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# **T-Mobile G1™**

## **User Guide**



Android™ mobile technology platform R1.0  
Document Rev 08 - September 8, 2008  
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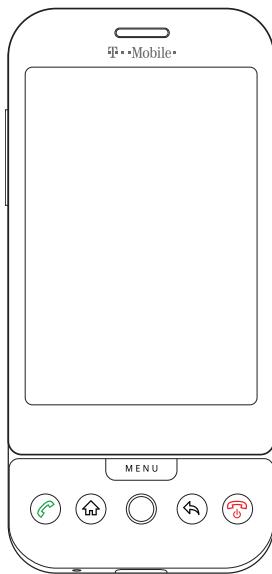
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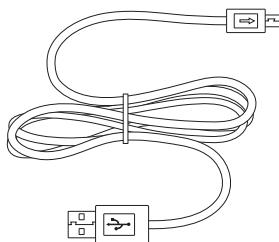
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# Check that you've received everything

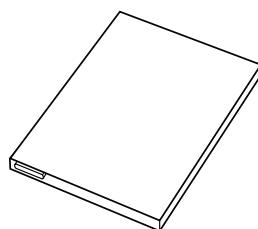
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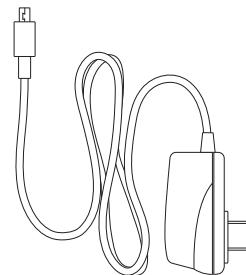
**T-Mobile G1**



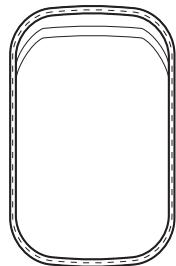
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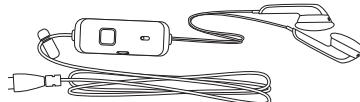
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**AC Adapter**



**Pouch**



**Wired Stereo Headset**



**Tips & Tricks**



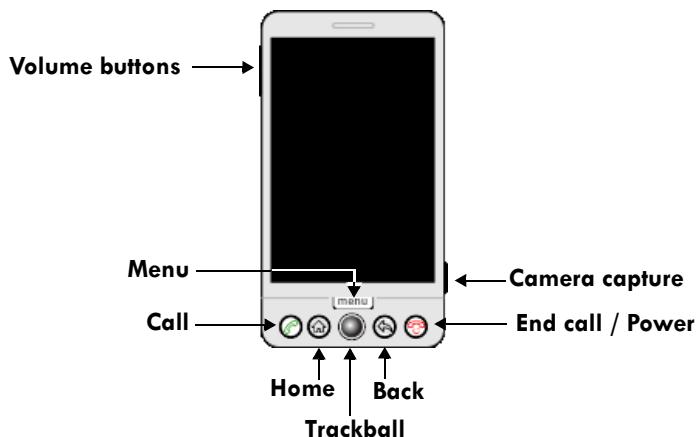
**Start Guide**



**Terms & Conditions**

# Phone controls

## Control buttons



Use the control buttons on your phone to do the following:

<b>Home button</b>	<ul style="list-style-type: none"><li>• Press <b>HOME</b> to return to the Home screen from anywhere on your phone.</li><li>• Press &amp; hold <b>HOME</b> to bring up the recent applications window.</li></ul>
<b>Menu button</b>	<ul style="list-style-type: none"><li>• Press <b>MENU</b> to open a list of actions you can take on the current screen.</li><li>• Press <b>MENU</b> once to open the list of actions, then press &amp; hold <b>MENU</b> again to see the menu shortcuts for that screen. The shortcuts will blink in place as long as you hold down the <b>MENU</b> button.</li><li>• Press &amp; hold <b>MENU</b> when using in combination with a keyboard shortcut.</li><li>• Press <b>MENU</b> to wake up the screen; press <b>MENU</b> again to unlock the screen (you may need to draw your unlock pattern first if you have set one. (Read more in “Screen lock” on page 18.)</li></ul>
<b>Back button</b>	<ul style="list-style-type: none"><li>• Press <b>BACK</b> to go back to the previous screen, or to dismiss a dialog box or menu.</li></ul>

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<b>Call button</b>	<ul style="list-style-type: none"><li>• Press <b>CALL</b> to do one of the following, depending on the context:<ul style="list-style-type: none"><li>- Open the log of recent calls.</li><li>- Call contact (when a contact/contact number is highlighted).</li><li>- Add another call (while in a call).</li><li>- Display call in progress on the screen (if you had navigated to another application during the call).</li><li>- Call number (when a phone number is highlighted, e.g., in Browser).</li></ul></li><li>• Press &amp; hold <b>CALL</b> to open the voice dialer.</li></ul>
<b>End call button</b>	<ul style="list-style-type: none"><li>• When on a call, press <b>END CALL</b> to hang up.</li><li>• When not on a call, press <b>END CALL</b> to lock the screen and put the phone to sleep.</li><li>• When not on a call, press &amp; hold <b>END CALL</b> to open the Phone options menu, from which you can power off or put your phone in silent mode.</li></ul>
<b>Trackball</b>	<ul style="list-style-type: none"><li>• Roll the <b>TRACKBALL</b> up/down and left/right to navigate selectable items on the screen. Click the <b>TRACKBALL</b> to select a highlighted item or action.</li><li>• Press &amp; hold the <b>TRACKBALL</b> to bring up the selected item's context menu (if applicable).</li><li>• On a Web page, click the <b>TRACKBALL</b> twice to enter "scale &amp; scroll" mode. (Read more in "Scale &amp; scroll" on page 16.)</li></ul>
<b>Camera capture button</b>	<ul style="list-style-type: none"><li>• When on the Home screen, press &amp; hold the <b>CAPTURE</b> button to go to the capture screen.</li><li>• When in the Camera application, press the <b>CAPTURE</b> button half-way down to focus, then complete the press to take a picture.</li></ul>
<b>Volume controls</b>	<ul style="list-style-type: none"><li>• Press either <b>+</b> or <b>-</b> to open the sound volume controls. Volume is controlled separately for the incoming call ringer and audio/video files:<ul style="list-style-type: none"><li>- If you are on a phone call when you press the volume controls, the Ringer volume slider will open.</li><li>- If you are listening to an audio or video file when you press the volume controls, the Media volume slider will open.</li></ul></li><li>• While an incoming call is ringing, press either the <b>+</b> or <b>-</b> volume control to immediately silence the phone. The caller will continue to hear the ringing until you answer the call.</li><li>• To put your phone in "silent mode" quickly, press &amp; hold the <b>-</b> volume control.</li></ul>

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## Status light indicators

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There is an LED light in the speaker that provides a status or activity indication.



- Solid green - Battery is fully charged (while connected to power adapter).
- Solid red - Battery is charging.
- Flashing red - Battery is low. Connect to charger!
- Flashing green - You have a pending notification.

The indicators are listed in order of priority. This means, for example, that if your phone is connected to a power adapter, the LED will be solid red and not switch to a flashing green light even if there is a pending notification.

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## SD card slot

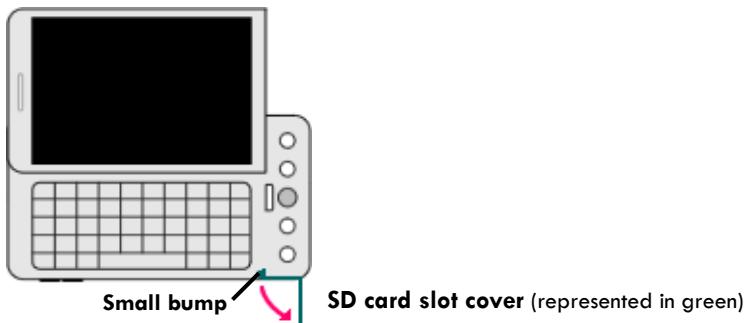
Your phone has a slot for a microSD flash memory card. (Read more about the contents of the SD card in “Load pictures onto your SD card” on page 98 and “Load music onto your SD card” on page 105.)

The slot is located along the bottom edge of the phone, just below the **Call** button, and is protected by a cover. Follow the instructions below to remove or insert an SD card:

- 1 If you are going to remove your SD card, first you must unmount it from your phone by doing the following:
  - Press **HOME**, then press **MENU** and select **Settings**.
  - Scroll down and select **SD card & phone storage**.
  - Select **Unmount/eject SD card**.Now you are ready to remove your SD card.
- 2 Open the display to reveal the keyboard.

---

3 Pull the SD card cover open by pulling the small bump on the inside, left edge so that it rotates open to reveal the SD card slot.



4 Once the slot is revealed, you can insert or remove the SD card:

- To insert an SD card, push the card into the slot, copper contacts facing down and with the notched edge facing right. Push the card in gently until you feel it “snap” into place.



- To remove an already-installed SD card, push the card in gently, then release. The card should pop out far enough so you can remove it.

5 Close the SD card cover until both ends are seated.

**Important!** The phone does not think the SD card is inserted if both ends of the cover are not properly closed.

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## SIM card slot

To insert your wireless operator-provided SIM card, do the following:

- 1 Hold the phone with the control buttons on the right. Slide the display up to reveal the keyboard.
- 2 The battery cover release tab is located to the left of the keyboard along the edge. Pull the tab up with your thumb while pulling the cover back, then free.
- 3 Turn the phone over. Slide the SIM card into the slot with the copper contacts face-down and with the cut corner facing away from the slot.
- 4 Insert the battery so the copper contacts match the contacts on the phone, then gently press the battery into place.
- 5 Reattach the battery cover.

---

To remove your SIM card, remove the battery cover and battery as instructed above, then push the SIM card to the right, free of the brackets, and lift out.

---

## Battery charging

- 1 Connect the AC adapter plug to an electrical outlet and connect the other end to the USB port at the bottom of the phone. To fully charge when the phone is discharged, keep connected for at least three hours.
- 2 To power on your phone, press & hold the END CALL button. (Later, should you want to power off, press & hold three seconds. From the menu that opens, select **Power off**.)

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## Keyboard

To use the keyboard, hold your phone horizontally, with the control buttons on the right. Push the display up and slightly to the left to reveal the keyboard. Your display will always use the landscape screen orientation when your keyboard is open.

### SEARCH key

There is a **SEARCH** key  (just to the left of **@**), which you can use when the keyboard is open. Pressing the **SEARCH** key launches the search window. Type your search criteria in the text field, then select **Search**.

### MENU key

There is a **MENU** key (just to the left of **Z**), which you can use when the keyboard is open instead of pressing the **MENU** control button. This means, with the keyboard open, you can open the menu using your left hand (press the **MENU** key) and select a menu option with your right (roll and click the **TRACKBALL**).

### ALT key

To type the characters shown in color on some of the keys, first press the **ALT** key, then the key showing the special character. For example, if you need to type a double quote ("), you would first press the **ALT** key, then the **k** key [**ALT, k**].

- Lock the **ALT** key to type a series of characters by pressing **ALT** twice. The cursor shape changes while the key is locked: .
- Unlock the **ALT** key by pressing it once again.

## SHIFT key

There are two SHIFT keys on your phone; one on the far left and the other on the far right of the lower row of keys. Press the SHIFT key while typing a letter to type the letter's capital. On number or symbol keys, pressing the SHIFT key causes the special character to appear.

- Lock the SHIFT key to type a series of characters by pressing SHIFT twice. The cursor shape changes while the key is locked: WHERE ARE<sub>1</sub> .
- Unlock the SHIFT key by pressing it once again.

## @ key

When you type an email address, the “at” symbol (@) separates the username from the domain; for example, username@domain.com. Use the @ key (located in the bottom row of keys, just to the left of the SPACEBAR) to insert the @ symbol in an email address.

## Typing and text navigation tips

Insert special character	ALT + SPACEBAR opens special character selector
Delete character to left	DEL
Delete entire line	ALT + DEL
Persistent CAPS	Press SHIFT twice; press SHIFT again to escape
Jump cursor to beginning/end of line	ALT + roll TRACKBALL left/right
Create tab character	ALT + q
Highlight text	Press & hold SHIFT while rolling the TRACKBALL
Deselect highlighted text	Roll TRACKBALL
Cut text	Highlight text, press MENU + x, or Highlight text, press & hold TRACKBALL, select Cut
Copy text in text field to clipboard	Highlight text, press MENU + c, or Highlight text, press & hold TRACKBALL, select Copy
Paste text copied to clipboard	MENU + v, or Press & hold TRACKBALL, select Paste
Select all text in field	MENU + a, or Highlight text, press & hold TRACKBALL, select Select all

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## Touch screen & trackball

### Selection

To select an item or button on the screen, you can either:

- Roll the **TRACKBALL** to highlight the item, then click the **TRACKBALL** to select the item; or
- Touch the item directly with your fingertip. You will know when an item on the screen is selected when its color changes, usually to yellow or orange.

**Tip:** To hear a sound when an item is selected, select the **Audible selection** check box in **Home > Settings > Sound & display**.

### Context menus

To open the context menu for an item on the screen, you can either:

- Roll the **TRACKBALL** to highlight the item, then press & hold the **TRACKBALL**; or
- Touch & hold the item on the screen with your fingertip. You must hold for one full second before the context menu will appear.

### Scroll

To scroll up or down in a list or page on the screen, you can either:

- Roll the **TRACKBALL** up/down; or
- Slide your finger up/down on the screen. With repeated short, quick brushing gestures, you can accelerate the scroll. Touch the screen to stop the scrolling.

### Crop pictures

When creating wallpaper or an icon from a picture, you can control how the picture is cropped. Touch & hold an edge of the cropper to reveal the sizing arrows, then drag the edge in or out to size. Touch & drag the center of the cropper to move it with the picture.

### Drag items

In some contexts you can drag items on the screen with your fingertip. Moving the cropper frame within a picture is one example.

## Zoom in or out

Zoom in on a picture when viewed full-screen, Web page, or map:

- 1 Touch the screen to open the zoom-in and zoom-out controls .
- 2 Touch the + control to zoom in. With each touch you zoom in closer.

Zoom out on a picture (when viewed full-screen), Web page, or map:

- 1 Touch the screen to open the zoom-in and zoom-out controls .
- 2 Touch the – control to zoom out. With each touch you zoom out further.

## Scale & scroll

To navigate quickly to a section of a large Web page, use the “scale & scroll” interface:

- 1 Touch the screen to reveal the zoom controls and the “scale & scroll” icon at the bottom right of the screen: .
- 2 Touch the icon. The magnifying window opens and the Web page reduces to fit the width of the screen.



- 2 Move the magnifying window around the screen with your fingertip or by rolling the **TRACKBALL**.
- 3 When you find the area of the page you want to view more closely, release your finger and the view expands to fit the screen.

---

## Navigate in lists

When viewing a list that scrolls off the screen or menu, you can navigate using keyboard shortcuts:

**Page down** Press SPACEBAR

**Page up** Press SHIFT + SPACEBAR

**Jump to end of list** Press ALT + TRACKBALL roll DOWN

**Jump to top of list** Press ALT + TRACKBALL roll UP

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## Silent mode

To silence your phone quickly, press & hold END CALL (two seconds). The Phone options menu opens. Select Silent mode.

Other ways to silence your phone:

- Press & hold the – volume button to zero volume.
- Press HOME, then press MENU and select Settings > Sound & display. Select the Silent mode check box.

---

## Screen sleep

After a period of inactivity, your screen will go to sleep (display will turn black). In sleep, your phone uses less battery power. You can control this behavior:

**Set screen timeout period**

- 1 Press HOME, then press MENU and select Settings.
- 2 Select Sound & display.
- 3 Scroll down to the Display settings section and select Screen timeout. Select a time or “never timeout” from the menu.

**Prevent sleep while charging**

- 1 Press HOME, then press MENU and select Settings.
- 2 Select Applications, then Development.
- 3 Select the Stay awake check box.

**Lock screen & put phone to sleep (immediately)**

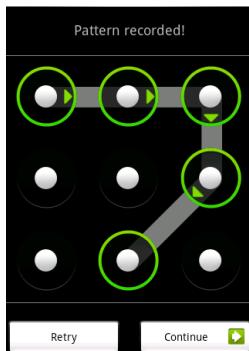
Except when on a phone call, from any screen, press END CALL.

## Screen lock

While not on a call, to lock your control buttons and screen from accidental touch activation, press the **END CALL** button. To unlock your screen, press **MENU**.

You can increase the security of your phone by setting a screen unlock pattern. Once set, in order to unlock your screen, you'll have to draw the correct unlock pattern. You can set your screen unlock pattern as follows:

- 1 Press **HOME**, then press **MENU** and select **Settings**.
- 2 Select **Security & location**, then scroll down to the **Screen unlock pattern** section.
- 3 Select the **Require pattern** check box.
- 4 Set or change your unlock pattern by selecting either **Set unlock pattern** or **Change unlock pattern**, as applicable.
- 5 Follow the prompts to define your pattern. **Note:** You must slide your finger along the screen to create the pattern, not select individual dots. Connect at least four dots.



- 6 When you unlock your screen, if you want your pattern to be hidden as you draw it, clear the **Use visible pattern** check box.

## Global shortcuts

Use these control button and keyboard shortcuts from anywhere on your phone:

**Lock screen and put phone to sleep** Press **END CALL**

**Open dialer** Press **CALL**, select **Dialer tab**

**Open voice dialer** Press & hold **CALL**

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## Application “quick launch”

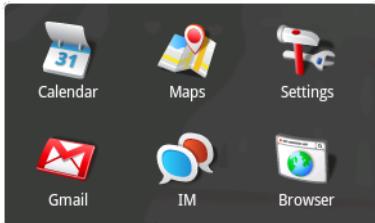
You can set keyboard shortcuts that open individual applications when used together with the **SEARCH** key (located between the **ALT** and **@** keys on your keyboard). For example, if the shortcut to the Browser application is “b”, then from anywhere on the phone, you could press **SEARCH** + **b** to jump to the Browser application.

You can customize the shortcut keys from the Quick launch settings screen:

- 1 Press **HOME**, then press **MENU** and select **Settings**.
- 2 Select **Applications**, then select **Quick launch**.
- 3 The Quick launch screen is organized first by letter, a-z, then followed by numbers, 1-9. Some shortcuts have been defined by default (such as “b” for Browser). You can change these default shortcuts as well as add shortcuts to letters or numbers that are unassigned.
- 4 To change or add a new shortcut, select the letter or number slot to open the list of applications. Select the application you want to shortcut, and it’s assigned.

## Recent applications

From any screen, press & hold **Home** to open the recent applications window. The window displays (up to) the last six applications you used since last restarting your phone. Select an application to open it.



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## Wireless off

When you need to turn off all your phone radios, switch to “airplane” mode:

- 1 Press **HOME**, then press **MENU** and select **Settings**.
- 2 Select **Wireless controls**, then select the **Airplane mode** check box. When selected, the airplane mode  icon displays in the status bar and all wireless connections are disabled.
- 3 To enable wireless connections again, return to this settings screen and clear the **Airplane mode** check box.

---

## Making phone calls

To dial a number, press the **CALL** button. To call using the voice dialer, press & hold **CALL**. To answer an incoming call, press **CALL**. To end a call, press **END CALL**.

While in a call, press **MENU** to reveal the in-call options:

- Dial pad** Displays the on-screen dial pad so you can respond to in-call menu prompts.
- Add call** Puts current call on hold and displays the on-screen dial pad so you can dial another number.
- Speaker** Turns on the speakerphone.
- Mute** Mutes your side of the conversation.
- Hold** Puts call-in-progress on hold.

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## Power on/off

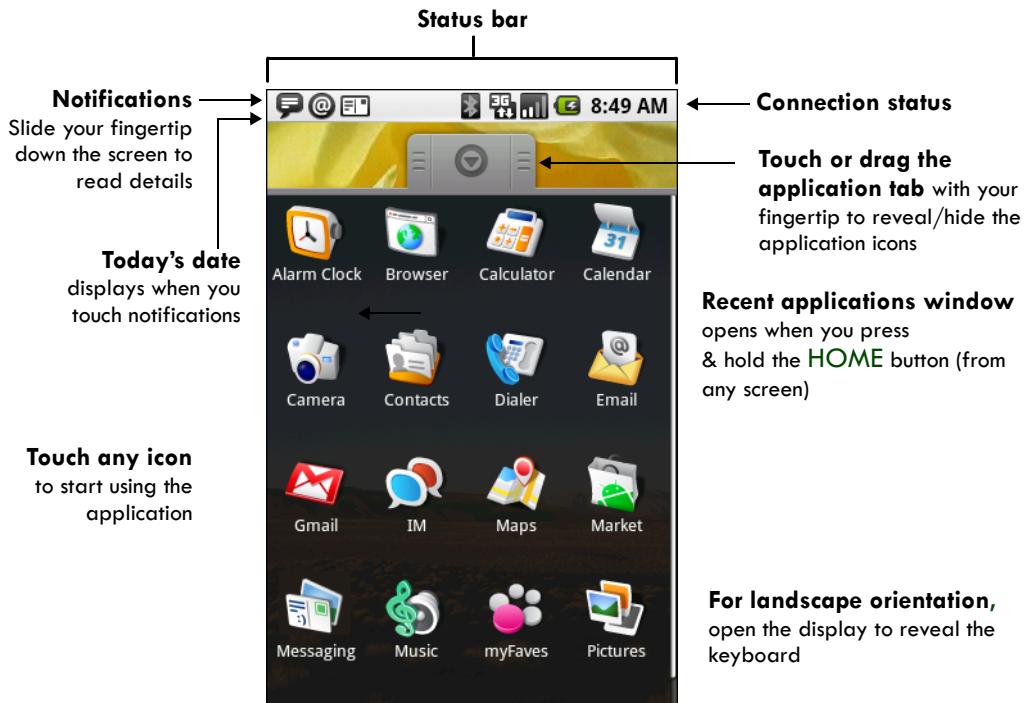
To power off your phone, press & hold the **END CALL** button. On release, the Phone options menu opens. Select **Power off**.

