may not be transmitted depending on the software version, app version,

Safety Information

Important Information

approved by the manufacturer could void the user's authority to operate the warranty for this equipment. Any changes or modifications not expressly modifications not expressly approved in this user guide could void your and to prevent any damage to or misuse of the device. Any changes or this device. Please read all the information carefully for optimal performance equipment. This user guide contains important information on the use and operation of

Before You Start

Call (800) 243-0000 for more information. California to cause cancer and birth defects or reproductive harm. WARNING! This product contains chemicals known to the State of Wash hands after handling.

HAC Statement

wireless technologies used in this device that have not been tested yet for your service provider or the manufacturer of this device for information on cochlear implant, to determine if you hear any interfering noise. Consult device thoroughly and in different locations, using your hearing aid or use with hearing aids. It is important to try the different features of this the wireless technologies that it uses. However, there may be some newer policies, consult your service provider or device retailer. hearing aid compatibility. If you have questions about return or exchange This device has been tested and rated for use with hearing aids for some of

reduce interference with some hearing aid models This mobile phone has a Hearing Aid Mode that, when activated, may

FCC RF Exposure Information

WARNING! Read this information before operating the device

updated safety standard for human exposure to Radio Frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those United States, with its action in Report and Order FCC 96-326, adopted an In August 1996, the Federal Communications Commission (FCC) of the

with the FCC guidelines and these international standards guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this device complies

Body-worn Operation

device and have not been tested for compliance with FCC RF exposure inches (1.0 cm) distance between the user's body and the back of the may not be used. Avoid the use of accessories that cannot maintain 0.39 requirements, a minimum separation distance of 0.39 inches (1.0 cm) must inches (1.0 cm) from the body. To comply with FCC RF exposure belt-clips, holsters, and similar accessories containing metallic components be maintained between the user's body and the back of the device. Any This device was tested for typical use with the back of the device kept 0.39

Emissions Consumer Information about Radio Frequency

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

Are wireless devices safe?

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

6332 or (888) INFO-FDA. Phones > Research). You can also contact the FDA toll-free at (888) 463website at http://www.fda.gov (under "c" in the subject index, select Cell

or memory loss." This publication is available at http://www.fcc.gov/cgb, lead to cancer or a variety of other problems, including headaches, dizziness development agreement through which additional scientific research is cellular.html or through the FCC at (888) 225-5322 or (888) CALL-FCC "there is no scientific evidence that proves that wireless device usage can being conducted. The FCC issued its own website publication stating that In June 2000, the FDA entered into a cooperative research and

What does "SAR" mean?

averaged over one gram of tissue the SAR of handheld wireless devices not exceed 1.6 watts per kilogram, for SAR are conducted with the device transmitting at its highest power SAR is a measure of the rate of absorption of RF energy in the body. Tests certified to the FCC that it does not exceed limits established by the FCC available for sale to the public, it must be tested by the manufacturer and wireless devices in the United States. Before a wireless device model is level in all tested frequency bands. Since 1996, the FCC has required that One of these limits is expressed as a Specific Absorption Rate, or "SAR." Agency, and other agencies, established RF exposure safety guidelines for In 1996, the FCC, working with the FDA, the U.S. Environmental Protection

device to the body while in use, and the use of hands-free devices depending on factors such as proximity to a cell site, the proximity of the SAR value. This is because the SAR value may vary from call to call, value of a wireless device while operating can be less than the reported Although the SAR is determined at the highest power level, the actual SAR

gov/consumers/guides/specific-absorption-ratesar-cell-phones-what-itmeans-you. You may also wish to contact the manufacturer of your device For more information about SARs, visit the FCC website at https://www.fcc

Can I minimize my RF exposure?

to minimize your RF exposure. You can, of course, reduce your talk time If you are concerned about RF, there are several simple steps you can take

antenna on the outside of the vehicle. You should also read and follow your wireless device manufacturer's instructions for the safe operation of your of whether they are used against the head or against the body. Either emissions, will not be placed against the head. On the other hand, if the energy in the head because the device, which is the source of the RF website states that "hands-free kits can be used with wireless devices for as the exposure level drops off dramatically with distance. The FDA/FCC use your wireless device while in a car, you can use a device with an configuration should result in compliance with the safety limit." Also, if you marketed in the U.S. are required to meet safety requirements regardless then that part of the body will absorb more RF energy. Wireless devices device is mounted against the waist or other part of the body during use, convenience and comfort. These systems reduce the absorption of RF You can place more distance between your body and the source of the RF,

Do wireless devices pose any special risks to children?

and RF are available online at http://www.hpa.org.uk/radiation/ (search choose to restrict their children's wireless device use hazard exists. A copy of the UK's leaflet is available at http://www.dh.gov.uk precautionary; it was not based on scientific evidence that any health recommendation to limit cell phone use by children was strictly using a cell phone causes brain tumors or other ill effects. [The UK's] report a group of independent experts noted that no evidence exists that Kingdom ["UK"] made such a recommendation in December 2000. In this wireless devices at all." For example, the Stewart Report from the United national governments have advised that children be discouraged from using FDA/FCC website further states that "some groups sponsored by other danger to users of wireless communication devices, including children." The "mobile"). Parents who wish to reduce their children's RF exposure may ORQ, United Kingdom. Copies of the UK's annual reports on mobile phones (search "mobile"), or you can write to: NRPB, Chilton, Didcot, Oxon OX11 The FDA/FCC website states that "the scientific evidence does not show a

Where can I get further information about RF emissions?

