QB57L25 User manual

2011/08/08

Safety and Regulation

This user manual has been specially designed to guide you through the functions and features of your device. Please read this manual carefully before using your device to ensure safe and correct use. The descriptions in this manual are based on the default settings of your device. Please keep this manual for future reference.

Copyright information
Rights to all technologies and products that comprise this device are the property of their respective owners:
● This product has an Android platform based on Linux, which can be expanded by a variety of JavaScript-based software.
● Google™, Android Market™, Google Talk™, Google Mail™, Google Maps™, and YouTube™ are trademarks of Google, Inc.
● Bluetooth® is a registered trademark of the Bluetooth SIG, Inc. worldwide.
● Java™ is a trademark of Sun Microsystems, Inc.
● Wi-Fi®, the Wi-Fi CERTIFIED logo, and the Wi-Fi logo are registered trademarks of the Wi-Fi Alliance.

Safety warnings

Keep your device away from small children and pets
Keep your device and all accessories out of the reach of small children or animals. Small parts may cause choking or serious injury if swallowed.

Protect your hearing
Excessive exposure to sound at high volumes can cause hearing damage. Always turn the volume down before plugging the earphones into an audio source and use only the minimum volume setting necessary to hear your conversation or music.

Install mobile devices and equipment with caution
Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted. Avoid placing your device and accessories near or in an air bag deployment area. Improperly installed wireless equipment can cause serious injury when air bags inflate rapidly.

Handle and dispose of batteries and chargers with care
- Use only approved batteries and chargers specifically designed for your device. Incompatible batteries and chargers can cause serious injuries or damage to your device. Never dispose of batteries or devices in a fire. Follow all local regulations when disposing of used batteries or devices.
- Never place batteries or devices on or in heating devices, such as microwave ovens, stoves, or radiators. Batteries may explode when overheated.
- Never crush or puncture the battery. Avoid exposing the battery to high external pressure, which can lead to an internal short circuit and overheating.

Avoid interference with pacemakers

Maintain a minimum of 15 cm (6 inches) between mobile devices and pacemakers to avoid potential interference, as recommended by manufacturers and the independent research group, Wireless Technology Research. If you have any reason to suspect that your device is interfering with a pacemaker or other medical device, turn off the device immediately and contact the manufacturer of the pacemaker or medical device for guidance.

Turn off the device in potentially explosive environments

Do not use your device at refueling points (service stations) or near fuels or chemicals. Turn off your device whenever directed by warning signs or instructions. Your device could cause explosions or fire in and around fuel or chemical storage and transfer areas or blasting areas. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories.

Reduce the risk of repetitive motion injuries

While using your device, hold the device with a relaxed grip, press the keys lightly, use special features that reduce the number of keys you have to press (such as templates and predictive text), and take frequent breaks.

Do not use the device if the screen is cracked or broken

Broken glass or acrylic could cause injury to your hand and face. Damage caused by careless handling will void your manufacturer's warranty.

Drive safely at all times

Avoid using your device while driving and obey all regulations that restrict the use of mobile devices while driving. Use hands-free accessories to increase your safety when possible.

Turn off the device near medical equipment

Your device can interfere with medical equipment in hospitals or health care facilities. Follow all regulations, posted warnings, and directions from medical personnel.

Turn off the device or disable the wireless functions when in an aircraft

Your device can cause interference with aircraft equipment. Follow all airline regulations and turn off your device or switch to a mode that disables the wireless functions when directed by airline personnel.

Protect the device, batteries and chargers from damage

- Avoid exposing your device and batteries to very cold or very hot temperatures (below -10°C or above 55°C).
- Extreme temperatures can cause the deformation of the device and reduce the charging capacity and life of your device and batteries.
- Prevent batteries from contacting metal objects, as this can create a connection between the + and - terminals of your batteries and lead to temporary or permanent battery damage.
- Never use a damaged charger or battery.

Avoid interference with other electronic devices

Your device emits radio frequency (RF) signals that may interfere with unshielded or improperly shielded electronic equipment, such as pacemakers, hearing aids, medical devices, and other electronic devices in homes or vehicles. Consult the manufacturers of your electronic devices to solve any interference problems you experience.

Important usage information

Use your device in the normal position Avoid contact with your device's internal antenna.

Handle SIM cards or memory cards with care
- Do not remove a card while the device is transferring or accessing information, as this could result in loss of data and/or damage to the card or device.
- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Do not touch gold-colored contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.

RF Exposure Information (SAR)

This mobile phone meets the government's requirements for exposure to radio waves. This phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. [*]Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the poser required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for the model phone as reported to the FCC when tested for use at the ear is 0.73 W/kg and when worn on the body, as described in this user guide, is 1.5 W/kg (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements.)
While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: QVZ-QB57

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and the positions the handset a minimum of 1 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. If you do no t use a body-worn accessory and are not holding the phone at the ear, position the handset a minimum of 1 cm from your body when the phone is switched on.

FCC Regulations:

15.19(a)(3):
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

15.105(b):
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
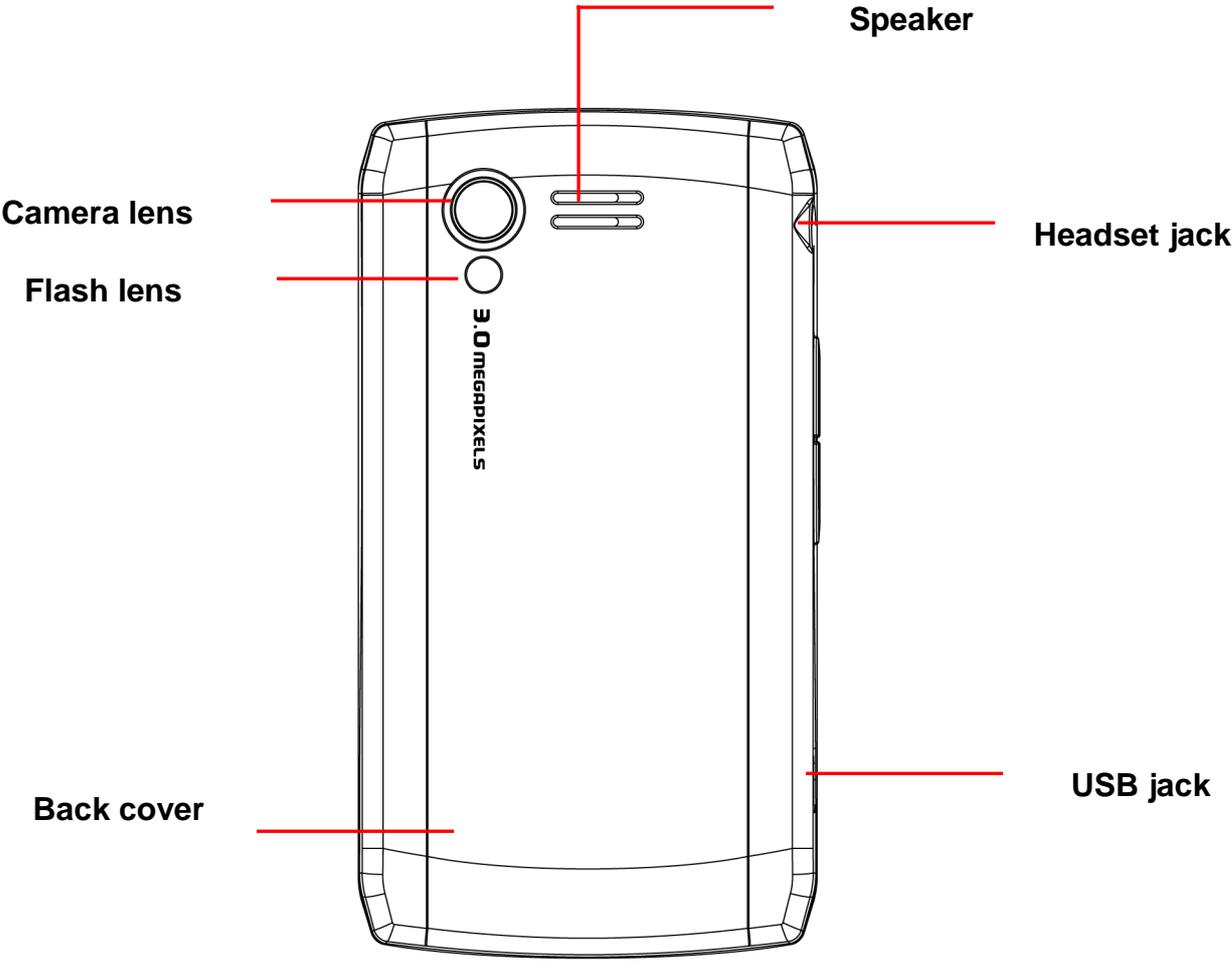
— Consult the dealer or an experienced radio/ TV technician for help.

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

●The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
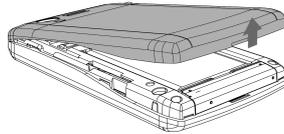
Introduction the Phone

Volume key

Volume key

Back key

Power keys

Menu key

Navigation keys

Confirm key

Qwerty keypad

Speaker

Camera lens

Headset jack

Flash lens

3.0 MEGAPIXELS

Back cover

USB jack

Key function

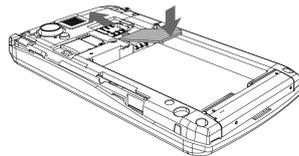| Key	Function
	Turns off the phone and screen.
	Opens the previous screen you were working in.
	Opens the Home screen. If you're viewing the left or right extended Home screen, opens the central Home screen
	Opens a menu with items that affect the current screen or application.
	Four directions key, up down, right and left.
Confirm key	Send (OK) confirm function
Volume key	Adjust the device's volume.
Qwerty keypad	0-9 input number and character.
Flash key	Turn Flash light on
Alt key	Press to insert number character Press twice to turn on Number lock

Getting started

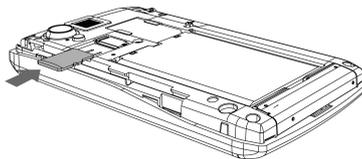To install the SIM / SD card and battery

1. If the phone is on, press and hold ⏻ and select Power off to turn it off.
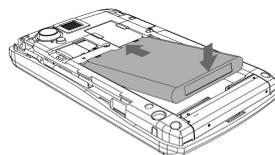2. Remove the back cover

3. Insert the SIM card

4. Insert the SD card, push the memory card in the SD card slot until it locks in place

5. Insert the battery
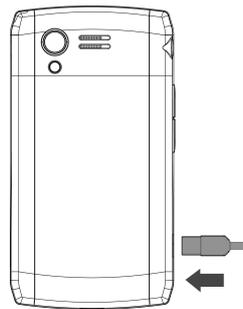
6. Replace the back cover

[Note]
1. **Please the SIM / SD card into the device with the gold-colored contacts facing down.**
2. **If you do not insert a SIM card you can only use non-network services and some menus.**
3. **Do not insert a memory card into the SIM card slot.**
4. **Do not insert / remove a memory card into device when device is running the application. Insert and remove the memory card when device is turn off.**

Charge the battery

Before using the device for the first time, you must charge the battery. You can charge the device with the provide travel adapter or by connecting the device to a PC with USB data cable.

1. Plug the small end of the travel adapter into the USB jack

2. Plug the large end of the travel adapter into a power outlet.
3. When the battery is fully charger, the battery icon is no longer moving, unplug the travel adapter from the device and then from the power outlet

[Note]
1. **You can use the device while it is charging but it may take longer to fully charge the battery.**
2. **While charging the device may heat up. This is normal and should not affect performance of device.**
3. **Do not remove the battery before removing the travel adapter. Doing this may cause damage to the device.**
4. **You have to use the connection to USB interfaces with USB 2.0 version or higher.**
5. **Risk of explosion if battery replaced aced by an incorrect type. Dispose of used batteries according to the instructions.**
6. **Please make sure the temperature for adapter will not be higher than 40 ˚C**

Get to know the Home screen

The Home screen is your starting point to access all the features on your phone. It displays application icons, widgets, shortcuts, and other features. You can customize the Home screen with different wallpaper and display the items you want.

| **Home screen** | **Application list** |

At the top of the screen, the Status bar displays the time, information about the status of your phone, and icons for notifications that you've received. Touch the Launcher icon at the bottom of the screen to view all installed applications.

To wake up the phone

If you don't use the phone for a while, the Home screen or other screen you are viewing, is replaced with the lock screen and then the screen enter sleep mode, to conserve the battery.

● Press the Power button.

If you've locked your screen, you must draw an unlock pattern or enter a PIN or password to unlock it. If you haven't locked your screen, this lock screen appears.

● Drag the lock icon to the right.

The last screen you were working on opens.

To view other parts of the Home screen

Slide your finger left or right across the Home screen. These extensions to the Home screen provide more space for widgets, shortcuts, and other items. Small dots at the lower left and right indicate which screen you're viewing.

Touch & hold the small dots on the lower left or right of the screen to view thumbnails of the Home screen and its extensions, which you can touch to open.

How to use menus

There are two kinds of Android menus: options menus and context menus.

Options menus

Options menus contain tools that apply to the activities of the current screen or application, not to any specific item on the screen. You open options menus by pressing the ⊞ button. Not all screens have options menus; if you press ⊞ on a screen that has no options menu, nothing happens. Some screens have more options menu items than can fit in the main menu; you touch **More** to open a menu of additional items.

Monitoring your phone's status

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

If you have more notifications than can fit in the status bar, a plus icon prompts you to open the Notifications panel to view them all.

Status icons

The following icons on the display may vary depending on your region or network service provider.

	Connected to GPRS mobile network		Roaming
	GPRS in use		No signal
	Connected to EDGE mobile network		No SIM card
	EDGE in use		Vibrate mode
	Connected to 3G mobile network		Ringer is silenced
	3G in use		Phone microphone is mute
	Mobile network signal strength		Battery is very low
	Connected to a Wi-Fi network		Battery is low
	Bluetooth is on		Battery is partially drained
	Connected to a Bluetooth device		Battery is full
	Airplane mode		Battery is charging
	Alarm is set		GPS is on
	Speakerphone is on Receiving		location data from GPS

Notification icons

Indicator icon show on that you've received a notification.

	New Gmail message		3 more notifications not displayed
	New text or multimedia message		Call in progress
	Problem with text or multimedia message delivery		Call in progress using a Bluetooth headset
	New Google Talk message		Missed call
	New voicemail		Call on hold
	Upcoming event		Call forwarding is on
	Data is syncing		Song is playing
	Problem with sign-in or sync		Uploading data
	SD card is full		Downloading data
	An open Wi-Fi network is available		Download finished
	Phone is connected via USB cable		Connected to VPN
	Phone is sharing its data connection via USB (USB tethering)		Disconnected from VPN
	Phone is sharing its data connection as a Wi-Fi hotspot (Wi-Fi tethering)		Carrier data use threshold approaching or exceeded
	Phone is tethered in multiple ways		Application update available
			System update available

To open the Notifications panel

Drag the Status bar down from the top of the screen. On the Home screen, you

can also press and touch **Notifications**. The Notifications panel displays

your wireless provider and a list of your current notifications. Notifications about ongoing activities are listed first, followed by Notifications about events, such as new mail notifications or Calendar reminders.

To respond to a notification

● Open the Notifications panel.

Your current notifications are listed in the panel, each with a brief description.

● Touch a notification to respond to it.

The Notifications panel closes. What happens next depends on the notification. For example, new voicemail notifications dial your voicemail box, and network disconnect notifications open the list of configured networks so you can reconnect.

To clear all notifications

● Open the Notifications panel.

● Touch **Clear** at the top right of the panel. All event-based notifications are cleared; ongoing notifications remain in the list.

To close the Notifications panel

Drag the tab at the bottom of the Notifications panel to the top of the screen. Or just press the Back button. The panel also closes when you touch a notification to respond to it.

Access applications

The Launcher, which you open from the Home screen, holds icons for all of the applications on your phone, including any applications that you downloaded and installed from Android Market or other sources. When you open an application, the other applications you've been using don't stop; they keep on running: playing music, rendering web pages, and so on. You can quickly switch among our applications, to work with several at once. The Android operating system and applications work together to ensure that applications you aren't using don't consume resources unnecessarily, stopping and starting them as needed. For this reason, there's no need or facility for quitting applications.

To open and close the Launcher

On the Home screen, touch the Launcher icon to open it. If you have more applications than can fit on the Launcher in one view, you can slide the Launcher up or down to view more.

You can add an application icon to the Home screen by touching & holding it on the Launcher until it vibrates and then dragging it to a location on the Home screen. Touch the Home icon on the Launcher or the Home button to close the Launcher. The Launcher closes automatically if you touch an icon to open its application or if you move an icon from the Launcher to the Home screen.

To open an application

Touch an application's icon on the Launcher, or touch an application's icon on the Home screen.

To switch to a recently used application

- Press & hold the Home button then small window opens, with icons of applications that you've used recently.
- Touch an icon to open its application or press

Back to return to the current application.

Locking your screen

You can lock your screen so that only you can unlock it to make calls, access your data, buy applications, and so on. You may also be required to lock your screen by a policy set by an email or other account you add to your phone.
.

To lock your screen

● On the Home screen, press ⬚ and touch **Settings** > **Location & security**.

● Select **Set up screen lock**.

If you already have a screen lock configured, touch **Change screen lock** to change how you lock your screen or to turn off screen locking.

● Touch **Pattern**, **PIN**, or **Password**.

If you touch **Pattern**, you're guided to create a pattern you must draw to unlock the screen. The first time you do this, a short tutorial about creating an unlock

pattern appears. You can press ⬚ and touch **Help** at any time for a refresher.

