

iPhone
User's Guide

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Activating and Setting Up iPhone

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⚠ To avoid injury, read all operating instructions in this guide and safety information in the *Important Product Information Guide* at www.apple.com/support/manuals/iphone before using iPhone.

What You Need

To use iPhone, you need:

- A new wireless service plan with the carrier that provides iPhone service in your area
- A Mac or a PC with a USB 2.0 port and one of the following operating systems:
  - Mac OS X version 10.4.10 or later
  - Windows XP Home or Professional with Service Pack 2 or later
  - Windows Vista Home Premium, Business, Enterprise, or Ultimate edition
- Display resolution on your computer set to 1024 x 768 or higher
- iTunes 7.5 or later, available at www.apple.com/itunes
- An iTunes Store account (a major credit card is required to open a new account)
- An Internet connection

Activating iPhone

Before you can use any of iPhone's features, you must activate iPhone by signing up for a service plan with the iPhone service carrier in your area and registering iPhone with the network. If you already have a wireless account with the carrier, you may be able to upgrade your account to work with iPhone, or keep using your old phone and add a new line for iPhone. (Some accounts may not be upgradable.) You may also be able to transfer your current phone number to iPhone, or get a new one.

For more information about iPhone, including videos about how to activate and use it, go to:
www.apple.com/iphone

Inserting the iPhone SIM Card

In some regions, you may need to purchase the SIM card separately and insert it into iPhone before activation. Read the documentation that comes with the SIM card for instructions.

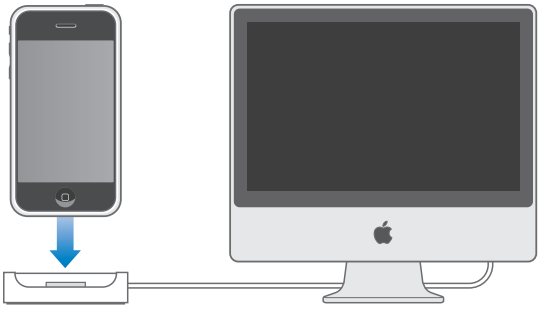
If your carrier gave you a PIN number to use with your SIM, you may need to enter the PIN before activating iPhone.

Activate iPhone

1 Download and install the latest version of iTunes from www.apple.com/itunes.

2 Connect iPhone to a USB 2.0 port on your Mac or PC using the dock and cable that came with iPhone.

Unless your keyboard has a high-powered USB 2.0 port, you must connect iPhone to a USB 2.0 port on your computer.



3 Follow the onscreen instructions in iTunes to activate iPhone and sync iPhone with your contacts, calendars, email accounts, and bookmarks on your computer.

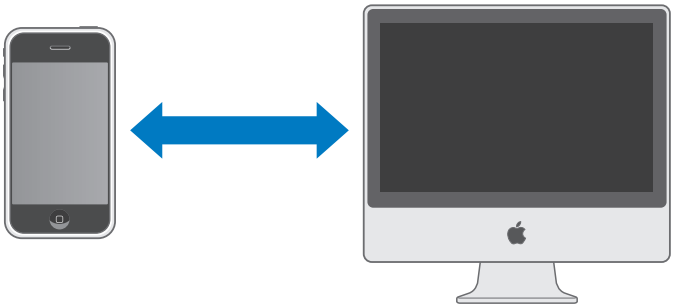
A single checkmark in "Set Up Your iPhone" syncs all these items automatically. Or you can use iTunes to customize the information you sync, and to sync your ringtones, music, photos, podcasts, and videos to iPhone. See the following section.

You can disconnect iPhone from your computer after "Waiting for activation" appears on the iPhone screen. When activation is complete, "iPhone is activated" appears on the iPhone screen. This means that iPhone is fully functional and you can use all of its features.

Important: If you are migrating your current phone number to iPhone, activation may take from several hours to a day and migration of your number may take several days, depending on your location and previous carrier.

Syncing iPhone with Your Computer

When you connect iPhone to your computer, iTunes syncs iPhone with the information and media on your computer, according to how you've configured the iPhone sync settings in iTunes.



You can set iTunes to sync any or all of the following:

- Contacts—names, phone numbers, addresses, email addresses, and so on
- Calendars—appointments and events
- Email account settings
- Webpage bookmarks
- Ringtones
- Music and audiobooks
- Photos
- Podcasts
- Videos

Ringtones, music, audiobooks, podcasts, and video content are synced from your iTunes library. If you don't already have content in iTunes, the iTunes Store (available in some countries) makes it easy to purchase or subscribe to content and download it to iTunes. You can also add music to your iTunes library from your CDs. To learn about iTunes and the iTunes Store, open iTunes and choose Help > iTunes Help.

Contacts, calendars, webpage bookmarks, and photos are synced from applications on your computer, as described below. Contacts and calendars are synced both ways between your computer and iPhone. New entries or changes you make on iPhone are synced to your computer, and vice versa. Webpage bookmarks are also synced both ways.