To power on again, press the **END CALL** button.

# Home screen

## Home screen overview

The Home screen is your starting point for using all the applications on your phone. You can customize your Home screen to display applications, shortcuts, and widgets as you like.



Wherever you are, whatever you're doing on your phone, simply press the **HOME** button to return to the Home screen.

### Home screen tips:

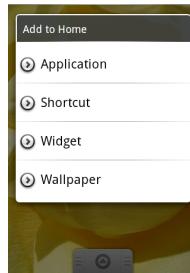
- **To find a contact quickly**, close the application tab, then open the keyboard and start typing the contact's name. The contact list appears and resolves to the letters you've typed.
- **To find an application quickly**, open the application tab, then open the keyboard and start typing the application name. The list of applications reduces to those that match the letters you've typed.

## Extended Home screen

The Home screen actually extends beyond the screen width. After pressing **HOME**, slide your fingertip left and right along the screen to reveal the full width of the Home screen. This additional space gives you more room to customize Home with applications, shortcuts, and widgets.

## Create Home screen shortcuts and widgets

- 1 Start from the Home screen (press the **HOME** button to get oriented). Then touch & hold the screen with your fingertip. The **Add to Home** menu opens.
- 2 Select an **Application** shortcut, a **Shortcut** to some of your saved information (such as a playlist, a Web bookmark, or folder), a **Widget** (a clock, picture frame, or Google search bar), or **Wallpaper** for your Home screen.
- 3 The application, shortcut, folder, or widget appears on the screen. (Read more about folders in “Create and delete folders on the Home screen” on page 23.) If you selected **Wallpaper**, you’ll be asked to select a picture.



**Tip:** To create an application shortcut quickly, touch the application tab to reveal all the application icons, then touch & hold an application icon. Its shortcut is added to the Home screen; close the application tab to see it.

## Remove items from the Home screen

To remove a shortcut or widget from your Home screen, touch & hold the item to enter “move mode” (read more in the next section below). The application tab turns into a **Trash** button. Drag the item to the **Trash** button  and release. You’ll know when your item is in the **Trash** because the item and the tab will turn red:



---

## Move objects on the Home screen

- 1 To move an icon or other item on the Home screen, you must first touch & hold it to enter move mode. The object will magnify when it's ready to be moved.



- 2 Without lifting your finger (or you'll drop out of move mode), drag the object to the new position. To move an item to a section of the Home screen not in view, move it to the edge of the screen and hold it there for a moment. The screen view will shift; position the object and release.

---

## Create and delete folders on the Home screen

You can add folders to hold application icons or shortcuts:

- 1 From the Home screen, press **MENU** and select **Add**, or touch & hold the screen to open the **Add to Home** menu.
- 2 Select **Shortcuts > Folder**. A new folder appears on the screen.
- 3 Touch & hold any of the application icons or shortcuts to enter move mode (the icon will magnify), then drag the item on top of the new folder.
- 4 Touch the folder once to open it; touch the folder's title bar to close it.
- 5 To rename a folder, first open the keyboard. Then touch & hold the folder title bar to open the **Rename folder** dialog box. Type your new folder name, then select **OK**.
- 6 To delete a folder, touch & hold the folder to enter move mode. Drag the folder to the **Trash** button  and release.

---

## Customize Home screen wallpaper

Wallpaper your Home screen with pictures you have stored on your SD card, or select a picture from the **Wallpaper** gallery that comes preinstalled on your phone:

- 1 From the Home screen, press **MENU** and select **Wallpaper**. Alternatively, you can touch & hold the Home screen to open the **Add to Home** menu.
- 2 Select **Wallpaper**, then select either **Pictures** or **Wallpaper gallery**.
- 3 **If you select Wallpaper gallery**, then scroll through the gallery.
  - Touch a thumbnail to highlight it and view a larger version.
  - When you've decided on a wallpaper, make sure it's highlighted, then select **Set wallpaper**.

---

4 If you select **Pictures**, your picture album opens. Note that if this is the first time you have viewed the pictures stored on your SD card from your phone, it may take a while for the pictures to load.

- Navigate to find the picture you want to use, then select it.
- The cropper appears. Touch & hold an edge of the cropper to reveal the sizing arrows, then drag the edge in or out to size. Touch & drag the center of the cropper to move it within the picture.
- When you're happy with the cropped area, select **Save** or press the **BACK** button.

5 The wallpaper is applied.

---

## Notification and connection status icons

Along the top of your phone screen is the status bar. On the left side, icons will appear, notifying you of a new message, upcoming calendar event, alarm, or something else you should notice. On the right side of the status bar, you'll see connection status icons.

 New email message	 Call in progress	 GSM signal, roaming, no signal
 New SMS or MMS	 Missed call	 GPRS service connected, data flowing
 Problem with SMS or MMS delivery	 Call on hold	 Edge service connected, data flowing
 New instant message	 Call forwarding is on	 3G service connected, data flowing
 New voicemail	 Speakerphone is on	 Wi-Fi service connected, network available
 Upcoming event	 Ringer is off (Silent mode)	 Battery charge indicators: full, half-full, low, very low!
 Alarm is set	 Ringer on vibrate only	 Battery is charging
 Song is playing	 Phone on mute	 Wireless services are off (Airplane mode)
 Data is syncing	 GPS is enabled and working	 Bluetooth® is on, Bluetooth device connected
 SD card full!	 Uploading/downloading	 Content downloaded
 More (undisplayed) notifications	 Sign-in/sync error	No SIM card in phone

## Read your notifications

When you see a notification in the status bar, touch the bar and slide your finger down the screen to open the list of notifications displayed in the sliding window.

- **Ongoing notifications** report activities such as call forwarding ON, current call status, song playing.
- **Notifications** report the arrival of new messages, calendar events, and alarms. You can clear notifications list by selecting **Clear notifications** at the top of the notifications window.

To open the message, reminder, or other notification, touch the item. To close the notifications window, slide your finger up the screen. You can also open the notifications window by pressing **MENU** and selecting **Notifications**.

## Wireless operator

To view the network your phone is currently using, slide open the notifications window. The name of the wireless operator's network appears at the top of the list in bold.

## Call voicemail

If you have a new voicemail message, you will see this icon  in the status bar. To call your voicemail number:

- 1 Open the notifications window to reveal the **New voicemail** notification:



- 2 Select the notification.
- 3 Your voicemail number is dialed.
  - To remove an already-installed SD card, push the card in gently, then release. The card should pop out far enough so you can remove it.
- 4 Close the SD card cover until both ends are seated.  
**Important!** The phone does not think the SD card is inserted if both ends of the cover are not properly closed.

# System settings

Control phone-wide settings from the Home settings screen: Press **HOME**, then press **MENU** and select **Settings**. You can also select the Settings icon  from the Home screen.

## Wireless controls

**Wi-Fi on/off** Select this check box if you prefer to use Wi-Fi for your data connection.

**Wi-Fi settings screen** Open the Wi-Fi settings screen to:

- View and scan for available networks - Press **MENU** and select **Scan**.
- Connect to a network - Select it from the network list. Provide your username or password if required.

**Bluetooth on/off** Use this check box to turn Bluetooth services on or off.

**Bluetooth settings** With Bluetooth services on, you can open the Bluetooth settings screen to:

- Rename your device.
- Select to be discoverable for up to 120 seconds, or not discoverable.
- Pair or unpair with one of the Bluetooth devices in range - You will be asked to type a PIN before pairing. Refer to the manufacturer's documentation for the PIN code.
- Rescan for devices - Press **MENU** and select **Scan**.
- Clear devices from list - Press **MENU** and select **Clear device list**.

**Airplane mode on/off** When airplane mode is selected, all wireless connectivity is off. This icon  will display in the status bar when airplane mode is selected.

**Mobile network settings**

- Select data roaming capability.
- Select to connect only to 2G (slower) networks to save battery power.
- Select a wireless operator network - Scan for all available networks, or select a network automatically.
- Add or edit network Access Point Names (APNs) - Do not change this setting unless advised to do so by your wireless operator!

---

## Call settings

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Note that when you open Call settings, your current settings are fetched, which can take a few moments.

<b>Fixed Dialing Numbers</b>	This feature allows you to restrict outgoing calls to a fixed set of numbers. To enable this feature you must know the SIM PIN2 code for your phone. You can get this number from your wireless operator, assuming this feature is supported. Read more in “Call settings” on page 87.
<b>Voicemail</b>	Select to set a voicemail number that isn’t being read from the SIM card.
<b>Call forwarding</b>	Select how you want busy, unanswered, and unreachable calls to be handled. There is also an option to <b>Always forward</b> . Read more in “Call settings” on page 87.
<b>Additional settings</b>	From this setting you can set your Caller ID preference and turn on/off call waiting. Read more in “Call settings” on page 87.
<b>Operator selection</b>	Select a wireless operator network - Scan for all available networks, or select a network automatically.

## Basic phone settings

### Sound & display

#### Sound settings

- Silent mode - Select to silence your phone.
- Ringer volume - Select to open the volume control, then slide your finger along the volume bar to set an incoming call ring volume.
- Media volume - Select to open the volume control, then slide your finger along the volume bar to set the volume for playing back music, videos, or voice recordings.
- Phone ringtone - Select to decide on a ringtone to use for incoming calls. Note that you can override this setting for individual contacts in the Edit contact details screens. Read more in "Edit contact details" on page 38.
- Phone vibrate - Select to have your phone vibrate for incoming calls.
- Notification ringtone - Select to decide on a ringtone to use when you receive a notification (e.g., new message, upcoming event). Note that you can override this setting for new Calendar event notifications and new Gmail, IM, text, and multimedia message notifications. Go to the applications' settings screens to select specific ringtones.
- Audible touch tones - Select to have a tone sound when you use the on-screen Dialer.
- Audible selection - Select to have a sound play when you select an item on the screen either using touch or the **TRACKBALL**.

#### Display settings

- Brightness - Select to open the brightness control, then slide your finger along the brightness bar to set the level. In sunlight, increase the level.
- Screen timeout - Select to decide how long your phone must be inactive before the screen turns off. Select **Never timeout** if you wish, but battery life will decrease.

### Data synchronization

Read more in "Data synchronization" on page 31.

- Turn on/off synchronization for all services.
- Select individual services to synchronize with your data on the Web. The last time the service synchronized is reported under the service name.
- To start an unscheduled sync, press **MENU** and select **Sync now**. If a sync is in progress, cancel it by pressing **MENU** and selecting **Cancel sync**.

---

## Security & location

### My Location

Select a source for determining your location:

- Wireless networks, or
- GPS satellites

Typically GPS will be more accurate (to street level) but it consumes more battery power. Note that GPS is active only when in Maps or another application requiring your location. The first time you select **Set unlock pattern**, you will step through a quick tutorial.

**Screen unlock pattern** - Create a pattern you will be asked to draw before your screen will unlock. You can select to make the pattern visible or invisible as you draw it.

**SIM card lock settings** - Lock your SIM card for extra security. You can also change your SIM card PIN from this screen. If you don't know your SIM PIN, you can obtain it from your wireless operator.

**Visible passwords** - Select to have your password display as you type it.

## Applications

**Unknown sources** - Select this check box if you want the ability to download applications from the Web. With this check box not selected, you will only be able to download applications from Android Market. To ensure your personal data and phone remain secure, it is recommended you not select this check box.

**Quick launch** - Select to assign shortcuts (a-b, 1-9) to applications. Some applications have been assigned shortcuts by default. You can change these, plus add shortcuts. From this screen:

- 1 Select the letter or number you want to use as a shortcut.
- 2 Select the application from the list that appears.
- 3 The shortcut is assigned.

---

**Manage applications** - View all the applications stored on your phone and how much space they occupy. If you've downloaded an application from Android Market, you can uninstall it from this screen.

Select a specific application to:

- Clear your user data (if you have any associated with a particular application).
- Disassociate the application with any actions. For example, you may have selected to use YouTube to open any Browser links to videos. If you'd like to use another application to open video links, simply select the **Clear defaults** button. The next time you try to perform that action, you'll be shown a dialog box so you can select an application. To make it the default, make sure you select the **Use by default for this action** check box on this dialog box **before** you select the application.
- Uninstall - If you've downloaded an application from Android Market, you will be able to uninstall it from this screen by selecting **Uninstall**.

**Development** - If you are an application developer, you may be interested in these settings:

- USB debugging - If you want be able to communicate with your phone directly via USB, select the **USB debugging** check box.
- Stay awake - To prevent your phone from sleeping while charging (via power adapter or USB), select the **Stay awake** check box.

## **SD card & phone storage**

View and manage the data storage on your phone:

- **SD card** - Monitor and manage the use of your SD card from this screen:
  - View how much space you are using on your memory card.
  - Select to use your memory card as USB mass storage when your phone is connected to your computer (selected by default)
  - Unmount/eject your memory card from your phone. Note that when your phone is connected to your computer via USB, you cannot view pictures or play any media stored on the card from your phone.
- **Internal phone storage** - Reports how much internal storage is free. The phone has a total of 256 MB internal flash memory. You can also select to reset your phone to factory settings. This will erase all your data from the phone and require you to sign in and go through the set-up screens to use any of the applications.

---

<b>Date &amp; time</b>	<ul style="list-style-type: none"><li>• Set time, time zone, and date - Use <b>Automatic</b> unless you need to override the network values.</li><li>• Time format - Select from 12- or 24-hour formats.</li><li>• Date format - Select from a variety of formats.</li></ul>
<b>Text</b>	<ul style="list-style-type: none"><li>• Turn Auto-replace feature on/off - This feature is not a spell-checker, but automatically corrects commonly-mistyped words when selected.</li><li>• Turn Auto-cap on/off - When selected, automatically capitalizes the first letter in a text field, or the first letter after a period (.), question mark (?), or exclamation point (!).</li><li>• Turn Auto-punctuate on/off - When selected, automatically inserts a period (.) when you type two spaces in succession.</li></ul>
<b>About phone</b>	<ul style="list-style-type: none"><li>• View your phone <b>Status</b>. This screen lists a variety of information, including your phone number, the network you are currently using, the type of network, signal strength, whether you are roaming or not, any Wi-Fi addresses you're connected to, and more.</li><li>• Select <b>Legal information</b> for copyright and licensing information, as well as the Google Terms of Service for the Google applications on your phone.</li><li>• Read about the <b>Contributors</b> to the Android phone.</li><li>• View the model number and version information for your phone.</li></ul>

---

## Data synchronization

Some Google applications on your phone (Gmail, Calendar, and Contacts) give you access to the same personal information that you can add, view, and edit on your computer using Google Web applications. This means that when you add, change, or delete your information in any of these applications on the Web, the updated information also appears on your phone, and vice versa. Also, if you lose your phone or if your phone is destroyed, your personal information is not lost and will appear, as before, on a replacement phone.

This mirroring of information happens through over-the-air data synchronization, or data “syncing”. Data syncing occurs in the background and shouldn’t ever get in your way. You’ll know your data is being synchronized when you see this icon in the status bar: .

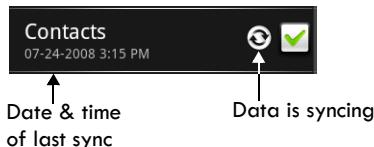
Because sending large amounts of data back and forth over the air can take time and require considerable bandwidth, there are some settings on the phone that allow you to control data sync.

## Sync by application

To control synchronization for Gmail, Calendar, and Contacts, do the following:

- 1 Press **HOME**, then press **MENU** and select **Settings**.
- 2 Select **Data synchronization**.

When any of the applications are synchronizing, you will see the “sync” icon: . You will also see the last time your data was synchronized.



- 3 By default, the personal information in Gmail, Calendar, and Contacts will sync whenever you make a change or receive a new message. You can change this behavior:

<b>Auto-sync</b>	When selected, Auto-sync will sync Gmail, Calendar, and Contacts automatically, as you make changes or receive new messages. When OFF, information will not be synced automatically, although you can force a sync by using the individual application check boxes described below.
<b>Gmail</b>	Clear this check box to exclude Gmail from auto-sync. To force a sync, either clear the check box then select it, or press <b>MENU</b> and select <b>Sync now</b> . To control sync by Gmail label, you must do so from the Gmail settings screen. Read more in “Select labels to synchronize” on page 46.
<b>Calendar</b>	Clear this check box to exclude Calendar from auto-sync. To force a sync, either clear the check box then select it, or press <b>MENU</b> and select <b>Sync now</b> .
<b>Contacts</b>	Clear this check box to exclude Contacts from auto-sync. To force a sync, either clear the check box then select it, or press <b>MENU</b> and select <b>Sync now</b> .
<b>Cancel sync</b>	During a sync you can stop it by pressing <b>MENU</b> and selecting <b>Cancel sync</b> .
<b>Sync problems</b>	If you see this icon  to the left of the sync check box, then there was a temporary problem with the data synchronization. Check your data connection and try again later.

---

## Sync by Gmail label

You can select to sync only Gmail messages with certain labels from the Gmail application settings screen. Read more in “Select labels to synchronize” on page 46.

---

# Bluetooth

Your phone is equipped with Bluetooth® wireless technology Specification 2.0. You can use Bluetooth to send and receive calls using a headset or hands-free car kit.

---

## Turn on Bluetooth services

- 1 Press **HOME**, then press **MENU** and select **Settings**.
- 2 Select **Wireless controls**, then select the **Bluetooth** check box to turn on Bluetooth services.
- 3 When on, the Bluetooth  icon appears in the status bar.

---

## Discoverability

By default, your phone is not “discoverable”. This means other Bluetooth devices will not see your phone in their scans for Bluetooth devices. If you make your phone discoverable, it will be visible to other Bluetooth devices for up to 120 seconds.

To make your phone discoverable:

- 1 Make sure you have turned Bluetooth on, as described in “Turn on Bluetooth services” on page 34.
- 2 Press **HOME**, then press **MENU** and select **Settings > Wireless controls > Bluetooth settings**.
- 3 Select the **Discoverable** check box to make your phone visible to other Bluetooth devices for 120 seconds. You must stay on the Bluetooth settings screen to remain discoverable.
- 4 Select **Discoverable** again during the 120 seconds, or leave the Bluetooth settings screen, to make your phone undiscoverable.

---

## Name your Bluetooth device

- 1 Make sure you have turned Bluetooth on, as described in “Turn on Bluetooth services” on page 34.
- 2 Press **HOME**, then press **MENU** and select **Settings > Wireless controls > Bluetooth settings > Device name**.
- 3 Type the name for your device in the dialog box, then select **OK**.
- 4 Your new device name appears on the Bluetooth settings screen.

---

## Pair & connect with Bluetooth devices

Before your phone can communicate with a Bluetooth headset or hands-free car kit, the devices must “pair”, then “connect”:

- 1 Make sure you have turned Bluetooth on, as described in “Turn on Bluetooth services” on page 34.
- 2 Press **HOME**, then press **MENU** and select **Settings > Wireless controls > Bluetooth settings**.
- 3 Your phone starts scanning for Bluetooth devices within range. As they are found, the devices appear in the list of Bluetooth devices.
- 4 To pair with a device in the list, select it.
- 5 Type the device's PIN, then select **OK**. (Read the manufacturer's documentation if you don't know the PIN.)
- 6 Once paired, select the device name to connect. You can also touch & hold the name to open the context menu, then select **Connect**.
- 7 Pairing and connection status appear under the device name.
- 8 Once the other Bluetooth device shows “connected” status, you can start using it to make and receive phone calls.
- 9 To disconnect or unpair with a device, touch & hold the device to open the context menu. Select **Disconnect** or **Unpair**, as appropriate. If you select **Unpair** when connected, you will be disconnected as well.

### Notes:

- The phone supports only the headset and hands-free Bluetooth profiles, so if you try to connect to a device that is not a headset or hands-free car kit, then you will receive an “unable to connect” message.
- If you pair with a second headset while connected to the first, the first headset will remain connected. To switch connection to the second headset you must manually select that headset again after pairing.

---

## Rescan for Bluetooth devices

If you want to update the list of Bluetooth devices, press **MENU** and select **Scan for devices**.