Then you're prompted to draw and redraw your own pattern.

If you touch PIN or Password, you're prompted to set a numeric PIN or a password you must enter to unlock your screen. The next time you turn on your phone or wake up the screen, you must draw your unlock pattern or to enter your PIN or password to unlock the screen.

Customizing the Home screen

You can add application icons, shortcuts, widgets, and other items to any part of the Home screen. You can also change the wallpaper.

To add an item to the Home screen

● Open the Home screen where you want to add the item. For an introduction to working with the Home screen, including how to switch Home screens, see "Getting to know the Home screen" on page.

● Press ⬚ and touch **Add**. Or just touch & hold an empty location on the Home screen.

If there are no empty spots on the Home screen, **Add** is dimmed; you must

delete or move an item before you can add another item, or switch to another Home screen.

- In the menu that opens, touch the type of item to add.
- You can add the following types of items to the Home screen.
  - Shortcuts: Add shortcuts to applications, a bookmarked webpage, a favorite contact, a destination in Maps, a Gmail label, a music playlist, and many other items. **(Note: The shortcuts available depend on the applications you have installed.)**
  - Widgets Add any of a variety of miniature applications (widgets) to your Home screen, including a clock, a music player, a picture frame, the Google search bar, a power manager, a calendar that shows upcoming appointments, and a News & Weather widget. You can also download widgets from Android Market.
  - Folders: Add a folder where you can organize Home screen items, or folders that contain all your contacts, contacts with phone numbers, or starred contacts. Your folders' contents are kept up to date automatically.

To move an item on the Home screen

- Touch & hold the item you want to move, until it vibrates. Don't lift your finger.
- Drag the item to a new location on the screen. Pause at the edge of the screen to drag the item onto another Home screen pane.
- When the item is where you want it, lift your finger.

To remove an item from the Home screen

- Touch & hold the item you want to remove, until it vibrates. Don't lift your finger. The Launcher icon changes to a Trash Can icon.
- Drag the item to the Trash Can icon.
- When the icon turns red, lift your finger.

To change the Home screen wallpaper

- Press and touch **Wallpapers**. You can also touch & hold an empty area of the Home screen and in the menu that opens, touch **Wallpapers**.
- Touch Gallery, **Live wallpapers**, or **Wallpapers**. Touch **Gallery** to use a picture that you have captured using the camera or copied to your phone. You can crop the picture before setting it as wallpaper.

- Touch **Live wallpapers** to open a scrolling list of animated wallpapers installed on your phone. Some live wallpapers change according to the time of day, in response to touching the screen, tell the time, or offer other information. Some live wallpapers have a **Settings** button.
- Touch **Wallpapers** to open a screen where you can sample the wallpaper images that come with the phone. Slide the miniature images left and right to view the samples. Touch a sample to view a larger version.
- Touch **Save** or **Set wallpaper**.

To rename a folder

- Touch the folder to open it.
- Touch & hold the folder window's title bar.
- Enter a new name in the dialog that appears.
- Touch **OK**.

Communication

You can place a phone call by dialing a phone number. You can also touch a number in your contacts, on web pages, and other places. When you're on a call, you can answer incoming calls or send them to your voicemail box. You can even set up conference calls with several participants.

Placing and ending calls

You can place calls with the Phone application. You can also place calls when working in the Call log or in Contacts.

To open Phone

Touch the Phone icon on the Home screen or the Phone application icon in the Launcher or on the Home screen. If you're already working with Contacts or the Call log, touch the **Phone** tab.

To place a call by dialing

- Open Phone.

- Touch the keys on the Phone tab to enter the phone number. If you enter a

wrong number, touch to erase digits one by one. To erase the entire

number, touch & hold To dial an international number, touch & hold the

0 key to enter the plus (**+**) symbol. Then enter the international prefix for the
country, followed by the full phone number

● Touch the green phone icon to dial the number that you entered.

You can switch applications during a call—for example, to look up information
by using the Browser. The green phone icon appears in the Status bar while the
call is underway. Press the Volume Up / Down button to adjust the call volume.
Use the onscreen buttons to place the current call on hold, to add a caller, and
for other options, as described in "Options during a call".

To end a call

● Touch End .

To disable phone calls (Airplane mode)
Some locations may require you to turn off the phone's mobile, Wi-Fi, and
Bluetooth wireless connections. You can turn off all these wireless connections
at once by placing your phone in Airplane mode.
● Press & hold the Power button
● Touch **Airplane mode**.
You can also use the Settings application to turn Airplane mode on and off and
to configure other mobile and network settings.

Answering or rejecting calls

When you receive a phone call, the Incoming Call screen opens with the caller
ID and any additional information about the caller that you have entered in
Contacts. All incoming calls are recorded in the Call log. If you miss a call, you
receive a notification.

To answer a call
● Drag the green phone icon to the right. If you were already on a call, the first
call is placed on hold while you answer the new call. To silence the ringer
before answering the call, press the Volume Down button.

To decline a call and divert it to voicemail

- Drag the red phone button to the left. The caller is sent directly to your voicemail box to leave a message.

Working with the Call log

The Call log is a list of all the calls you've placed, received, or missed. It offers a convenient way to redial a number, return a call, or add a number to your Contacts.

To open the Call log

- Press the Call button. If you have the **Phone** or **Contacts** tab open, touch the **Call log** tab. Calls are listed with the most recent at the top. Calls exchanged sequentially with the same number are grouped. Scroll to view earlier entries in the log.

To dial a number in the Call log

- Touch the green phone icon at the right of the entry. You can also touch & hold the entry to open a menu with options for communicating with that contact in other ways.

To add an entry's number to your Contacts

- Touch & hold the entry.
- Touch **Add to contacts** in the menu that opens.
- In the list of contacts that opens, touch **Create new contact** at the top, or scroll to find and then touch an existing contact to which you want to add the number.

To take other actions on a Call log entry

- Touch a Call log entry to open a screen where you can call the contact again, send the contact a message, add the number to your Contacts, and learn more about the original call.
- Touch & hold a Call log entry to open a menu where you can call the contact, view contact information, edit the number before you redial, and more.

To clear the Call log

● While viewing the Call log, press and touch **Clear call log**. You can also touch & hold an entry in the log. In the menu that opens, touch **Remove from call log** to remove that entry from the log.

Calling your contacts

Instead of entering the number in the Phone tab, you can touch one of your contact's phone numbers to dial it. You can also quickly call a contact by using Quick Contact. Adding, editing, and performing other tasks with your contacts is described in **Contacts**. If you have contacts on the web, they're synchronized with your phone when you first connect to your Google Account.

To call a contact

● Open your contacts.

For example, touch the Contacts icon in the Launcher. Or touch the Phone icon on the Home screen and then touch the **Contacts** tab.

● Touch the contact to call.

You can search for or scroll to find a contact.

● Touch the phone number to use to call the contact.

To call a favorite contact

● Open your list of favorites.

For example, touch the Phone icon on the Home screen and then touch the **Favorites** tab. The list of your favorite contacts is followed by a list of the numbers that you call most often.

You can add and remove favorites by touching the star next to their names, while you're viewing information about the Contact.

● Touch the favorite to call.

● Touch the phone number to use to call the contact

Listening to your voicemail

When you have a new voicemail message, the voicemail icon appears in the Status bar. If you have not set up your voicemail number, or if you need to change it, you can do that with the all settings..

To listen to your voicemail

● Open the Notifications panel and touch **New voicemail.**

● Open Phone and touch the voicemail icon on the Phone tab. Your
carrier's voicemail system guides you through the process of listening to
and managing your voicemail. The first time you call your voicemail, it also
guides you through the process of recording greetings, setting a password,
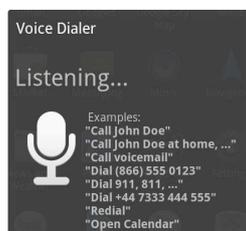and so on.

Dialing by voice

You can use the Voice Dialer application to place a phone call by speaking the
name of a contact or a phone number. You can also use Voice Search to dial a
number, to search the web by speaking, to send a message, and to use voice
actions to perform many other common tasks.

To place a call by speaking

● Touch the Voice Dialer icon in the Launcher or on the Home screen.
If you have a Bluetooth headset that supports "voice-recognition" or
"voicedialing," you may be able to open Voice Dialer by pressing your headset's
main button or in some other way, and dial by voice using your headset. For
details, see the documentation that came with your headset. The Voice Dialer
opens, listening for your spoken instructions, and displaying some hints for how
to use it.

● Say "Call" followed by the name of the contact to call.
Or follow one of the suggestions for dialing a number or controlling your phone
in other ways.

Options during a call

When a call is in progress, you can put a call on hold, create a phone

conference, mute your microphone, and more.

To place a call on hold

● Touch the Hold icon .

The current call screen indicates that you have a call on hold. A Hold icon

appears in the Status bar to remind you that you have a call on hold. From

any other application, you can open the Notifications panel and touch the entry
for the call on hold to return to the current call screen. Take the call off hold by
touching the Unhold button.

To mute the microphone during a call

● Touch Mute.

The Mute button lights up green to indicate that the microphone is muted.
The Mute icon appears in the Status bar to remind you that the microphone is
turned off. When viewing the current call screen, you can unmute the
microphone by touching the Mute icon again. The microphone is unmuted
automatically when the current call ends.

To turn the speakerphone on or off

● Touch Speaker.

The Speaker button lights up green to indicate that the speakerphone is on.
The Speaker icon appears in the Status bar and the sound from your call is
played through the phone's speaker.
When viewing the current call screen, you can turn the speakerphone off by
touching the Speaker icon again.
The speaker is turned off automatically when your current call ends.
Note: To avoid damage to your hearing, do not hold the phone against your ear
when the speakerphone is turned on.

To switch between a Bluetooth headset and the phone

When a Bluetooth headset is paired and connected to your phone, you can
conduct all calls on the headset for hands-free conversation.
When using the Bluetooth headset during a call, the current call screen has a
blue border and the Ongoing Call icon turns blue in the Status bar.

● Touch the Bluetooth icon to switch from the headset to the phone or vice
versa.

Managing multiple calls

If you accept a new call when you're already on a call, you can switch between the two callers or merge the two calls into a single conference call. You can also set up a conference call with multiple callers.

To switch between current calls

● Touch the Swap icon .

The current call is put on hold and you join the other call.

To set up a conference call

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

● Place a call to the first participant.
● When you're connected, touch **Add call**. The first participant is put on hold and you're prompted to dial the second caller.
● Place the next call, using the Phone tab, the Call log, or your contacts.

When you're connected, touch **Merge calls**. The participant is added to the conference call. You can add as many callers as your carrier supports. During a conference call, touch **Manage** to drop a conference call participant or to talk privately with one of the participants. To end a conference call and disconnect all callers

● Touch **End**.

Messaging

You can use Messaging to exchange text messages (SMS) and multimedia messages (MMS) with your friends on their mobile phones.

Opening Messaging

To open Messaging

● Touch the Messaging icon on the Home screen or in the Launcher. The Messaging window opens, where you can create a new message or open an ongoing message thread.
● Touch **New message** to start a new text or multimedia message.
● Touch an existing message thread to open it.

To delete a message thread from the Messaging window
- Touch & hold the message thread.
- Touch **Delete thread** in the menu that opens.

You can also press ⌗ and touch **Delete thread** to delete all message

threads from the window.

Exchanging messages

You can send text (SMS) messages of up to 160 characters to another mobile
phone. If you keep typing after the limit, your message is delivered as a series of
messages.
Multimedia (MMS) messages can contain text and a picture, a recorded voice,
an audio file, a video, or a picture slideshow. Messaging automatically converts
a message into a multimedia message if you send it to an email address instead
of a phone number add a subject, or attach a media file.

To send a text message
- On the Messaging screen, touch **New message**.
- Enter a mobile phone number in the **To** field.
As you enter the phone number, matching contacts appear. You can touch a
suggested recipient or continue entering the phone number.
You can also enter the name of a contact with a mobile number.
- Touch the composition text box to start entering your message.
You can enter a smiley icon (an emoticon) on the onscreen keyboard by
touching & holding the Smiley key and then touching a smiley. You can also

press ⌗ and touch **Insert smiley** to open a scrolling list of smileys.

As you near the 160-character limit, a counter appears in the top right corner of
the text box to tell you how many characters are left. If you go over that limit, a
new message is created, which is joined with its predecessors when received.
If you press **Back** while composing a message, it's saved as a draft in your
Messaging window. Touch the message to resume composing it.
- Touch **Send**.
The Message window opens, with your message after your name. Responses
appear in the window. As you view and send additional messages, a message
thread is created.

To create and send a multimedia message

- On the Messaging screen, touch **New message**.
- Enter a mobile phone number or email address in the **To** field. As you type, matching contacts appear. You can touch a suggested contact or continue typing. You can also enter the name of a contact with a mobile number.
- Touch the composition text box to start entering your message.
- Press and touch **Add subject** to add a message subject.
- Press and touch **Attach** to open a menu where you can touch the kind of media file to attach to the message. If you touch **Pictures**, you're prompted to touch a picture to attach it. If you touch **Capture picture**, Camera opens so you can take a picture and attach it. If you touch **Videos**, you're prompted to touch a video to attach it. If you touch **Capture video**, Camcorder opens so you can shoot a video and attach it. If you touch **Audio**, you're prompted to touch a ring tone to attach it. If you touch **Record audio**, a screen opens where you can record a spoken message and attach it. If you touch **Slideshow**, a screen opens where you can assemble photos into a slideshow of up to 10 slides to attach to the message.

Use the buttons in the **Compose message** screen to preview or remove the media attachment.

- Touch **Send MMS**.

To respond to messages you receive

If you're working in a message window, messages that you receive are displayed in it. Otherwise, you receive a new message notification and a new message icon appears in the Status bar. When you touch the new message notification, the Message window opens, where you can reply to the message. If Auto-retrieve is unchecked, you must touch **Download** to view the message. If the message contains a media file, touch **Play** to view, watch, or listen to it. Touch & hold the media file to open a menu with an option for saving the message on your SD card.

- Touch & hold a message to open a menu with number of options for working with the message and its sender's information. Most of these options are described in this section.

To forward a message

- Touch & hold a message in a message window.
- Touch **Forward** in the menu that opens.
- Enter a recipient for the message and edit the content if you want.
- Touch **Send**.

To lock a message

You can lock a message so it won't be deleted if you reach your storage limits. If you try to delete a thread that contains a locked message, you're asked to confirm that you want to delete it.

- Touch & hold a message in a message window.
- Touch **Lock message** in the menu that opens.

A lock icon appears to the right of the message.

Unlock a message by touching & holding it and then touching **Unlock message**.

To view details about a message

- Touch & hold a message in a message window.
- Touch **View message details** in the menu that opens.

Changing Messaging settings

- To change Messaging settings, open the Messaging window, press , and touch **Settings**.

Storage settings

Delete old messages Check to delete older messages in a thread when the **Text message limit** or **Multimedia message limit** is reached. Uncheck to keep all messages.

Text message limit Touch to set the number of messages to save per thread of text messages. When the limit is reached, older messages are deleted if **Delete old messages** is checked.

Multimedia message limit Touch to set the number of messages to save per thread of multimedia messages. When the limit is reached, older messages are deleted if **Delete old messages** is checked.

Text message (SMS) settings

Delivery reports Check to receive delivery reports for the messages you send.

Manage SIM card messages Touch to open a window where you can work with messages stored on your SIM card—for example, if you used the SIM card in

another kind of phone where you exchanged text messages.

Multimedia message (MMS) settings
Delivery reports Check to receive a report on the messages you send. Read reports Check to receive reports when your messages are read or deleted.
Auto-retrieve Uncheck to download only the heading of multimedia messages, which you can then touch to open a menu to download the whole message. This is useful for controlling how much data you download, for example, when connected to a slow data network.
Network roaming auto-retrieve Uncheck to download only the header of multimedia messages when connected to other carrier's data networks. This is useful for avoiding unexpected charges, if your contract has limits on data roaming.

Notification settings
Notifications Check to receive a notification whenever you receive a new message. Select ringtone opens a dialog where you can select the ringtone to sound when you receive new message notifications.
Vibrate Opens a dialog where you can set the phone to vibrate whenever you received a new message notification, only in Silent mode, or never.

Gmail

You can retrieve new email messages from Google Mail™ to your Inbox. When you access this application, the Inbox screen appears. The total number of unread messages displays in the title bar and unread messages display in bold. If you have labeled a message, its label appears in a colored rectangle on the message.
Note:This feature may be unavailable depending on your region.

Send an email message
● In Home screen, open the application list and select **Gmail**.
● Press Navigation key then **Compose**.
● Enter a name or address in the recipient field.
● Enter a subject and message.
● To attach an image file, press Navigation key→ **Attach** → a file.
● Select **Send** to send the message.

View email messages

● In Idle mode, open the application list and select **Gmail**.

● Select an email message.

From the message view, use the following options:

• To reply to the message, select **Reply**.

• To reply to the message including all recipients, select **Reply to all**.

• To forward the message to other people, select **Forward**.

• To view an attachment, select **Preview** next to the attachment item. To save it to your device, select **Download**.

• To archive the message, select **Archive**.

• To delete the message, select **Delete**.

• To view an older message, select **Older**.

Organise email by labels

You can organize your email by labeling your messages or adding stars to ark important messages. You can sort messages by label filter.

Add a label to a message

● From the Inbox screen, tap and hold a message.

● Select **Change labels**.

● Select a label to add and select **OK**.

Add a star to a message

● From the Inbox screen, tap and hold a message.

● Select **Add star**. The star icon next to the message is activated.

Filter messages

● From the Inbox screen, press Navigation key → **View labels**.