Email account settings are only synced from your computer's email application to iPhone. This allows you to customize your email accounts on iPhone without affecting email account settings on your computer.

If you like, you can set iPhone to sync with only a portion of what's on your computer. For example, you might want to sync only a group of contacts from your address book, or only unwatched video podcasts. You can adjust sync settings whenever iPhone is connected to your computer.

Important: You can connect and sync with only one iPhone at a time. Disconnect one before connecting another. You should be logged in to your own user account on the computer before connecting iPhone. On a PC, if you sync more than one iPhone to the same user account, use the same sync settings for each.

Setting Up Syncing

You use the iPhone settings panes in iTunes to specify the iTunes content and other information you want to sync to iPhone.



Set up syncing

1. Connect iPhone to your computer, and open iTunes (if it doesn't open automatically).

   Unless your keyboard has a high-powered USB 2.0 port, you must connect iPhone to a USB 2.0 port on your computer.
2. Select iPhone in the iTunes window (below Devices, on the left).
3. Configure the sync settings in each of the settings panes.
4. Click Apply in the lower-right corner of the screen.

The following sections provide an overview of each of the iPhone settings panes. For more information, open iTunes and choose Help > iTunes Help.



Summary Pane

Select "Automatically sync when this iPhone is connected" to have iTunes sync iPhone automatically whenever you connect it to your computer. Deselect this option if you want to sync only by clicking the Sync button in iTunes. For more information about preventing automatic syncing, see page 11.

Select "Sync only checked songs and videos" if you want to sync only items that are individually checked in your iTunes library.

Select "Manually manage music and videos" to turn off syncing in the Music and Video settings panes.

Info Pane

The Info pane lets you configure the sync settings for your contacts, calendars, email accounts, and web browser.

Contacts

You can sync contacts with applications such as Mac OS X Address Book, Microsoft Entourage, and Yahoo! Address Book on a Mac, or with Yahoo! Address Book, Windows Address Book (Outlook Express), or Microsoft Outlook 2003 or 2007 on a PC. (On a Mac, you can sync contacts with multiple applications. On a PC, you can sync contacts with only one application at a time.)

If you sync with Yahoo! Address Book, you only need to click Configure to enter your new login information when you change your Yahoo! ID or password after you've set up syncing.

Note: Syncing won't delete any contact in Yahoo! Address Book that contains a Messenger ID, even if you've deleted the contact from your address book on iPhone or your computer. To delete a contact containing a Messenger ID, log in to your Yahoo! account and delete the contact using Yahoo! Address Book online.

Calendars

You can sync calendars from applications such as iCal and Microsoft Entourage on a Mac, or from Microsoft Outlook 2003 or 2007 on a PC. (On a Mac, you can sync calendars with multiple applications. On a PC, you can sync calendars with only one application at a time.)

Mail Accounts

You can sync email account settings from Mail on a Mac, and from Microsoft Outlook 2003 or 2007 or Outlook Express on a PC. Account settings are only transferred from your computer to iPhone. Changes you make to an email account on iPhone don't affect the account on your computer.

Note: The password for your Yahoo! email account isn't saved on your computer. If you sync a Yahoo! email account, you must enter the password on iPhone. From the Home screen choose Settings > Mail, choose your Yahoo! account, then enter your password in the password field.

Web Browser

You can sync bookmarks from Safari on a Mac, or from Safari or Microsoft Internet Explorer on a PC.

Advanced

These options let you replace the information on iPhone with the information on your computer during the next sync.

Ringtones

Use the Ringtones pane to select the ringtones you want to sync to iPhone.

Music, Podcasts, and Video Panes

Use these panes to specify the media you want to sync. You can sync all music, podcasts, and videos, or select the playlists and specific podcasts and videos you want on iPhone. Audiobooks and music videos are synced along with music.

If you want to watch rented movies on iPhone, transfer them to iPhone using the Video pane in iTunes.

If there's not enough room on iPhone for all the media you've specified, iTunes asks if you want to create a special playlist and set it to sync with iPhone. Then iTunes randomly fills the playlist.

Photos Pane

You can sync photos with iPhoto 4.0.3 or later on a Mac, or with Adobe Photoshop Album 2.0 or later or Adobe Photoshop Elements 3.0 or later on a PC. You can also sync photos in any folder on your computer that contains images.

Preventing iPhone from Syncing Automatically

You may want to prevent iPhone from syncing automatically when you connect iPhone to a computer other than the one you usually sync with.

Turn off automatic syncing for iPhone

- Connect iPhone to your computer, then select iPhone in the iTunes source list (below Devices, on the left) and click the Summary tab. Deselect "Automatically sync when this iPhone is connected." You can still sync manually by clicking the Sync button.

Prevent automatic syncing for all iPhones

- In iTunes choose iTunes > Preferences (on a Mac) or Edit > Preferences (on a PC), click iPhone, and select "Disable automatic syncing for all iPhones."