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

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

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

283 Sparks Street Ottawa, Ontario K1R 7X9 Canada

Telephone: (613) 991-6990

http://www.rsc.ca/index.php?page=Expert_Panels_RF&Lang_id=120

World Health Organization

Avenue Appia 20 1211 Geneva 27 Switzerland

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

International Commission on Non-Ionizing Radiation Protection

c/o Bundesamt fur Strahlenschutz Ingolstaedter Landstr. 1

85764 Oberschleissheim Germany

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

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

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

Consumer Information on SAR

(Specific Absorption Rate)

age and health. safety margin designed to assure the safety of all persons, regardless of thorough evaluation of scientific studies. The standards include a substantial developed by independent scientific organizations through periodic and the general population. The guidelines are based on standards that were comprehensive guidelines and establish permitted levels of RF energy for to Radio Frequency (RF) energy set by the Federal Communications designed and manufactured not to exceed the emission limits for exposure Commission of the U.S. Government. These limits are part of radio waves. Your wireless device is a radio transmitter and receiver. It is This model device meets the government's requirements for exposure to

highest certified power level in all tested frequency bands. Although SAR is operating positions specified by the FCC with the device transmitting at its limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard measurement known as the Specific Absorption Rate, or SAR. The SAR The exposure standard for wireless mobile phones employs a unit of

by the FCC for each model. adopted requirement for safe exposure. The tests are performed in the FCC that it does not exceed the limit established by the governmentmodel is available for sale to the public, it must be tested and certified to wireless base station antenna, the lower the power output. Before a device power required to reach the network, in general, the closer you are to a device is designed to operate at multiple power levels to use only the device while operating can be well below the maximum value. Because the determined at the highest certified power level, the actual SAR level of the positions and locations (e.g., at the ear and worn on the body) as required

The highest SAR values are:

- Head: 1.15 W/kg
- Body (Body-worn/Hotspot): 0.90 W/kg

available accessories and FCC requirements). (Body measurements differ among device models, depending upon

exposure at various positions, they all meet the government requirement for safe While there may be differences between SAR levels of various devices and

fcc.gov/oet/fccid after searching on FCC ID ZNFX210VPP. emission guidelines. SAR information on this model device is on file with all reported SAR levels evaluated as in compliance with the FCC RF the FCC and can be found under the Display Grant section of http://www The FCC has granted an Equipment Authorization for this model device with

the Cellular Telecommunications Industry Association (CTIA) website http://www.ctia.org/. Additional information on Specific Absorption Rates (SAR) can be found on

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

for Wireless Devices FCC Hearing-Aid Compatibility (HAC) Regulations

services for persons with hearing disabilities. of the HAC Act is to ensure reasonable access to telecommunications require digital wireless devices be compatible with hearing-aids. The intent devices under the Hearing Aid Compatibility Act of 1988 (HAC Act) to Report and Order in WT Docket 01-309 modified the exception of wireless On July 10, 2003, the U.S. Federal Communications Commission (FCC)

whining noise. Some hearing devices are more immune than others to this aids and cochlear implants), users may detect a buzzing, humming, or interference noise, and devices also vary in the amount of interference they While some wireless devices are used near some hearing devices (hearing

compatible with their hearing devices. Not all devices have been rated devices, to assist hearing device users to find devices that may be Devices that are rated have the rating on their box or a label located on the The wireless telephone industry has developed a rating system for wireless

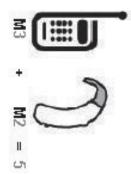
vulnerable to interference, you may not be able to use a rated device to evaluate it for your personal needs. successfully. Trying out the device with your hearing device is the best way hearing device and hearing loss. If your hearing device happens to be The ratings are not guaranteed. Results will vary depending on the user's

labeled. M4 is the better/higher of the two ratings. to generate less interference to hearing devices than devices that are not M-Ratings: Devices rated M3 or M4 meet FCC requirements and are likely

generate less interference to hearing devices than devices that are not labeled. T4 is the better/ higher of the two ratings T-Ratings: Devices rated T3 or T4 meet FCC requirements and are likely to

hearing aid and wireless device rating values are then added together. mean that the hearing device is relatively immune to interference noise. The hearing health professional may help you find this rating. Higher ratings Hearing devices may also be rated. Your hearing device manufacturer or

considered for best use sum of 5 is considered acceptable for normal use. A sum of 6 is



in this context is defined as a signal quality that's acceptable for normal using their hearing aid with the particular wireless device. "Normal usage" wireless device meets the M3 level rating, the sum of the two values equal operation. M5. This should provide the hearing aid user with "normal usage" while In the above example, if a hearing aid meets the M2 level rating and the

intended to be synonymous with the UT mark. The M and T marks are American National Standards Institute (ANSI) C63.19 standard. (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC recommended by the Alliance for Telecommunications Industries Solutions The M mark is intended to be synonymous with the U mark. The T mark is Rules. The HAC rating and measurement procedure are described in the

components must be disabled during a call. maintained, secondary transmitters such as Bluetooth® and WLAN To ensure that the Hearing Aid Compatibility rating for your device is