---

## Clear device list

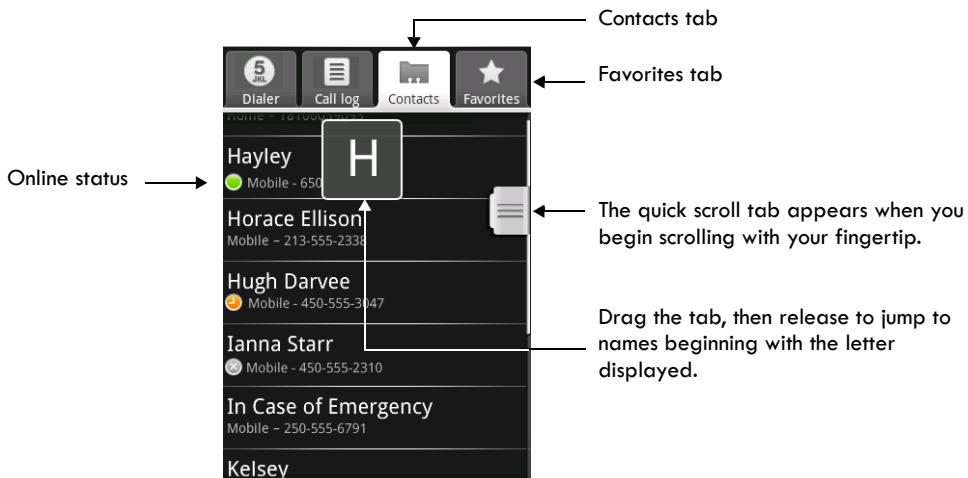
If you want to disconnect, unpair, and remove the devices in the list, press **MENU** and select **Clear device list**. Note that devices that were connected to your phone will remain paired and in the list until you **Clear device list** again.

# Contacts

## Your contact list

The contacts on your phone are synced with your Google account contacts stored on the Web. To view the contacts on your phone, press **HOME** and select **Contacts** . You can also press the **CALL** button and select the **Contacts** tab.

Contacts belonging to a specific group (you can choose which group) are listed in the **Contacts** tab. Only those contacts you star as “favorites” are listed in the **Favorites** tab. (Read “**Contacts settings**” on page 40 to learn how to change which contact group displays in **Contacts**.) If your contact is online and if you are signed in to Google Talk, their online status as well as their first-labeled number will appear under their name.



Browse through your contacts by rolling the **TRACKBALL**, or by sliding your fingertip up and down on the screen. Rapid brush movements in either direction accelerates the scrolling. Touch the screen to stop the scrolling.

**Tip:** To find a contact quickly from the Home screen, open the keyboard and start typing their name. Your contact list appears and resolves to the letters you've typed.

---

Another way to find a contact quickly is to use the “quick scroll” tab. As soon as you start scrolling with your fingertip, the quick scroll tab appears on the right, connected to the scroll bar. Select, then drag the tab up or down to scroll through the alphabet rapidly. Release your fingertip when the first letter of the name you’re looking for appears. You’ll jump to that point in the list.

From the **Contacts** tab, you can:

**Take action on a contact** Touch & hold the contact’s name to open the context menu. From the menu you can select to view the Contact details screen, call the contact’s number, send a text message, add or remove a star, edit the contact details, or delete the contact.

**View contact’s online status** Directly below a contact’s name their online status displays:

-  - Available
-  - Away
-  - Busy
-  - Offline

**Go to Contact details screen** Select the contact’s name to open the Contact details screen, where all the information you’ve saved for this contact is displayed. Note that the number with this icon  is the default number for that contact. To edit a contact’s details, press **MENU** and select **Edit contact**.

---

## Add a contact

- 1 Press **HOME** and select **Contacts** . Your contact list appears.
- 2 Press **MENU** and select **New contact**, or press **MENU + n**.
- 3 Add all the information you want to store for this contact in the appropriate fields. You must add some information to save a contact.  
To change a default label, select the label name to open the label menu. Select a different label or create a custom label. To add more fields, select **+** **More info**.
- 4 Assuming you have an SD card inserted with pictures on it, you can assign a Caller ID icon to your contact by selecting the **Add icon** button. The Pictures application opens. Navigate to a picture and select it, size the cropper with your fingertips. (Read more in “Crop pictures” on page 15.) When finished, select **Save**. The picture is associated with your contact. If you do not assign an icon, a default android icon will be assigned: .

---

- 5 To associate this contact with a ringtone for incoming calls, select the **Ringtone** pop-up menu. Select a ringtone, then select **OK**. When you select a ringtone, it plays briefly.
- 6 If you want all calls from this contact to go directly to voicemail, select the **Send calls directly to voicemail** check box.
- 7 To save your contact, press **BACK**, or press **MENU** and select **Save**.

**Note:** Email addresses are automatically added to Contacts each time you use the Reply, Reply to all, or Forward functions in Gmail to send messages to addresses not previously stored in Contacts.

---

## Assign favorites

Use Favorites as a way to display only those contacts you contact most frequently. To add a contact to Favorites:

- 1 From Contacts, touch & hold the contact you want to add to Favorites. The context menu opens.
- 2 Select **Add to favorites**.
- 3 Now your contact will be listed in **Favorites** and display with a colored star: . Their details screen will also display the colored star.

---

## Edit contact details

You can always make changes to the information you've stored for a contact:

- 1 From Contacts, touch & hold the contact whose information you want to edit. The context menu opens.
- 2 Select **Edit contact**. The Edit contact screen appears.
- 3 Make your edits, then select **Save**. To cancel, select **Discard changes**.

**Note:** Once you've edited a contact's details, the contact will automatically become part of the My Contacts group. Read more in "About the My Contacts group" on page 41.

---

## Communicate with a contact

From Contacts you can quickly call or text a contact's default number, as displayed below their name on the screen. However, to view **all** the information you've stored for a contact, and to initiate other types of communication with that contact, open the Contact details screen. To open a contact's details screen, simply select their name from Contacts.

---

<b>Call a contact</b>	<p><b>From the contact list:</b></p> <ol style="list-style-type: none"><li>1 Highlight the contact you want to call.</li><li>2 Press <b>CALL</b> to dial that contact's primary number (first in the list on their details screen).</li><li>3 To dial a different number for the contact, select the contact's name, then select the number on their details screen.</li></ol> <p><b>From the contact details:</b></p> <ol style="list-style-type: none"><li>1 In the Dial number section, select the number you want to dial.</li><li>2 The number is dialed.</li></ol>
<b>Send a text or multimedia message to a contact</b>	<p>To send a text or multimedia message to a contact, you must have a mobile number stored for them in contact details.</p> <p><b>From the contact list:</b></p> <ol style="list-style-type: none"><li>1 Touch &amp; hold the contact's name to open the context menu.</li><li>2 Select <b>Send SMS/MMS</b>. A Compose screen opens for your new message.</li><li>3 Complete your message and select <b>Send</b> or press <b>ENTER</b>.</li></ol> <p><b>From the Contact details screen:</b></p> <ol style="list-style-type: none"><li>1 In the <b>Send SMS/MMS</b> section, select a phone number.</li><li>2 A Compose screen opens for your new message.</li><li>3 Complete your message and select <b>Send</b> or press <b>ENTER</b>.</li></ol>
<b>Send email to a contact</b>	<p>To send an email message to a contact, you must have an email address stored for them in their contact details.</p> <ol style="list-style-type: none"><li>1 Select the contact you want to email. Their Contact details screen opens.</li><li>2 In the <b>Send email</b> section, select the email address. If you are fetching POP3 or IMAP email accounts to your phone, then select the account you wish to use to send. A Compose screen opens for your new message.</li><li>3 Complete your message, press <b>MENU</b>, and select <b>Send</b> or press <b>ENTER</b>.</li></ol>

---

**Send an instant message to a contact** To send an instant message to a contact, you must have an instant message screen name stored for them in their contact details.

- 1 Select the contact you want to instant message. Their Contact details screen opens.
- 2 In the **Send instant message** section, select the screen name. If you haven't signed in to the client you want to use, you'll be asked to sign in.
- 3 Your chat session begins. If your contact is offline, there will be a message letting you know in the Chat screen.

**Map a contact's address** To map a contact's address, you must have a postal or physical address stored for them in their contact details.

- 1 From your contact list, select the contact whose address you want to map.
- 2 On the contact's details page, in the **Other information** section, select the address.
- 3 The Maps application opens and locates the address. Press **MENU** to see your options. Read more in "Google Maps" on page 71.

---

## Display a contact group

To select which contact group to display in **Contacts**, press **MENU** and select **Display group**. You can select from the following:

<b>All contacts</b>	Displays every contact you've created or that has been added automatically.
<b>Contacts with phone numbers</b>	Displays only contacts with phone numbers, regardless of whether you've created them on the phone or Web.
<b>My Contacts</b>	Displays a group created automatically based on those contacts you communicate with most frequently. Read more in "About the My Contacts group" on page 41.

---

## Contacts settings

To set Contacts preferences, from Contacts or Favorites, press **MENU** and select **Settings**.

<b>Sync groups</b>	You can limit the contacts that are synced to your phone. Select to sync all contacts, or just certain groups.
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**SIM contacts importer** If you have stored names and phone numbers on your SIM card, you can add these to the Contacts stored on your phone by selecting this settings option. Once the list of names and numbers appears you can:

- **Import all names/numbers in the list** - Press **MENU** and select **Import all**.
- **Import only certain names/numbers in the list** - Select the name/number you want to import, then repeat for others as you wish. (As soon as you select the name/number, it is imported.)

---

## About the My Contacts group

“My Contacts” is a special group of contacts that displays by default in Contacts. It includes the contacts that you communicate with frequently. To display **all** your contacts and not just those in My Contacts, press **MENU**, select **Settings**, then select the **Show all contacts** check box.

To move a regular contact into the My Contacts group on your phone, simply edit that contact’s details. (Read more in “Edit contact details” on page 38.)

All the email addresses you’ve sent messages to are added automatically to the “Suggested Contacts” group. You can move contacts from Suggested Contacts into My Contacts at any time from the Web Contacts client. Note that you can create additional contact groups from the Web client as well.

---

## Contacts shortcuts

### Contact list screen

New contact	<b>MENU + n</b>
View contact	<b>ENTER</b>
Call contact	<b>CALL</b>
Jump to top/bottom of list	<b>ALT + roll TRACKBALL up/down</b>

### Contact details screen

Edit contact	<b>MENU + e</b>
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# Email, IM, and Messaging

## Gmail

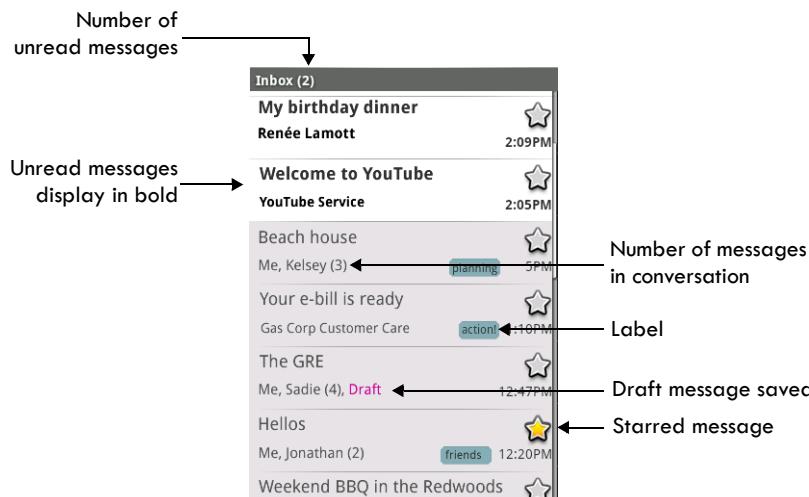
To open Gmail™ webmail service, press **HOME** and select the Gmail icon .

### About messages

With Gmail, each message you send is grouped with all the responses you receive. This “conversation view” continues to grow as new replies arrive, so you can always see your messages in context. Conversations are also referred to as “message threads” or simply “threads”. A new message or a change to the subject of a current message will begin a new conversation.

### Inbox conversation list

All the Gmail that you fetch to your phone is delivered to your **Inbox**, and the **Inbox** is your default Gmail view. The total number of unread messages displays in the title bar and individual unread messages display in bold. If you have labeled a message, its label appears in a colored rectangle to the left of the date.



## Conversation labels

Organize your email by labeling your conversations. You can filter the conversation list to show only those with a specific label. You can apply as many labels to a conversation as you wish.

A “star” is a special system-provided label: =starred message; =unstarred message. Use stars to mark important conversations, or any way that you wish. Other system labels include: **Inbox**, **Sent**, **Outbox**, **Drafts**, and **All Mail**.

Here are some specific instructions on using labels:

### Label a conversation

- 1 From a conversation list, touch & hold a conversation to open the context menu.
- 2 Select **Change labels**.
- 3 The Labels menu appears. Labels already applied are marked with a **-** sign; unapplied labels are marked with a **+** sign.
- 4 Select the label to either apply it or remove it from the conversation, then select **OK** to return to the conversation list.

### Star a conversation

- 1 From a conversation list, touch & hold a conversation to open the context menu.
- 2 Select **Add star**. If the conversation already is starred and you want to remove it, select **Remove star**.

### Star a message in a conversation

- 1 From a conversation list, select a conversation to open it for reading.
- 2 Expand the message you want to star.
- 3 Touch the star to select it. To “unstar” the message, touch the star again.

### Filter conversations by label

- 1 From a conversation list, press **MENU** and select **View labels**.
- 2 Select the label of the conversations you want to view, including system labels.
- 3 A list appears, showing just the conversations marked with the label you selected.
- 4 To return to the **Inbox**, press **MENU** and select **Back to Inbox**, or press the **BACK** key.

## Select labels to sync

You can select to synchronize specific labels:

- 1 From a conversation list, press MENU and select Settings.
- 2 Select Labels.
- 3 All your labels appear in a list. Select the labels you want synchronized on a regular basis. Read more in “Select labels to synchronize” on page 46.

## Refresh

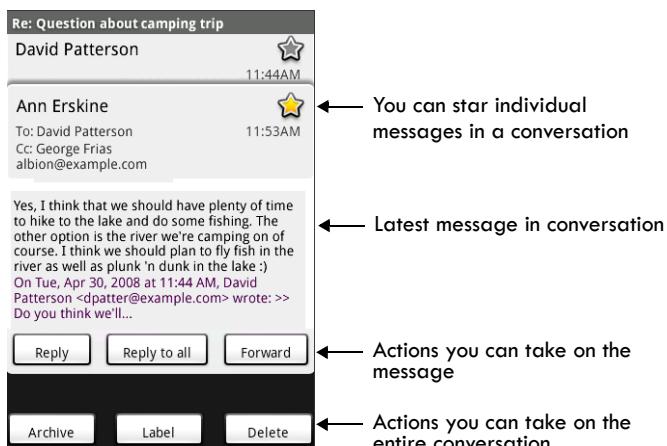
- 1 From a conversation list, press MENU and select Settings.

### 2 Select Refresh.

- 3 Your email is synchronized per settings. Read more in “Select labels to synchronize” on page 46.

## Read email

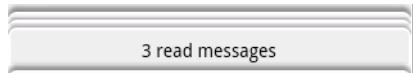
When you open a conversation for reading, the subject will appear in a box at the top of the screen and the latest message will appear at the bottom of the conversation.



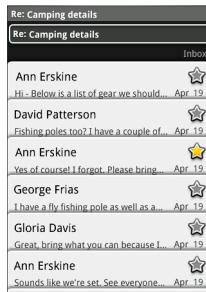
Here are some actions you can take on individual messages and conversations:

#### Open/collapse messages

All read messages are collapsed. To expand these messages, select the “read messages” header:



Once the read messages are expanded, their individual headers display. Touch the header to open/collapse the message body.



← All messages are collapsed to show just the headers. Select a header to expand that message.

#### Scroll through messages

Slide your finger up or down on the screen; quickly brush your finger up or down to scroll faster.

You can also roll the **TRACKBALL** down to scroll through messages.

#### Mark conversation as spam

- From a conversation list, touch & hold the conversation to open the context menu. Select **Report spam**.
- From the read view, press **MENU** and select **More > Report spam**.

#### Mark conversation as read/unread

Unread messages are shown in bold.

- From a conversation list, touch & hold the conversation to open the context menu. Select **Mark read/Mark unread** as appropriate.
- From the read view, press **MENU** and select **Mark read/Mark unread** as appropriate.

#### Archive conversation

- From a conversation list, touch & hold the conversation to open the context menu. Select **Archive**. To view your archived messages, from the list of labels, select **All mail**.
- From the read view, press **MENU** and select **Archive**. You can also use the keyboard shortcut **MENU + y**.

---

## Compose email

### Compose new

- 1 Press **MENU** and select **Compose**.
- 2 Add recipients by typing a name or address in the **To** field.  
Matching contacts will appear. Select the recipient or continue typing the address. Add as many as you wish.
- 3 Type a subject and message.
- 4 To add a picture attachment, press **MENU** and select **Attach**.  
Select a picture. To remove an attachment, select the attachment's **Remove** button.
- 5 Select **Send** or **Save as draft** when ready. Pressing **BACK** will also save as draft.

### Reply, Reply all, Forward

- 1 With a conversation highlighted or open for reading, scroll to the end of the conversation.
- 2 Select **Reply**, **Reply all**, or **Forward**.  
**Tip:** Always double-check that you've made the right selection!
- 3 Compose your message and **Send** or **Save as draft** when ready. Pressing **BACK** will also save as draft.

## Search for messages

In Gmail, you can search for a specific message by sender, word in subject, or label:

- 1 From a conversation list, press **MENU** and select **Search**. You can also open the keyboard and press the **SEARCH** button.
- 2 Type your search string into the box, then select **Search**.

## Add signature to messages

You can append a signature to every message you send:

- 1 From a conversation list, press **MENU** and select **Settings**.
- 2 Select **Signature**.
- 3 Type your signature in the box. Your signature can be multiple lines, as long as you like. When finished, **OK**.

## Select labels to synchronize

You can choose to synchronize messages based on the labels you've assigned to them. Limiting the amount of email that is regularly synchronized will cut down on network data exchange.

- 1 From a conversation list, press **MENU** and select **Settings**.
- 2 Select **Labels** to open the Labels screen. In addition to the labels you've created, all the "system labels" (Inbox, Starred, Chats, Sent, Spam, and Trash) are listed.

---

- 3 Select a label name to cycle through the sync options: Sync recent, Sync all, or never (no sync option displays).

**Note:** You cannot turn off sync for Inbox except through the Home > Settings > Data synchronization options. Read more in “Sync by application” on page 32.

## Set new email notifications

You can receive a notification each time you receive a new email message:

- 1 From a conversation list, press MENU and select **Settings**.
- 2 Select the **Email notifications** check box to see an icon @ in the status bar when a new message arrives.
- 3 If you want a sound to play when a new message arrives, select **Select ringtone**. From the ringtone menu, select a ringtone that will play for new email notifications. Note that when you select a ringtone, it plays briefly. If you don't want a ringtone to play when you receive a new message, select **Silent**. The ringtone marked **Default ringtone** is defined in the Home > Settings > Sound & display > **Notification ringtone** menu.
- 4 If you want your phone to vibrate when you receive a new message, select the **Vibrate** check box.

## Gmail shortcuts

### Conversation list screen

Refresh list	MENU + u
Compose new	MENU + c
Open conversation to read	ENTER
Archive conversation	MENU + y
Jump to top of list	Press ALT + TRACKBALL roll UP
Jump to end of list	Press ALT + TRACKBALL roll DOWN
Page up	SHIFT + SPACEBAR
Page down	SPACEBAR

### Read message/conversation screen

Reply to last message in conversation	MENU + r
Reply all to last message in conversation	MENU + a
Forward last message in conversation	MENU + f
Archive conversation	MENU + y

## POP3 and IMAP email accounts

### Add an email account

You can fetch messages from up to five POP3 or IMAP accounts. Follow these steps:

- 1 Press **Home**, then select the Email application .
- 2 The Set up new account screen appears.
- 3 Type your account email address and password.
- 4 If you want, select the **Send email from this account by default** check box. This setting only applies if you have more than one POP3 or IMAP account set up.
- 5 Select **Next**.
  - If you have a popular email account, the application will set everything up for you! Before you go to your Inbox, you can name the account (if you don't, your email address will be used). You are also asked to type your name as you want it to display on outgoing messages. You must complete this field before you can select **Next** and go to your Inbox.
  - For less popular accounts, follow the prompts to type the email server, protocol, and other account information yourself. After your account settings have been verified, select **Next** to go to your Inbox.
- 6 To add more accounts (up to five), from an Inbox or your Accounts screen, press **MENU** and select **Add account**.

### Use your POP3 and IMAP email account

Once you've set up an account, you can do the following:

#### Refresh Inbox

From the Inbox, press **MENU** and then select **Refresh** to update your Inbox with any previously-unfetched email.

#### Read email

You can display or collapse the messages in your Inbox by selecting **Inbox**. Unread messages display with a colored band. (Each account you add will use a different color.)



To open an email for reading, select it.

---

**Forward, Reply, Reply all** You can forward, reply, or reply all to an email message from either the Inbox or the read view:

**From the read view**, press **MENU** and select the action you want to take.

**From the Inbox**, touch & hold the message to open its context menu. Select the action you want to take.

#### **Compose new**

From the Inbox:

- 1** Press **MENU** and select **Compose**.
- 2** Add recipients by typing a name or address in the To field. Matching contacts will appear. Select the recipient or continue typing the address. Add as many as you wish.
- 3** Type a subject and message.
- 4** Select **Send**, **Save as draft**, or **Discard**. Pressing **BACK** will also save as draft unless you have not typed anything.