● Select the label of the messages you want to view.

Email

You use the Email application to read and send email from services other than Gmail. Email includes a wizard that makes it easy to configure it for several popular email service providers.

Opening Email and the Accounts screen

You use the Email application to read email from services other than Gmail.

To open Email

- Touch the Email icon on the Home screen or in the Launcher. The first time you open Email, a setup wizard opens to help you add an email account, as described in "Adding and editing email accounts".

After the initial setup, Email opens to the last screen you were viewing or, if you have not used Email recently, it displays the contents of your Inbox (if you have only one account) or the Accounts screen (if you have multiple accounts).

You can also add a shortcut to your Home screen to an account's Inbox, so that you can open it directly from the Home screen. See "Customizing the Home screen" for details about adding shortcuts.

To open the Accounts screen

The Accounts screen lists your Combined Inbox and each of your email accounts. If you have starred, draft, or unsent messages in any of your accounts, the folders for those items from all accounts are displayed as well.

- From a folder screen, press and touch **Accounts.**

Each folder and account on the Accounts screen displays the number of unread messages in green, or the total number of messages in gray.

You can touch a combination folder, such as the Combined Inbox folder, to view the messages it contains.

You can also touch an account to view its Inbox, or an account's folder icon to view a list of that account's folders. The account from which you send email by default is indicated with a checkmark.

To open your Combined Inbox

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

- Open the Accounts screen.
- Touch **Combined Inbox**.

Messages in the Combined Inbox are color coded along their left sides, by account, using the same colors that are used to color code your accounts in the Accounts screen.

Only some of your account's recent email is downloaded to your phone. To

download earlier messages in batches for IMAP or POP3 accounts, touch **Load more messages** at the bottom of the list of email.

Reading your messages

You can read messages in your Combined Inbox or in the Inbox or other folders for individual accounts. When you receive a new message, you also receive a notification in the Status bar, unless you've turned off Email notifications using the Email Account settings, where you can also set whether Email notifications vibrate the phone and pick a ringtone.
See "To change an account's settings". When you touch an Email notification, it opens the combined Inbox.

To read a message
● Open the Combined Inbox, an account's Inbox, or another folder of messages.
● Touch the message to read.

The message opens in a screen with information about who sent it, the date it was sent, and related information at the top, followed by the contents of the message

The Google Talk online status is shown next to the name of the sender of each message. You can touch that status indicator to open Quick Contact.
You can reply to, forward, delete, or take other actions on a message, as described in "Responding to a message".

Responding to a message

You can reply to or forward a message that you receive. You can also delete messages and manage them in other ways.

To reply to or forward a message
● While reading a message, touch **Reply** or **Reply all**.

● Press ⊞ and touch **Reply**, **Reply all** or **Forward**.

A Compose Message window opens with the addresses (when replying), subject, and a copy of the message you're responding to filled in.
You can send this message as you would a new message, as described in "Composing and sending email".

To mark a message as unread

You can to return a read message to the unread state—for example, to remind yourself to read it again later. You can also mark a batch of messages as unread; see "Working with message in batches".

- While reading a message, press and touch **Mark as unread**.

To delete a message

You can delete a message from its folder. You can also delete a batch of messages; see "Working with message in batches".

- While reading a message, touch **Delete**.

- Press and touch **Delete**.

For most kinds of accounts, deleted messages are moved to a Trash folder, so you can retrieve them if you deleted them in error.

Starring messages

You can star an important message to make it easy to keep track of. Once you star a message, a Starred folder is added to the Accounts screen. You can also star a batch of messages.

To star a message
- While reading a message, touch the star in its header.
- While viewing a list of messages in a folder, touch a message's star, the star turns gold.

To unstar a message
- Touch its star again.

To view your starred messages

You can open a folder that contains the starred messages from all of your accounts.
- Open the Accounts screen.
- Touch **Starred**. A folder opens with a list of your starred messages.

You can also open an account's individual Starred folder.

Working with message in batches

You can delete, star, or mark unread a batch of messages at once.

● In the Inbox or mailbox, check the messages that you want to work with as a batch. When you check one or more messages, the **Mark unread**, **Add star**, and **Delete** buttons appear at the bottom of the screen.

● Touch **Mark unread**, **Add star**, or **Delete**. You can also press ⊞ and touch **Deselect all**. Your action affects the entire batch of messages.

Composing and sending email

To compose and send a message

● Press ⊞ and touch **Compose**.

● Address the message.
As you enter text, matching addresses are offered from your Contacts. You can touch a suggested address or enter a new one. Separate multiple addresses with commas.

● Press ⊞ and touch **Add Cc/Bcc** to address a copy or blind copy of the message.

● Enter a subject for the message.

● Enter the text of the message.

● Press ⊞ and touch **Attach** to send a photo with the message.

● Touch **Send**.
If you're not ready to send the message, touch **Save as draft** to save it in a Drafts folder. You can open the combined Drafts folder for all accounts on the Accounts screen or just your account's Drafts folder. Touch a draft message in a Drafts folder to resume working on it. Your message is also saved as a draft if you press Back before sending it. Touch **Discard** to abandon a message, including any saved drafts.
If you aren't connected to a network, for example, if you're working in airplane mode, the messages that you send are stored in your Outbox folder until you're connected to a network again. If it contains any messages, the Outbox is displayed on the Accounts screen.

Working with account folders

Each account has Inbox, Outbox, Sent, and Drafts folders. Depending on the features supported by your account's service provider, you may have additional

folders.

To view an account's folders
- Open the Accounts screen.
- Touch an account's folder icon.

You can also open an account's folders while viewing its Inbox or other folder,

by touching ⊞ and then touching **Folders**.

The account's Folders screen opens, with a scrolling list of the folders in the account. Touch a folder to view a list of the messages it contains.

Adding and editing email accounts

The first time you open Email, you are prompted to set up an email account. After that, you can configure Email to send and receive email from additional accounts. The accounts that you configure are displayed in the Accounts screen.

The Email setup wizard helps you set up your account for many popular email systems, including those based on IMAP and POP3, so you can read and work with the same email as you do on a computer in Thunderbird, Mac Mail, in a web browser, or with another email application. If your service provider requires additional settings, or if your service provider is unknown to Email, you can enter the necessary details manually, though you will typically need to contact your email service provider to determine the right settings for your account.

You can also set up an a Microsoft Exchange ActiveSync account (Exchange 2003 and 2007), so you can read and work with the same email as you do on a computer using Microsoft Outlook. Email supports username and password authentication for Exchange ActiveSync accounts, and your IT administrator may set additional security policies for the account (contact your IT administrator for more information).

To add an email account
- Open the Accounts screen.

- Press ⊞ and touch **Add account**.

In the Setup Email screen, enter your email address and password.
If you're adding a second or subsequent email address, you can also check the option to use the new account to send all outgoing messages.

- Touch **Next**. Or, if you need to enter email account settings the wizard can't configure for you, touch **Manual setup**.

If you touch **Next**, Email attempts to communicate with your email service provider to validate your account for sending and receiving mail, using just your email address and password. This is sufficient for most email services. Depending on the service provider, you may be asked what kind of email account you have. If you're not sure, check the settings in the application you use to send and receive email on your computer, or ask your email service provider. If the wizard determines that your service provider requires additional information, or if you touched **Manual setup**, you're prompted to enter your email account details.

The details you enter are different, depending on the email service type. Contact your email service provider for the values required for your account.

If you are adding an Exchange ActiveSync account, you're prompted to set how often and how you want to check for new email, how many days or weeks worth of email to store on your phone, and a number of other options. You're also asked whether you want to synchronize your contacts and calendar from the Exchange ActiveSync server to your phone.

You can change these settings later in the Contacts and Calendar pplications.

- Enter any other information requested by the type of account you're adding and touch **Done**.
- Enter a name for the account and touch **Done**.

Email starts downloading your email messages and you can start using it to send and receive messages using the new account.

To change an account's settings

You can change a number of settings for an account, including how often you check for email, how you're notified of new mail, and details about the servers the account uses to send and receive mail.

- Open the Accounts screen.
- Touch & hold the account whose settings you want to change. In the menu that opens, touch **Account settings**.

You can also open the settings for an account while you're viewing its inbox, by pressing and touching **Account settings**.

- When you're finished changing settings, press **Back**.

To delete an email account

- Open the Accounts screen. On some Email screens, you can press ⊞
  and touch **Accounts**.
- Touch & hold the account to delete.
- Touch **Remove account** in the menu that opens.
- Touch **OK** in the dialog to confirm that you want to delete the account.

Changing email account settings

You can change the following settings for each email account when you create it or at any later time. These settings apply only to the account you're working with. To change the settings for another email account, you must switch accounts.

Account settings
- Account name: The name of the account as it appears in the Accounts and Folders screens. Your name Your name as it appears to others when they receive email from you.
- Signature: Opens a dialog where you can enter a signature to append to the messages you send from this account.
- Email checking frequency: Opens a dialog where you can set how often Email checks for new email sent to this account.
- Amount to synchronize: For Exchange ActiveSync accounts, opens a dialog where you can set how many days or weeks of email to store on the phone.
- Default account: Use this account's outgoing email server for the email you compose and send when you are not currently viewing or working with email from a specific account.
- Email notifications: Set whether you want to receive notifications when you receive new email sent to this account.
- Select ringtone: Select a ringtone to sound when you receive an email notification for this account.
- Vibrate: Opens a dialog where you can set the phone to vibrate whenever you receive an email notification for this account, only when the phone is in Silent mode.
- Incoming settings: Opens a screen where you can configure settings for how you receive email for this account.
- Outgoing settings Opens a screen where you can configure settings for how you send email from this account. (Microsoft Exchange ActiveSync accounts do not have separate outgoing server settings.)

Sync contacts For accounts that can sync contacts, check to sync contacts from this account to your phone. Sync calendar For accounts that can sync calendars, check to sync contacts from this account to your phone.

Entertainment

Camera

Camera is a combination camera and camcorder that you use to shoot and share pictures and videos. Pictures and videos are stored on the phone's SD card, so you must install one to use Camera, as described in your phone's owners' guide.
You can copy your pictures and videos from the SD card to a computer, as described in "Connecting to a computer via USB". You can view your pictures and videos on the phone, edit them, and share them, and so on with Gallery

Opening Camera and taking pictures

You take pictures and shoot videos with Camera. You can also view your pictures with the Gallery application, as described in "Gallery".
Note: Be sure to clean the protective lens cover with a microfiber cloth before taking pictures. A lens cover with smudges from fingers can cause blurry pictures with a "halo" effect.

To open Camera
● Touch the Camera icon in the Launcher or on the Home screen.
Camera opens in Landscape mode, ready to take a picture or shoot a video.

To take a picture
● If necessary, drag the control to the Camera position.
● Adjust your exposure, flash, and other settings if you wish. Or leave them on automatic. The preview image changes as you change the settings.
● Frame your subject on screen.
● You can zoom in or out by touching the Zoom icon **1x** and then touching a zoom level.
● Touch the Shutter icon on screen or press the Navigation key.The camera brings the image into focus. When the image is in focus, the focus indicators in each corner turn green and the camera takes a picture, or

touch & hold the Shutter icon or press & hold the Navigation key to focus first, before taking a picture; then lift your finger to take a focused picture more quickly.

Slide your finger off the Shutter icon or roll the Navigation key and release your finger to cancel taking the picture.

The picture you just took is displayed for a moment, and then is displayed as a thumbnail at the top right.

● Touch the thumbnail to view, share, and work with your pictures in Gallery

To take pictures with digital zoom

● Touch the onscreen Zoom icon **1x** and then touch the amount of zoom you want.
● Double-tap the screen to zoom all the way in or out.

Pictures that you take with digital zoom may be smaller (in pixels) than the size you set with the Picture Size setting.

To shoot a video

● If necessary, drag the control to the Video position.

Adjust the quality, color effect, flash, and other settings if you wish.leave them on automatic. The preview image changes as you change the settings.

● Point the lens to frame the scene where you want to start.
● Touch the Start Video icon or press the Navigation key.

Camera starts shooting the video. The time remaining to shoot counts down at the left; when less than a minute is left, the countdown turns red.

● Touch the Stop Video icon or press the Navigation key to stop shooting.

An image from your most recent video is displayed as a thumbnail at the top right.

● Touch the thumbnail to view, share, and work with your videos in Gallery

Changing Camera settings

Camera has automatic settings that you can use to take quick point-and-shoot photographs and videos. But Camera also offers a number of ways to control your exposures, including controlling the focus, turning the flash on and off, and adjusting the white balance. You can even shoot negatives and other special effects.

When in Video mode, Camera includes settings for controlling picture and video quality and video length, whether to store the location where you take your pictures, and so on.

To change Camera settings

- Open the Camera screen for taking pictures or shooting videos and touch the icon for the settings you want to change.The settings open over the screen.
- Touch the setting category you want to control and then touch a setting.
- Press Back to close the Settings menus. Icons on the screen indicate the current settings.
- Take your pictures using the new settings.

Camera mode settings

When in Camera mode, Camera settings are displayed on screen.

Settings Touch to open a scrolling list of settings:

- **Focus mode:** Touch to set Camera to use its Autofocus feature (**Auto**), or to more quickly take pictures focused at infinity (**Infinity**).
- **Exposure:** Touch to adjust the exposure in the range of **+2** to **-2**.
- **Picture size:** Touch the size (in pixels) of the pictures you take.
- **Picture quality:** Touch the quality of the pictures you take.
- **Color effect:** Touch a special effect for your shots, such as monochrome, sepia tone, or negative.
- **Restore to defaults:** Touch to restore all of Camera's settings to their default values.
- Store location: Check to include the location of each picture you take, using the phone's GPS.

Location stored with photo

Location not stored with photo

- White balance: Touch to select how Camera adjusts colors in different kinds of light, to achieve the most natural-looking colors for your shots. Or allow Camera to adjust the white balance automatically.
    - Automatic
    - Incandescent
    - Daylight
    - Fluorescent
    - Cloudy
- Flash mode: Touch to set whether Camera relies on its light meter to decide whether a flash is necessary, or to turn it on or off for all shots.
    - Automatic
    - On
    - Off

1X Zoom: Touch to zoom from 1x to 2x.

Video mode settings

As in Camera mode, Video mode settings are displayed on screen.

Settings Touch to open a scrolling list of settings:

- **Color effect:** Touch a special effect for your videos, such as monochrome, sepiatone, or negative.
- **Restore to defaults:** Touch to restore all of Camera's settings to their default values.
- **White balance**: Touch to select how Camera adjusts colors in different kinds of light, to achieve the most natural-looking colors for your shots. Or allow camera to adjust the white balance automatically.
  - Automatic
  - Incandescent
  - Daylight
  - Fluorescent
  - Cloudy
- Flash mode: Touch to illuminate your video by turning on the flash lamp.
  - On
  - Off
- Video quality: Touch the video quality and maximum length combination appropriate for viewing on a computer or for sharing with others via Messaging or YouTube:
  - **High (30M)**
  - **Low (30M)**
  - **mms (IOW, 30S)**
  - **Youtube (HIGH, 10M)**

Gallery

You use Gallery to view pictures and play videos that you've taken with Camera, downloaded, or copied onto your SD card. You can also view pictures in a Picasa web album. You can perform basic editing tasks on pictures and set them as your wallpaper or contact picture. You can also share your pictures and videos with friends, via email or messaging, or by uploading them to the Picasa and YouTube web sites.

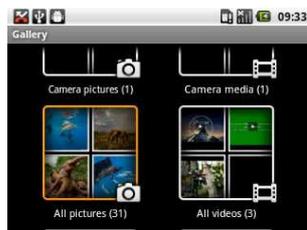## Opening Gallery and viewing your albums

To open Gallery and view your albums

- Touch the Gallery icon in the Launcher or on the Home screen. Open Gallery from Camera by touching the thumbnail image at the top right.

- Open Gallery from Camera by pressing [icon] and touching **Gallery**.

Gallery presents the pictures and videos on your SD card, including those you've taken with Camera and those you downloaded from the web or other locations.

If you have a Picasa account associated with a Google Account that you've added to your phone, and if you have configured it to sync with Picasa, Gallery also presents your Picasa web albums.

If you have a great many pictures or videos on your SD card or in Picasa web albums, it may take Gallery a few minutes when you open it to discover and organize them.

- Touch an album to open it and view its contents.

The pictures and videos in the album are displayed in chronological order.

- Peek into an album stack by touching it with two fingers and spreading them apart.
- Touch a picture or video in an album to view it.
- Return to the main Gallery screen at any time by touching its icon at the top left of the screen.

Working with albums

Albums are groups of images and videos in folders on your SD card or in Picasa web albums.

To open an album and view its contents

- Open Gallery and touch the album whose contents you want to view.

Albums open displaying the pictures and videos they contain in a chronologically ordered grid. The name of the album is shown at the top of the screen. You can touch a picture or video to view it.

- Touch an arrow in the scroll tool at the bottom of the screen to scroll images a screen at a time.
- Drag the scroll tool to the left or right to scroll more or less quickly. The date of the images in view is displayed, so you can scroll by date.
- You can also scroll through an album by swiping left or right.

To change how the contents of an album are displayed

You can view the images and videos in your albums in a chronological grid or in stacks, sorted by the date and the location where they were taken. You switch album views with the Album View switch at the top right of the screen.

- Drag the Album View switch to the right to view the contents of the album in stacks.
- Drag the Album View switch to the left to view the album contents in a chronological grid again.

To work with batches of pictures or videos

In addition to working with whole albums and with individual pictures, you can select one or more pictures or videos in an album to work on them in batches—for example, to send a few pictures from an album to a friend.