For information about hearing aids and digital wireless devices:

Wireless Devices and Hearing Aid Accessibility

http://www.accesswireless.org/

Gallaudet University, RERC

http://tap.gallaudet.edu/Voice/

FCC Hearing Aid Compatibility and Volume Control

https://www.fcc.gov/general/hearing-aid-compatibility-and-volume-control

The Hearing Aid Compatibility FCC Order

http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-03-168A1.pdf

Hearing Loss Association of America [HLAA]

http://hearingloss.org/content/telephones-and-mobile-devices

Caution! Avoid Potential Hearing Loss

potential hearing problems varies. tinnitus (a ringing in the ear), hypersensitivity to sound and distorted (including headsets, earbuds and Bluetooth or other wireless devices). telephones, at high volume settings for long durations may lead to using portable audio devices, such as portable music players and cellular cause of preventable hearing loss. Some scientific research suggests that hearing. Individual susceptibility to noise-induced hearing loss and other Exposure to very loud sound has also been associated in some studies with permanent noise-induced hearing loss. This includes the use of headphones Prolonged exposure to loud sounds (including music) is the most common

when using any portable audio device: headphones. You should follow some common sense recommendations on the nature of the sound, the device, the device settings and the The amount of sound produced by a portable audio device varies depending

- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- what you are listening to. people speaking near you or if the person sitting next to you can hear When using headphones, turn the volume down if you cannot hear the
- Do not turn the volume up to block out noisy surroundings. If you choose cancelling headphones to block out background environmental noise to listen to your portable device in a noisy environment, use noise
- required before your hearing could be affected Limit the amount of time you listen. As the volume increases, less time is

- hearing loss might cause unsafe volumes to sound normal rock concerts, that might cause temporary hearing loss. Temporary Avoid using headphones after exposure to extremely loud noises, such as
- ringing in your ears, hear muffled speech or experience any temporary Do not listen at any volume that causes you discomfort. If you experience use and consult your doctor. hearing difficulty after listening to your portable audio device, discontinue

TIA Safety Information

devices The following is the complete TIA Safety Information for wireless handheld

Exposure to Radio Frequency Signal

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

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

ANSI C95.1 (1992) *

NCRP Report 86 (1986)

ICNIRP (1996)

American National Standards Institute; National Council on Radiation Protection and Measurements; International Commission on Nonlonizing Radiation Protection.

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

Electronic Devices

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

Pacemakers

research by and recommendations of Wireless Technology Research. wireless device and a pacemaker to avoid potential interference with the minimum separation of six (6) inches be maintained between a handheld pacemaker. These recommendations are consistent with the independent The Health Industry Manufacturers Association recommends that a

Persons with pacemakers:

- Should ALWAYS keep the device more than six (6) inches from their pacemaker when the device is turned ON;
- Should not carry the device in a breast pocket;
- interference; Should use the ear opposite the pacemaker to minimize the potential for
- that interference is taking place Should turn the device OFF immediately if there is any reason to suspect

Hearing Aids

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

Other Medical Devices

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

Health Care Facilities

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

Vehicles

manufacturer of any equipment that has been added to your vehicle representative regarding your vehicle. You should also consult the electronic systems in motor vehicles. Check with the manufacturer or its RF signals may affect improperly installed or inadequately shielded

Posted Facilities

Turn your device OFF in any facility where posted notices so require

Aircraft

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

Blasting Areas

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

Potentially Explosive Atmosphere

where the air contains chemicals or particles (such as grain, dust, or metal stations); below deck on boats; fuel or chemical transfer or storage facilities; with a potentially explosive atmosphere are often, but not always marked atmosphere and obey all signs and instructions. Sparks in such areas could off your vehicle engine powders); and any other area where you would normally be advised to turn vehicles using liquefied petroleum gas (such as propane or butane); areas clearly. Potential areas may include: fueling areas (such as gasoline cause an explosion or fire resulting in bodily injury or even death. Areas Turn your device OFF when in any area with a potentially explosive

For Vehicles Equipped with an Air Bag

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

Part 15.19 Statement

the following two conditions: This device complies with part 15 of the FCC rules. Operation is subject to

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Part 15.21 Statement

equipment. manufacturer for compliance could void the user's authority to operate the Changes or modifications that are not expressly approved by the

Part 15.105 Statement

interference by one or more of the following measures equipment off and on, the user is encouraged to try to correct the particular installation. If this equipment does cause harmful interference to instructions, may cause harmful interference to radio communications designed to provide reasonable protection against harmful interference in a class B digital device, pursuant to Part 15 of the FCC rules. These limits are radio or television reception, which can be determined by turning the However, there is no guarantee that interference will not occur in a radio frequency energy and, if not installed and used in accordance with the residential installation. This equipment generates, uses, and can radiate This equipment has been tested and found to comply with the limits for a

Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver
- which the receiver is connected Connect the equipment into an outlet on a circuit different from that to
- Consult the dealer or an experienced radio/TV technician for help

Safety Information

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

Caution

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

- Do not disassemble or open crush, bend or deform, puncture or shred
- Do not modify or remanufacture, attempt to insert foreign objects into the explosion or other hazard. battery, immerse or expose to water or other liquids, expose to fire
- Only use the battery for the system for which it is specified
- the system per CTIA Certification Requirements for Battery System Only use the battery with a charging system that has been qualified with present a risk of fire, explosion, leakage, or other hazard Compliance to IEEE1725. Use of an unqualified battery or charger may
- Do not short circuit a battery or allow metallic conductive objects to contact battery terminals
- user replaceable). authorized service providers shall replace battery (if the battery is nonbattery may present a risk of fire, explosion, leakage or other hazard. Only the system per this standard, IEEE-Std-1725. Use of an unqualified Replace the battery only with another battery that has been qualified with
- Promptly dispose of used batteries in accordance with local regulations
- Battery usage by children should be supervised.

- especially on a hard surface, and the user suspects damage, take it to a service center for inspection. Avoid dropping the phone or battery. If the phone or battery is dropped,
- Improper battery use may result in a fire, explosion or other hazard

Charger and Adapter Safety

- The charger and adapter are intended for indoor use only
- Insert the battery charger vertically into the wall power socket.
- serious damage to your device Only use the LG-approved battery charger. Otherwise, you may cause
- abroad Use the correct adapter for your device when using the battery charger

Battery Information and Care

- Always unplug the charger from the wall socket after the device is fully charged to save unnecessary power consumption of the charger
- charging method Please read the manual of the specified charger for information about its
- use the plug if it is loose as it may cause electric shock or fire Do not damage the power cord by bending, twisting, or heating. Do not
- cord to be crimped as it may cause electric shock or fire. Do not place any heavy items on the power cord. Do not allow the power
- plug pin when it's dirty. When using the power plug, ensure that it's firmly Unplug the power cord prior to cleaning your device, and clean the power short-circuit the device. Always cover the receptacle when not in use (power plug pin), metallic articles (such as a coin, paperclip or pen) may device in a pocket or bag without covering the receptacle of the device connected. If not, it may cause excessive heat or fire. If you put your
- life. Battery life will vary due to usage pattern and environmental Recharge the device after long periods of non-use to maximize battery

- incompatible charger, may cause damage to your device and void the device. Improper handling of the charging port, as well as the use of an warranty. Please use only an approved charging accessory to charge your LG
- generated or serious damage to the battery. It might also cause the The charging temperature range is between 0 °C/32 °F and 35 °C/95 °F. deterioration of the battery's characteristics and cycle life Charging out of the recommended range might cause heat to be Do not charge the battery out of the recommended temperature range
- also might cause deterioration of device's characteristics or cycle life. sunshine. The device may generate excessive heat, smoke, or flame. It Do not use or leave the device in direct sunlight or in a car heated by
- If the skin or cloth is smeared with liquid from the battery, wash with fresh water. It may cause skin inflammation.
- Please take your device to an authorized service center immediately if this
- Do not handle the device with wet hands while it is being charged. It may cause an electric shock or seriously damage your device
- moisture. This can cause fire, electric shock, injury or damage to the Do not charge while the device or charging cable is wet or contains
- circuit the device and/or cause electric shock or fire. Do not place or answer calls while charging the device as it may short-
- due to heat generated during use Talking on your device for a long period of time may reduce call quality

Explosion, Shock, and Fire Hazards

- Do not put your device in a place subject to excessive dust and keep the minimum required distance between the power cord and heat sources
- plug pin when it's dirty Unplug the power cord prior to cleaning your device, and clean the power

- When using the power plug, ensure that it's firmly connected. If not, it may cause excessive heat or fire
- or pen) may short-circuit the device and may cause an explosion. Always of the device (power plug pin), metallic articles (such as a coin, paperclip If you put your device in a pocket or bag without covering the receptacle cover the receptacle when not in use
- moisture. This can cause fire, electric shock, injury or damage to the Do not charge while the device or charging cable is wet or contains

General Notice

- magnetism of the device may damage the data stored in the magnetic card, phone card, bank book, or subway ticket, near your device. The Do not place items containing magnetic components, such as a credit
- due to heat generated during use Talking on your device for a long period of time may reduce call quality
- with the power cord unplugged. When the device is not used for a long period time, store it in a safe place
- may cause interference to the device. Using the device in proximity to receiving equipment (i.e., TV or radio)
- Immediately, take it to an LG Authorized Service Center Do not immerse your device in water, liquid, or expose to high humidity
- Do not paint your device
- important phone numbers. (Ringtones, text messages, voice messages, for damage due to the loss of data. pictures, and videos could also be deleted.) The manufacturer is not liable repair of the device, or upgrade of the software. The data saved in your device might be deleted due to careless use Please backup your
- When you use the device in public places, set the ringtone to vibration so you don't disturb others

- Do not turn your device 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.