#### **Delete message**

From the Inbox:

- 1** Expand the Inbox to display the messages.
- 2** Touch & hold the message you want to delete.
- 3** Select **Delete**.
- 4** Your message is moved to the Trash.

#### **Empty Trash**

Once you've moved a message to the Trash, a Trash folder will display below your Inbox. To empty messages in the Trash you must delete each message individually:

- 1** Expand the Trash folder to display the messages.
- 2** Touch & hold the message you want to delete to open the context menu.
- 3** Select **Delete**. Note that the message is only deleted from your phone, not from the account server.

### **Remove an email account**

You can always remove a POP3 or IMAP email account from your phone by doing the following:

- 1** Go to your Inbox.
- 2** Press **MENU** and select **Accounts**. Your Accounts screen opens.
- 3** Touch & hold the account you want to remove to open the context menu.
- 4** Select **Remove account**.
- 5** You will be asked to confirm before the account is removed.

## Edit account settings

To open your Account settings screen, do the following:

- 1 From your account Inbox, press **MENU** and select **Account settings**.
- 2 The Account settings screen appears. You can do the following from this screen:

<b>Account name</b>	Select to change the name of your account as it appears on your Accounts screen.
<b>Your name</b>	Select to change your name as it appears in outgoing email.
<b>Email check frequency</b>	Select this pop-up menu to set how frequently your email account is checked for new messages. Note that whenever you open a folder, email is refreshed, regardless of this setting.
<b>Default account</b>	If you have more than one POP3 or IMAP email account set up on your phone and want to use this account by default when selecting <b>Compose</b> from the Accounts screen, select this check box.
<b>Email notifications</b>	If you want an icon  to appear in the status bar when a new message arrives, select this check box.
<b>Incoming server settings</b>	Select <b>Incoming settings</b> if you need to edit the username/password, server, port, or option to delete email from server.
<b>Outgoing server settings</b>	Select <b>Outgoing settings</b> if you need to edit the SMTP server, port, security type, option to require sign-in, or username/password.
<b>Add another POP3 or IMAP account</b>	To add another account (you can add up to five), select <b>Add another account</b> .

3 To save your settings, press the **BACK** button.

---

## Email shortcuts

### Inbox screen

Refresh list	<b>MENU + r</b>
Compose new	<b>MENU + c</b>
Open highlighted message to read	<b>ENTER</b>
Jump to top folder (Inbox)	Press <b>ALT + TRACKBALL roll UP</b>
Jump to last folder	Press <b>ALT + TRACKBALL roll DOWN</b>
Page up	<b>SHIFT + SPACEBAR</b>
Page down	<b>SPACEBAR</b>

### Read message screen

Reply to message	<b>MENU + r</b>
Reply all to message	<b>MENU + a</b>
Forward message	<b>MENU + f</b>
Move message to Trash	<b>MENU + q</b>
Mark as unread	<b>MENU + u</b>

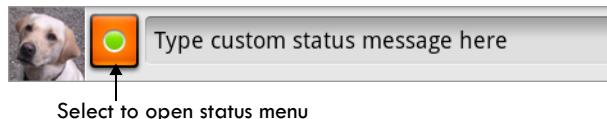
## Google Talk

You can use Google Talk™ instant messaging service to send instant messages to your friends. All you need is a Gmail account and you're set up. To open Google Talk, press **HOME** and select the IM icon . The IM accounts screen opens. The number of open chats displays opposite the account name. You can have as many open chats as you wish.

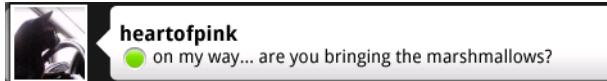
### Your Google Talk Friends list

On the IM accounts screen, select **Google Talk account**. Your Friends list appears. You can see and do the following from this screen:

**Change your status** Select your status (at the top of the list) to select **Available**, **Busy**, or **Invisible**. To set a custom status, type it in the text field.



**View open chats** If you have any open chats, they will display just below your status. If you have an unread message, it will display in the chat display.



Select the chat display to open the Chat screen.

**View your friends** In the list, friends are sorted first by their status:

- Available
- Away
- Busy
- Offline

Within the status groupings, friends are listed in alphabetical order, A-Z.

**Show all or just “most popular”** By default, only the friends that you communicate with most often – the “most popular” – are on the Friends list. If you want to display all your friends, press **MENU** and select **All friends**. To switch back to the most popular view, press **MENU** and select **Most popular**.

---

<b>View friend status</b>	To the left of a friend's name, you can see their online status in the upper-right corner of their icon:  - Available  - Away  - Busy  - Offline
<b>Mobile indicator</b>	To the far right of your friend's name, you might see an icon that reveals the last client from which they signed in. If you don't see an icon, then they signed in last from a computer.  - Signed in from Android phone  - Signed in from mobile phone To set whether or not a mobile indicator displays next to your name, read "Display mobile indicator" on page 55.
<b>Find a friend</b>	From the Friends list, start typing to filter your list to show only friends with names that match what you type.
<b>Block a friend</b>	<ol style="list-style-type: none"><li>1 From the Friends list, touch &amp; hold the friend's name to open the context menu.</li><li>2 Select <b>Block friend</b>.</li><li>3 Now the friend cannot send you messages and they are removed from your Friends list. They appear on the Blocked friends screen.</li><li>4 To unblock, from the Friends list, press <b>MENU</b> and select <b>Blocked friends</b>. Select the name of the friend you want to unblock and then confirm.</li></ol>
<b>Pin/unpin a friend</b>	To pin a friend is to make sure that friend always appears in your "most popular" list. <ol style="list-style-type: none"><li>1 From the Friends list, touch &amp; hold the friend's name to open the context menu.</li><li>2 Select <b>Pin friend</b> or <b>Unpin friend</b>, as appropriate.</li></ol>
<b>Show/hide a friend</b>	To hide a friend is to never show the friend on the "most popular" list. <ol style="list-style-type: none"><li>1 From the Friends list, touch &amp; hold the friend's name to open the context menu.</li><li>2 Select <b>Show friend</b> or <b>Hide friend</b>, as appropriate.</li></ol>

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<b>Switch between active chats</b>	If you have more than one chat going, you can switch between them by pressing <b>MENU</b> and selecting <b>Switch chats</b> , or use the keyboard shortcut <b>MENU + SPACEBAR</b> . On the panel that opens, select the chat you want to join.
<b>Close a chat</b>	From your Friends list, touch & hold the active chat to open the context menu. Select <b>Close chat</b> .
<b>Add a friend to your Friends list</b>	<ol style="list-style-type: none"><li>1 From the Friends list, press <b>MENU</b> and select <b>Add friend</b>.</li><li>2 You can add a friend stored in your Contacts application, or invite a new friend.<ul style="list-style-type: none"><li>• If you add from your Contacts, select a contact from the list.</li><li>• If you add a new friend, complete the information required on the Invite screen and select <b>Invite</b>.</li></ul></li></ol>
<b>View invites</b>	<ol style="list-style-type: none"><li>1 From the Friends list, press <b>MENU</b> and select <b>Invites</b>.</li><li>2 All chat invitations you've sent or have received are listed on the Pending invitations screen.</li><li>3 To accept a pending invitation, select it. Choose to <b>Accept</b> or <b>Decline</b>.</li><li>4 When someone you invite to chat accepts, the pending invitation disappears from the list.</li></ol>

## Chat

To start a chat, select a friend from the Friends list or highlight the friend and press **ENTER**. The Chat screen opens. From here you can:

<b>Start a chat</b>	<ol style="list-style-type: none"><li>1 Type your message using the keyboard.</li><li>2 To insert a smiley:<ul style="list-style-type: none"><li>• Press <b>MENU</b> and select <b>Insert smiley</b>. The character smiley appears.</li><li>• Select a smiley from the list.</li><li>• When ready, select <b>Send</b> or press <b>ENTER</b>. You can also just type the characters rather than selecting from the menu.</li></ul></li><li>3 When ready, select <b>Send</b> or press <b>ENTER</b>.</li></ol>
	<b>Note:</b> In the Chat screen, after every one minute of inactivity, a timestamp appears.

---

<b>Start a group chat</b>	You can invite more friends to chat from an existing Chat screen:
1	Press <b>MENU</b> and select <b>Add friend to chat</b> .
2	Select the additional friend to invite.
3	When the additional friend joins, a notification that the chat is now a "group chat" appears in the Chat screen for all participants to see.

<b>Close chat</b>	To close the current chat, press <b>MENU</b> and select <b>Close chat</b> .
<b>Block a friend</b>	While in a chat with a friend, if you want to block them from contacting in the future, press <b>MENU</b> and select <b>Block friend</b> .

## Sign in automatically

If you want to sign in to your Google Talk account automatically every time you power on your phone, make this setting:

- 1 From the Friends list, press **MENU** and select **More**, then select **Settings** from the menu that opens.
- 2 Select the **Automatically sign in** check box.
- 3 Press **BACK** to save your setting.

## Display mobile indicator

You can select to display an icon in others' Friends lists that indicate what type of mobile client you're using:

- 1 From the Friends list, press **MENU** and select **More**, then select **Settings** from the menu that opens.
- 2 Select the **Mobile indicator** check box.
- 3 Press **BACK** to save your setting.

The appropriate mobile icon will now display to the far right of your name in others' Friends lists:

 - Signed in from Android phone

 - Signed in from mobile phone

If you are signed in from a computer, no indicator will display. If you are signed in from multiple clients, then the client you've most recently signed in from will display.

---

## Set new message notifications

You can receive a notification each time you receive a new instant message:

- 1 From a Friends list, press **MENU** and select **Settings**.
- 2 Select the **IM notifications** check box to receive a notification  in the status bar when a new message arrives.
- 3 If you want your phone to ring when a new message arrives, select **Select ringtone**. From the ringtone menu, select a ringtone specific to new IM message notifications. Note that when you check a ringtone, it plays briefly. If you don't want a ringtone to play when you receive a new message, select **Silent**.
- 4 If you want your phone to vibrate when you receive a new message, select the **Vibrate** check box.

## Sign out

To sign out, from the Friends list, press **MENU** and select **More > Sign out**.

## Add other IM accounts

If you have another instant messaging account and if it is available on your phone, you can add it to your list of accounts and use your phone to chat with those friends as well:

- 1 Go to the IM accounts screen. If you are viewing your Friends list, press **MENU** and select **More > Account list**. From a Chat screen, press **BACK** until you're on the IM accounts screen.
- 2 Select the account type you want to add. The Sign-in screen appears.
- 3 Type your username and password. Select the **Remember my password** and the **Sign me in automatically** check boxes if you want.
- 4 Select **Sign in**.
- 5 Your Friends list appears.

**Note:** If your IM account displays friends in groups, each group will appear in a collapsible group "header". Select the header to open the list; select again to close.

## SMS and MMS messaging

To open the SMS & MMS Messaging application, press **HOME** and select the Messaging icon .

### About text and multimedia messages

SMS messages are also known as “text” messages and can each be around 160 characters. If you continue to type after the limit is reached, your message will be delivered as one, but count as more than one message. These are called “concatenated” messages.

MMS messages are also known as “multimedia” or “picture” messages and can contain text, picture, audio, and video files.

When you compose a message, the phone will automatically convert a text message into a multimedia message as soon as you add a subject or an attachment, or if you address the message using an email address rather than a phone number.

### The message list

Like Gmail, text and multimedia messages are grouped with the replies you receive into conversations or “message threads” or just “threads”. Message threads are listed in order of when you received them (newest at the top). To open a thread for reading, select it. Read more below. Unread messages appear with a green band on the left.

### The Read view

Select a message thread in the list to open it for reading. When open, the individual messages appear stacked on the screen, much like with instant messaging conversations (or chats). Note that messages you send are also listed in the Read view.

**Reading multimedia messages** If you have selected to auto-retrieve your multimedia messages, then both the message header and body will download. (Read more in “Text and multimedia message settings” on page 60.) To view your message, select the “play” button.

If you are downloading only the headers, then you must first select the **Download** button to retrieve the message body. If you are concerned about the size of your data downloads, you can check the message size before you download.

Helen Kent: <Subject: Happy Birthday!!!>  
Message size: 16KB  
Expires: Jul 28

Download

Once the message has downloaded, select the “play” button to view the message.

---

From a message read view, you can do the following:

**Open a message for reading** Open a message for reading by either selecting it, or highlighting it and pressing **ENTER**.

**Reply to a message**

- 1 Simply start typing your message in the text box at the bottom of the screen to reply to a message.
- 2 You can always press **MENU** and select to add a subject or an attachment to convert it to a multimedia message.
- 3 Select **Send** or press **ENTER** when ready.

**Links in messages**

If a message contains a link to a Web page, it will be selectable. To view the Web page in the Browser, simply select it.

**Delete messages**

Your messages will be saved until you explicitly delete them.

- **Delete one message in a thread** - With the message thread open in Read view, touch & hold the individual message you want to delete to open the context menu. Select **Delete message**.
- **Delete all messages in a thread** - With the message thread open in Read view, press **MENU** and select **More > Delete** entire thread. You can also delete an entire thread from the message list by pressing & holding the thread to open the context menu, then selecting **Delete**.
- **Delete all message threads** - From the message list, press **MENU** and select **Delete all threads**.

**Delivery problems**

If a message you sent appears with this icon  on the right, there was a delivery problem. Touch & hold the message to open the context menu. You can edit, retry sending, or delete the message. To see all your undelivered messages (assuming there is at least one), from the message list, press **MENU** and select **Undelivered messages**.

**View message details**

To view details about a particular message, in the Read view, touch & hold the message to open the context menu. Select **View message details**.

**View message delivery or read reports** If a message contains a delivery or read report (you would have requested it in Settings), you'll see this icon to the right of the message  .

Touch & hold the message to open the context menu. Select **View report**. Status icons are shown and mean the following:

 - Delivery problem

 - Message delivered

 - Message is being delivered

Read more about delivery and read reports in "Text and multimedia message settings" on page 60.

## Compose text and multimedia messages

- 1 Press **MENU** and select **Compose**. The Compose screen opens.
- 2 Add recipients by typing a name, phone number, or email address in the **To** field. Matching contacts will appear. Select the recipient or continue typing. Add as many recipients as you wish. If you send the message to an email address, the message will automatically convert from a text to a multimedia message.
- 3 To add a subject, press **MENU** and select **Add subject**. If you add a subject, the message will convert to a multimedia message.
- 4 To add an attachment, press **MENU** and select **Attach**. Adding an attachment will always convert the message to a multimedia message. Select from audio or picture files. You can select to take a new picture if you want, or record an audio file. Any recordings you make will be stored automatically in the Music application in a playlist named "My recordings". To remove an attachment, select the attachment's **Remove** button.
- 5 Type your message. As you type, you'll be able to track how many characters/messages you're creating. Remember that text messages have a limit around 160 characters. Once you go over that limit, a new message is actually created but automatically joined into one when received.
- 6 Select **Send** or press **ENTER** when ready. You can also save a draft. Read more below.
- 7 As your message sends, progress displays in the title bar. If you see this icon  to the right of the message, it means your message is still being delivered.

## Save message as draft

- 1 While composing, press **BACK**.
- 2 Your message automatically saves as a draft.
- 3 To resume composing, in the message list, touch & hold the message and select **Edit**.

## Text and multimedia message settings

To set text and multimedia message preferences, from the message list, press **MENU** and select **Settings**. You can set the following from this screen:

### Notification settings

New message notifications	<p>You can receive a notification each time you receive a new message:</p> <ol style="list-style-type: none"><li>1 From a message list, press <b>MENU</b> and select <b>Settings</b>.</li><li>2 Select the <b>Notifications</b> check box to receive a notification  in the status bar when a new message arrives.</li><li>3 If you want your phone to ring when a new message arrives, select that check box as well. Select <b>Ringtone</b> to open the ringtone menu and select a ringtone specific to new text and multimedia message notifications. Note that when you check a ringtone, it plays briefly.</li><li>4 If you want your phone to vibrate when you receive a new message, select the <b>Vibrate</b> check box.</li></ol>
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### Text message settings

Delivery reports	<p>To receive a report on the delivery status of your message, select this check box. Status can be:</p> <ul style="list-style-type: none"><li>• Successful delivery</li><li>• Temporary delivery failure; an attempt to deliver will be made again</li><li>• Unsuccessful delivery; no attempt to re-deliver will be made</li></ul>
Manage messages on SIM card	<p>Text messages can also be stored on your SIM card. The exact number depends on your card, but it is usually around 25-50. To view messages on your SIM card, delete them, and copy them to your phone memory, select this setting.</p>

### Multimedia message settings

Delivery reports	<p>To receive a report on the delivery status of your message, select this check box. Status can be:</p> <ul style="list-style-type: none"><li>• Successful delivery</li><li>• Temporary delivery failure; an attempt to deliver will be made again</li><li>• Unsuccessful delivery, where no attempt to re-deliver will be made</li></ul>
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Read reports	To receive a report on whether each recipient has read or deleted the message without reading it, select this check box.
Auto-retrieve	To retrieve all your MMS messages automatically (the header plus the message will download to your phone), select this check box. If you clear this check box, then only the message headers will be retrieved and display in your message list. You can retrieve the full message by selecting the <b>Download</b> button that displays in the header. Once the message has downloaded, select the “play” button to expand the message.
Roaming auto-retrieve	If you are concerned about data traffic and just want the message headers to download while roaming, clear the <b>Roaming auto-retrieve</b> check box. Otherwise, you can select this check box to have your messages download even while roaming.

# Browser

## About the Browser

To open the Browser, press **HOME** and select the Browser icon .

The Browser always opens to the last Web page you were viewing. The first time you enter the Browser after powering on, your home page will display. You can change your home page by pressing **MENU** and selecting **More > Settings > Set home page**. To go to your home page from any Web site, press **MENU + SPACEBAR** key.

### Zoom and navigation in Web pages

While viewing a Web page, take advantage of the following zoom and navigation techniques:

#### Zoom in

- 1 Touch the screen to open the zoom-in and zoom-out controls . You can also press **MENU** and select **More > Zoom** to open the zoom controls.
- 2 Touch the **+** control to zoom in. With each touch you zoom in closer.

#### Zoom out

- 1 Touch the screen to open the zoom-in and zoom-out controls . You can also press **MENU** and select **More > Zoom** to open the zoom controls.
- 2 Touch the **-** control to zoom out. With each touch you zoom out further.

#### Navigate

- Roll the **TRACKBALL** in any direction to shift your page view.
- Slide your fingertip in any direction to shift your page view.
- Touch the screen to reveal the zoom controls and the “scale & scroll” icon at the bottom right of the screen: . Touch the icon. The entire Web page will display in the screen and the magnifying window will open. Drag the window to the portion of the Web page you want view, then release. (Read more in “Scale & scroll” on page 16.)

## The Browse screen

From the Browse screen you can do the following:

### Go to a Web page

- 1 Make sure the focus is **not** on a text box and then start typing the URL.
- 2 The Go to window opens. Possible matches appear in the drop-down menu. Select a match or continue typing the URL.
- 3 Press **ENTER** to go to the page.

### Navigate within pages

You can navigate on a Web page in a variety of ways:

- To navigate on a Web page, slide your fingertip on the screen, generally in the opposite direction that you want to view.
- To traverse a Web page by jumping from link to link, roll the **TRACKBALL** to navigate.
- Touch the screen to reveal the zoom controls and the “scale & scroll” icon at the bottom right of the screen: . Touch the icon. The magnifying window opens and the Web page reduces to fit the width of the screen. Move the magnifying box to the part of the page you want to view, then touch the box or click the **TRACKBALL**. (Read more in “Scale & scroll” on page 16.)

### Zoom in/out

You can zoom in/out on a Web page in a couple of ways:

- Press **MENU** and select **More > Settings > Zoom** to open the zoom controls: . Press the + magnifier to zoom in; press the - magnifier to zoom out.
- If you’re on a page with contents that don’t fit completely within the screen, the zoom controls will appear when you touch the screen.
- Touch the screen to reveal the zoom controls and the “scale & scroll” icon at the bottom right of the screen: . Touch the icon. The magnifying window opens and the Web page reduces to fit the width of the screen. Move the magnifying box to the part of the page you want to view, then touch the box or click the **TRACKBALL**. (Read more in “Scale & scroll” on page 16.)

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<b>Add a bookmark</b>	Bookmark the Web page you are currently viewing: <ol style="list-style-type: none"><li>1 Press <b>MENU</b> and select <b>Bookmarks</b>.</li><li>2 From the Bookmarks screen, select <b>New bookmark</b>.</li><li>3 Confirm the URL and name, then select <b>OK</b>.</li></ol> Bookmark a highlighted link on a Web page: <ol style="list-style-type: none"><li>1 Press &amp; hold the <b>TRACKBALL</b> to open the context menu.</li><li>2 Select <b>Bookmark link</b>.</li></ol> To view all your bookmarks, press <b>MENU</b> and select <b>Bookmarks</b> .
<b>Refresh a Web page</b>	To refresh the contents of the current page, press <b>MENU</b> and select <b>Refresh</b> .