- Open the album to view the pictures and videos to work with.

- Press ⊞ twice.

- Check or uncheck the items you want to work with.

You can uncheck all items you've checked by touching **Deselect all** at the top right of the window.

- Use the controls at the bottom of the screen to act on the checked items.

The controls available depend on the mix of items you've selected.

To share an album

You can share the entire contents of one or more albums. You can also share individual images or videos from an album..

- Open the main Gallery window.

- Press ⊞ twice.

- Check or uncheck the albums you want to share.
- Touch **Share** at the bottom of the screen. In the menu that opens, touch the application to use to share the selected albums.

The application that you selected opens with the pictures from the selected albums or links, attached to a new message. For information about addressing and sending the message, see the section on that application.

Important If you are sharing an album via Gmail, do not delete the original of an attachment before the message is completely sent (that is, it has the Sent label, not the Outbox label), or the attachment will not be sent.

To get details about an album
- Open the main Gallery window.

- Press ⊞ twice.

- Check or uncheck the albums you want to want details about.
- Touch **More** at the bottom of the screen. In the menu that opens, touch **Details**.

To delete an album
You can delete an album and its contents from your SD card.
- Open the main Gallery window.

- Press ⊞ twice.

- Check or uncheck the albums you want to delete.
- Touch **Delete** at the bottom of the screen. In the dialog that opens, touch **Confirm Delete**.

Working with pictures

Use Gallery to view pictures that you've taken with Camera, downloaded, copied onto your SD card, or that are stored in Picasa web albums. You can also edit the pictures on your SD card and share them with friends.

To view and browse pictures
- Open a Gallery album and touch a picture.

- Turn the phone to view the picture in upright (portrait) or sideways (landscape) orientation.

The picture is displayed (but not saved) in the new orientation.

- Touch the picture to view the Zoom and other controls.
- Touch a Zoom icon, double-tap the screen, or pinch two fingers together or spread them apart to zoom in or out.
- When the picture is zoomed in, drag the picture to view parts that are not in view.
- When the picture is zoomed to fit in the window, drag left or right to view the next or previous picture in the album.

To watch a slideshow of your pictures

- Touch a picture to view the controls and touch **Slideshow.**
- Touch a picture to end the slideshow.

To rotate a picture

- Touch a picture to view the controls and touch .

- Touch **More**.

A menu opens with tools for working with the picture.

- Touch **Rotate left** or **Rotate right**.

The picture is saved with the new orientation.

To use a picture as a contact icon or as Home screen wallpaper

- Touch the picture to view the controls and touch .

- Touch **More**.
- Touch **Set as**.

If you touch **Contact icon**, you're prompted to select the contact to associate with the picture and then crop the picture.

If you touch **Wallpaper**, you're prompted to crop the picture.

To crop a picture

You can save a zoomed-in portion of a picture by cropping it. You can only crop pictures that are on your SD card (not those, for example, in a Picasa web album).

- Touch a picture to view the controls and touch .

- Touch **More**.
- Touch **Crop**.

The cropping rectangle appears on top of the picture.

- Use the cropping tool to select the portion of the picture to crop.

Drag from the inside of the cropping tool to move it.

Drag an edge of the cropping tool to resize it to any proportion.

Drag a corner of the cropping tool to resize it with fixed proportions.

- Touch **Save** to save a copy of the picture as you cropped it.

The original uncropped version remains on your SD card.

To get details about a picture

- Touch the picture to view the controls and touch .

- Touch **More**.
- Touch **Details**.

To view the location of a picture in Google Maps

If you have configured Camera to save location data with your pictures you can view the location where you took the picture in Google Maps.

- Touch a picture to view the controls and touch .

- Touch **More**.
- Touch **Show on map**.

Google Maps opens, centered on the location stored in the picture.

To share a picture

You can share a picture by sending it to friends or posting it in a Picasa web album.

- Touch a picture to view the controls and touch **More**.
- Touch **Share**.
- In the menu that opens, touch the application to use to share the selected picture.

The application you selected opens with the picture (or a link) attached to a new message. For information about addressing and sending the message, see the section about that application.

Important If you are sharing a picture via Gmail, do not delete the original picture before the message is completely sent (that is, it has the Sent label, not the Outbox label), or the attached picture will not be sent.

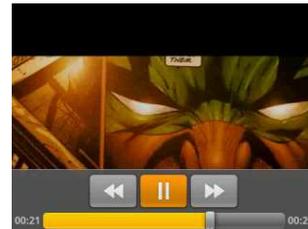## To delete a picture

You can delete a picture from your SD card.

- Touch a picture to view the controls and touch ⊞.
- Touch **Delete**.
- Touch **OK** in the dialog that opens.

Working with videos

Use Gallery to play videos that you've taken with Camera and to share them.

To play videos

- Open a Gallery album and touch a video.

The video plays, with the orientation (portrait or landscape) you shot it in.

- Touch the video to view the playback controls.

To share a video

You can share a video by sending it in an email or with a multimedia (MMS) message. MMS messages have size limits, typically 3MB, or approximately 1 minute of high quality video or 2 minutes of low-quality video. You can also share a video by uploading it to the YouTube web site.

- While viewing an album, press ⊞ twice.

- Check the videos or pictures to share.
- Touch **Share.**
- In the menu that opens, touch the application to use to share the selected videos.

The application you selected opens with the video attached to a new message.

If you selected YouTube, you're prompted to enter details about the video to upload.

For more information, see the section on that application.

Important If you are sharing one or more videos via Gmail, do not delete the originals before the message is completely sent (that is, it has the Sent label, not the Outbox label), or the attached videos will not be sent.

To delete a video

- While viewing an album, press ⊞ twice.

- Check the videos or pictures to delete.
- Touch **Delete**.

- Touch **Confirm Delete**.

Music

You use Music to organize and listen to music and other audio files that you transfer to your SD card from your computer.

Transferring music files to your phone

Music plays audio files that are stored on your phone's SD card, so before you open Music, you must copy audio files from your computer onto the SD card. Music supports a wide variety of audio file formats, so it can play music that you purchase from online stores, music that you copy from your CD collection, and so on. Music supports audio files in numerous formats, including MP3, M4A (iTunes application AAC, DRM-free), AMR , MIDI, and OGG Vorbis.

To copy music files onto the phone's SD card

- Connect the phone to your computer with a USB cable and mount the SD card.
- To organize your audio files, you can use the computer to create a music folder at the top level of the SD card.
- Use the computer to copy music and other audio files into the folder that you created on the SD card.

You can use subfolders on the SD card to organize your music files. Or you can simply copy the audio files to the top level of the SD card.

If the music files have accompanying artwork in JPEG format, rename the art file albumart.jpg and include it in the same folder as the music files.

- If you have created any playlists, create a subfolder for them in your music folder on the SD card and copy the playlists into it.
- Unmount the SD card from the computer and disconnect the phone.

Note To prevent damage to the files on your SD card, follow your computer's instructions and the instructions in "Connecting to a computer via USB".

Opening Music and working with your library

After you've copied some music onto your SD card, as described in "Transferring music files to your phone", or downloaded music from another source, you can open Music and see your library of music files, sorted in one of four ways.
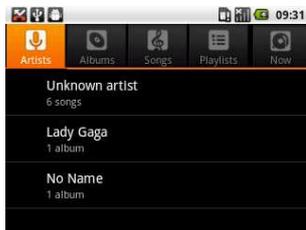
To open Music and view your music library

● Touch the Music icon in the Launcher or on the Home screen.

When you copy music to your SD card, Music searches the card for music files and builds a catalog of your music, based on information about each file that is stored in the file itself. This can take from a few seconds to several minutes, depending on how many files you have copied onto the SD card.

When the catalog is complete, the Music library screen opens, with tabs that you can touch to view your music library organized by Artists, Albums, Songs, or Playlists.

You can return to the main Library screen from most other screens in the Music

application by pressing and touching **Library**.

You can return to the main Library screen from most other screens in the Music

application by pressing and touching **Library**.

To search for music in your library

● Open the main Library screen and press the Search button.

● Start typing the name of the artist, album, or track you're looking for.

Matching songs are displayed in the list below the search box.

● Touch a matching song to play it. Or touch a matching album or artist to view a list of associated songs.

To delete a song from the SD card

You can delete music from the storage card.

● Touch & hold a song in a library list. In the menu that opens, touch **Delete.**

● On the Playback screen, press and touch **Delete.**

When your phone is connected to a computer, you can also delete music files from the SD card, as described in "Transferring music files to your phone".
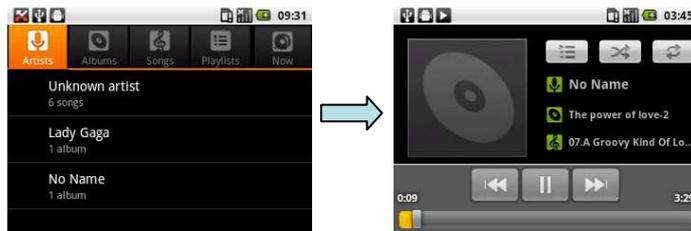
Playing music

You can listen to music by using the phone's built-in speaker, through a wired

headset, or through a wireless Bluetooth stereo headset that supports the A2DP profile.

To play music
- Touch a song in your library to listen to it.

- While viewing a list of tracks in an album, press ⬛ and touch **Play all**.

The Playback screen opens and the song you touched or the first song in the album or other playlist starts to play. The tracks in the current playlist play in order until you reach the end of the playlist (unless you choose a repeat option). Otherwise, playback stops only if you stop it, even when you switch applications or receive a phone call.
You can return to the Playback screen from most other screens in the Music

application by pressing ⬛ and touching **Playback.**

You can return to the Playback screen from any other application by opening the Notifications panel and touching the ongoing music notification.

To control playback
The Playback screen contains several icons that you can touch to control the playback of songs, albums, and playlists:

❚❚	Touch to pause playback.
▶	Touch to resume playback.
⏭	Touch to skip to the next track in the album, playlist, or shuffle.
⏮	Touch to skip to the previous track in the album, playlist, or shuffle.
☰	Touch to open the current playlist.
✖	Touch to play the current playlist in shuffle mode (tracks are played in random order).
↻	Touch to toggle repeat mode: Don't repeat, Repeat the playlist, or Repeat the current track

To control playback volume
In addition to the techniques for setting media volume described in "Sound settings", you can control the volume of music in the Music application.

- Press the phone's Volume Up/Down button.

A panel opens to show the current media volume; the indicator moves as you adjust the volume. Some headsets include their own volume controls or ways to pause and resume playback or to switch tracks.

To play your tracks in a party shuffle

When you turn on Party Shuffle, Music plays tracks from your SD card in random order, until you turn Party Shuffle off.

- In the Playback or a Library screen, press ⊞ and touch **Party shuffle.**

Music creates a current playlist of a dozen tracks selected randomly from your SD card and starts playing them. When it finishes playing the first dozen tracks, it adds another dozen and keeps playing.

- View the current playlist that Party Shuffle is playing by touching the Playlist icon on the Playback screen.
- Add a track to the end of the Party Shuffle playlist by touching & holding the name of a track in your library. In the menu that opens, touch **Add to playlist** and then **Current playlist.**

The track is added to the end of the Party Shuffle playlist.

- Stop Party Shuffle by pressing ⊞ and touching **Party shuffle off**.

To use a song as a ringtone

You can use a song as your phone ringtone, in place of one of the ringtones that come ith the phone.

- Touch & hold a song in a library list. In the menu that opens, touch **Use as phone ringtone.**

- On the Playback screen, press ⊞ and touch **Use ringtone.**

Working with playlists

You can create playlists to organize your music files into sets of songs, which you can lay in the order you set or in a shuffle.

To create a playlist

- When viewing a list of songs in the library, touch & hold the first song you want to add to the new playlist.
- Touch **Add to playlist**.

- Touch **New**.
- Enter a name and touch **Save**.

The new playlist is added to the Playlist library.

You can also add the song that is playing in the Playback screen as the first

song in a playlist by pressing ⊞ and touching **Add to playlist**. Or touch

Save as playlist to save all the songs in an album that you're playing as a playlist.

To add a song to a playlist

- While viewing a list of tracks in the Library, touch & hold a song to add it to a playlist.
- Touch **Add to playlist**.
- Touch the name of the playlist to add the song to.

The song is added to the playlist.

You can also add the song that is playing in the Playback screen to a playlist by

pressing ⊞ and touching **Add to playlist**.

To rearrange songs in a playlist

- Open a playlist by touching it in the Playlist library.

You can also open the currently playing playlist by touching the Playlist icon in the Playback window.

- Drag a song up or down to change its order in the playlist.

To remove a song from a playlist

- Open a playlist.

- Touch & hold a song and then touch **Remove from playlist**. Or press ⊞

  and touch **Clear playlist** to remove all the songs from the playlist.

The song isn't deleted from the SD card or other playlists; it's removed only from the playlist you're working with.

To rename or delete a playlist

- Open the Playlist library.
- Touch & hold a playlist. In the menu that opens, touch **Rename** or **Delete**.

You can't delete or rename the Recently Added playlist. o songs are harmed by deleting a playlist.

FM radio

To listen to the FM radio, you must connect the supplied headset, which serves as the radio antenna.

Listen to the FM radio
- Plug the wired headset into the device.
- In **Home** screen, open the application list and select **FM radio**.
- Select ⏻ to turn on the FM radio. Press ⏮ ⏭ scans available stations.

- Control the FM radio with those keys:

1	Press radio icon to save station
2	Show signal status
3	FM station sound recorder
4	Silent mode of FM radio
5	Search for an radio station save to list
6	Change the frequency by 100 MHz.
7	Change the frequency by 100 MHz.
8	Search for an radio station save to list
9	Power on/off FM radio
10	Change the frequency by scrolling left or right on the scale bar.
11	Show frequency station number.
12	Show FM audio sound output status.

Add a radio station to the favorite list

- Plug the supplied headset into the device.
- In Home screen, open the application list and select **FM radio**.
- Select to turn on the FM radio.
- Scroll to the radio station you want.
- Long press screen "Frequency Number" or radio icon on screen to add station to the favorite list.

FM radio station sound recorder

- Press to star recording FM station, press again to stop.
- You can find the FM radio recording in "Music Playlists".

Customize FM radio settings

- In Home screen, open the application list and select **FM radio**.
- Press select **Settings**.
- Adjust the following settings to customize FM radio:

Option	Function
Audio mode	Touch to select audio mode
Audio path	Touch to select audio path
RDS mode	Select specify RDS mode
Enable AF	Enable/disable to set whether or not the FM radio attempts to retune a radio station when the signal is weak.
Advanced Settings	Select the option about region, scan step, live polling and polling interval

Personal information

Contacts

Contacts give you quick and easy access to the people you want to reach. When you first turn on your phone and sign into your Google Account any existing Google contacts are downloaded to your phone.
After that, your contacts are synchronized: any changes you make to your contacts on the phone or the web are made in both places the next time you sync. Contacts from Exchange ActiveSync accounts are also synced in this way. Information about your contacts is shared with other applications, such a Gmail, Google Talk, Messaging, Gallery (for sharing photos and videos), and so on. If you have more than one account with contact information, Contacts joins duplicates into a single entry. You can also manage that process manually.

Opening your contacts

Open Contacts to add, view, and communicate with your friends and acquaintances.

To open your contacts
● Touch the Contacts icon on the Home screen or in the Launcher.
All of your contacts are displayed alphabetically in a scrolling list. Each contact is followed by the default phone number. If you have a new phone and haven't added any contacts yet, Contacts displays a message with hints on how to start adding contacts to your phone.

You can drag the list up or down to scroll it, or slide your finger up or down to scroll quickly. Either way, a tab briefly appears to the right of the list, which you can drag up and down to scroll very quickly, while displaying the letter of the alphabet for the contacts you're scrolling past.

To open a list of your favorite contacts
● Open your contacts and touch the **Favorites** tab.
The Favorites tab lists the contacts you've added to the list followed by a list of your most frequently called contacts.

To view details about a contact

● Open your contacts and Touch the contact whose details you want to view. Entries for communicating with the contact are followed by details.

Touch a communication method to start dialing, texting, or emailing the contact by using the listed number, address, and so on.

Touch an address to view it on Google Maps. You can also press [⊞] and touch **Edit contact** to edit the contact's information, or touch **Delete contact** to delete all information about the contact.

Adding contacts

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

When you reply to or forward an email message to an email address that is not in Contacts, the email address is added as a contact. Contacts try to join new addresses with existing contacts, to create a single entry. You can also manage that process manually.

To add a new contact

● Open your contacts.

● Press [⊞] and touch **New contact**.

● If you have more than one account with contacts, touch the account to which you want to add the contact.

● Enter the contact's name.

● Touch a category of contact information, such as phone numbers and email addresses, to enter that kind of information about your contact. Scroll the page to view all categories.

● Touch a category's plus button to add more than one entry for that category— for example, to add both work and home numbers. Touch the button to the left of the item of contact information to open a menu with preset labels, such as **Mobile** and **Work** for a phone number, or touch **Custom** in the menu to create your own label.

● Touch the Picture Frame icon to select a picture to display next to the name in your lists of contacts and in other applications.

● When you're finished, touch **Done**.

Importing, exporting, and sharing contacts

If you have contacts stored in vCard format on an SD card or SIM, you can import them into Contacts on your phone. You can export contacts in vCard format onto an SD card, to back them up to a computer or other device. And you can send a contact via email.

To import contacts from your SIM card

Your service provider may store some contacts on your SIM card, such as customer care and voicemail numbers. You may also have stored contacts on the SIM card if you're moving it from another phone. You can add some or all of these contacts to the Contacts application.

- Open your contacts.