FDA Consumer Update



1. Do wireless devices pose a health hazard?

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

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

industry to take a number of steps, including the following: justify FDA regulatory actions, the FDA has urged the wireless device that the hazard no longer exists. Although the existing scientific data do not case, the FDA could require the manufacturers of wireless devices to notify authority to take action if wireless devices are shown to emit Radio does with new drugs or medical devices. However, the agency has consumer products such as wireless devices before they can be sold, users of the health hazard and to repair, replace, or recall the devices so Frequency (RF) energy at a level that is hazardous to the user. In such a Under the law, the FDA does not review the safety of radiation-emitting as

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

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

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

group activities, as well. The National Institutes of Health participates in some interagency working

questions about wireless devices. exposure. The FCC relies on the FDA and other health agencies for safety United States must comply with FCC safety guidelines that limit RF Federal Communications Commission (FCC). All devices that are sold in the The FDA shares regulatory responsibilities for wireless devices with the

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

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

built-in antennas, often called "cell," "mobile," or "PCS" devices. These The term "wireless device" refers here to handheld wireless devices with

and the user's head Frequency (RF) energy because of the short distance between the device types of wireless devices can expose the user to measurable

produce RF exposures far below the FCC safety limits. wiring in a house, typically operate at far lower power levels, and thus decreases rapidly with increasing distance from the source. The so-called the exposure to RF is drastically lower because a person's RF exposure agencies. When the device is located at greater distances from the user, developed with the advice of the FDA and other federal health and safety "cordless devices," which have a base unit connected to the telephone These RF exposures are limited by FCC safety guidelines that were

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

questions about long-term exposures, since the average period of device wireless device RF exposures. However, none of the studies can answer the studies demonstrated the existence of any harmful health effects from and primary brain cancer, glioma, meningioma, or acoustic neuroma, investigated any possible association between the use of wireless devices been published since December 2000. Between them, the studies such studies mean for human health. Three large epidemiology studies have wireless devices, so we do not know with certainty what the results of conditions are not similar to the conditions under which people use studies exposed the animals to RF for up to 22 hours per day. These pre-disposed to develop cancer in the absence of RF exposure. Other genetically engineered or treated with cancer-causing chemicals so as that showed increased tumor development used animals that had been development of cancer in laboratory animals. However, many of the studies that often cannot be repeated in other laboratories. A few animal studies, studies have suffered from flaws in their research methods. Animal use in these studies was around three years tumors of the brain or salivary gland, leukemia, or other cancers. None of however, have suggested that low levels of RF could accelerate the exposures characteristic of wireless devices have yielded conflicting results experiments investigating the effects of Radio Frequency (RF) energy The research done thus far has produced conflicting results, and many ð be

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

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

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

studies are conducted to address important questions about the effects of groups of investigators around the world to ensure that high priority animal exposure to Radio Frequency (RF) energy. The FDA is working with the U.S. National Toxicology Program and with

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

academic organizations. CTIA-funded research is conducted through oversight, obtaining input from experts in government, industry, and to do research on wireless device safety. The FDA provides the scientific have a formal Cooperative Research And Development Agreement (CRADA) The FDA and the Cellular Telecommunications & Internet Association (CTIA)

context of the latest research developments around the world. will also include a broad assessment of additional research needs in the both laboratory studies and studies of wireless device users. The CRADA contracts with independent investigators. The initial research will include

7. How can I find out how much Radio Frequency energy exposure I can get by using my wireless device?

rfsafety) gives directions for locating the FCC identification number on your each model of device to the FCC. The FCC website (http://www.fcc.gov/oet/ the wireless device and is set well below levels known to have effects. the body's ability to remove heat from the tissues that absorb energy from and Electronic Engineering (IEEE) and the National Council on Radiation device so you can find your device's RF exposure level in the online listing Manufacturers of wireless devices must report the RF exposure level for Protection and Measurement. The exposure limit takes into consideration consistent with the safety standards developed by the Institute of Electrica Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consultation with the FDA and the other federal health and safety agencies. (RF) energy exposures. The FCC established these guidelines in All devices sold in the United States must comply with Federa The FCC limit for RF exposure from wireless devices is set at a Specific Communications Commission (FCC) guidelines that limit Radio Frequency

What has the FDA done to measure the Radio Frequency energy coming from wireless devices?

tissue-simulating model of the human head deposited in the heads of wireless device users. The test method uses consistent test methodology for measuring the rate at which RF is and leadership of FDA scientists and engineers. The standard, from wireless devices and other wireless handsets with the participation technical standard for measuring the Radio Frequency (RF) energy exposure Communications Devices: Experimental Techniques," sets forth the Absorption Rate (SAR) in the Human Body Due to Wireless "Recommended Practice for Determining the Spatial-Peak Specific The Institute of Electrical and Electronic Engineers (IEEE) is developing

determine whether a wireless device complies with safety guidelines in watts/kg (or milliwatts/g) of matter. This measurement is used to tissue, either by the whole body or a small part of the body. It is measured device. SAR is the measurement of the amount of energy absorbed in consistency of measurements made at different laboratories on the same Standardized SAR test methodology is expected to greatly improve the