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## Screen orientation

When your keyboard is open, Web pages will always display using landscape orientation. However, when your keyboard is closed, you can change orientation by pressing **MENU** and selecting **Flip orientation**. The orientation will “stick” until you explicitly change it.

---

## Open pages in separate windows

You can keep more than one Web page open by using multiple windows to display the pages. You can open up to eight windows.

<b>Open a new window</b>	<ol style="list-style-type: none"><li>1 From a Web page, press <b>MENU</b> and select <b>Window</b>. The Current windows screen opens, showing the Web page you started from, plus a “new window”.</li><li>2 Select <b>New window</b>.</li><li>3 Your home page opens in a new window.</li><li>4 To return to one of the other windows, press <b>MENU</b> and select <b>Window</b>. Select the page you want to view.</li></ol>
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<b>View the page in a window</b>	Select a window to view it full-screen. Alternatively, you can use the context menu: <ol style="list-style-type: none"><li>1 From a Web page, press <b>MENU</b> and select <b>Window</b>. The Current windows screen appears.</li><li>2 Touch &amp; hold the window you want to view. The context menu opens.</li><li>3 Select <b>View</b>.</li></ol>
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<b>Close a window</b>	Touch the “X” in the lower-right corner of the window you want to close. Alternatively, you can use the context menu: <ol style="list-style-type: none"><li>1 From a Web page, press <b>MENU</b> and select <b>Window</b>.</li><li>2 Touch &amp; hold the window you want to close. The context menu opens.</li><li>3 Select <b>Close</b>.</li></ol>
<b>Bookmark the page displayed in a window</b>	<ol style="list-style-type: none"><li>1 From a Web page, press <b>MENU</b> and select <b>Window</b>. The Current windows screen appears.</li><li>2 Touch &amp; hold the window whose page you want to bookmark. The context menu opens.</li><li>3 Select <b>Bookmark</b>.</li><li>4 Confirm the URL and name, then select <b>OK</b>.</li></ol>
<b>View page info</b>	<ol style="list-style-type: none"><li>1 From a Web page, press <b>MENU</b> and select <b>Window</b>. The Current windows screen appears.</li><li>2 Touch &amp; hold the window whose page you want to bookmark. The context menu opens.</li><li>3 Select <b>Page info</b>.</li><li>4 When you're finished reading the information, select <b>OK</b>.</li></ol>
<b>Go to Bookmarks screen</b>	From the Current windows screen, press <b>MENU</b> and select <b>Bookmarks</b> to go to your list of bookmarks.
<b>View Browser history</b>	From the Current windows screen, press <b>MENU</b> and select <b>History</b> to go to your Recently-visited pages screen. Read more in “Browser history” on page 68.

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## Manage bookmarks

You can store as many bookmarks as you want on your phone.

<b>Bookmark any page</b>	<ol style="list-style-type: none"><li>1 Press <b>MENU</b> and select <b>Bookmarks</b>. The Bookmarks screen opens.</li><li>2 Select <b>New bookmark</b>.</li><li>3 Type a name and location (URL) in the dialog box.</li><li>4 Select <b>OK</b>.</li></ol>
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**Send bookmarked page's URL**

- 1 Press MENU and select Bookmarks. The Bookmarks screen opens.
- 2 Touch & hold the bookmark you want to send. The context menu opens.
- 3 Select Share link.
- 4 An email Compose screen opens with the URL as the message.
- 5 Address your message and finish composing.
- 6 Select Send or press ENTER.

**View bookmarked page**

- 1 Press MENU and select Bookmarks. The Bookmarks screen opens.
- 2 Touch & hold the bookmark you want to open. The context menu opens.
- 3 Select View page or Open in new window.

**Edit bookmark**

- 1 Press MENU and select Bookmarks. The Bookmarks screen opens.
- 2 Touch & hold the bookmark you want to edit. The context menu opens.
- 3 Select Edit bookmark. The edit bookmark dialog box opens.
- 4 Type your change and select OK.

**Delete a bookmark**

- 1 Press MENU and select Bookmarks. The Bookmarks screen opens.
- 2 Touch & hold the bookmark you want to send. The context menu opens.
- 3 Select Delete bookmark. You will be asked to confirm.

**Bookmark current page**

- 1 Go to a Web page you want to bookmark.
- 2 Press MENU and select Bookmarks. The Bookmarks screen opens.
- 3 Press MENU and select Bookmark last-viewed page. The Bookmark link dialog box opens. Confirm or edit the information, then select OK.

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## Set your home page

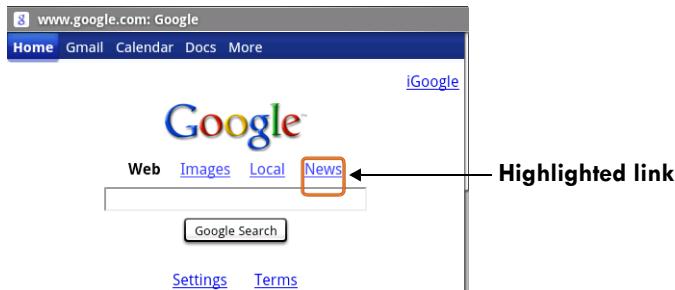
You set your home page from the Settings screen:

- 1 Press MENU and select More > Settings. The Settings screen opens.
- 2 In the Page content section, select Set home page to open the dialog box.
- 3 Type the URL of the page you want to set as home, then select OK.

The shortcut to go to your home page is **MENU + SPACEBAR**. You can also press **MENU** and select **More > Home page**.

## Links in Web pages

Navigate the links on a page using the **TRACKBALL**. Links are outlined in yellow when highlighted.



To go to a link, highlight the link using the **TRACKBALL** or by touching the screen, then select the link by clicking the **TRACKBALL** or by touching it again with your fingertip.

**Tip:** When links are too small to touch directly on the screen, highlight the link with the **TRACKBALL**, then either click the **TRACKBALL** to open the link, or press & hold the **TRACKBALL** to open the link's context menu.

### URLs

- Select a link to jump to the URL.
- Touch & hold a link to open the context menu and:
  - Open link in new window
  - Bookmark the link
  - Copy the link to the clipboard
  - Share link via email

### Phone numbers

Select a linked phone number to:

- Call the number - The Dialer opens, ready for you to send the call.
- Add the number to your Contact list - Opens the New contact screen for you to complete and save.

### Email addresses

Select a linked email address to:

- Send email - Opens an email Compose screen with the email address added for you to complete and send.
- Copy email address to clipboard.

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**Streaming audio** Select a link to a streaming audio file to play the file using the Music application.

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## Browser history

The Recently-visited pages (history) screen lists the last 250 sites you've visited on the Web. To view your Web site history:

- From the Browser screen, press **MENU** and select **More > History**, or
- Press **MENU + h**.

Select a Web site from the Recently-visited pages list to go to the site.

---

## Download Web files and applications

Before you download any files or applications using the Browser, note the following:

- Before you can download Web applications, you must explicitly “allow” downloading from the **Home > Settings** screen:
  - 1 Press **HOME**, then press **MENU** and select **Settings**.
  - 2 Select **Applications**, then on the Application settings screen, select the **Unknown sources** check box.
- All items downloaded from the Web are stored on your SD card, so be sure you have a card installed in your phone before you download from the Browser. (Read more in “SD card slot” on page 11.)
- The Browser will only allow you to download items that are supported by an application installed on the phone.

**Warning!** Applications downloaded from the Web can be from unknown sources. To protect your phone and personal data, only download applications from sources you trust, such as Android Market.

## View your downloads

To see which files or applications you've downloaded:

- 1 From the Browse screen, press **MENU** and select **More > View downloads**.
- 2 The Download history screen appears with the list of downloads. If you have no downloads, nothing will be shown on this screen.

## Browser settings

To set Browser preferences, from the Browser screen, press **MENU** and select **More > Settings**.

### Page content settings

#### Text size

Select to open the **Text size** menu. Default setting is **Normal**, but you can increase the size to **Larger** or **Largest**, or decrease to **Smaller** or **Smallest**. Note that this text size setting only affects pages you view through the Browser.

#### Block pop-up windows

Select this check box if you want pop-up windows to be blocked.

#### Load images

Select this check box if you want images on Web pages to load. For faster page loading, clear this check box.

#### Auto-fit pages

Select to size pages to the screen automatically.

#### Enable JavaScript™

Select to enable JavaScript on pages. Disabling JavaScript may cause some Web pages to not work properly.

#### Open in background

Select if you want links to new pages to open in a new window in the background.

#### Set home page

Your currently-set home page is shown on the **Settings** screen. To change your home, select **Set home page**, type the URL for your home page, then select **OK**.

### Privacy settings

Select one of the privacy settings to clear the following:

- Browser cache
- Browser page-visited history
- stored cookie data
- saved form data

#### Accept cookies

Select this check box if you want the Browser to save cookies. Some Web sites might not work properly with cookies disabled.

#### Remember form data

Select this check box if you want the Browser to remember text you have typed in forms, so that you can select the same text later rather than retyping it.

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## Security settings

Remember passwords	Select this check box to save usernames and passwords to various Web sites.
Clear passwords	Select <b>Clear passwords</b> to clear all your saved passwords.
Show security warnings	Select this check box if you want a warning to be displayed when you are going to an insecure Web site.

## Advanced settings

Enable Google Gears™ open source browser plugin	Select to enable the Gears Browser plugin. Google Gears extends the Browser with APIs to create a richer platform for Web applications.
Gears settings	View permissions granted to Web sites to use Gears.
Reset to default	Select if you want to reset all Browser settings to factory default values, except for your home page.

---

## Browser shortcuts

### Browse screen

Open Go to window	MENU + I
Open Bookmarks	MENU + b
Open Windows	MENU + t
View history (recently-visited)	MENU + h
Refresh or stop page	MENU + r
Go back a page	MENU + j
Go forward a page	MENU + k
Jump to top/bottom of page	ALT + roll TRACKBALL up/down
Go to home page	MENU + SPACEBAR
Zoom in	MENU + i
Zoom out	MENU + o
Page down	SPACEBAR
Page up	SHIFT + SPACEBAR

# Google Maps

## About Google Maps

To open Google Maps™ mapping service, press **HOME** and select the Maps icon .

Maps opens by default in “Map mode”. To read more about the different map modes, read “Select map mode” on page 76.

### Zoom and navigation in maps

While viewing a map, take advantage of the following zoom and navigation techniques:

**Zoom in** 1 Use the keyboard shortcut **MENU** + **i** to zoom in. You can also open the zoom-in and zoom-out controls  by doing one of the following:

- Touch the screen.
- Use the keyboard shortcut **MENU** + **z**.
- Press **MENU** and select **More > Zoom**.

2 If using the zoom controls, touch the **+** control to zoom in. With each touch you zoom in closer.

**Zoom out** 1 Use the keyboard shortcut **MENU** + **o** to zoom out. You can also open the zoom-in and zoom-out controls  by doing one of the following:

- Touch the screen.
- Use the keyboard shortcut **MENU** + **z**.
- Press **MENU** and select **More > Zoom**.

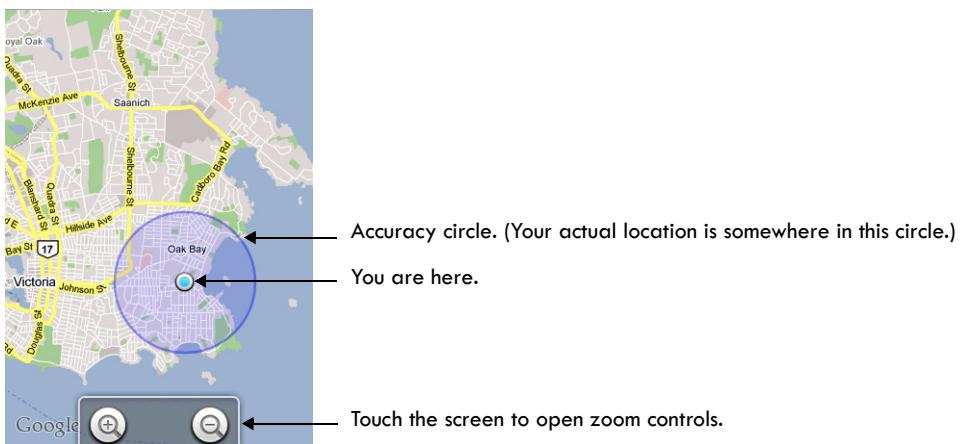
2 If using the zoom controls, touch the **-** control to zoom out. With each touch you zoom out further.

**Navigate**

- Slide your fingertip in any direction to shift your map view.
- Roll the **TRACKBALL** in any direction to shift your map view.

## Find your location

- 1 Make sure you have enabled a “location source” in global Settings by doing the following:
  - Press **HOME**, then press **MENU** and select **Settings**.
  - Select **Security & location**.
  - Select either **Wireless networks** or **GPS satellites**, or both.
- 2 From the main Map screen, press **MENU** and select **My Location**.
- 3 Your location is shown on the map as a blue blinking dot surrounded by a circle . The “accuracy circle” will typically have a larger radius when using wireless networks rather than GPS to determine your location. (Read more in “My Location” on page 29.)



## Find any location

- 1 From the main Map screen, press **MENU** and select **Search**.
- 2 You can use a variety of search criteria in the search box:
  - Type an address.
  - Type a type of business and city (e.g., *sushi seattle*).
  - Select an address you've visited before in Maps from the drop-down menu (stored in **History**).

3 Select **Search** when ready. Your search results display.

Search results

Ajisai Sushi Bar	2801 Tudor Ave, Seattle, WA
	1 (206) 555-0459
Big Fish Sushi	401 Harrison, Seattle, WA
	1 (206) 555-3398
Downtown Sushi	1038 King Ave, Seattle, WA
	1 (206) 555-3721
Fish on Rice	408 Stanley Ave, Seattle, WA
	1 (206) 555-1048
Haloooo Sushi	700 Miller Road, Seattle, WA
	1 (206) 555-4972
Izumo Japanese Restaurant	4414 Lenev Place, Seattle, WA
	1 (206) 787-7070

**Edit search** **Show map**

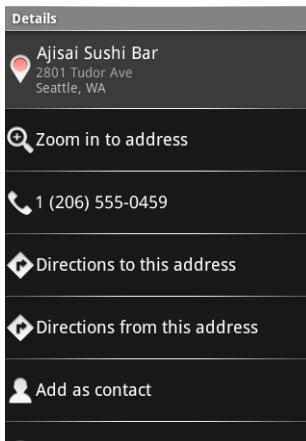
4 Select **Show map** to see the highlighted result on a map.



Select the left/right arrows to display the location of the previous/next result.

---

5 Touch the result balloon to open the location's details.



In addition to seeing details about the location, from this screen you can:

- Zoom in to address
- Dial the number
- Get directions to address to another location
- Get directions from this address to another location
- Add to Contacts
- Go to associated Web site, if available

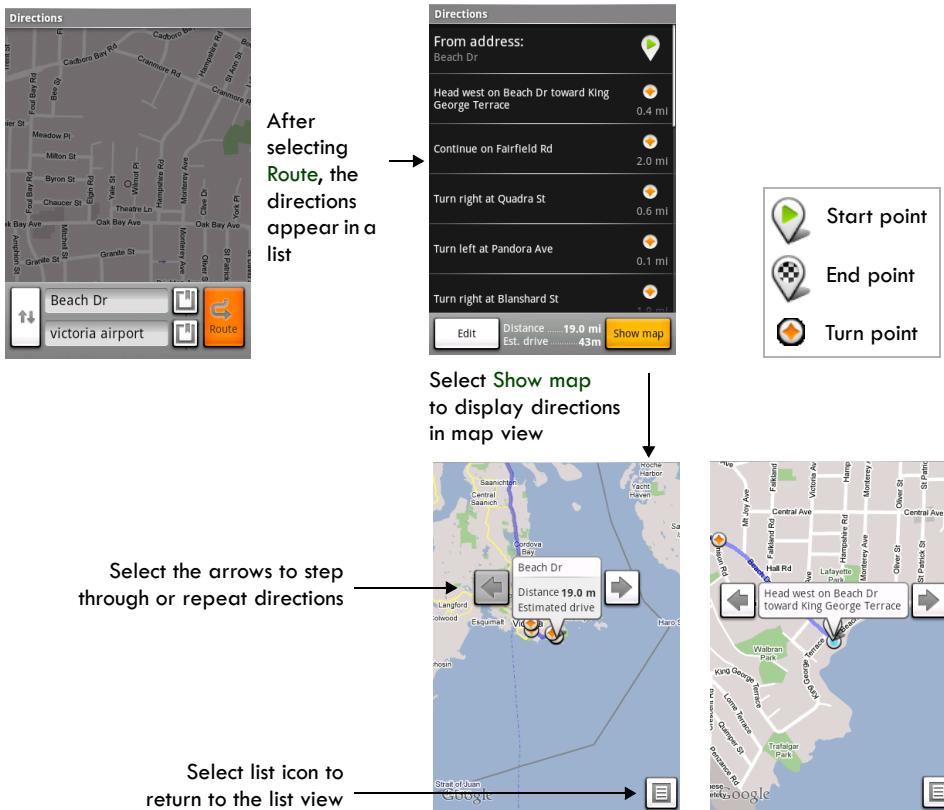
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## Get directions

To get detailed directions to a location, do the following:

- 1 From the main Map screen, press **MENU** and select Directions.
- 2 Enter the starting point in the first box. You can type an address, or select to open the location source menu. Select from:
  - **My current location** - Remember to have a location selected. (Read how in "Find your location" on page 72.)
  - **Contacts** - Opens a list of the contacts you've stored with a physical address.
  - **History** - Opens a menu of places you've visited.
- 3 Enter your destination in the second box. You can type an address or select to select from the location source menu.

4 Select **Route**. You can choose to view your directions in a list, or you can select **Show map**, to view the same directions overlaid on a map.

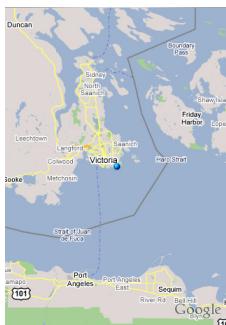


5 When finished reading or following the directions, press **MENU** and select **Clear map**. Your destination is saved in History.

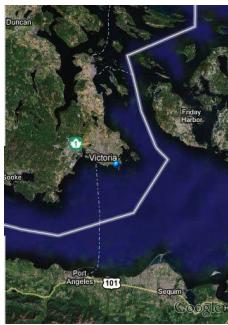
## Select map mode

Whenever you are viewing a map, you can switch your view. Press  **MENU** and select **Map mode** to select from **Map**, **Satellite**, **Traffic**, or **Street View**.

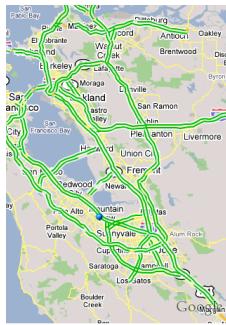
**Map view**



**Satellite view**



**Traffic view**



**Google Street View™**



### Map view

This is the default view and displays a map, complete with names of streets, rivers, lakes, mountains, parks, and boundaries.

### Satellite view

Satellite images are not real-time. Google Maps acquires the best imagery available, most of which is approximately one to three years old.

### Traffic view

If available in your area, real-time traffic conditions are displayed over the highway as color-coded lines. Each color represents how fast the traffic is moving:

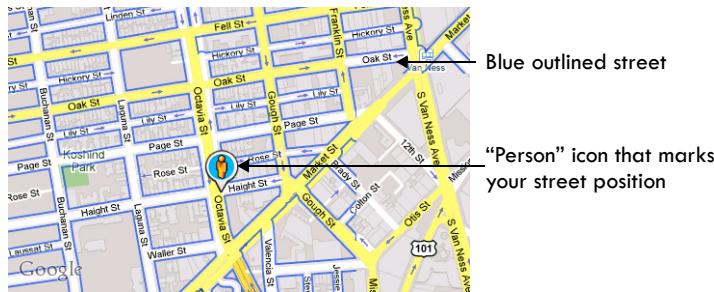
- Green > 50 mph
- Yellow 25 - 50 mph
- Red < 25 mph
- Gray Speed not available

## Street View

In some areas, a street-level photo view is available. Street View imagery is not real-time but is gathered by vehicles driving on public streets. The imagery consists of a combination of Google-owned data and data obtained from partners.

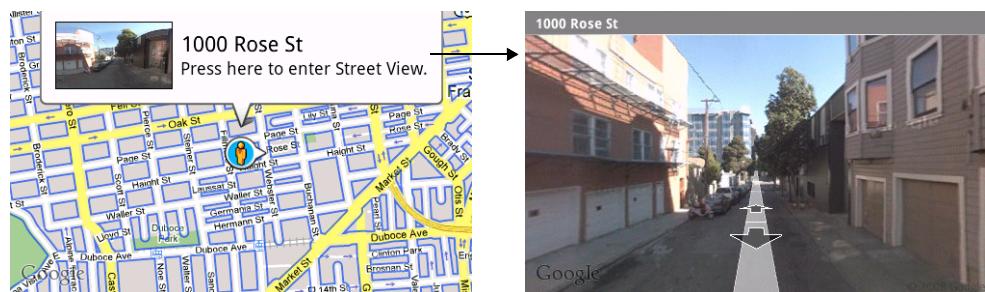
To use street view, do the following:

- 1 Press  **MENU** and select **Map mode**. From the menu, select **Street View**.
- 2 If the display switches to a view that shows blue outlined streets, then you are viewing an area that supports street view.