- Press ⬚ and touch **Import/Export**.

- Touch **Import from SIM**.
- If you have more than one account on your phone, touch the account into which you want to import the contacts. A list of the contacts on the SIM appears.

Touch & hold a contact and touch **Import** in the menu that opens. Or press

⬚ and touch **Import all**.

To import contacts from your SD card

You can copy individual or group contacts in vCard format onto your SD card and then import them into one of your accounts on the phone. You may also have contacts stored on an SD card from another device. Refer to your phone's owners' guide for details about working with SD cards.

- Open your contacts.

- Press ⬚ and touch **Import/Export**.

- Touch **Import from SD card**.
- If you have more than one account on your phone, touch the account into which you want to import the contacts.
- If you have more than one vCard file on the SD card, touch the option to import a single contact file, multiple contact files, or all of the contact files on the SD card. The contacts are imported.

To export contacts to your SD card

You can export all of the contacts on your phone to your SD card, as a group vCard file. You can then copy this file to a computer or another device that can work with files in this format, such as an address book application.

- Open your contacts.

- Press ⊞ and touch **Import/Export**.

- Touch **Export to SD card**.
- Touch **OK** to confirm.

Contacts create a file with the .vcf extension on your SD card. This file contains all of your contacts.

To share a contact

You can share a contact with someone by emailing it to them in vCard format.

- Open Contacts.
- Open the contact you want to share.

- Press ⊞ and touch **Share**.

A Gmail compose message screen opens, with the contact attached as a vCard (.vcf) file.

Adding a contact to your favorites

The Favorites tab contains the contacts you've starred as favorites followed by the short list of the contacts you communicate with most frequently. Contacts you add to your favorites are also added to the Starred in Android group in Contacts on the web.

To add a contact to your favorites

- Open your contacts.
- Touch a contact to view its details.
- Touch the star to the right of the contact's name.

The star turns gold.

To remove a contact from your favorites list

- Open your contacts and touch the **Favorites** tab.
- Touch a contact to view its details.
- Touch the gold star to the right of the contact's name.

The star turns gray and the contact is removed from your favorites.

Searching for a contact

You can search for a contact by name.
- To search for a contact
- Open your contacts.
- Press the Search button .
- Start entering the name of the contact you're searching for. As you type, contacts with matching names appear below the search box.
- Touch a matching contact in the list to open its Details screen. Or touch the Magnifying Glass icon to open a screen with a list of matching contacts.

Editing contact details

You can change or add details about your contacts. You can also set the ringtone for when a specific contact calls, or divert all calls from a contact to your voicemail.

Some contact entries contain information from multiple sources: information that you added manually, information that Contacts joined from multiple accounts to consolidate duplicates, and so on. When you edit a contact entry, the information from each source is grouped in its own color-coded, labeled section. If you find duplicate entries in Contacts, you can join them into a single entry. If you that find information from unrelated contacts was joined in error, you can separate them.

Changes that you make to information from one source do not affect the information from other sources. For example, if you have information about a contact from a Google Account and an Exchange ActiveSync account and both are configured to sync contacts, edits to the information from the Google Account are synced to that account on the web, but the information from the Exchange ActiveSync account remains unchanged.

To edit contact details
- Open your contacts or favorites.
- Touch & hold the contact whose details you want to edit; In the menu that opens, touch **Edit contact**.

- You can also press and touch **Edit contact** while viewing a contact's details.
- Edit the contact information, using the same controls as when you create a contact.

- Touch **Done**.

To change a contact's default phone number

A default phone number appears below the contact's name in the Contacts list.
The default phone number is used when you initiate a call or send a text
message from the list by touching & holding a contact.

- Open your contacts or favorites.
- Touch the name of a contact in the list to view its details.
- Touch & hold the phone number to use as the contact's default phone
  number.
- Touch **Make default number** in the menu that opens.

The default phone number is marked with a checkmark .

To divert all of a contact's calls to your voicemail

- Open your contacts or favorites.
- Touch the name of a contact in the list to view its details.
- Press ⊞ and touch **Options**.
- Check **Incoming calls**.
- Press **Back** .

When this contact calls you, your phone doesn't ring and the caller is sent
directly to your voicemail.

To set a ringtone for a contact

- Open your contacts or favorites.
- Touch the name of a contact in the list to view its details.
- Press ⊞ and touch **Options**.
- In the scrolling list of ringtones that opens, touch the one to play when the
  contact calls. The ringtone plays a sample.
- Touch **OK**.

To delete a contact

- Open your contacts or favorites.
- Touch the name of a contact in the list to view its details.
- Press ⊞ and touch **Delete contact**.

If you delete a contact from Google Contacts (or another account with editable

contacts), the contact is also deleted from Contacts on the web the next time you sync your phone.

You can't delete contacts from a read-only account, such as Facebook. Instead, a dialog informs you that the contact will be hidden. To restore hidden contacts from a read-only account, you must delete that account from your phone and then add it again.

If the contact contains information from both editable accounts (such as Contacts) and from a read-only account (such as Facebook), a dialog informs you that the information from the read-only account will be hidden, not deleted.

● Touch **OK** to confirm that you want to delete the contact.

Calendar

Calendar on the phone works with the web-based Google Calendar calendaring service for creating and managing events, meetings, and appointments. It also works with the Microsoft Exchange ActiveSync calendaring service.

Calendar on the phone is optimized for the phone. Some Calendar features, such as creating Calendars, are only available in Google Calendar on the web.

To open Calendar

● Touch the Calendar icon on the Home screen or in the Launcher.

Events from each account you've added to your phone and configured to synchronize calendars is displayed in Calendar. Events from each calendar are displayed in a different color.

To change your calendar view

● Press [ ] and touch **Agenda, Day, Week, or Month.**

Each view displays the events in your calendar for the period of time that you specify.

● To view more information about an event in Agenda view, touch the event.

● To view the events of a day in Month view, touch a day.

You can also use the Navigation key to quickly select events in Agenda, Day, or Week view, and to select days in Month view. Press the Navigation key for more information about the selected event or day.

Viewing event details

You can view more information about an event in a number of ways, expending

on the current view.

To view information about an event

- In Agenda, Day, or Week view, touch an event to view its details.
- In Month view, touch a day to switch to Day view. Then touch an event to view its details.

You can set or change whether you will attend the event by using the **Attending** menu.

Other attendees' status is displayed below your own.

You change any event reminders or touch the plus button to add one.

If you have permission to change events, you can press [⊞] to edit or delete the event.

Creating an event

You can use Calendar on your phone to create events that appear on your phone and in Google Calendar on the web.

To create an event

- In any Calendar view, press [⊞] and touch **New event** to open an Event details screen for a new event.

You can also touch & hold a spot in Day, Week, or Month view. In the menu that opens, touch **New event** to open the Event details screen with that day and timealready entered.

- Add details about the event.

Enter a name, time, and optional additional details about the event.

If you have more than one calendar, you can choose the calendar to which to add the event. Touch the plus button to add more reminders.

- Invite guests to the event.

In the Guests field, enter the email addresses of everyone you want to invite to the event. Separate multiple addresses with commas (,). If the people to whom you send invitations use Google Calendar, they'll receive an invitation in Calendar and by email.

- Press [⊞] and touch **Show extra options** to add details about the event.

- Scroll to the bottom of the Event details screen and touch **Done**.

The event is added to your calendar.

Editing or deleting an event

You can an edit or delete an event that you created on the phone or on the web. You can also edit or delete events created by others, if they have given you permission.

To edit an event

- Open the summary of the event.

- Press ⊞ and touch **Edit event**. The Event Details screen opens. Press

  ⊞ and touch **Show extra options** to add or edit event details.

- Make your changes to the event.
- Scroll to the bottom of the screen and touch **Done**.

To delete an event

There are a number of ways to delete an event.

- In Agenda view, touch an event to view its details. Then press ⊞ and

  touch **Delete**.
- In Day or Week view, touch & hold the event and touch **Delete** in the menu that opens.
- When editing an event, scroll to the bottom of the Event Details screen and touch **Delete**.

If the event repeats, you're asked whether you want to delete just that occurrence, this and all future occurrences, or all past and future occurrences in your Calendar.

Setting an event reminder

You can set one or more reminders for an event, whether or not you created the event or have permission to edit its other details.

To set an event reminder

- Open the event summary.
- If you already have a reminder set, touch the Plus button to add a reminder.

A new reminder is added, for 10 minutes before the event.

- Touch the reminder time, and in the dialog that opens touch the length of

time before the event that you want to be reminded of it.

When the time comes, you receive a notification about the event. You can use Google Calendar on the web to configure additional reminder settings.

To delete an event reminder

- Open the event summary.
- Touch the reminder's Minus button .

Responding to an event reminder

If you set a reminder for an event, the Upcoming Event icon appears in the Notifications area of the Status bar when the reminder time arrives.

To respond to an event reminder

- If you receive notifications in the Status bar, drag the Status bar down to open the Notifications panel. Then touch the event notification to open the list of Calendar notifications.
- If you receive notifications with alerts, the Calendar notifications list opens, listing all notifications awaiting your response.
- Touch an event in the Calendar Notifications list to view more information about that event.
- Touch **Snooze all** in the Calendar Notifications list to turn off all event reminders for 5 minutes.
- Touch **Dismiss all** in the Calendar Notifications list to delete all reminders in the list.
- Press **Back** when viewing the Calendar Notifications list to keep the reminders pending. The icon remains in the Status bar and the reminders remain in the Notifications panel.

Changing Calendar settings

You can change the following settings for how Calendar displays event and how it notifies you of upcoming events.

- To change Calendar settings, open a Calendar view, press , and touch

  More > Settings.

Hide declined events Check if you don't want to see events to which you've declined invitations. Set alerts & notifications Opens a dialog where you can configure event reminders to open an alert, send you a notification, or turn off event notifications on your phone.

- Select ringtone: Opens a dialog where you can select the ringtone to sound when you receive an event reminder.
- Vibrate: Opens a dialog where you can configure the phone to vibrate whenever you receive an event reminder, only when the phone is in Silent mode, or never.
- Default reminder time: Opens a dialog where you can select the default time before an event for event reminders.
- Build version: The version of Calendar you are using.

Web

Browser

You use Browser to view webpages and to search for information on the web.

Opening Browser

Open Browser to surf the web. Some websites have two versions: full-size for computer-based web browsers and another for mobile devices. They may also allow you to switch back and forth. Full-size sites are often harder to navigate on a mobile browser than sites designed for use on mobile devices.

To open Browser
- Touch the Browser application icon in the Launcher or on the Home screen. Browser also opens when you touch a web link—for example, in an email or text message. When you open Browser, the last webpage you were viewing is displayed. If you have not used Browser recently, your home page opens.
The URL of the current page is displayed at the top of the window, unless a mobile site scrolls the URL bar off the top of the screen (if so, just drag the page down to bring the URL bar into view).

To go to a webpage
- Touch the URL box at the top of the Browser screen.
If the URL box isn't visible, drag the page down until the URL box comes into view.
- Enter the address (URL) of the webpage.
As you enter the address, Google web search makes suggestions of web pages and queries. Or touch the Microphone icon to search by voice.

● Touch a suggestion or enter an address and touch the arrow icon.

If you touch a suggested page or enter an address and touch the arrow icon that webpage opens. If you touch a suggested query, Google web search opens with the results.

To refresh the current page

● Press ⬚ and touch **Refresh**.

The webpage is reloaded, updating any content that has changed.

To stop opening a page

If a webpage is taking a long time to open, or if you change your mind, you can stop itfrom opening.

● Touch the Cancel icon to the right of the URL.

● Press ⬚ and touch **Stop**.

To get more information about the current page

● Press ⬚ and touch **More, Page Info.**

A dialog opens with the page's title and full address (URL).

To set your home page

Your home page opens when you open a new Browser window, and when you start Browser after restarting your phone or after not using it for a while.

● Browse to the page you want to set as your home page.

● Press ⬚ and touch **More** > **Settings** > **Set home page**.

● Touch Use current page. Or enter a different page's address (URL).
● Touch **OK**

If you prefer to open new Browser windows without opening a webpage by default, leave this field blank. This can make new Browser windows open more quickly.

Downloading files

You can download files and even applications from webpages. The files that you download are stored on your SD card.

To allow installing applications from the web or email

By default, your phone is configured to prevent you from installing applications that you download from the web or receive with an email message.

Note Applications downloaded from the web can be from unknown sources. To protect your phone and personal data, download applications only from trusted sources, such as Android Market.

- Press **Home**, then press ⌗ and touch **Settings** > **Applications**.
- Check **Unknown sources**.
- Touch **OK** in the dialog, to confirm you want to allow downloading applications from sources other than Market.

To download a file

Different webpages offer different mechanisms for downloading pictures, documents, applications, and other files.

- Touch & hold an image or a link to a file or to another webpage. In the menu that opens, touch **Save**.

If the file is in a format supported by an application on the phone, it is downloaded to your SD card.

To cancel a download

If you change your mind about downloading a file, or start downloading one by accident, you can cancel the download in progress.

- Press ⌗ and touch **More** > **Downloads**.
- Touch & hold an item in the list and in the menu that opens, touch **Cancel download**. Or press ⌗ again and touch **Cancel all downloads**.

To view the files you've downloaded

- Press ⌗ and touch **More > Downloads**.

The files you've downloaded are listed in order. Touch a file to open it.

To delete a file you've downloaded

- Press ⌗ and touch **More > Downloads.**

The files you've downloaded are listed in order.

- Touch & hold the file you want to delete from your SD card.
- Touch **Delete**.
- Touch **OK**.

The file is permanently deleted from the SD card.You can also delete and perform other tasks with the files on your SD card when you connect your phone to a computer using the USB cable that came with your phone.

Changing Browser settings

You can configure a number of Browser settings, including several that you can use to manage your privacy. To open the Browser settings screen, press ⊞ and touch **More > Settings.**

Page content settings

- Text size: Opens a dialog where you can increase or decrease the size of the text that Browser uses when displaying webpages.
- Default zoom: Opens a dialog where you can increase or decrease the magnification level that Browser uses when first opening a webpage.
- Open pages in overview: Uncheck to open webpages displaying their top-left corners at 100% size. Check to open webpages zoomed out, in an overview.
- Text encoding: Opens a dialog where you can change the character-encoding standard that Browser uses when displaying text on a webpage.
- Block pop-up windows: Check to prevent websites from opening windows unless you request it.
- Load images: Uncheck to omit images when Browser displays a webpage. This speeds webpage display, which can be useful if you have a slow connection, but many websites make little sense with text alone.
- Auto-fit pages: Check to have Browser optimize the presentation of text and other elements of webpages to fit your phone's screen. Checking this option also causes the browser to reflow a column of text to fit the screen if you double-tap the screen directly after zooming with your fingers. Uncheck to view pages as designed for a computer screen, and to cause double-tapping to simply switch between zoomed-in and default view.
- Landscape-only display: Check to display pages in landscape (horizontal) orientation on your screen, regardless of how you are holding the phone.
- Enable JavaScript: Uncheck to prevent JavaScript from running on

webpages.

- Many webpages function correctly only if they can run JavaScript features on yourphone.
- Enable plug-ins: Uncheck to disable plug-ins from webpages.
- Open in background: Check to open new windows in the background when you touch & hold a link and touch **Open in new window**. This is useful when you are working with windows that take a long time to download and display. Press ⊞ touch **Windows**, and then touch the new window to view it. Uncheck if you prefer new windows that you open in this way to open in place of the current window.
- Set home page: Opens a dialog where you can enter the URL of a page that you want to open whenever you open a new Browser window. If you prefer to open new Browser windows more quickly, by not opening any page by default, leave the dialog blank.

Privacy settings

- Clear cache: The browser stores the text and images of the webpages you visit so that they open more quickly when you revisit them. Touch **Clear cache** to delete these temporary files.
- Clear history: The browser keeps track of the webpages you visit, so you can quickly find them and open them again later. Touch **Clear history** to delete this record.
- Accept cookies: Many webpages store, read, and update files called cookies on your phone, for your convenience. For example, some password-protected sites use cookies so you don't have to sign in each time you visit. Other sites use cookies to remember your preferences. Uncheck to prevent webpages from storing cookies on your phone.
- Clear all cookie data: Touch to delete all cookies from your phone.
- Remember form data: Browser remembers what you enter in some form fields on a site and helps you reenter that text the next time you use that form. Uncheck to disable this feature.
- Clear form data: Touch to delete all the information the Browser remembers about what you've entered in forms.
- Enable location: Check to permit websites with location-specific content to ask whether you want to share your location, using your phone's location information. To provide a website with your location, you must also have location sharing enabled in the Settings application.

- Clear location access: Opens a dialog where you can clear the permissions you've granted to websites in the past, to access your location. If those websites want permission to access your location again, you must grant it again.

Security settings
- Remember passwords: Browser can remember your passwords for some webpages that require you to sign in, to make it quicker to sign into those pages onrepeat visits. Uncheck to prevent Browser from storing passwords.
- Clear passwords: Touch to delete any passwords that Browser has stored.
- Show security warnings: Uncheck to prevent Browser from warning you about websites with common security problems, such as outdated or invalid certificates.

Advanced settings
- Website settings: Opens a screen where you can view advanced settings for particular websites.
- Reset to default: Touch to delete all Browser data, including your browsing history, cookies, passwords, and bookmarks, and to restore all the Browser settings to their original values.

Maps

You use Maps to find your current location; to view real-time traffic conditions; to get detailed directions by foot, public transportation, bicycle, or car; and to navigate by using spoken, turn-by-turn driving instructions, using the Google Maps Navigation (beta) service.
You can search on a street map or a satellite image to locate an address or a landmark, and you can view some locations as if you were strolling down the street. If you join Google Latitude, you can view your friends' locations on your maps and share your location and other information with them. Maps does not have information about every location.