9. What steps can I take to reduce my exposure to Radio Frequency energy from my wireless device?

wireless device use does not demonstrate that wireless devices are harmful. But if you are wireless device connected to a remote antenna. Again, the scientific data headset and carry the wireless device away from your body or use a distance between your body and the source of the RF, since the exposure extended conversations by wireless device every day, you could place more using a wireless device will reduce RF exposure. If you must conduct how much exposure a person receives, reducing the amount of time spent your exposure to Radio Frequency (RF) energy. Since time is a key factor in avoiding even potential risks, you can take a few simple steps to minimize that there is — it is probably very small. But if you are concerned about If there is a risk from these products — and at this point we do not know measures like those described above to reduce your RF exposure from concerned about the RF exposure from these products, you can use level drops off dramatically with distance. For example, you could use

10. What about children using wireless devices?

other national governments have advised that children be discouraged from and the RF source will reduce RF exposure. Some groups sponsored by time of wireless device use and increasing the distance between the user would apply to children and teenagers using wireless devices. Reducing the exposure to Radio Frequency (RF) energy, the measures described above Kingdom distributed leaflets containing such a recommendation in using wireless devices at all. For example, the government in the United devices, including children and teenagers. If you want to take steps to lower The scientific evidence does not show a danger to users of wireless December 2000

scientific evidence that any health hazard exists. device use by children was strictly precautionary; it was not based on brain tumors or other ill effects. Their recommendation to limit wireless They noted that no evidence exists that using a wireless device causes

11. What about wireless device interference with medical equipment?

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

approved by the IEEE in 2000. device and a "compatible" hearing aid at the same time. This standard was devices so that no interference occurs when a person uses a "compatible" of Electrical and Electronic Engineers (IEEE). This standard specifies test devices and helped develop a voluntary standard sponsored by the Institute methods and performance requirements for hearing aids and wireless The FDA has tested hearing aids for interference from handheld wireless

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

12. Where can I find additional information?

For additional information, please refer to the following resources:

FDA web page on wireless devices

default.htm tingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/ http://www.fda.gov/Radiation-EmittingProducts/RadiationEmit

http://www.fcc.gov/oet/rfsafety Federal Communications Commission (FCC) RF Safety Program

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

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

- 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.

10 Driver Safety Tips

the benefits of wireless devices, one that every user must uphold. voice almost anywhere, anytime. An important responsibility accompanies Your wireless device gives you the powerful ability to communicate by

wireless device behind the wheel of a car, practice good common sense and remember the following tips: When operating a car, driving is your first responsibility. When using your

- Get to know your wireless device and its features, such as speed dial advantage of valuable features most devices offer, including automatic and redial. Carefully read your instruction manual and learn to take can use the speed dial function without taking your attention off the redial and memory. Also, work to memorize the device keypad so you
- 2. When available, use a hands-free device. A number of hands-free wireless device accessories are readily available today. Whether you phone accessory, take advantage of these devices if available to you choose an installed mounted device for your wireless device or a speaker
- 3. Make sure you place your wireless device within easy reach and where answer it for you. incoming call at an inconvenient time, if possible, let your voicemail you can reach it without removing your eyes from the road. If you get an
- 4. Suspend conversations during hazardous driving conditions or situations suspend the call in heavy traffic or hazardous weather conditions. Rain, your first responsibility is to pay attention to the road sleet, snow, and ice can be hazardous, but so is heavy traffic. As a driver, Let the person you are speaking with know you are driving; if necessary,
- 5. Don't take notes or look up phone numbers while driving. If you are driving a car, you are not watching where you are going. It is common reading an address book or business card, or writing a "to-do" list while reading or writing and not paying attention to the road or nearby vehicles sense. Do not get caught in a dangerous situation because you are
- <u>ი</u> Dial sensibly and assess the traffic; if possible, place calls when you are begin your trip or attempt to coincide your calls with times you may be not moving or before pulling into traffic. Try to plan your calls before you

to dial while driving, follow this simple tip – dial only a few numbers, stopped at a stop sign, red light, or otherwise stationary. But if you need check the road and your mirrors, then continue.