If you do not see any blue lined streets, then use [Search](#) to find an area that supports street view.

- 3 If you want to move your street position, touch & hold the person icon . The icon will then change so you can use the bulls-eye to pinpoint your desired position . Release when you've positioned the icon where you want it.
- 4 Street View will then find a view that you can enter. Select the address balloon to view the street.



Once on the street, touch the arrows to move your position or press **MENU** to Step forward, backward, zoom, or return to the map. You can also navigate by moving your fingertip around on the screen.

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- 5 To have your view orient to your actual position as you turn, press **MENU** and select **Compass mode**. (To turn off Compass mode, select the menu item again.)
- 6 If you encounter a street view image that is inappropriate in any way, you can report the image by pressing **MENU** and selecting **Report image**. The Browser will take you to a site where you can make your report.

---

## Map history

To open the History screen, press **MENU** and select **More > Search history**, or press **MENU + h**.

The History screen lists all recent searches and viewed positions  and directions . Selecting an item opens it on the map.

---

## Map shortcuts

### Map screen

Directions	<b>MENU + d</b>
Select map mode	<b>MENU + m</b>
History	<b>MENU + h</b>
My Location	<b>MENU + 0 (zero)</b>
Open zoom controls	<b>MENU + z</b>
Zoom in	<b>MENU + i</b>
Zoom out	<b>MENU + o</b>
Jump to top/bottom of list	<b>ALT + roll TRACKBALL</b>

### Search results screen

Clear search	<b>MENU + q</b>
Previous result on map	<b>MENU + j</b>
Next result on map	<b>MENU + k</b>

### Directions screen

Prev direction point	<b>MENU + j</b>
Next direction point	<b>MENU + k</b>
Cancel directions	<b>MENU + q</b>

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# Dialer & Voice Dialer

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## About the dialers

You can use your phone to make phone calls by using either the Dialer or the Voice Dialer:

- To dial a number using the on-screen dial pad or the keyboard, press **CALL**, or press **HOME** and select the Dialer icon .
- To dial by speaking either a number or contact name, press & hold **CALL**, or press **HOME** and select the Voice Dialer icon .

## Bluetooth devices

You can place and receive calls using a hands-free Bluetooth headset or hands-free car kit. Before you can use your Bluetooth device, follow these steps:

- 1 Turn Bluetooth “on”. (Read more in “Turn on Bluetooth services” on page 34.)
- 2 Get your headset or hands-free car device ready for pairing by following the manufacturer's instructions.
- 3 Pair and connect your phone to the Bluetooth headset or car kit. (Read more in “Pair & connect with Bluetooth devices” on page 35.)
- 4 You are ready to use your headset or car kit to place and receive calls.

## Make a call by dialing

- 1 From anywhere on your phone, press **CALL** to open the Call log. Select the Dialer tab to open the Dialer.



- 2 You have several choices for placing a call:

**Dialer tab** Touch the on-screen dial pad to enter a number, or open the display to type using the keyboard number keys. If using the dial pad, select  to delete numbers you've entered. Touch & hold  to delete all the numbers in the field.

**Call log tab** Select an entry listed in the log to call the number. Read more in “Call log” on page 86.

**Contacts tab** Contacts with phone numbers are listed. Select a contact, then select the phone number to dial the call. Read more in “Contacts” on page 36.

**Favorites tab** Favorite contacts with phone numbers are listed. Select a favorite, then select the phone number to dial the call. Read more in “Assign favorites” on page 38.

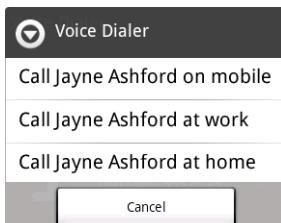
## Make a call by speaking

You can make a phone call by opening the Voice Dialer and speaking:

- 1 Press & hold **CALL**, or press **HOME** and select the Voice Dialer icon .
- 2 Wait until you hear a tone and the Voice Dialer reports on the screen that it is "listening".



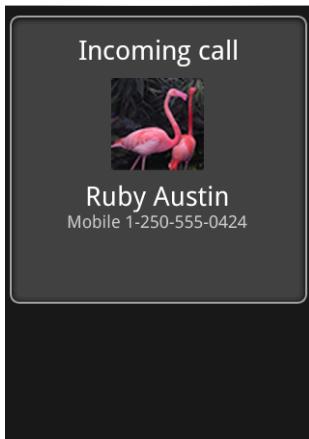
- 3 You can tell the Voice Dialer any of the following:
  - "Dial *number*", where *number* can be 3 digits (e.g., 911), 7 digits (e.g., 555-0123), or 10 digits (e.g., 205-555-0123). If you're speaking a phone number, then always say "Dial" before the number.
  - "Call *name*", where *name* is a contact stored on your phone in Contacts. If you're speaking a name, then always say "Call" before the name.
  - "Call voicemail" to dial your voicemail number.
  - "Redial" to dial the last outgoing call.
- 4 Regardless of what you tell the Voice Dialer, you will be asked to confirm your choice from a menu. If you spoke a name with more than one match in Contacts, or if you've stored more than one number for the contact, you'll be asked to select the number.



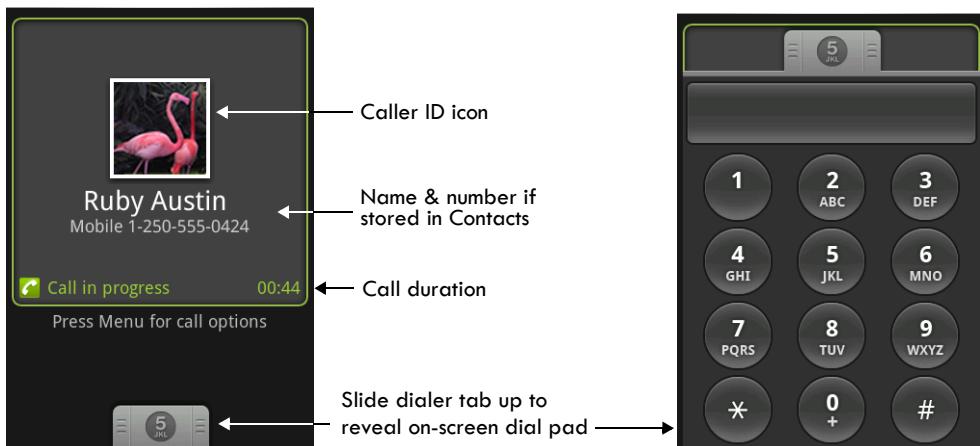
You can always cancel the call at this point by selecting **Cancel** on the dialog box.

- 5 Once you select or confirm your choice, your call is placed.

## Answer an incoming call

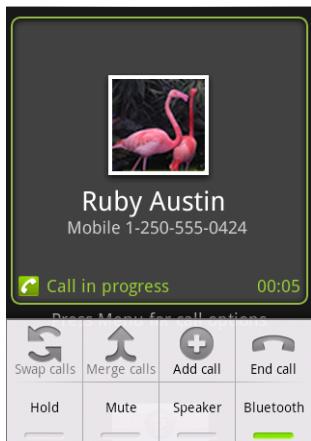


To answer a call, simply press the **CALL** button. The Call-in-progress screen appears. If you want to send the call directly to voicemail instead of answering, press the **END CALL** button.



## In-call options

While on a call, press **MENU** to reveal the in-call options: Speaker, Mute, and Hold. Note that if Bluetooth services are on and you are connected to a hands-free device, the menu indicator will show Bluetooth on.



### **Speaker**



To use the speaker, press **MENU** and select **Speaker** so it shows a green bar. To turn it off, select it again so the bar is unfilled . The status bar will display this icon when the speaker is on.

### **Mute**



To mute your side of the conversation, press **MENU** and select **Mute** so it shows a green bar. To turn it off, select it again so the bar is unfilled . The status bar will display this icon when Mute is on.

### **Hold**



To put an active call on hold, press **MENU** and select **Hold** so it shows a green bar. To resume the call, or take the call off hold, select it again so the bar is unfilled . If you take a call while already on a call, the first call will be placed on hold automatically. The status bar will display this icon when a call is on hold.

### **Show dial pad**



If you need to enter numbers while on a call (such as to select in-call menu options) slide the dialer tab up.

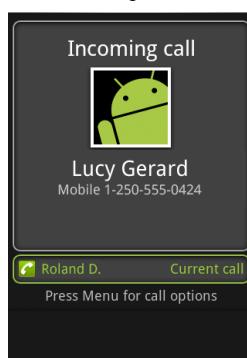
## Multiple calls

### Incoming call during call in progress

If you are on a call ("call in progress") when another call comes in ("incoming call"), you have a few choices:

#### Answer incoming, hold call in progress

The incoming call will display in the foreground.



Press **CALL** to answer the incoming call and place the call in progress on hold. You can also press **MENU** and select **Hold call in progress & answer**.

To switch calls at any time, press **MENU** and select **Switch calls**.

#### Send incoming to voicemail

If you don't want to interrupt your call in progress, then press **END CALL**. The incoming call is sent to voicemail.

#### Answer incoming, end call in progress

To end the call in progress and answer the incoming, press **MENU** and select **End call in progress & answer**.

If you are on a call with a second call on hold when another call comes in, you can:

- Press **CALL** to end the call in progress and answer the incoming call (the call on hold remains on hold).
- Press **END CALL** to send the incoming call to voicemail and continue the call in progress (call on hold remains on hold).

### End all calls

If you have one call in progress and one caller on hold, to end both calls, press & hold **END CALL**.

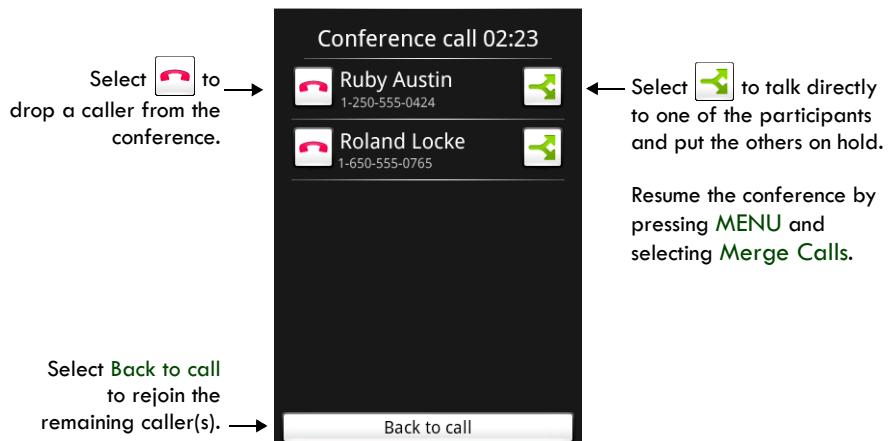
## Conference calling

While on a call, you can conference up to six callers, counting yourself. Note that you can also have an additional caller on hold during a conference call, regardless of how many participants are on the conference.

- 1 Dial the first conference participant as instructed in "Make a call by dialing" on page 80.
- 2 Press **CALL** to return to the Dialer to call your next participant, or you can press **MENU** and select **Add call**. Once you press **CALL** or select **Add all**, the call in progress is put on hold. Dial the number.
- 3 When your new caller is on the line, press **MENU** and select **Merge calls**.



- 4 The conference begins. To add more participants, repeat steps 2 and 3, up to a total of six.
- 5 If you want to drop any of the callers from the conference, press **MENU** and select **Manage conference**. The list of conference participants appears.



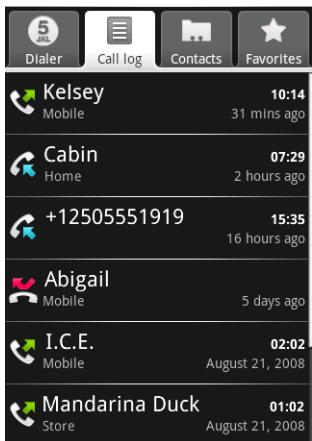
---

6 To end the conference call and disconnect all callers, press the END CALL button.

---

## Call log

The call log is one of the tabs on the Dialer. To open the call log, press the **CALL** button. The Call log displays by default.



The call log lists all incoming  and outgoing  calls, including missed  calls.

- To call any of the numbers in the list, simply select the name or number.
- To clear the entire call log, press **MENU** and select **Clear call log**.
- To clear one call log entry, touch & hold the entry, then select **Remove from call log**.

If available, the online status of the contact associated with the number in the log will display. Read more about online status in “View contact’s online status” on page 37.

Select an entry to start dialing the number. Touch & hold an entry to open the context menu and take these actions:

<b>Call number</b>	Select to dial this number.
<b>View contact</b> <b>(if stored in Contacts)</b>	Select to open their Contact details screen.
<b>Add to contacts</b> <b>(if not stored in Contacts)</b>	Select to add the phone number to your Contacts list. You can select to add a new contact, or add the number to an existing contact.

---

<b>Edit number before call</b>	Select to open the dialer with this number pre-populated and ready for edit.
<b>Send SMS message</b>	Select to open an SMS/MMS message Compose screen, with the message already addressed to this caller.
<b>Remove from call log</b>	Select to remove only this entry from the call log.

---

## Call settings

To edit your call settings, open the Home > Settings screen:

- 1 Press **HOME**, then press **MENU** and select **Settings**.
- 2 In the Mobile network section, select **Call settings**.
- 3 Wait a few moments while your current call settings are fetched from the service.
- 4 The following settings are available:

**Fixed Dial Number (FDN) list** Select this setting to manage your FDN list of numbers. When you enable FDN, you can only call numbers stored on your SIM card. To add numbers to your SIM card:

- 1 Enable FDN. You must type your PIN2 to enable FDN. (The PIN2 is provided by your wireless operator.)
- 2 Select **Manage FDN list**. If you have no numbers on your SIM card, then press **MENU** and select **Add contact**.
- 3 Type the name and phone number in the fields, then select **Save**. You will be asked to type your PIN2 again.
- 4 The FDN list now contains this name and number.
- 5 To add another contact or edit/delete an existing contact in the list, press **MENU** and select the appropriate menu item.

You can always change your PIN2 by selecting **Change PIN2**, but you must know your existing PIN2 before you can change it.

**Voicemail** Select this setting to set or change your voicemail number. Note that this number is usually set by your wireless operator and is stored on your SIM card.

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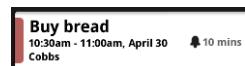
<b>Call forwarding</b>	Set the following: <ul style="list-style-type: none"><li>• Always forward calls - Select to specify a forwarding number and to enable this feature. When this feature is enabled, the following three features are disabled.</li><li>• Forward when busy - Select to enable this feature. When enabled, incoming calls are forwarded to voicemail when you are on a call.</li><li>• Forward when unanswered - Select to enable this feature. When enabled, incoming calls are forwarded to voicemail when unanswered.</li><li>• Forward when unreachable - Select to enable this feature. When enabled, calls are forwarded to voicemail if an incoming call cannot connect.</li></ul>
<b>Additional call settings</b>	<ul style="list-style-type: none"><li>• Caller ID - Select to open a menu of options: use the <b>Network default</b> setting, <b>Hide number</b>, or <b>Show number</b>. When your number shows, your phone number and Caller ID picture will display to people you call, assuming the call recipient's device supports this feature.</li><li>• Call waiting - Select this check box to display incoming calls when you are on a call. Clear the check box to ignore incoming calls when you are already on a call. Note that the routing of the ignored call is determined by your Call forwarding setting.</li></ul>
<b>Operator selection</b>	Select a wireless operator network - Scan for all available networks, or select a network automatically.

# Google Calendar

To open Google Calendar™ calendaring service, press **HOME** and select the Calendar icon . The Calendar on your phone stays in sync with your Google Calendar events on the Web.

## Calendar views

You can view multiple calendars on your phone, so each calendar event is coded with a color. Read more about controlling which calendars are displayed in “View multiple calendars” on page 95.



**Note:** To create new calendars, you must go to Google Calendar on the Web.

You can view your calendar in a variety of ways. Press **MENU** to select from **Month**, **Agenda**, **Week**, or **Day**.

### Month view

July 2008						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

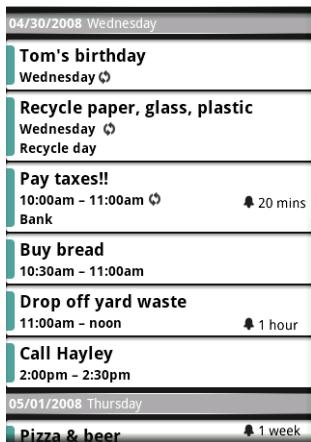
Days are shown in a month grid. Busy time slots are shown as vertical bars in the corresponding part of the day.



An all-day event is shown as a small vertical bar at the top of the slot (it does not fill the entire slot).

- **View event details** - Select a day to view all the events in that day. This will take you to either the Agenda or Day view, depending on which you last visited. Select the event to view its details.
- **Edit an event** - First select a day to go to either the Day or Agenda view. From there, select the event to view its details. Assuming you have write privileges on an event, press **MENU** and select **Edit event** to open the event for editing. Read more in “Edit an event” on page 95.
- **Navigate months** - Slide your fingertip up/down, or roll the **TRACKBALL** up/down through the days and past the beginning/end of the month to move to the previous/next month.
- **Create new event** - Touch & hold a day to open the context menu. Select **New event**. You can also press **MENU** and select **New event**.
- **Jump to current day** - Press **MENU** and select **Today**.

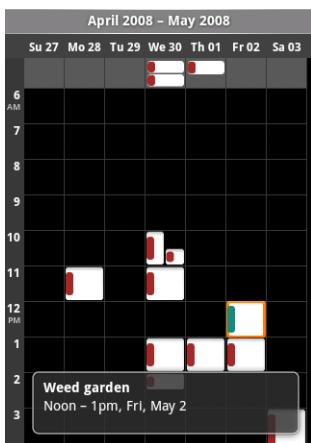
## Agenda view



Events in the current month are shown vertically in a list, one event after the other. Days with no events are not displayed.

- **Repeating events** - Marked with a icon following the time or date.
- **View event details** - Select the event to view its details.
- **Edit an event** - First, select the event to view its details. Assuming you have write privileges on an event, press **MENU** and select **Edit event** to open the event for editing. Read more in “Edit an event” on page 95.
- **Navigate within the current month** - Roll the **TRACKBALL** or slide your fingertip up/down.
- **Jump to current agenda** - Press **MENU** and select **Today**.

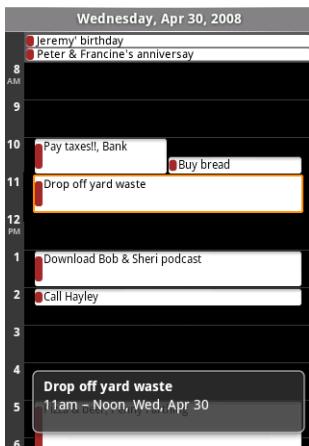
## Week view



Days are shown vertically within the Week view. Time slots are defined horizontally in rows. Events are shown as blocks.

- **View event details** - Highlight an event to open a small pop-up window in the lower part of the screen that provides more event information. This window will stay open for three seconds. (Note that highlighted events are outlined in orange.) To view the full event details, touch the pop-up window while it's open, or select the event itself. You can also touch & hold the event to open the context menu, then select **View event**.
- **Edit an event** - Assuming you have write privileges on an event, touch and hold the event to open the context menu, then select **Edit event**. Read more in “Edit an event” on page 95
- **Navigate within the current week** - Roll the **TRACKBALL** or slide your fingertip up/down.
- **Navigate to a past or future week** - Roll the **TRACKBALL** or slide your fingertip left/right.
- **Jump to current day** - Press **MENU** and select **Today**. The current time is highlighted.

## Day view



Days are divided into hour time slots. Events are shown tiled and span the time they last. All-day events are displayed at the top of the day list.

- **View event details** - Highlight an event to open a small pop-up window in the lower part of the screen that provides more event information. This window will stay open for three seconds. (Note that highlighted events are outlined in orange.) To view the full event details, touch the pop-up window while the pop-up window is open, or select the event itself. You can also touch & hold the event to open the context menu, then select [View event](#).
- **Edit an event** - Assuming you have write privileges on an event, touch and hold the event to open the context menu, then select [Edit event](#). Read more in “Edit an event” on page 95.
- **Navigate within the current day** - Roll the [TRACKBALL](#) or slide your fingertip up/down.
- **Navigate to a past or future day** - Roll the [TRACKBALL](#) or slide your fingertip left/right.
- **Jump to current day** - Press [MENU](#) and select [Today](#). The current time is highlighted.
- **Create new event** - Touch an empty time slot to open the new Event details screen.

## Create an event

From any of the views, press **MENU** and select **New event** to open the new Event details screen.

- 1 Type the information in the fields.