Opening Maps and viewing your location
You must turn on location services to use information about your location when navigating and searching in Maps. Then open Maps to view your location.
To use location services with Maps. You must have location services turned on to view your location in Maps and to use your location to find local resources.

- Press Home, press , and touch **Settings** > **Location & security**.

Check the My Location options that you want to use. Check **Use wireless networks** to allow the phone to determine your approximate location by using Wi-Fi and mobile networks. Check **Use GPS satellites** to allow your phone to determine your location to street-level accuracy. (GPS works best when you have a clear view of the sky.)

● Press **Home**, press ⊞ and touch **Settings** > **Privacy**.

Check **Share with Google** to use your location when you search.

To open Maps and view your location
● Touch the Maps icon in the Launcher or on the Home screen. Or touch the Navigation icon to open Maps' navigation feature directly.

● Press ⊞ and touch **My location**.

The map centers on a blue dot that indicates your location. A blue circle around the dot indicates that your actual location is within the circle.

To move the map
● Drag the map with your finger.

To zoom in and out of a map
● Touch the plus or minus side of the **zoom** control.
● Double-tap a location on the map with one finger to zoom in to that location; double-tap with two fingers to zoom out.
● Touch an area with two fingers at once and spread them apart to zoom in; pinch them together to zoom out.
Not all magnification levels are available for all locations.

To clear the map
After you get directions or search on a map, you can clear the markers that such activities draw.

● While viewing a map, press ⊞ and touch **More** > **Clear out**.

Starring a location

You can star a location on a map, to make it easy to spot when you're signed into Google Maps on your phone or on the web. You can also open a list of the locations you've starred, so you can quickly view them on a map.

To star or unstar an location

You can star any location or labeled feature on a map.

- Touch & hold a location or labeled feature on a map.
- Touch the balloon that opens.
- Touch the gray star at the top of the screen to star the location. (Or touch a gold star to unstar that location.)

The star turns gold and a gold star is added to the map at that location.

To view a list of starred items

You can open a list of your starred locations, so you can quickly go to a starred location on the map. The list includes locations you've starred when signed into Maps on the phone or the web.

- While viewing a map, press ⊞ and touch **More > Starred items.**

The list of your starred items and their addresses opens.

- Touch a location in the list to view it on a map.

- Press ⊞ and touch **Refresh** to update the list.

Searching for locations and places

You can search for a location and view it on a map. You can also search for places on the map that you're viewing.

To search for a location

- While viewing a map, press ⊞ and touch **Search**. Or press the Search button.
- In the search box, enter the place you're looking for. You can enter an address, a city, or a type of business or establishment—for example, "museums in San Francisco".

As you enter information, suggestions from your previous searches and from popular searches appear in a list below the search box. You can touch a suggestion to search for it. Suggestions include items from your search history on the phone and on the web.

To learn more about your search history, including how to clear it, see the Maps Help on the web: http://maps.google.com/support

- Touch the search icon.

Markers with letter labels indicate search matches on the map.

You can touch a marker to open a balloon that contains a label. Touch the balloon to open a screen with more information about the location, as well as options for obtaining directions.

Getting directions

Maps can provide directions for travel by foot, public transportation, bicycle, or car. You can add a shortcut to a destination to your Home screen, so that you can simply touch the shortcut to get directions to that location from wherever you are. For example, a shortcut to your home or work makes it easy to get directions there from wherever you travel.

To get directions

● While viewing a map, press ⊞ and touch **Directions**.

Enter a starting point in the first text box and your destination in the second text box. Or touch to open a Menu with options for selecting an address from your Contacts or a point that you touch on a map.

To reverse directions, press ⊞ and touch **Reverse start & end**.

● Touch the icon for car, public transit, bicycling, or walking directions.
● Touch **Go**.

The directions to your destination appear in a list.

You can read the directions or show them on the map.

If you requested driving directions, you can also touch Navigate to get spoken, turn-by-turn directions from Google Maps Navigation, as described in "Navigating with spoken, turn-by-turn directions".

● Press ⊞ for options relevant to the directions you requested, such as reversing directions, routes that avoid freeways or tolls, or to report a problem with the directions to Google.

When you're finished, to clear the map, press ⊞ and touch **More** > **Clear map**.

Finding your friends with Google Latitude

Google Latitude lets you and your friends view each others' locations on maps and share status messages with each other. In Latitude you can also send

messages and emails, make phone calls, and get directions to your friends' locations. Your location is not shared automatically. You must join Latitude and then invite your friends to view your location, or accept invitations from your friends.

To join Latitude

- While viewing a map, press and touch **Join Latitude**.

The first time you join Latitude, you're prompted to accept or reject the Google privacy policy. When you've joined Latitude, the menu item changes to Latitude.

To open Latitude

After you join Latitude, you can open it to find your friends and view their updates.

- While viewing a map, press and touch **Latitude**.

To invite friends to share their locations

After you join Latitude, you can start sharing your location with your friends. Only friends whom you have explicitly invited or accepted can see your location.

1. Open **Latitude**, press , and touch **Add friends**.

2. Touch **Select from contacts** or **Add via email address** in the menu that opens.

If you touched **Select from contacts**, a scrolling list of all your contacts opens. Check al of the contacts you want to invite.

If you touched **Add via email address**, you can enter one or more email addresses, separated by commas, for the friends you want to invite.

3. Touch **Add friends** at the bottom of the screen.

If your friends already use Latitude, they receive an email request and a notification on Latitude. If they have not yet joined Latitude, they receive an email inviting them to sign into Latitude with their Google Account.

To respond to an invitation

When a friend invites you to share your location in Latitude, you can respond in the following ways:

- Accept and share back: You and your friend can see each other's locations.
- Accept, but hide my location: You can see your friend's location, but they

can't see yours.

- Don't accept: No location information is shared between you and your friend.

To view your friends' locations

You can view your friends' locations on a map or in a list.

When you open Maps, your friends' locations are shown. Each friend is represented by their picture (from Contacts) with an arrow pointing to their approximate location. If a friend has chosen to share city-level locations, their picture does not have an arrow and appears in the middle of the city.

If your friends use Google Talk, their online status (Available, Busy, and so on) is indicated by a circular icon below their pictures.

To see a friend's profile and connect, touch the photo. Your friend's name appears in a balloon. Touch the balloon to open a screen with details about your friend and many connection options.

When you open Latitude you see a list of your Latitude friends, with a summary of their last known locations, status, and so on. Touch a friend in the list to open a screen with details about the friend and many connection options.

To connect with and manage connections with your friends

Touch a friend's contact details balloon in Map view or touch a friend in List view to open the friend's profile. In the Profile screen, you can communicate with your friend and set privacy options.

- Show on map: Shows the friend's location on the map.
- Chat using Google Talk: Opens a Google Talk chat window with that friend.
- Send email: Opens Gmail with a message addressed to the friend.
- Directions: Gets directions to the friend's location.
- Hide from this friend Stop sharing your location with this friend in Latitude, in a list or on a map. To share your location with this friend again, touch **Unhide from the friend.**
- Share only city level location: Share only the city you are in, not your street-level location. Your friend sees your picture in the middle of the city you are in. To share more precise locations again, touch **Best available location.**
- Remove: Remove the friend from your list and stop sharing locations altogether.

To control what you share

You have control over how and when your friends can find you. Only the last location sent to Latitude is stored with your Google Account. If you turn off Latitude or are hiding, no location is stored.

● Open Latitude, touch your own name, and touch **Edit privacy settings.**

You can set the following privacy options:

● Detect your location: Let Latitude detect and update your location as you move. The update frequency is determined by several factors, such as your phone's battery charge level and how recently your location has changed.

● Set your location: Set the location shared with others as an address you enter; or from Contacts, pick a spot on a map, or resume having Latitude share your actual location.

● Hide your location: Hide your location from all your friends.

● Turn off Latitude: Disable Latitude and stop sharing your location or status. You can always join Latitude again.

YouTube

YouTube is Google's online video streaming service for viewing, searching for, and uploading videos.

Opening YouTube and watching videos

You can browse, search for, view, upload, and rank YouTube videos on your phone with the YouTube application.

To open YouTube

● Touch the YouTube icon in the Launcher or on the Home screen.

YouTube presents videos grouped into categories, such as Most Viewed and Top Rated. You can touch a video to watch it, or touch to learn more about it.

To watch and interact with YouTube videos

● On a YouTube screen, touch a video to play it.

● Touch the video to view the Playback controls.

You can pause, skip forward or backward, or drag the slider to the point in the video you want to watch.

● Touch the HQ icon to change whether you're viewing a high or regular-quality version of the video.

You can set whether videos start in high or normal quality when you're connected to mobile data networks with YouTube settings. See "Changing YouTube settings" .

- Press Back to stop playback and return to the videos list.

- Press ⊞ to turn captions on or off and to rank, read comments, share,
  flag as inappropriate, and interact with the video in other ways.

For details about these features, visit the YouTube web site.

To search for videos

- At the top of the main YouTube screen, touch the Search icon .
- Enter the text to search for, or touch the Microphone icon to search by
  voice.
- Touch a suggestion below the search box or touch the magnifying glass
  icon.
- Scroll through the search results and touch a video to watch it.

To share your videos on YouTube

You can shoot and share a video by using YouTube. First, you must create a
YouTube account and sign into it on your phone.

You can also share the videos you shoot with the Camera application by
uploading them to YouTube.

- At the top of the main YouTube screen, touch the Camera icon .
- Point the lens to frame the scene where you want to start.
- Touch the Shutter button.

The camcorder starts shooting the video. The time remaining to shoot counts
down at the left; when less than a minute is left, the countdown turns red.

- Touch the Shutter button again to stop shooting.

The Upload video screen opens.

- Enter a title for your video.

You can add additional details by touching **More details**.

- Touch **Upload**.

Changing YouTube settings

You can change the following settings for YouTube on your phone.

- To change YouTube settings, return to the YouTube home screen, press

  ⊞ , and touch Settings.

- High quality video on mobile: Check if you prefer to watch videos in high
  quality by default when connected to mobile networks, to reduce startup
  time and data use. This setting has no effect if you are connected to a Wi-Fi

network, where videos always open in high-quality.

- Captions font size: Opens a dialog where you can set the size of text you prefer when viewing captions with your videos.
- Clear search history: Touch to remove record of the results of video searches you've chosen in the past, so they aren't presented as suggestions in future searches for YouTube videos.
- SafeSearch filtering: Opens a dialog where you can set whether you want Google SafeSearch filtering to block some results when you search for videos: Block no search results (off), only explicit or offensive videos (moderate), or both explicit or offensive text and videos (strict).
- Terms of service: Displays the YouTube terms of service.
- Application versio: The version of the YouTube application installed on your phone.

Market

Android Market provides direct access to applications and games to download and install on your phone.

To open Android Market
- Touch the Market icon in the Launcher or on the Home screen.

You can also touch the Market widget to open Market, if you have it on your Home screen.

When you open Android Market for the first time, you must read and accept the terms of service to continue.

To get help with Android Market
The Android Market Help webpages are available from all Android Market screens.

- Press ⊞ and touch **HELP**.

The Browser opens to the Android Market Help page, with links to many help Topics.

To get help with Android Market
The Android Market Help webpages are available from all Android Market screens.

- Press ⊞ and touch **HELP**.

The Browser opens to the Android Market Help page, with links to many help topics.

To browse for applications

You can browse applications by category and sort them in different ways.

● On the Android Market home page, touch a top-level category, such as **Apps** or **Games**.

● Scroll to view subcategories and touch the one you want to explore.

● Touch **Top paid**, **Top free**, or **Just in** to further sort the subcategory

●

To open a screen with details about an application

● At any time while browsing Android Market, touch an application to open a screen with details about it.

Application details screens include a description, ratings, and related information about the application. The Comments tab includes comments from people who have tried the application. You can download and install the application from this screen.

To search for applications

● Touch the Search icon at the top right of the screen or press Search button. Enter what you want to search for and press Search again.

● Enter all or part of an application's name or description, or the developer's name you want to search for.

● Touch a search result to open that application's details screen.

The details screen describes the application and contains buttons for downloading the application and performing other tasks.

To return to the Android Market home screen

You can return to the Home screen from most other screens in Android Market.

● Touch the Market icon at the top left of the screen.

● Press ⊞ and touch **Home**.

Downloading and installing applications

When you find an application you want, you can install it on your phone.

To download and install an application

Before you can download a paid application, you must set up a billing arrangement, as described in "To create a Google Checkout account".
● Find an application you want and open its details screen.
In the application's details screen, you can read more about the application, including its cost, overall rating, and comments by users. Scroll down to the **About the developer** section to view more applications by this developer, visit the developer's web site, or send the developer an email message.

● Press ⊞ and touch **Security** to preview the functions and data the
application can access on your phone if you install it. If you're not comfortable with the access the application requires, don't continue.
● Touch **Install** (for free applications) or **Buy** (for paid applications).
Paid applications are not offered in all areas by all carriers.
If the application requires access to your data or control of any functions on your phone, you are asked to review and grant permission before downloading.
Note: Read this screen carefully. Be especially cautious with applications that have access to many functions or to a significant amount of your data. Once you touch OK on this screen, you are responsible for the results of using this application on your phone.
● If you agree to the application's access requirements, touch **OK**.
If you selected a paid application, you're redirected to the Google Checkout screento pay for the application before it's downloaded to your phone.
If you selected a free application (or after touching **Buy now** in Google Checkout), you receive a series of notifications as the application is downloaded and then installed on your phone.
When the application is installed, you can touch the notification to open the application, or open it by touching its icon in the Launcher.
You have a short while to try out an application and, if you decide you don't want it, to uninstall it for a refund. If you have another Android phone, you can download a paid application to that phone using the same Android Market account, at no additional charge.

Managing your downloads

After you've downloaded and installed an application, you can rate it view it in a list with your other downloaded applications, and so on.

To view your downloaded applications
You can view a list of the applications you've downloaded from Android Market, and use the list for a number of purposes.

- On the Android Market home screen, press ⊞ and touch **downloads.**

In the list of the free and paid applications that opens, you can touch one to rate it, uninstall it, request a refund, and so on.

To set whether an application is updated automatically

Applications you download from Market are not set to update automatically by default; applications that came with your phone are. But you can change that setting for either kind of application, to change what happens when you receive notification that one or more applications have updates available

- On the Android Market home screen, press ⊞ and touch **Downloads.**

- Touch an application.
- Check or uncheck **Allow automatic updating.**

To respond to a notification that application updates are available

You receive notification whenever a new version of an application is available

Responding to notifications in general is described in "Managing notifications".

If an application is set to update automatically, and the application has not changed the permissions it requires, the notification informs you after the update is downloaded and installed

If the application is not set to update automatically, or if the update changes the permissions it requires, you're notified you have updates available. Touching the notification opens the Downloads screen in Market. Each application you've downloaded that has an update available has an **Update** or **Update (manual)** label.

- Touch an application with an **Update** or **Update (manual)** label to update it, after reviewing changes to its permissions if necessary.
- Touch **Update all** to update all the applications with updates that don't have permissions changes.

The **Update all** button is available only if you have more than one updates that doesn't require you to approve changes to permissions.

To set whether you're notified about updated applications

- On the Android Market home screen, press ⊞ and touch **Downloads**.

- Press ⊞ and touch **Notifications**.

- Select whether or not to be notified of updates to the applications you've

downloaded.

- Touch **OK**.

To uninstall an application

- On the Android Market home screen, press ⊞ and touch **Downloads**.

- Touch the application to uninstall.

The details screen for the application opens.

- Touch **Uninstall**.
- Touch **OK** in the confirmation dialog.
- Touch the explanation that best matches why you're uninstalling and touch **OK**.

The application is uninstalled. You can install the application again at any time, without charge if it was a paid application.

To request a refund for an application

If you are not satisfied with an application, you can ask for a refund within a short time after your purchase. The actual amount of time you have to request a refund is stated in the receipt you received by email, and you can also contact the developer as detailed in the application's details screen. Your credit card is not charged and the application isnuninstalled from your phone.

If you change your mind, you can install the application again, but you can't request are fund a second time.

- On the Android Market home screen, press ⊞ and touch **Downloads**.

- Touch the application to uninstall for a refund.

The details screen for the application opens.

- Touch **Uninstall & refund**.

Your application is uninstalled and the charge is cancelled.

- Touch the explanation that best matches why you're uninstalling and touch **OK**

To rate an application

You can award an application from one to five stars and share what you think about the application with other shoppers.

- Open the details screen for an application.

You can do this by browsing or searching for the application and then touching it; or if you've downloaded the application, by touching it in the list of your

downloaded applications.
- Touch the stars under **My review**.
- Touch the number of stars to award the application and touch **OK**.
- If you want to share a comment about the application, back on the details screen, touch **Post a comment**.

To flag inappropriate applications

If you discover an application with graphically violent, sexual, or otherwise hateful or offensive content, you can report it to the Android Market team.
- Open the details screen for an application.

You can do this by browsing or searching for the application and then touching it; or if you've downloaded the application, by touching it in the list of your downloaded applications.
- Scroll to the bottom of the details screen and touch **Flag as inappropriate**.
- Touch the reason you find the application objectionable.
- Touch **Submit**.

Your comments are sent to the Android Market team.

Connectivity

Your phone can connect to a variety of networks and devices, including mobile networks for voice and data transmission, Wi-Fi data networks, and Bluetooth devices, such as headsets. You can also connect your phone to a computer, to transfer files from your phone's SD card, and share your phone's mobile data connection via USB or as a portable Wi-Fi hotspot.