- .\ of a car. Make people you are talking with aware you are driving and if they are distracting and even dangerous when you are behind the wheel Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix; attention from the road. necessary, suspend conversations which have the potential to divert your
- ∞ Use your wireless device to call for help. Your wireless device is one of numbers away. Dial 911 or another local emergency number in the case the greatest tools you can own to protect yourself and your family in of fire, traffic accident, road hazard, or medical emergency. Remember, dangerous situations – with your device at your side, help is only three it's a free call on your wireless device!
- 9 Use your wireless device to help others in emergencies. Your wireless device provides you a perfect opportunity to be a "Good Samaritan" in emergency number, as you would want others to do for you. serious emergency where lives are in danger, call 911 or another local your community. If you see an auto accident, crime in progress or other
- 10. Call roadside assistance or a special wireless non-emergency assistance injured or a vehicle you know to be stolen, call roadside assistance or broken traffic signal, a minor traffic accident where no one appears number when necessary. Certain situations you encounter while driving other special non-emergency wireless number. hand. If you see a broken-down vehicle posing no serious hazard, a emergency services. But you can still use your wireless device to lend a may require attention, but are not urgent enough to merit a call for

use. Such laws or other regulations may prohibit or otherwise restrict the your applicable jurisdiction's local laws or other regulations regarding such mobile device while operating a vehicle, it is recommended that you consult manner in which a driver may use his or her device while operating a The above tips are meant as general guidelines. Before deciding to use your

Warranty

service. If for any reason you have a problem with your equipment, please refer to the manufacturer's warranty in this section Your device has been designed to provide you with reliable, worry-free

Limited Warranty Statement

"PROCEDURE FOR RESOLVING DISPUTES" BELOW JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED YOU CHOOSE TO OPT OUT. IN ARBITRATION, CLASS ACTIONS AND DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS ARBITRATION PROVISION THAT REQUIRES YOU AND LG TO RESOLVE ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN

Warranty Laws

goods: The following laws govern warranties that arise in retail sales of consumer

- seq], The California Song-Beverly Consumer Warranty Act [CC §§1790 et
- et seql, and The California Uniform Commercial Code, Division Two [Com C §§2101
- some labeling and disclosure requirements, the federal Act does not for violating disclosure provisions. [See 15 USC §2310(d).] Except for damages for failing to honor a written warranty or service contract or replace defective goods. [See 15 USC §2301(6).] Remedies include product is free of defects or a written promise to refund, repair, or typical Magnuson-Moss Act warranty is a written promise that the Improvement Act [15 USC §§2301 et seq; 16 CFR Parts 701-703]. A The federal Magnuson-Moss Warranty Federal Trade Commission preempt state law. [See 15 USC §2311.]

1. WHAT THIS WARRANTY COVERS:

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

- (1) The limited warranty for the product extends for TWELVE (12) MONTHS from date of manufacture as determined by the unit's manufacture date purchase, or absent valid proof of purchase, FIFTEEN (15) MONTHS beginning on the date of purchase of the product with valid proof of
- (2) The limited warranty extends only to the original purchaser of the purchaser/end user. product and is not assignable or transferable to any subsequent
- (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 this limited warranty. the product back to the consumer after the completion of service under Customer Service Department of LG. LG shall bear the cost of shipping

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 accident, alteration, improper installation, or other acts which are not the unauthorized connections, unauthorized repair, misuse, neglect, abuse, storage, exposure to moisture or dampness, unauthorized modifications fault of LG, including damage caused by shipping, blown fuses, spills of food or liquid
- 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 applicable limited warranty period. consumer of the alleged defect or malfunction of the product during the
- (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 but not limited to any implied warranty of marketability or fitness for a either in fact or by operations of law, statutory or otherwise, including,
- 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:

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

4. STATE LAW RIGHTS:

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

FOR A PARTICULAR PURPOSE APPLICABLE TO THIS PRODUCT WARRANTY OF MARKETABILITY OR MERCHANTABILITY OR FITNESS OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED

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

5. HOW TO GET WARRANTY SERVICE:

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

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

Or visit http://www.lg.com/us/support

Correspondence may also be mailed to:

35824 LG Electronics Service- Mobile Handsets, P.O. Box 240007, Huntsville, AL

DO NOT RETURN YOUR PRODUCT TO THE ABOVE ADDRESS

nearest you and for the procedures for obtaining warranty claims Please call or write for the location of the LG authorized service center

PROCEDURE FOR RESOLVING DISPUTES:

PARTICIPATE IN A CLASS ACTION. PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR WAIVING THE RIGHT TO A JURY TRIAL AND TO BRING OR BINDING ARBITRATION MEANS THAT YOU AND LG ARE EACH ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE

condition or performance of the product or this Limited Warranty. tort, statute, regulation, ordinance, fraud, misrepresentation or any other claim or controversy of any kind whatsoever (whether based in contract, suppliers; references to "dispute" or "claim" shall include any dispute affiliates, and each of their officers, directors, employees, agents, Definitions. For the purposes of this section, references to "LG" mean legal or equitable theory) arising out of or relating in any way to the sale, beneficiaries, predecessors in interest, successors, assigns and LG Electronics MobileComm U.S.A., its parents, subsidiaries and

arbitration the dispute within 30 days, either party may proceed to file a claim for claim and the relief being sought. If you and LG are unable to resolve product that is the subject of the claim; and describe the nature of the must provide your name, address, and telephone number; identify the discussions in an attempt to amicably resolve your claim. The notice Ave, Englewood Cliffs 07632. You and LG agree to engage in good faith advance of initiating the arbitration by sending a letter to LG at LG proceeding, you must first notify LG in writing at least 30 days in Electronics, USA, Inc. Attn: Legal Department- Arbitration 1000 Sylvan Notice of Dispute. In the event you intend to commence an arbitration