<b>Event details</b>	
<b>What</b>	<input type="text" value="Event name"/>
<b>From</b>	<input type="text" value="Thu, Aug 21, 2008 5:00pm"/>
<b>To</b>	<input type="text" value="Thu, Aug 21, 2008 6:00pm"/>
<input type="checkbox"/> All day	
<b>Where</b>	<input type="text" value="Event location"/>
<b>Description</b>	<input type="text" value="Event description"/>
(Scroll down to see all fields ▾)	
<b>Calendar</b>	
<input type="text" value="My Social Calendar"/>	
<b>Reminders</b>	<input type="text" value="10 minutes"/>
<input type="checkbox"/> Repeats	
<input type="text" value="Does not repeat"/>	

Name that appears in Day view.

Select date & time from the pop-up menus.

Description can be as long as you like.



**Hint:** You can type directly in the date fields if you don't want to step through using the + and - buttons.

Press **MENU** and select Show extra options to set Presence and Privacy:

<b>Presence</b>
<input type="text" value="Show as busy"/>
<b>Privacy</b>
<input type="text" value="Default"/>

Set online presence: available or busy.

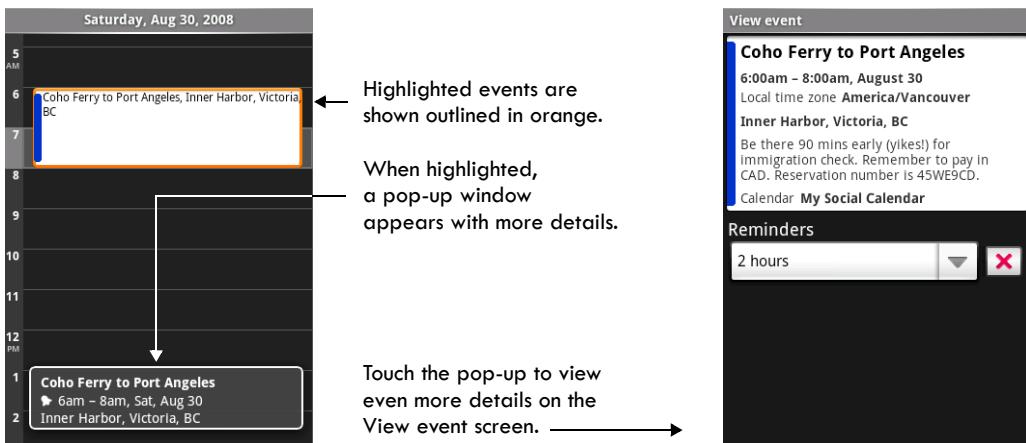
Select calendar privacy from Default (as defined when calendar was created), Private, or Public.

- 2 When finished, select **Save** or **Discard changes**. Pressing **BACK** also saves the event.

**Tip:** Create an event quickly in the Day or Week view by selecting an empty time slot. A new Event details screen appears. The From field contains the selected time slot.

## The View event screen

In the Day and Week views, when you highlight an event, a pop-up window with more details opens (the window stays open for three seconds). To see even more details, open the View event screen by touching the pop-up window.



From the Agenda view, simply select an event to open the View event screen. From the Month view, first select the day of the event to go to either the Agenda or Day view, then select the event (Agenda view) or pop-up window (Day view).

From the View event screen, you can do the following:

<b>View details</b>	All the information you've entered about the event is displayed on the View event screen.
<b>Reset reminder</b>	Select the <b>Reminders</b> pop-up menu to select a new reminder time.
<b>Add reminder</b>	Press <b>MENU</b> and select <b>Add reminder</b> to create another reminder for the event. This will not replace existing reminders. You can have up to five reminders per event.
<b>Delete reminder</b>	Either select the <b>x</b> to the right of a reminder, or press <b>MENU</b> and select <b>Delete event</b> to remove the event from your calendar. If this is a repeating event, you will be asked if you want to delete just this one instance, this & future events, or all events.
<b>Edit event</b>	Press <b>MENU</b> and select <b>Edit event</b> to open the event for editing. If this is a repeating event, you will be asked if you want to change just this one instance, this & future events, or all events.

## Event reminders

If you have set at least one reminder for an event (you can set up to five), the upcoming event icon  will appear in the left side of the status bar to remind you. To view, dismiss, or snooze the reminder, do the following:

- 1 Touch the status bar and slide your finger down the screen to open the notifications list. The upcoming event name is displayed. If you have only one reminder, the place is also displayed.



Select **Clear notifications** to dismiss the reminder.

To read more details about the event or see additional reminders (if applicable), select the reminder.

- 2 To read more details about the event, select the reminder. If you have other reminders pending, they will be listed on this screen as well. You can **Snooze** or **Dismiss** the reminder(s), or press **BACK** to keep the reminder(s) pending in the notifications bar. The snooze time is five minutes.



Select either **Snooze all** or **Dismiss all**. Press **BACK** to do neither and keep the reminder icon in the bar.

---

## Edit an event

To edit an event, you must have the View event screen open and you must have created, or have write privileges, for the event.

- 1 Navigate to the View event screen as described in “Calendar views” on page 89.
- 2 Press **MENU** and select **Edit event**. If **Edit event** isn’t an option, then you cannot make any changes to that particular event.  
**Note:** If your event repeats, you will be asked to choose which events you want changed (only the current one you’re editing, all events in the series, or the current event plus future events).
- 3 Once you have finished your edits, select **Save**.
- 4 To delete the event, from the View event screen, press **MENU** and select **Delete event**.

---

## Go to today

From any view, to jump to the screen that shows “today”, press **MENU** and select **Today**. If you are in the Day or Week view, the current time will be highlighted.

---

## View multiple calendars

If you’ve created more than one Google Calendar on the Web client, you can change which calendars are displayed and synced to your phone:

- 1 From any of the calendar views, press **MENU** and select **More > My calendars**.
- 2 All your synced calendars are shown in a list. The checked calendars are displayed on your phone.
- 3 To hide a calendar from display on your phone, clear that calendar’s check box.
- 4 To remove a calendar and all its events from your phone, press **MENU** and select **Remove calendars**. On the menu that appears, select the calendar that you want to remove.  
**Note:** Hiding or removing calendars on your phone does not affect the display of calendars on the Web.

---

## Calendar settings

### Calendar view setting

Hide declined events Select this check box if you want all the events you decline to be hidden from all calendar views.

### Reminder settings

Alerts & notifications Select to set the type of event reminder you want:

- **Alert** - A dialog box will appear to remind you of the event.
- **Status bar notification** - An icon  appears on the left side of the status bar.
- **Off** - You will receive no reminder.

Ringtone Select **Ringtone** to open the ringtone menu and select a ringtone specific to new event notifications. Note that when you check a ringtone, it plays briefly.

Vibrate Select this check box to have your phone vibrate when you are reminded of an event.

Default reminder Select to open the default reminder menu. The time you select will appear by default in the Reminder section when you create a new event.

---

## Calendar shortcuts

### Calendar views

New event	MENU + n
Go to today	MENU + t
Agenda view	MENU + a
Day view	MENU + d
Week view	MENU + w
Month view	MENU + m
Go to settings	MENU + p
View event details for highlighted	ENTER
Edit opened event	MENU + e
Delete highlighted event	DEL

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### **View event screen**

Add reminder	<b>MENU + r</b>
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Edit event	<b>MENU + e</b>
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Delete event	<b>DEL</b>
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### **Edit event details screen**

Add reminder	<b>MENU + r</b>
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# Camera & Pictures

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## Before you begin

All the pictures you can capture or view on your phone are stored on an SD card, which must be installed in your phone. Before you can use the Camera or view pictures in Pictures, make sure you have a card installed. (Read more in “SD card slot” on page 11.)

When you first receive your phone, the camera sensor window (on the back cover) will be protected by a plastic film. Be sure to peel off this film before using the camera.

### Load pictures onto your SD card

Read the instructions below to add pictures to your SD card. Read more about inserting or removing an SD card in “SD card slot” on page 11.

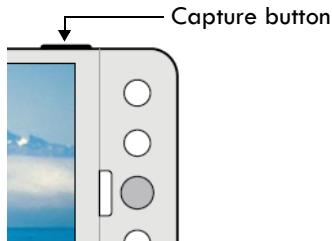
- 1 Mount your microSD card to your computer by doing one of the following:
  - Remove the SD card and insert it into a card reader attached to your computer; or,
  - Attach your phone to your computer using a USB cable that came in the box. If you use this method, make sure the **Home > Settings > SD card & phone storage > Use for USB storage** check box is selected. It is selected by default.
- 2 On your computer, find the mounted USB drive and open it.
- 3 Create a folder at the top-level called “Pictures” or some other descriptive name and open it.
- 4 Copy .jpg or other image files into this folder. To organize pictures into albums that will display in the Pictures application, create a folder and copy pictures there for each album you want to display.
- 5 When finished, close the USB drive window and unmount or eject the drive as required by your computer’s operating system. You can also go to **Home > Settings > SD card & phone storage**, and clear the **Use for USB storage** check box. Remove the USB cable from your phone and computer.

## Take a picture

The camera is 3.0 megapixels and able to capture resolutions up to 2048x1536. Captured pictures are saved to the "DCIM" folder on your SD card.

**Tip:** Before you take a picture, wipe the sensor window (on the back cover) to remove any small amounts of oil.

- 1 To open the Camera, press **HOME** and select the Camera icon  or press the **CAPTURE** button as a shortcut.
- 2 The Camera opens in capture mode. Frame your picture within the screen and hold the phone steady. Press half-way down on the **CAPTURE** button to focus (a green circle  will appear in the upper-right of the screen once focused), then press the button fully to capture. Continue to hold the camera steady for a second after you hear the shutter sound.



- 3 Immediately after capture, you can select to **Save**, **Set as** (contact icon or wallpaper), **Share** (via a compatible application), or **Delete** your picture.
- 4 If you select to save, set as, or share, your picture is saved to the Pictures application. Pictures taken with your phone are named by date and time; e.g., 2009-3-15 14:21:50 (picture was taken March 15, 2009 at 2:21 pm).

## Capture settings

**Store location in pictures**  Select this check box if you want to save the longitude and latitude in the picture's metadata so you know where the photo was taken. Some applications, such as Picasa Web albums, can then display the picture on a map.

**Prompt after capture**  Select this check box if you always want the post-capture menu to display after capturing a picture:



## View your pictures

To view the pictures you've captured, as well as any you've stored on your SD card, go to the Pictures application:

- 1 To open Pictures, press **HOME** and select the Pictures icon .
- 2 Depending on how many pictures you've stored, they may take a few minutes to load.
- 3 If you've stored your pictures in folders on your SD card, then the folders will display as separate "albums". The top left album always contains all the pictures in all the albums.



Select an album to view the pictures.

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- 4 The individual pictures display in a grid in thumbnail format. You can select to display smaller or large thumbnails in Settings. Read more in “Picture settings” on page 104.
- 5 **To open a picture in full-screen view**, touch the picture, or highlight it and click the **TRACKBALL**. Once in full-screen, select the arrows to scroll through the pictures within that album. If the arrows disappear, touch the picture again to reveal the arrows and zoom controls. You can also roll the **TRACKBALL** left/right to scroll through the album.

## Screen orientation

When your keyboard is open, your pictures will always display using landscape orientation. However, when your keyboard is closed, you can change orientation by pressing **MENU** and selecting **Flip orientation**. The orientation will “stick” until you explicitly change it.

**Note:** Using the **Flip orientation** menu option does not permanently “rotate” the picture. To correct a picture’s display, use the **Rotate** menu option.

## Zoom and navigate

When viewing a picture in full-screen view, you can zoom in and out, and navigate around the picture when it doesn’t fit within the screen:

### Zoom in

- 1 Touch the screen to open the zoom-in and zoom-out controls .
- 2 You can also use the keyboard shortcut **MENU** + **z**.
- 2 Touch the **+** control to zoom in. With each touch you zoom in closer.

### Zoom out

- 1 Touch the screen to open the zoom-in and zoom-out controls .
- 2 You can also use the keyboard shortcut **MENU** + **z**.
- 2 Touch the **-** control to zoom out. With each touch you zoom out further.

### Navigate in zoomed-in view

- Slide your fingertip in any direction to shift your view.
- Roll the **TRACKBALL** in any direction to shift your view.

### Scroll through pictures in full-screen view

- Touch the screen to reveal the left and right arrows, then touch an arrow to go to the previous or next picture.
- Roll the **TRACKBALL** left or right to go to the previous or next picture.

---

## Picture options

You can do the following while in Pictures. **Note:** In all the instructions below, you can touch & hold a picture to open the context menu to access all actions., rather than open the picture in full-screen view.

**View full-screen** Select a picture to open it in full-screen view.

**Share a picture**

- 1 In full-screen view, press **MENU** and select **Share**.
- 2 Select to share your picture via Google mail, Messaging (MMS), or another application (if you have another application installed on your phone that supports sharing).
- 3 The relevant compose screen opens.
- 4 Complete your message. When ready, select **Send** or press **ENTER**.

**Set as wallpaper**

- 1 In full-screen view, press **MENU** and select **More > Set as**.
- 2 From the menu that opens select **Wallpaper**.
- 3 Touch & hold an edge of the cropper to reveal the sizing arrows, then drag the edge in or out to size. Touch & drag the center of the cropper to move it within the picture.
- 4 When you're happy with the cropped area, select **Save** or press the **BACK** button.

**Set as contact picture**

- 1 In full-screen view, press **MENU** and select **More > Set as**.
- 2 From the menu that opens, select **Contact icon**. Your contact list opens.
- 3 Select the contact you want to associate with the picture.
- 4 Touch & hold an edge of the cropper to reveal the sizing arrows, then drag the edge in or out to size. Touch & drag the center of the cropper to move it within the picture.
- 5 When you're happy with the cropped area, select **Save** or press the **BACK** button.
- 6 The picture will now appear in the Contact details screen, as well as on any incoming call notifications.

---

<b>Crop picture</b>	<ol style="list-style-type: none"><li>1 In full-screen view, press <b>MENU</b> and select <b>More &gt; Crop</b>.</li><li>2 Touch &amp; hold an edge of the cropper to reveal the sizing arrows, then drag the edge in or out to size. Touch &amp; drag the center of the cropper to move it within the picture.</li><li>3 When you are happy with the cropped area, select <b>Save</b>. Select <b>Discard</b> to cancel the crop.</li><li>4 The cropped picture is saved to Pictures as a copy. Your original is not touched.</li></ol>
<b>Rotate picture</b>	<ol style="list-style-type: none"><li>1 In full-screen view, press <b>MENU</b> and select <b>Rotate</b>.</li><li>2 Select from <b>Rotate left</b> (counter-clockwise) or <b>Rotate right</b> (clockwise).</li><li>3 Your picture rotates and is saved automatically.</li></ol>
<b>Flip orientation</b>	<p>With your keyboard closed, you can select to flip the currently-displayed orientation of the picture. Once you open the keyboard, the orientation is fixed to landscape. Note that this option does not “rotate” the picture, but just changes the browse view.</p> <ol style="list-style-type: none"><li>1 In full-screen view, press <b>MENU</b> and select <b>More &gt; Flip orientation</b>.</li><li>2 The orientation sticks until you explicitly change it (except when the keyboard is open).</li></ol>
<b>Delete picture</b>	<ol style="list-style-type: none"><li>1 In full-screen view, press <b>MENU</b> and select <b>More &gt; Delete</b>. (You can also use the keyboard shortcut <b>MENU + d</b>.)</li><li>2 The picture will be removed from the SD card after you confirm.</li></ol>
<b>View picture details</b>	<ol style="list-style-type: none"><li>1 In full-screen view, press <b>MENU</b> and select <b>More &gt; Details</b>.</li><li>2 The picture details window opens. You can see the title, resolution, file size, and date of the picture.</li></ol>

## Play slideshow

Slideshows include all the pictures in your albums. Before you play a slideshow, you may want to adjust the slideshow settings, described in “Slideshow” on page 104.

- 1 In full-screen view, press **MENU** and select **Slideshow**.
- 2 Your slideshow begins! While your slideshow is playing, the status bar is dimmed.
- 3 To stop the slideshow you can do one of the following:
  - Press **BACK** - Takes you to thumbnail view.
  - Touch the screen - Shows picture in full-screen view.
  - Click the **TRACKBALL** - Shows picture in full-screen view.

---

4 To begin the slideshow again, press **MENU** and select **Slideshow**. If you stopped the slideshow, it will resume where you left off.

## Picture settings

To view picture settings, you must be viewing one of your albums, then press **MENU** and select **Settings**.

### Picture view

Picture size	You can select from <b>Large</b> or <b>Small</b> picture display sizes.
Picture sort	You can select to sort pictures with the newest pictures first or newest pictures last.
Confirm deletions	Select this check box if you want a confirmation dialog box to appear after you select to delete a picture from Pictures and the SD card.

### Slideshow

Slideshow interval	Select how long each slide plays: <b>two</b> , <b>three</b> , or <b>four</b> seconds.
Slideshow transition	Select the transition you want to use between each slide during the slideshow: <b>Fade in &amp; out</b> , <b>Slide left-right</b> , <b>Slide up-down</b> , and <b>Random</b> (uses all transitions in random order).
Repeat slideshow	Select this check box to repeat the slideshow until you explicitly stop it.
Shuffle slides	Select this check box to shuffle your pictures in the slideshow.

---

# Music

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## Your Library of music

To open your music Library, press **HOME** and select the Music icon .

Your music is organized into four categories: Artists, Albums, Songs, and Playlists. Select a category to view the lists within each. Once in a category, keep selecting until you reach the music you want to play. For example, if you select the Artists category, you will see a list of artists in A-Z order. If you select an artist, the list opens to display that artist's albums. Select an album, and the album's song list displays.

## Supported music formats

Your phone will play the following **music** file formats:

- MP3
- M4A (iTunes® application AAC, DRM-free)
- AMR
- WMA (8)
- MIDI
- WAV
- OGG Vorbis

## Load music onto your SD card

All the music you can listen to on your phone is stored on an SD card. Read the instructions below to add music to your SD card. Read more about inserting or removing an SD card in “SD card slot” on page 11.

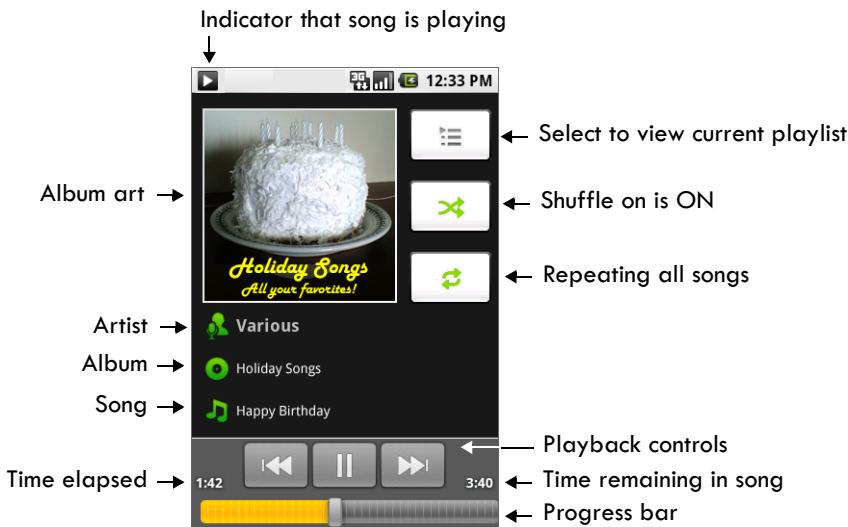
- 1 Mount your microSD card to your computer by doing one of the following:
  - Remove the SD card and insert it into a card reader attached to your computer; or,
  - Attach your phone to your computer using a USB cable that came in the box. If you use this method, make sure the **Home > Settings > Data > SD card & phone storage > Use for USB storage** check box is selected. It is by default.
- 2 On your computer, find the mounted USB drive and open it.

---

- 3 Although your phone will find all music files on your SD card, it's advisable to keep the number of files or folders at the root level to a minimum. So, if you wish, create a folder at the top-level called "music" (or whatever you want) to store your files.
- 4 Open this folder and copy music files into it. (Read more in "Supported music formats" on page 105.) If you want, create folders within "music" to organize your music further.  
If you want to use certain music files as phone, notification, or alarm ringtones, then create the following folders:
  - **ringtones** - Music files copied to the "ringtones" folder will display in the phone (incoming call) ringtone menu. (Read more about setting a song as a phone ringtone in "Create ringtones from songs" on page 110.)
  - **notifications** - Music files copied to the "notifications" folder will display in the notifications ringtone menu.
  - **alarms** - Music files copied to the "alarms" folder will display in the Alarm ringtone menu.
- Note:** If you do not want a ringtone to appear in your music Library but you do want it to be available as a ringtone, then create the "ringtones", "notifications", or "alarms" folder outside your "music" folder.
- 5 When finished copying, close the USB drive window and unmount or eject the drive as required by your computer's operating system. Remove the USB cable from your phone and computer.

## Play back music

At any level in your Library, touch & hold a listing (a song, artist, album, or playlist) to open the context menu. Select **Play** to begin play and go to the Playback screen.



You can do the following using the Playback screen:

### Shuffle songs

Shuffle plays songs in random order. Touch  to toggle shuffle on and off. When the icon is grey, shuffle is off.