To determine what network you're using

- Press **Home**, press and touch **Settings** to open the Settings application.
- Touch **Wireless & networks** > **Mobile networks** > **Access Point Names**.

The name of the wireless service provider you're currently registered with is selected in the list.

To disable data when roaming

You can prevent your phone from transmitting data over other carriers' mobile networks when you leave an area that is covered by your carrier's networks. This is useful for controlling expenses if your cell plan doesn't include data

roaming.

● Press Home, press ⌨, and touch **Settings**, to open the Settings
   application.
● Touch **Wireless & networks** > **Mobile networks** and uncheck **Data
   roaming**.

With **Data roaming** unchecked, you can still transmit data with a Wi-Fi
Connection.

To limit your data connection to 2G networks

You can extend your battery life by limiting your data connections to 2G
networks (GPRS or EDGE). When you are connected to a 2G network, you may
want to postpone activities that transmit a lot of data, such as sending,
uploading, or downloading pictures or video, until you are connected to a faster
mobile or other wireless network.

**[Note] The device is tested for typical body worn operation. The minimum distance
between the user and/or any bystander and the radiating structure of the transmitter is
20cm.**

● Press **Home**, press ⌨, and touch **Settings** to open the Settings
   application.
● Touch **Wireless & networks** > **Mobile networks** and check **Use only 2G
   networks**.

To edit or create a new access point

If you and your wireless service provider determine that you need to change the
settings of your current access point name (APN) or to create a new one, you
must obtain the APN and detailed settings from your provider.

● Press Home , press ⌨ , and touch **Settings** to open the Settings
   application.
● Touch **Wireless & networks** > **Mobile networks** > **Access Point Names**.

● Touch an existing APN to edit it. Or press ⌨ and touch **New APN**.

Enter the APN settings that you obtained from your wireless service provider by
touching each setting that you need to edit.

● When you're finished, press ⌨ and touch **Save**.

- If you created a new APN, touch it in the APNs screen to start using it

Connecting to Wi-Fi networks

Wi-Fi is a wireless networking technology that can provide Internet access at distances of up to 100 meters, depending on the Wi-Fi router you're your surroundings.

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

There are numerous systems for securing Wi-Fi connections, including some that rely on secure certificates or other schemes to ensure that only authorized users can connect.
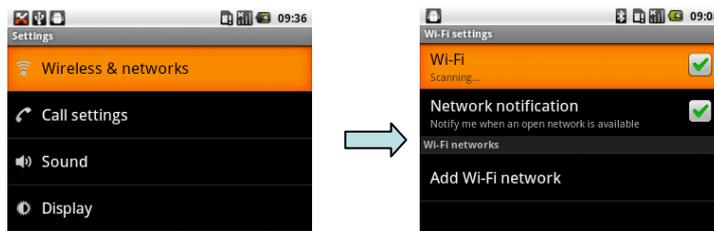
To turn Wi-Fi on and connect to a Wi-Fi network

If you're adding a Wi-Fi network when first setting up your phone, Wi-Fi is turned on automatically.

- Press Home, press ⊞ , and touch **Settings**.

- Touch **Wireless & networks** > **Wi-Fi settings**.

- Check **Wi-Fi** to turn it on.

The phone scans for available Wi-Fi networks and displays the names of those it finds. Secured networks are indicated with a Lock icon.

If the phone finds a network that you connected to previously, it connects to it.

- Touch a network to connect to it.

If the network is open, you are prompted to confirm that you want to connect to

that network by touching **Connect**.

If the network is secured, you're prompted to enter a password or other credentials. (Ask your network administrator for details.)

When you're connected to a network, you can touch its name in the Wi-Fi settings screen for details about the speed, security, address, and related settings.

To receive notifications when open networks are in range

By default, when Wi-Fi is on, you receive notifications in the Status bar when your phone detects an open Wi-Fi network.

- Turn on Wi-Fi, if it's not already on.
- In the Wi-Fi settings screen, check **Network notification**.

You can uncheck this option to stop receiving notifications.

To add a Wi-Fi network

- Turn on Wi-Fi, if it's not already on.

If you're adding a Wi-Fi network when first setting up your phone, Wi-Fi is turned on automatically.

- In the Wi-Fi settings screen, touch **Add Wi-Fi network** (at the bottom of the list of discovered networks).
- Enter the SSID (name) of the network. If the network is secured, touch the Security menu and then touch the type of security deployed on the network.
- Enter any required security credentials.
- Touch **Save**.

The phone connects to the wireless network. Any credentials that you entered are saved, so you are connected automatically the next time you come within range of this network.

To forget a Wi-Fi network

- Turn on Wi-Fi, if it's not already on.
- In the Wi-Fi settings screen, touch & hold the name of the network.
- Touch **Forget network** in the dialog that opens.

Connecting to Bluetooth devices

Bluetooth is a short-range wireless communications technology that devices can use to exchange information over a distance of about 8 meters. The most common Bluetooth devices are headphones for making calls or listening to music, hands-free kits for cars, and other portable devices, including laptops and cell phones.

To turn Bluetooth on or off

● Press **Home**, press ⬚, and touch **Settings** to open the Settings
  application.
● Touch **Wireless & networks**.
● Check or uncheck **Bluetooth** to turn it on or off.

To change your phone's Bluetooth name

● Press Home, press ⬚, and touch **Settings** to open the Settings
  application.
● Touch **Wireless & networks** > **Bluetooth settings**.
The Bluetooth settings screen opens.
● If Bluetooth isn't turned on, check **Bluetooth** to turn it on.
● Touch **Bluetooth name**, enter a name, and touch **OK**

To pair your phone with a Bluetooth device

● Press Home, press ⬚, and touch **Settings** to open the Settings
  application.
● Touch **Wireless & networks** > **Bluetooth settings**.
● If Bluetooth isn't turned on, check **Bluetooth** to turn it on.
Your phone scans for and displays the IDs of all available Bluetooth devices in
range.
● If the device you want to pair with isn't in the list, make it discoverable.
See the documentation that came with your device to learn how to make it
discoverable by your phone, and for other instructions for pairing.
● If your phone stops scanning before you make the other device
  discoverable, touch **Scan for devices**.
● Touch the ID of the other device in the list in Settings to pair them.
The devices pair with each other. If you're prompted to enter a passcode, try
entering 0000 or 1234 (the most common passcodes), or consult the
documentation that came with the device to learn its passcode.
If the pairing is successful, your phone connects to the device.

To connect to a Bluetooth device

● Press **Home**, press ⬚, and touch **Settings** to open the Settings

application.

- Touch **Wireless & networks** > **Bluetooth settings**.
- If Bluetooth isn't turned on, check **Bluetooth** to turn it on.
- In the list of devices, touch a paired but unconnected device in the list.

If the device you expected isn't displayed, touch **Scan for devices**.

When the phone and the device are connected, the device is displayed as connected in the list.

To configure the Bluetooth features you want to use

- Touch & hold the device in the Bluetooth settings screen.
- Touch **Options** in the menu that opens.

A screen opens with a list of the device's profiles.

- Check or uncheck a profile to use it or not.
- When you're finished, press Back

.

To disconnect from a Bluetooth device

- Touch the device in the Bluetooth settings screen.
- Touch **OK** to confirm that you want to disconnect.

To unpair a Bluetooth device

- Touch & hold the device in the Bluetooth settings screen.
- Touch **Unpair** or **Disconnect & unpair** in the menu that opens.

Connecting to a computer via USB

You can connect your phone to a computer with a USB cable, to transfer music, pictures, and other files between your phone's SD card and the computer.

Note: When connecting your phone to a computer and mounting its SD card, you must follow your computer's instructions for connecting and disconnecting USB devices, to avoid damaging or corrupting the files on your SD card.

You can't share your phone's data connection and SD card via USB at the same time. If you are using USB tethering, you must turn that off first.

To connect your phone to a computer via USB

- Use the USB cable that came with your phone to connect the phone to a USB port on your computer.

You receive a notification that the USB is connected.

- Open the Notifications panel and touch **USB connected**.
- Touch **Turn on USB storage** in the screen that opens to confirm that you

want to transfer files.

To disconnect your phone from the computer

Note: Carefully follow your computer's instructions to unmount the SD card and

disconnect USB devices correctly, to avoid losing information on the card.

- Unmount the SD card on your computer.
- Open the Notifications panel and touch **Turn off USB storage**.
- Touch **Turn off USB storage** in the screen that opens.

To safely remove the SD card from your phone

- Press **Home**, press ⊞, and touch **Settings**, to open the Settings

  application.
- Touch **SD card & phone storage**.
- Touch **Unmount SD card**.

You can now safely remove the SD card from the phone.

To format an SD card

- Press **Home**, press ⊞, and touch **Settings**, to open the Settings

  application.
- Touch **SD card & phone storage**.
- If necessary, touch **Unmount SD card**.

You can format an SD card only when it is unmounted.

- Touch **Format SD card.** On the screen that warns you that formatting the
  SD card will erase its contents, touch **Format SD card**.

Tools

Clock

To set an alarm

- Touch the Alarm icon at the bottom of the Clock screen.
- Touch the icon next to an alarm to turn it on or off. Alarms that are set are
  underlined in green.
- Touch an existing alarm to change its time and other attributes. Or touch
  Add alarm to add a new one. When viewing the main Clock screen, you

can also press ⬚ and touch **Add alarm** to add a new alarm.

- Touch **Time** to set the time of the alarm. In the dialog that opens, you change the time by touching the + or - buttons and the AM or PM buttons. Or touch a time to type the time you want.
- Touch **Ringtone** to select a ringtone for the alarm. You can select a ringtone that comes with the phone or one that you saved as a ringtone by using the Music application. The ringtone plays briefly when you select it.
- Touch **Vibrate** to have the phone vibrate, in addition to playing the ringtone.
- Touch **Repeat** to set the days when you want the alarm to sound. If you don't set a repeat, the alarm sounds only one time.
- Touch **Label** to enter a name for the alarm.
- When you're finished, touch **Done**.
- At the time you set, the alarm sounds.
- Press Back to return to the main Clock screen.

Changing Clock alarm settings

You can change a number of settings for the alarms you set.You can also change how times are displayed in Clock in the Settings applications.

- To change Clock alarm settings, touch the Alarm icon at the bottom of the Clock screen. In the Alarms screen that opens, touch **Settings**.
- Alarm in silent mode: Check to play alarms even when the phone is in Silent mode.
- Alarm volume: Opens a dialog where you can set the volume of alarms.
- Snooze duration: Opens a dialog where you can set how long Clock waits before playing an alarm again.
- Side button behavior: Opens a dialog where you can set what happens if you press the Volume Up / Down button when an alarm sounds. You can set the button behavior to have no effect, to snooze the alarm, or to dismiss it.

News and Weather

You can check the weather and top news stories with News & Weather, a widget for your desktop that is backed by a full-featured application.

Checking the news and weather

News & Weather offers weather forecasts and news stories about common

topics. You can also customize the news topics that are displayed.

This information is summarized in the News & Weather widget, which you can place on your Home screen, and is presented in greater detail in the News & Weather application.

To open News & Weather

● Touch the news or weather section of the News & Weather widget on your Home screen, or touch its icon in the Launcher.

To get details about the news and weather

When you open News & Weather, you view a summary of the weather or headlines.

● Touch a tab in the scrolling list of tabs at the top of the screen to view the weather or top stories by category.

● Touch the weather summary for a more detailed forecast.

● Touch a time on the weather graph for a detailed, hour-by-hour forecast.

● Touch a headline to read the full story.

● Swipe left or right to change news categories.

● While viewing the weather or news headlines, press ⊞ and touch **Refresh** to get the latest information.

Changing News & Weather settings

You can configure a number of settings for News & Weather. The location and related settings also affect the display of the News & Weather widget and the Clock application.

● To open the News & Weather settings screen, press ⊞ and touch **Settings.**

Weather settings

Use my location Check to use the phone's location service to determine your location when displaying weather information. Uncheck to set the location manually, using **Set location.**

● Set location: When **Use my location** is unchecked, touch to specify the location for weather information by entering a city or postal code.

● Use Celsius: Check to use the Celsius temperature scale instead of Fahrenheit.

News settings

● Select news topics: Opens a screen where you can select the categories of news to include in the scrolling list of News & Weather tabs. You can also touch **Custom topic** to enter specific topics—for example, "solar power" or "Olympics".

● News terms of service: Opens a screen with details about the terms of service for Google News.

● Prefetch articles: Check to download news articles so that they open more quickly and are available when you don't have a data connection. Prefetching articles improves performance at the expense of more data use and decreased battery life between charges.

● Prefetch images: Check to prefetch news images in addition to news text, when the headlines are downloaded. Prefetching images improves performance at the expense of more data use and decreased battery life between charges. This setting is only available when **Prefetch articles** is checked.

Refresh settings

These settings control how frequently the information on the News & Weather widget is updated. In addition to using these settings, adding or removing the News & Weather widget from the Home screen also turns **Auto-refresh** on or off.

● Auto-refresh: Check to have News & Weather update information automatically, at the frequency you set with **Refresh interval.** Uncheck to update the news and weather only when you press ⊞ and touch **Refresh.** For automatic refresh to work, you must also have Background Data turned on in the Settings application.

● Refresh interval: Opens a dialog where you can set how often to update the news and weather automatically, if **Auto-refresh** is checked. More frequent updates trade the convenience of current information for increased data use and decreased battery life between charges.

● Refresh status: Displays the date and time of the last refresh and the next scheduled refresh of news and weather.

Settings

You use the Settings application to configure how your phone looks, sounds,

communicates, protects your privacy, and operates in many other ways. Many applications also have their own settings; for details, see the sections about individual applications.

To open Settings

- Press **Home** , press , and touch **Settings**.

- Touch the **Settings** icon on the Home screen or in the Launcher.
All of the settings in the Settings application are described in this section.

Wireless & networks

Use Wireless & Network settings to configure and manage connections to networks and devices by using Wi-Fi, Bluetooth, and mobile networks. You also use Wireless & Network settings to configure connections between your phone and virtual private networks (VPNs), to connect your computer to the Internet using your phone, and to turn off all radios with Airplane mode.
Airplane mode Check to turn off all the phone's radios that transmit voice or data. When checked, also disables the Call settings (Wi-Fi Check to turn on Wi-Fi so you can connect to Wi-Fi networks. Bluetooth Check to turn on Bluetooth so you can connect to Bluetooth devices.

Wi-Fi settings screen

In addition to the settings described in this section, you can press on this

screen and touch **Advanced** to configure the settings described in "Advanced Wi-Fi settings screen".
Wi-Fi Check to turn on Wi-Fi so you can connect to Wi-Fi networks. Network notification Check to receive a notification when an open Wi-Fi network becomes available.
Wi-Fi networks Displays a list of Wi-Fi networks you've previously configured and those detected when the phone last scanned for Wi-Fi networks.
Add Wi-Fi network Opens a dialog where you can add a Wi-Fi network by entering its SSID (the name it broadcasts) and security type.

Advanced Wi-Fi settings screen
Wi-Fi sleep policy Opens a dialog where you can set whether and when the Wi-Fi radio disconnects. Disabling sleep uses more battery power.

MAC address The Media Access Control (MAC) address of your phone when connecting to Wi-Fi networks.

IP settings If you check **Use static IP**, you can use IP settings to enter an IP address and other network settings for you phone manually, rather than using the DHCP protocol to obtain network settings from the W-Fi network itself.

Bluetooth settings screen

For details about working with these settings, see "Connecting to Bluetooth devices". Bluetooth Check to turn on Bluetooth so you can connect to Bluetooth devices. Device name Opens a dialog where you can give your phone a name that is visible on some Bluetooth devices when you pair them. The current name is displayed.

Discoverable Check to make your phone discoverable by other Bluetooth devices for 120 seconds. Scan for devices Touch to search for and display information about nearby Bluetooth devices. Bluetooth devices Displays a list of Bluetooth devices that you've previously configured and those detected when the phone last scanned for Bluetooth devices.

Tethering & portable hotspot settings screen

For details about these settings, see "Sharing your phone's mobile data connection". USB tethering Check to share your phone's mobile network data connection with your computer, via a USB connection.

Portable Wi-Fi hotspot Check to share your phone's mobile network data connection as a portable Wi-Fi hotspot. Portable Wi-Fi hotspot settings Opens a screen with settings to turn the hotspot on and off and to set the its SSID (its broadcast name) and security.

Help Opens a dialog with information about USB tethering and portable Wi-Fi hotspots as well as information about where to learn more.

VPN settings screen

Add VPN Opens a screen that prompts you to select the type of VPN to add. You are then prompted for VPN configuration details. VPNs The list of VPNs that you've previously configured.

Mobile networks settings screen

- Data enabled: Uncheck to prevent your phone from transmitting data on any mobile network. This is useful if you are traveling in an area where you do not have a mobile data plan and want to avoid charges for data use on local arrivers' mobile networks. Unchecking this setting does not prevent

your phone transmitting data on other wireless networks, such as Wi-Fi or Bluetooth.

- Data roaming: Uncheck to prevent your phone from transmitting data on other carriers' mobile networks when you can't access your own carrier's mobile networks.
- Data usage: Only available if your carrier enforces a mobile network data use policy. Displays the amount of data you've transmitted over the mobile network in the current period, the data threshold (the amount of data you can transmit before the policy is enforced), and the time when the next period starts. If you touch this setting, the Data Usage screen opens, with more details about your mobile network data use, the period in which it's measured, and the way in which the carrier will enforce the policy if you exceed the data threshold for the period. Contact your carrier for more information about its mobile network data use policy.
- Access Point Names: Opens the APNs screen, where you can select

  mobile access point configurations; or press to add a new APN.