notice to LG, you and LG agree to resolve any claims between us only to resolve the dispute during the 30 day period after sending written by binding arbitration on an individual basis, unless you opt out as <u>Agreement to Binding Arbitration and Class Action Waiver.</u> Upon failure

small claims court action may not be brought on a class or either party may bring an individual action in small claims court, but that proceed as part of a class or representative action. Instead of arbitration, any dispute between you and LG shall not under any circumstances product or claim. More specifically, without limitation of the foregoing or consolidated with a dispute involving any other person's or entity's provided below. Any dispute between you and LG shall not be combined representative basis.

terms of this provision. the dispute are for the court to decide. The arbitrator is bound by the and enforceability of the arbitration provision and to the arbitrability of are for the arbitrator to decide, except that issues relating to the scope the arbitrator's award in any court of competent jurisdiction. All issues governed by the Federal Arbitration Act. Judgment may be entered on the rules set forth in this section will govern. This arbitration provision is conflict between the AAA Rules and the rules set forth in this section, demand to LG at LG Electronics, USA, Inc. Attn: Legal Departmentdescribed in the AAA Rules. You must also send a copy of your written arbitration, as well as a copy of this provision, to the AAA in the manner www.adr.org/consumer. Send a copy of your written demand for this section. The AAA Rules are available online at (referred to as the "AAA Rules") and under the procedures set forth in will be conducted before a single arbitrator under the AAA's Consumer will be administered by the American Arbitration Association ("AAA") and you or LG must make a written demand for arbitration. The arbitration Arbitration 1000 Sylvan Avenue Englewood Cliffs, NJ 07632. If there is Arbitration Rules that are in effect at the time the arbitration is initiated Arbitration Rules and Procedures. To begin arbitration of a claim, either

such law is preempted by or inconsistent with applicable federal law. Governing Law. The law of the state of your residence shall govern this Limited Warranty and any disputes between us except to the extent that

receipt of your written demand for arbitration, LG will promptly pay all <u>Fees/Costs</u>. You do not need to pay any fee to begin an arbitration. Upon attorneys' fees and expenses from you if LG prevails in the arbitration. otherwise provided for, LG waives any rights it may have to seek otherwise your obligation to pay under the AAA Rules. Except as will be governed by the AAA Rules. In such a situation, you agree to Rule of Civil Procedure 11(b)), then the payment of all arbitration fees claim or the relief sought in the demand is frivolous or brought for an that a court would. If the arbitrator finds either the substance of your foregoing, if applicable law allows for an award of reasonable attorneys' as long as they are reasonable, by considering factors including, but not in accordance with the AAA Rules and this arbitration provision. If you the AAA Rules. Except as otherwise provided for herein, LG will pay all arbitration filing fees to the AAA unless you seek more than \$25,000 in reimburse LG for all monies previously disbursed by it that are improper purpose (as measured by the standards set forth in Federal fees and expenses, an arbitrator can award them to the same extent limited to, the purchase amount and claim amount. Notwithstanding the prevail in the arbitration, LG will pay your attorneys' fees and expenses AAA filing, administration and arbitrator fees for any arbitration initiated damages, in which case the payment of these fees will be governed by

agree to another location or we agree to a telephonic arbitration. within the federal judicial district in which you reside unless we both AAA Rules. Any in-person arbitration hearings will be held at a location claim exceeds \$25,000, the right to a hearing will be determined by the or (3) by an in-person hearing as established by the AAA Rules. If your documents submitted to the arbitrator, (2) through a telephonic hearing choose to have the arbitration conducted solely on the basis of (1) <u>Hearings and Location.</u> If your claim is for \$25,000 or less, you may

com, with the subject line: "Arbitration Opt Out" or (ii) calling 1-800-980arbitration proceeding. To opt out, you must send notice to LG no later out, neither you nor LG can require the other to participate in an Opt Out. You may opt out of this dispute resolution procedure. If you opt purchase of the product by either: (i) sending an e-mail to optout@lge than 30 calendar days from the date of the first consumer purchaser's

all terms and conditions of the arbitration provision described above. Warranty. If you keep this product and do not opt out, then you accept way, and you will continue to enjoy the full benefits of the Limited procedure will not affect the coverage of the Limited Warranty in any dispute resolution procedure. Opting out of this dispute resolution back of the product beneath the battery, if the battery is removable; or Serial Number can be found (i) on the product box; (ii) on a label on the IMEI or MEID or Serial Number, as applicable (the IMEI or MEID or purchased; (c) the product model name or model number; and (d) the telephone); no other form of notice will be effective to opt out of this procedure in the manner described above (that is, by e-mail or **phone** > **Status**). You may only opt out of the dispute resolution (iii) from the settings menu via the following path: **Settings** > **About** your name and address; (b) the date on which the product was 2973. You must include in the opt out e-mail or provide by telephone: (a)