### Repeat mode

Touch  to step through repeat modes:

- repeat all songs: 
- repeat current song: 
- don't repeat: 

### Go to any point in song

Slide fingertip in progress bar to desired point in a song.

### Pause/resume play

Touch  to pause;  to resume play.

### Fast forward

Touch & hold .

### Go to next song

Touch  once.

### Rewind

Touch & hold .

### Go to beginning of song

Touch  once.

**Go to previous song**

Touch  twice.

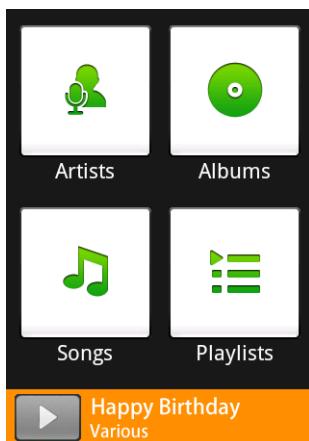
**View current playlist**

Touch .

**Party shuffle**

To start “party shuffle” (all the songs in your library are added to a playlist in random order), press **MENU** and select **Party shuffle**. To exit party shuffle, press **MENU** and select **Party shuffle off**. Edit the playlist as you would any other playlist.

If a song is playing while you are on the Library screen, you can switch to the Playback screen quickly by selecting the lower song bar.



## Playlists

You can create as many playlists as you wish. Note that the “Recently added” playlist is a system playlist and cannot be deleted or renamed. Also, if you make any voice recordings as part of a MMS message, they will be stored automatically in a playlist called “My recordings”.

### Create a playlist on your phone

- 1 From the Library, select a category.
- 2 From the list that appears, navigate to the artist, album, or song that you want on a playlist.
- 3 Touch & hold the artist, album, or song to open the context menu.
- 4 Select **Add to playlist**.
- 5 In the Add to playlist menu that opens, select **New** to create a new playlist, or one of the existing playlists.
- 6 The song(s) are added.

## Manage your playlists

- 1 Go to the Library screen and select **Playlists**.
- 2 All your playlists appear. You can do the following from this screen:

**Play songs in list** Select the playlist.

**Delete playlist**

- 1 Touch & hold the playlist to open the context menu.
- 2 Select **Delete**.

**Edit playlist (rearrange songs)**

- 1 Touch & hold the playlist to open the context menu.
- 2 Select **Edit**.
- 3 Touch & hold  next to the song you want to move, then slide it to its new position and release.

**Rename playlist**

- 1 Touch & hold the playlist to open the context menu.
- 2 Select **Rename**.
- 3 Open the keyboard (if not already open) and type the new name.
- 4 Select **Save**.

## Load your own playlists

You can create your own playlists then load them on your SD card for access through the Music Player. The playlist formats supported are M3U, WPL, and PLS.

### To create a M3U playlist, do the following:

- 1 On your computer, open a simple text file for editing.
- 2 On separate lines, list all the music file names you want included in your playlist.  
**Note:** The names you list in the file should be the names that appear when you view the contents of your SD card through your computer's file system, **not** the names that appear in the list of songs on your phone. Your phone will simplify the names and not include track numbers or file extensions, like .mp3.
- 3 Your M3U playlist could look something like this:

```
All Is Quiet.mp3
01 Amazing Grace.mp3
04 Angel Food.mp3
Artist's Life (new).mp3
```

- 4 Save the text file, using .m3u as the file name extension (e.g., MySongs.m3u).
- 5 Follow the instructions in "Load music onto your SD card" on page 105 to copy the file to your SD card. You don't have to, but it's advisable to copy the playlist to a "Playlist" folder in your "Music" folder.

---

## Create ringtones from songs

You can set any of your songs as a phone ringtone:

- 1 From the Library, navigate to a song you want to use as a phone ringtone.
- 2 Touch & hold the song in the list to open the context menu.
- 3 Select **Use as phone ringtone**. The ringtone is set as your default incoming call ringtone.
- 4 Now, when you go to **Home > Settings > Sound & display**, and select a phone ringtone, your song will be listed as an option.

---

## Delete music from SD card

All the music you play on your phone is stored on the inserted SD card. From your phone, you can delete music stored on the card:

- 1 From the Library screen, select either the **Artists**, **Albums**, or **Songs** category.
- 2 Go to the screen that shows the artist, album, or song that you want to delete.
- 3 Touch & hold the item to open the context menu.
- 4 Select **Delete**. You will be asked to confirm that you want to delete the item from your SD card.

---

## Music shortcuts

### Music list views

Play highlighted      **ENTER**

Delete highlighted      **DEL**

### Playlists screen

Play highlighted song      **ENTER**

Remove from playlist      **DEL**

# Android Market

## About Android Market

Android Market™ provides you with direct access to software developers throughout the world. It is the place to go to find fun games and cool applications that have been rated by your fellow Androids. To open the Market, press **HOME** and select the Market icon



If you ever need help or have questions about Android Market, press **MENU** and select **Help**. The Browser will take you to the Android Market “help & info” Web page.

## Browse items to install

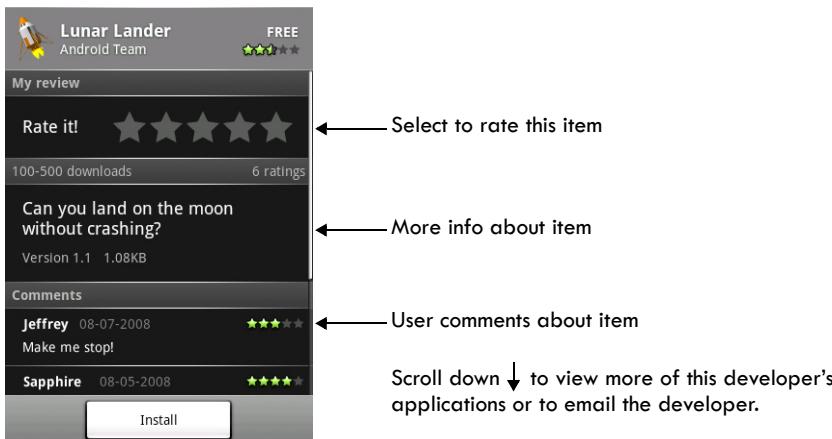
When you first enter Android Market, you will see featured items, a list of item categories, a link to search, and a link to My downloads.



Scroll horizontally through the featured items or select a category to browse its contents, then select a subcategory. Within each subcategory you can select to view items sorted **By popularity** or **By date**. Note that all items in a subcategory are listed in each tab; those in the **By popularity** tab are sorted most popular to least popular, and those in the **By date** tab are sorted newest to oldest.

## Install an item

- 1 Navigate to an item you want to install and select it.
- 2 The Item details screen appears. Read more about the item on this screen, including its overall rating and comments by users. If you scroll down to the **About the developer** section, you can view more applications by this developer or send the developer an email message.

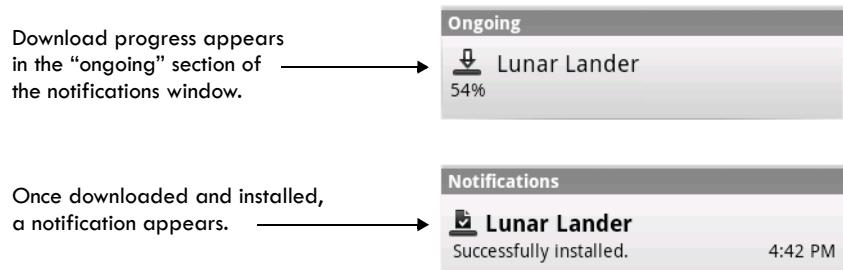


Press **MENU** and select **Security (permissions)** to view the functions and data this item can access on your phone. Read more below.

- 3 To install the item, select either **Install** (item is free) or **Buy**, whichever appears.  
**Important!** If an application you are downloading requires either access to any of your data or control of any functions on your phone, before you proceed, you'll see a screen that tells you what the application can access so you can give your permission. **Be sure to read this carefully!** Be especially cautious if an application has access to many functions or a significant amount of your data. Once you select **OK** on this screen, you will be responsible for the results of using this item on your phone.
  - After selecting **Install**, the item will start downloading immediately.
  - After selecting **Buy**, you may be asked to sign in to an additional Google account. Sign in and select **Purchase now** if you want to proceed. Step through the purchase screens.

---

4 You can see the download progress of the item by opening the notifications window.



---

## Manage your downloads

From the Android Market Home screen, select **My downloads** to view your downloaded items. From any of the Android Market screens, you can press **MENU** and select **My downloads** to go to the screen, or use the keyboard shortcut **MENU + d**.

You can take the following actions from the **My downloads** screen:

**View downloads in progress**

- 1 From the Android Market home screen, press **MENU** and select **My downloads**.
- 2 If you are in the process of downloading and installing an item, the progress will display at the top of the screen.

**Review a downloaded item**

You can rate and post comments on any item you've downloaded from Android Market. Note that you must first rate an item to post a comment. Read how in "Review your downloaded items" on page 114.

**Uninstall a downloaded item**

- 1 From the Android Market Home screen, press **MENU** and select **My downloads**.
- 2 Select the item you want to uninstall. The Item details screen appears.
- 3 Select the **Uninstall** button at the bottom of the screen.

---

#### Open downloaded item

- 1 From the Android Market Home screen, press MENU and select **My downloads**.
- 2 Select the item you want to open. The Item details screen appears.
- 3 Select the **Open** button at the bottom of the screen.

#### Read security permissions for this item

Items you download and install on your phone typically have access to functionality. You can view what an item has access to on your phone:

- 1 From the Android Market Home screen, press MENU and select **My downloads**.
- 2 Select the item you want to read about. The Item details screen appears.
- 3 Press MENU and select **Security permissions**.
- 4 All areas of your phone that this item has access to are listed.
- 5 Dismiss the screen by selecting **OK**.

#### Flag content

If you have a concern about an item, you can “flag” it for further investigation. Read how in “Flag content” on page 115.

You can further manage your Android Market applications from the **Home > Settings > Applications > Manage applications** screen. Read more in “Applications” on page 29.

---

## Review your downloaded items

### Rate a downloaded item

If you'd like to rate one of the items you've downloaded from Android Market, follow these steps:

- 1 From the Android Market Home screen, press MENU and select **My downloads**.
- 2 Select the item you want to rate to open its Item details screen.
- 3 Select the **My rating** section to open the Rate it! dialog box. Touch the number of stars you want to give the item...more stars is better!



---

- 4 When ready, select **OK** to submit your rating.

## Write a comment

Once you've rated a downloaded item, you can post a comment:

- 1 From the Android Market Home screen, press **MENU** and select **My downloads**.
- 2 Select the item you want to comment on to open its details screen.
- 3 Select the **Post a comment** section to open the Post comment dialog box. If you don't see the **Post a comment** section, first rate the item.
- 4 Type your comment, then select **OK** to post it.

## Remove rating and/or comment

Once you've rated or commented on an item, you can always remove this review:

- 1 From the Android Market Home screen, press **MENU** and select **My downloads**.
- 2 Select the item to open its details screen.
- 3 Press **MENU** and select **More > Clear my review**.
- 4 Your rating and comments are removed.

## Flag content

If an item you are browsing or have downloaded from Android Market is objectionable in any way, you can "flag" it and send a message to Android Market for investigation:

- 1 Select the item from the Market Home screen, or from My downloads (if you have installed it already). Select the item to open the Item details screen.
- 2 Press **MENU** and select **More > Flag content**.
- 3 You will be asked to select a category that describes your objection. Select the category, then select **Submit**. If you select **Harmful to phone or data** or **Other objection**, you will be able to type your more details in a dialog box.

---

## Market shortcuts

My downloads **MENU + d**

Go to Android Market home page **MENU + ENTER**

# YouTube

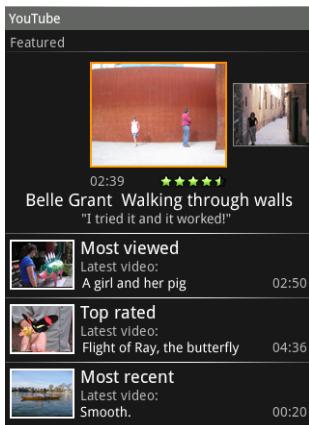
## Getting started with YouTube

To open YouTube™, press **HOME** and select the YouTube icon .

YouTube is a free online video streaming service that allows anyone to view and share videos that have been uploaded by the YouTube members. You do not need a YouTube account to browse and view videos.

## Watch videos

The main YouTube screen shows the popular video categories, such as **Featured**, **Most viewed**, **Top rated**.



To see more video categories, press **MENU** and select **Categories**.

Select a category, then select the video within the category to begin play. You can also press **ENTER** to view a highlighted video.

While you're watching a video, touch the lower part of the screen to reveal the transport controls.



**Pause/resume play** Touch  to pause;  to resume play.

**Fast forward** Touch & hold .

**Rewind** Touch & hold .

**Progress bar** Slide your fingertip along the progress bar to go to a particular point in the video.

**Adjust volume** Press either + or - to open the sound volume controls, then slide your finger along the volume bar.

## Search for videos

To find a video by typing a keyword, press the **SEARCH** key, or press **MENU** and select **Search**. The search window appears. Type your keyword, then select **Search**.

The number of search results appears in the title bar. Scroll through the results and select a video.

To clear your search history, press **MENU** and select **Settings**. Select **Clear search history**.

## Filter videos by time

From any list of videos (except Search results), you can filter the list by pressing **MENU** and selecting **Time categories**. Select from:

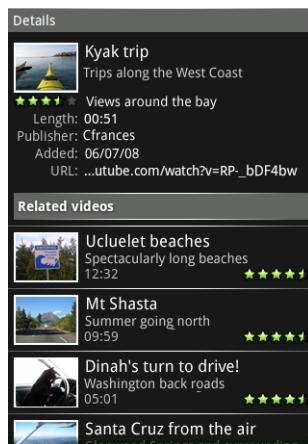
- Today
- This week
- This month
- All time

Once you make your selection, the list is reduced to show only the videos posted during that time period.

## View video details

If you want to see the details on any video, plus a list of related videos:

- 1 Highlight a video in a list.
- 2 Touch & hold the listing.
- 3 Select **Details**. The Details screen appears.



From the Details screen you can view the author's comments, more information about the video, such as its length and when it was posted. At the bottom of the screen you'll see a list of related videos.

## Video comments

You can view comments others have posted on a video while watching the video, or when viewing a video in a list:

- Touch & hold a video in a list to open the context menu. Select **Comments**.
- While a video is playing, press **MENU** and select **Comments**.

## Video favorites

You can tag 100 videos as "favorites". To view your favorites, from any list of videos, press **MENU** and select **Favorites**.

---

## Add video to favorites

To add a favorite video, do either of the following:

- Touch & hold a video in a list to open the context menu. Select **Add to favorites**.
- While a video is playing, press **MENU** and select **Favorite** (the icon should show a + sign).

## Remove video from favorites

To remove a video from your favorites, do either of the following:

- Touch & hold a video in a list to open the context menu. Select **Remove from favorites**.
- While a video is playing, press **MENU** and select **Favorite** (the icon should show a - sign).

---

## Share videos

You can send a link to a video while either watching the video, or when viewing a video in a list:

- 4 Either press **MENU** while viewing a video, or touch & hold a video in the list to open the context menu.
- 5 Select **Share**.
- 6 An email Compose screen opens with the link to the video included in the message body.
- 7 Address and complete your email, then select **Send**.

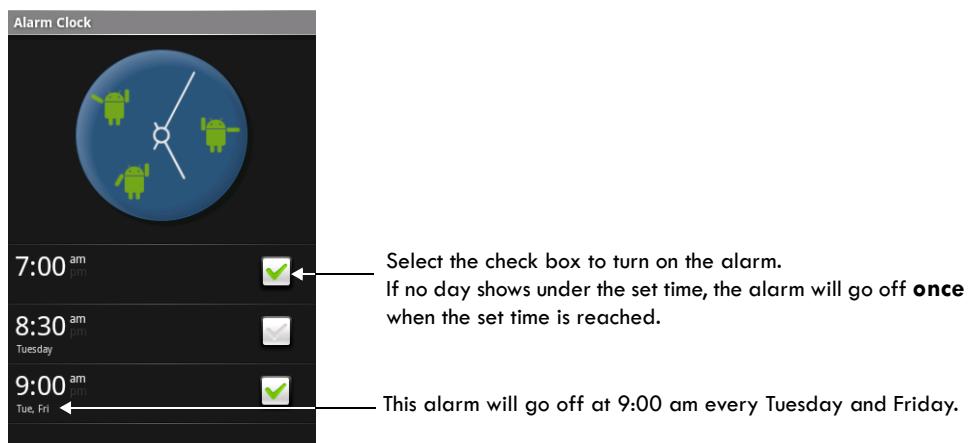
# Tools

## Alarm Clock

To open Alarm Clock, press **HOME** and select the Alarm Clock icon . The Alarm clock offers as many alarms as you want.

### Set an alarm

Three alarms are set up for you, ready to customize. All three alarms are turned off by default.



To begin, select one of the default alarms to open Alarm settings. Set the following options:

**Alarm** Select the check box to turn alarm on (checked) or off (cleared). This is the same check box that appears on the main Alarm Clock screen.

**Time** The time the alarm will go off is shown. To change this time, select **Time** to open the time selector. Tap the + or – buttons and the **AM/PM** button to set the time you want, then select **Set**.

**Tip:** Touch & hold the + or – buttons to move through the numbers quickly.

---

<b>Ringtone</b>	The current ringtone selection is shown. Select <b>Ringtone</b> to pick another ringtone that will play when the alarm rings. (When you select a ringtone, it plays briefly.) Note that when your alarm goes off, the ringtone will play a maximum of five minutes. Read how to add your own ringtone to the list in “Load music onto your SD card” on page 105.
<b>Vibrate</b>	Select this check box to have your phone vibrate when it goes off.
<b>Repeat</b>	The current repeat selection is shown. To change the setting, select <b>Repeat</b> and make a selection from the menu. To have your alarm will only go off once at the set time, don't select any of the options. A one-time alarm is shown on the Alarm Clock screen without any days under the set time.

**Delete alarm** To delete the alarm, press **MENU** and select **Delete alarm**.

Once your alarm goes off, you will receive an alert with the options to **Snooze** (for 10 minutes) or **Dismiss**.

### Add more alarms

To add more than three alarms, from the main Alarm Clock screen, press **MENU** and select **Add alarm**.

### Change clock display

You can change the appearance of the clock displayed on the main Alarm Clock screen:

- 1 Go to the main Alarm Clock screen.
- 2 Touch the clock with your fingertip to open the Clock selection screen.
- 3 Slide your fingertip horizontally along the bottom clock face row and touch the face you want to display.
- 4 To hide the clock, press **MENU** and select **Hide clock**.

### Change date & time display

You can change the format of the time displayed in your alarms from the global Settings screen:

- 1 Go to the main Alarm Clock screen.
- 2 Press **HOME**, then press **MENU** and select **Settings**. Scroll down and select **Date & time**. The Date & time settings screen appears.
- 3 Use the network-provided values by selecting the **Automatic** check box.
- 4 Select the **24 hour format** check box if you wish to use that rather than 12 hour format.
- 5 Select the **Select date format** option to open the menu of various date formats.

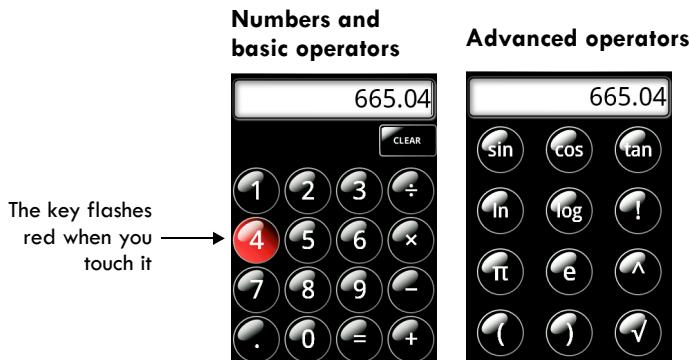
## Calculator

To open Calculator, press **HOME** and select the Calculator icon .

The Calculator offers two panels: basic and advanced. Switch back and forth between panels by pressing **MENU** and selecting **Advanced panel** or **Basic panel**, as you wish.

### Calculator panels

Two calculators panels are available: basic and advanced. Use the Basic panel to enter numbers and perform basic addition, subtraction, multiplication, and division. Use the Advanced panel to insert advanced operators or delimiters, such as sine, cosine, tangent, square root, parentheses, etc.



Switch back and forth between calculator panels by pressing **MENU** and selecting **Advanced panel** or **Basic panel**, as you wish. As soon as you select an advanced operator, the panel switches back to Basic, where your operator appears.

- When you touch a key on the screen, the key flashes red to let you know the selection was made. Make sure you see the red flash before entering your next number or completing the operation.
- To delete numbers, one at a time, press the **DEL** key or touch **CLEAR** on the screen.
- To clear the display and start a new calculation, press **ENTER** or the **TRACKBALL**.

### Operation history

- To scroll through your operations, roll the **TRACKBALL** up or down.
- To clear your operation history, press **MENU** and select **Clear history**.

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