  Consult your carrier about how to use the tools on this screen.
- Use only 2G networks: Check to obtain slightly better battery life, by preventing your phone from connecting to higher-speed networks.
- Network operators Opens a screen that searches for and displays mobile networks that are compatible with your phone. Consult your carrier to understand the billing implications of selecting another carrier.

Call settings

Use Call settings to configure phone call settings, such as call forwarding, call waiting, and other special features offered by your carrier. You can also use Call settings to configure the phone so that it can place outgoing calls only to a fixed set of phone numbers.

Call settings screen
- Fixed Dialing Numbers GSM phones only.
- Voicemail service: Opens a dialog where you can select your carrier's voicemail service or another service, such as Google Voice.
- Voicemail settings: If you are using your carrier's voicemail service, opens a dialog where you can enter the phone number to use for listening to and managing your voicemail. You can enter a comma (,) to insert a pause into

the number—for example, to add a password after the phone number. If you are using Google Voice, this setting opens a screen where you can view the Google Voice number or sign out of Google Voice.

Other call settings

- Call forwarding: Opens a screen where you can configure how your calls are forwarded when you're on the phone, when you don't answer, and so on.
- Caller ID: Opens a dialog where you can set whether your phone number is displayed to the people you call.
- Call waiting: Check to see and respond to new calls when you're already on a call.

Fixed Dialing Numbers screen

Use the settings on this screen to configure your phone so it can place outgoing calls only to the fixed dialing numbers (FDN) that you save on the phone's SIM card.

- Enable FDN: Opens a dialog that prompts you to enter your PIN2and then places the phone in FDN mode. When FDN is enabled, this setting changes to **Disable FDN**.
- Change PIN2: Opens a series of dialogs that prompt you to enter your current PIN2 and then enter and confirm a new PIN2.
- FDN list: Opens a screen that lists any FDNs saved on your SIM card.

  Press ⊞ and touch **Add contact** to add an FDN number to your SIM.

  Press ⊞ on that screen to import a number from your Contacts to the FDN list, or to delete a number from the FDN list.

Sound

Use the Sound settings to configure how and at what volume the phone rings, vibrates, or the Navigation key light pulses when the phone rings, you receive a notification, an alarm sounds, or when you play music or other media with audio, as well as some related settings.

- Silent mode: Check to silence all sounds (including call and notification ringtones) except the audio from music, videos, and other media and any alarms you have set.

(You must silence media and alarms in their own applications.)

- Vibrate: Opens a dialog where you can configure when you want the phone to vibrate when you receive a phone call or notification: Always, never, only when the phone is in Silent mode, or only when the phone is not in Silent mode.
- Volume: Opens a dialog where you can set the volume of ringtones that sound when you receive a phone call or notification, media (music, videos, an so on), and alarms. If you uncheck the option to use the same volume for both calls and notifications, you can set the notification ringtone volume independently.
- Phone ringtone: Opens a dialog where you can select the ringtone to sound when you receive a phone call. Touch a ringtone to listen to it.
- Phone vibrate: Opens a dialog where you can set the phone to vibrate whenever you receive an incoming call, only when the phone is in Silent mode, or never.
- Notification ringtone: Opens a dialog where you can select the ringtone to sound when you receive a notification. Touch a ringtone to listen to it.
- Pulse notification light: Check to pulse the Navigation key light every few seconds when you have new notifications. Uncheck to pulse the Navigation key light just once for each new notification when it arrives.
- Emergency tone: On some phones, opens a dialog where you can configure how the phone reacts when you place an emergency call.
- Audible touch tones: Check to hear tones when you use Phone to dial a number.
- Audible selection: Check to play a sound when you touch buttons, icons, and other onscreen items that react to your touch.
- Screen lock sounds: Check to play a sound when the screen is locked or unlocked.
- Haptic feedback: Check to have the phone vibrate briefly when you touch soft buttons and perform other actions.

Display

Use the Display settings to configure brightness and other screen settings.
- Brightness: Opens a dialog for adjusting the brightness of the screen. You can check **Automatic brightness** to set the phone to adjust the brightness automatically, using the phone's built-in light sensor. Or uncheck that option to use the slider to set a brightness level you want at all times when using the phone. For the best battery performance, use the dimmest comfortable

brightness.

- Animation: Opens a dialog where you can set whether you want to enjoy animated transitions for some effects (such as opening menus), for all supported effects (including when navigating from screen to screen), or to enjoy a phone without any optional animation effects (this setting does not control animation in all applications).

- Screen timeout: Opens a dialog where you can set how long to wait after you touch the screen or press a button before the screen darkens. For the best battery performance, use the shortest convenient timeout.

Location & security

Use the Location & Security settings to set your preferences for using and sharing your location when your search for information and use location-aware applications, such as Maps. You can also configure settings that help secure your phone and its data.

- Use wireless networks: Check to use information from Wi-Fi and mobile networks to determine your approximate location, for use in Maps, when you search, and so on. When you check this option, you're asked whether you consent to sharing your location anonymously with Google's location service. Use GPS satellites Check to use your phone's global positioning system (GPS) satellite receiver to pinpoint your location to within an accuracy as close as several meters ("street level"). Actual GPS accuracy depends on a clear view of the sky and other factors.

- Set unlock pattern: Opens a set of screens that guide you through drawing a screen unlock pattern, as described in "Locking your screen".

- Change unlock pattern: When an unlock pattern is set, opens a set of screens you can use to change the unlock pattern. Use visible pattern When an unlock pattern is set, check to draw lines between points in the unlock pattern you draw. Use tactile feedback When you have configured a screen lock, check to have the phone vibrate briefly as you touch each dot when you draw an unlock pattern or as you enter the unlock PIN or password.

- Set unlock PIN: Opens a set of screens for setting a numeric PIN you must enter to unlock your screen, as described in "Locking your screen".

- Change unlock PIN: When a screen lock PIN is set, opens a set of screens you can use to change PIN.

- Set unlock password: Opens a set of screens for setting a password you

must enter to unlock your screen, as described in "Locking your screen".

- Change unlock password: When a screen lock password is set, opens a set of screens you can use to change password.
- Turn off screen lock: Touch to stop requiring a pattern, PIN, or password to unlock your screen. This setting is not visible unless you have configure a screen unlock pattern, PIN, or password
- Set up SIM card lock: Opens a screen where you can configure the phone to require entering the SIM PIN to use the phone, and where you can change the SIM PIN.
- Visible passwords: Check to briefly show each character of passwords as you enter them, so that you can see what you enter.
- Use secure credentials: Check to allow applications to access your phone's encrypted store of secure certificates and related passwords and other credentials. You use credential storage to establish some kinds of VPN and Wi-Fi connections, as described in "Connecting to networks and devices". If you have not set a password for the credential storage, this setting is dimmed. Install from SD card Touch to install a secure certificate from an SD card, as described in "Working with secure certificates".
- Set password: Opens a dialog where you can set or change the password for your secure credential storage. Your password must have at least 8 characters. See "Working with secure certificates".
- Clear storage: Deletes all secure certificates and related credentials and erases the secure storage's own password, after prompting you to confirm that you want to do this.

Applications

You use the Applications settings to view details about the applications installed on your phone, to manage their data and force them to stop, and to set whether you want to permit installation of applications that you obtain from web sites and email.

Applications settings screen

Unknown sources Check to permit installation of applications that you obtain from web sites, email, or other locations other than Android Market.

Note: To protect your phone and personal data, download applications only from trusted sources, such as Android Market.

Manage applications Opens a list of all the applications and other software

installed on your phone, along with their sizes. By default, only downloaded applications are shown, and they are sorted in alphabetical order. Press ⊞ and touch **Filter** to change the list to show all applications, only running applications, or only downloaded applications. Press ⊞ and touch **Sort by size** to display applications in order by size. Touch an application to open its Application Info screen.

- Running services: Opens a list of services—applications or parts of applications that provide services to other applications or that run even when their main application isn't running. Examples include the Android onscreen keyboard and the small portion of Google Talk that always listens for incoming messages. Above each service, one or more gray bars show what processes the running service needs and how much memory it's using (how much memory you would recover if you stopped the service). Depending on the service, when you touch it in the list it either opens a dialog in which you can stop it or opens its Settings screen.

Application Info screen

The Application Info screen for each application lists its name and version, along with details about the application. Depending on the application and where it came from, it may also include buttons for managing the application's data, forcing the application to stop, and uninstalling the application. It also lists details about the kinds of information about your phone and data that the application has access to.

- Storage: Gives details about the amount of phone storage that an application uses.

If you installed the application from Android Market or another source, includes an **Uninstall** button that you can use to remove the application and all of its data and settings from the phone. See "Market" for more information about uninstalling and reinstalling applications.

- Cache: If the application stores data in a temporary area of the phone's memory, lists how much information is stored, and includes a button for clearing it.
- Launch by default: If you have configured an application to launch certain file types by default, you can clear that setting here.
- Controls: Use the **Force stop** button to stop an application that is misbehaving.

The application is stopped without confirmation. Permissions Lists the kinds of information about your phone and data the application has access to.

Development screen

The Development screen contains settings that are useful for developing Android applications. For full information, including documentation of the Android APIs and development tools, see the Android developer web site (http://developer.android.com).

● USB debugging: Check to permit debugging tools on a computer to communicate with your phone via a USB connection.

● Stay awake: Check to prevent the screen from dimming and locking when the phone is connected to a charger or to a USB device that provides power. Don't use this setting with a static image on the phone for long periods of time, or the screen may be marked with that image.

● Allow mock locations: Check to permit a development tool on a computer to control where the phone believes it is located, rather than using the phone's own internal tools for this purpose.

Accounts & sync

Use the Accounts & Sync settings to add, remove, and manage your Google and other supported accounts. You also use these settings to control how and whether applications send, receive, and sync data on their own schedules, and whether applications can synchronize user data automatically.
Gmail, Calendar, and other applications may also have their own settings to control how they synchronize data; see the sections on those applications for details.

Accounts & sync settings screen

Background data Check to permit applications to synchronize data in the background, whether or not you are actively working in them. Unchecking this setting can save battery power and lowers (but does not eliminate) data use.
Auto-sync Check to permit applications to synchronize data on their own schedule. If you uncheck this setting, you must touch an account in the list on this screen, press [⊞] , and touch **Sync now** to synchronize data for that account. Synchronizing data automatically is disabled if **Background data** is unchecked. In that case, the **Auto-sync** checkbox is dimmed.

Manage accounts: The rest of this screen lists the Google Accounts and other accounts you've added to the phone. If you touch an account in this screen, its account screen opens.

Account screen

This screen contains different options, depending on the kind of account.
For Google Accounts, it lists the kinds of data you can synchronize to the phone, with checkboxes so you can turn synchronizing on and off for each kind. You can also press and touch **Sync now** to synchronize data. Touch the

Remove account button to remove the account along with all its data (contacts, mail, settings, and so on). You can't remove the first Google Account you added to your phone except by resetting your phone to the factory defaults and erasing all of your user data

Privacy

You use the Privacy settings to manage your personal information. Back up my data Check to back up some of your personal data to Google servers, with your Google Account. If you replace your phone, you can restore the data you've backed up, the first time you sign in with your Google Account. If you check this option, a wide variety of you personal data is backed up, including your Wi-Fi passwords, Browser bookmarks, a list of the applications you've installed, the words you've added to the dictionary used by the onscreen keyboard, and most of the settings that you configure with the Settings application. Some third-party applications may also take advantage of this feature, so you can restore your data if you reinstall an application. If you uncheck this option, you stop backing up your data to your account, and any existing backups are deleted from Google servers.

- Automatic restore: Check this option to restore your settings and other data when you install an application, if you installed and used it previously on this phone or on another phone, where you signed in with the same Google Account and were backing up your settings.
- Factory data reset: Erases all of your personal data from internal phone storage, including information about your Google Account, any other accounts, your system and application settings, and any downloaded applications. Resetting the phone does not erase any system software updates you've downloaded or any files on your SD card, such as music or

photos. If you reset the phone in this way, the next time you turn on your phone you're prompted to reenter the same kind of information as when you first started Android.

SD card & phone storage

- SD card, Total space and Available space Lists the amount of space on any SD card installed in your phone and the amount you have used to store photos, videos, music, and other files.
- Unmount SD card Unmounts the SD card from your phone so that you can format the card or safely remove it when the phone is on. This setting is dimmed if there is no SD card installed, if you have already unmounted it, or if you have mounted the SD card on your computer.
- Format SD card Permanently erases everything on an SD card and prepares it for use with your phone. You must unmount an SD card before you can format it. Internal phone storage, Available space The amount of internal phone storage used by the operating system, its components, applications (including those you downloaded there), and their permanent and temporary data.

Language & keyboard

Use the Language & Keyboard settings to select the language for the text on your phone and for configuring the onscreen keyboard, including words that you've added to its dictionary.

Language & Keyboard screen
- Select language: Opens the Language screen, where you can select the language to use for the text on your phone.
- Android keyboard: For phones with physical keyboards, uncheck to disable the onscreen keyboard.
- Device keyboard: This setting is available only if your phone has a physical keyboard.
- User dictionary: Opens a list of the words you've added to the dictionary, as described in "Using the onscreen keyboard". Touch a word to edit or delete it. Press and touch **Add** to add a word.

Android Keyboard settings screen

The Android Keyboard settings apply to the onscreen keyboard that is included with your phone. The correction and capitalization features affect only the English version of the keyboard.

- Vibrate on keypress: Check to have the phone vibrate briefly each time you touch a key on the onscreen keyboard.
- Sound on keypress: Check to play a brief sound each time you touch a key on the onscreen keyboard.
- Auto-capitalization Check to have the onscreen keyboard automatically capitalize the first letter of the first word after a period, the first word in a text field, and each word in name fields.
- Voice input: Opens a dialog where you can turn voice input off or set on which onscreen keyboard you want the voice-input Microphone key.
- Input languages: Opens the Input Languages screen, where you can check the languages you want to have available when using the onscreen keyboard.
- Quick fixes: Check to automatically correct some common misspellings as you type.
- Show suggestions: eck to show suggested words in a strip above the onscreen keyboard as you type.

Auto-complete: eck to automatically enter a suggested word, highlighted in orange in the strip above the keyboard, when you enter a space or punctuation.

Voice input & output

You use the Voice Input & Output settings to configure the Android voice input feature, described in "Entering text by speaking", and the text-to-speech synthesizer, for applications that can take advantage of it, such as TalkBack, which is described in "Accessibility settings".

Google Voice Recognition settings screen

- Language: ens a screen where you can set the language you use when entering text by speaking.
- SafeSearch: Opens a dialog where you can set whether you want Google SafeSearch filtering to block some results when you use Google search by voice: Block no search results (off), only explicit or offensive images (moderate), or both explicit or offensive text and images (strict). Block offensive words When unchecked, Google voice recognition will recognize and transcribe words many people consider offensive, when you enter text

by speaking. When checked, Google voice recognition replaces those words in transcriptions with a placeholder comprised of hash symbols (#).

Text-to-Speech settings screen

If you don't have speech synthesizer data installed, only the **Install voice data** setting is available. Listen to an example Plays a brief sample of the speech synthesizer, using your current settings.

- Always use my settings: Check to use the settings on this screen in place of speech synthesizer settings available in other applications.
- Default engine: Opens a dialog where you can set the text-to-speech application you want to use, if you have more than one installed.
- Install voice data: If your phone does not have speech synthesizer data installed, connects to Android Market and guides you through the process of downloading and installing the data. This setting is not available if the data is already installed.
- Speech rate: Opens a dialog where you can select how quickly you want the synthesizer to speak.
- Language: Opens a dialog where you can select the language of the text you want the synthesizer to read. This is particularly useful in combination with the Always Use My Settings setting, to ensure that text is spoken correctly in a variety of applications.

Accessibility

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

- Accessibility: Check to enable all installed accessibility plug-ins.
- KickBack: Check to have the phone vibrate briefly as feedback as you navigate the user interface, press buttons, and so on.
- TalkBack: Check to have an installed speech synthesizer speak the labels or names of items as you navigate the phone's user interface.
- SoundBack: Check to play a sound as you navigate the phone's user interface.

Date & time

Use Date & Time settings to set your preferences for how dates are displayed. You can also use these settings to set your own time and time zone, rather than

obtaining the current time from the mobile network.

- Automatic: Uncheck to set the date, time, and time zone on the phone manually, rather than obtaining the current time from the mobile network.
- Set date: If **Automatic** is unchecked, opens a dialog where you can manually set the phone's date.
- Select time zone: If **Automatic** is unchecked, opens a dialog where you can set the phone's time zone.
- Set time: If **Automatic** is unchecked, opens a dialog where you can set the phone's time.
- Use 24-hour format Check to display the time using 24-hour time format—for example, 13:00 rather than 1:00 pm.
- Select date format Opens a dialog where you can select the format for displaying dates.

About phone

About Phone includes information about your phone.

About Phone screen

System updates Opens a screen that reports on the availability of Android system software Updates.Status Opens the Status screen with a long list of information about your battery, mobile network connection, and other details. Battery use Opens a list of the applications and operating system components you have used since you last connected the phone to a power source, sorted by the amount of power they have used. Touch an application in the list to view details about its power use and, if available, touch a button to open a settings or information screen for that component or application.

- Legal information: Opens a screen where you can obtain legal information about the software included with your phone.
- System tutorial: Opens a screen that offers to introduce some of your phone's features, as described in "Starting Android for the first time".
- Version information: Lists details about the model numbers and versions of your phone's hardware and operating system software. This information is useful if you need to work with your carrier's support team.