  If this checkbox is selected, iPhone won't sync automatically, even if "Automatically sync when this iPhone is connected" is selected in the Summary pane.

Prevent automatic syncing one time, without changing any settings

- Open iTunes. Then, as you connect iPhone to your computer, press and hold Command-Option (on a Mac) or Shift-Control (on a PC) until you see iPhone in the iTunes source list (below Devices, on the left).

Sync manually

- Select iPhone in the iTunes source list (below Devices, on the left), then click Sync in the lower-right corner of the window. Or, if you've changed any sync settings, click Apply.

Disconnecting iPhone from Your Computer

Unless iPhone is syncing with your computer, you can disconnect if from your computer at any time.

When iPhone is syncing with your computer, iPhone shows "Sync in progress." If you disconnect iPhone before it finishes syncing, some data may not get transferred. When iPhone finishes syncing, iTunes shows "iPhone sync is complete."

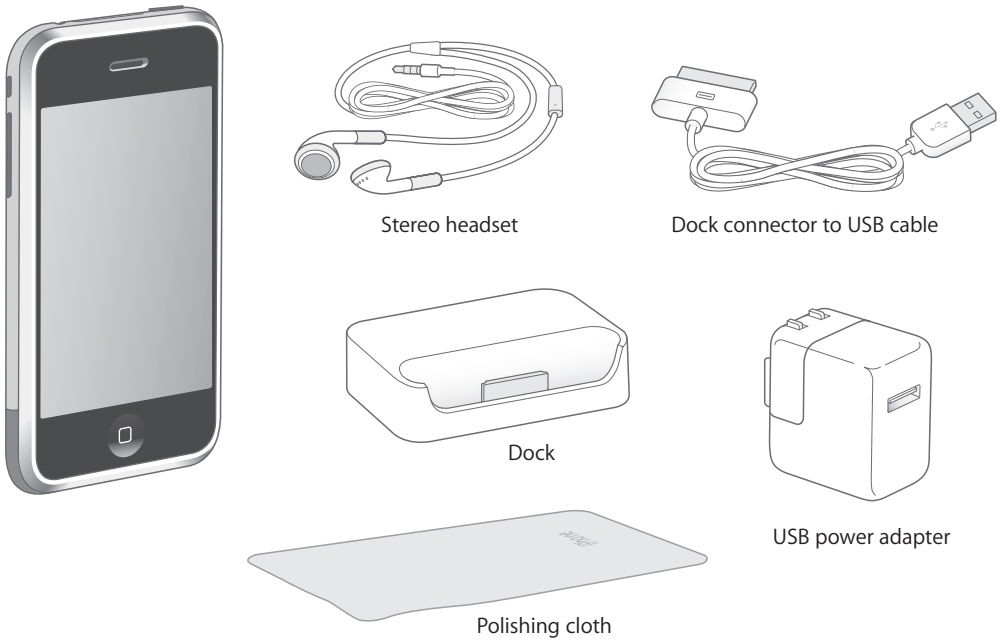
To cancel a sync so you can disconnect iPhone, drag the slider on iPhone. If you get a call during a sync, the sync is canceled automatically and you can unplug iPhone to answer the call. Connect iPhone after the call to finish syncing.

Basics

2

iPhone at a Glance





Item	What you can do with it
Stereo headset	Listen to music, videos, and phone calls. Use the built-in microphone to talk. Click the mic button to answer or end a call. When listening to iPod, click the button once to play or pause a song, or click twice quickly to skip to the next track.
Dock	Connect the dock to your computer or to the power adapter using the included cable, then set iPhone in the dock so it stands upright as it charges or syncs. Connect external speakers to the line out port on the back of the dock using an audio cable that has a standard 3.5 millimeter stereo miniplug.
Dock connector to USB cable	Use the cable to connect iPhone to your computer to sync and charge, or to the power adapter to charge. The cable can be used with the dock or plugged directly into iPhone.
USB power adapter	Connect the power adapter to iPhone using the included cable, then plug it into a standard power outlet to charge iPhone.
Polishing cloth	Wipe the iPhone screen.
SIM eject tool	Eject the SIM card (tool not included with iPhone in all countries).

Status Icons

The icons in the status bar at the top of the screen give information about iPhone:

Status icon		What it means
	Cell signal	Shows whether you're in range of the cell network and can make and receive calls. The more bars, the stronger the signal. If there's no signal, the bars are replaced with "No service."
	Airplane Mode	Shows that airplane mode is on—you cannot use the phone, access the Internet, or use Bluetooth® devices. Non-wireless features are available. See page 91.
	Wi-Fi	Shows that iPhone is connected to the Internet over a Wi-Fi network. The more bars, the stronger the connection. See page 24.
E	**EDGE**	Shows that your carrier's EDGE network is available, and iPhone can connect to the Internet over EDGE. See page 25.
	GPRS	Shows that your carrier's GPRS network is available, and iPhone can connect to the Internet over GPRS. See page 25.
	Lock	Shows that iPhone is locked. See page 17.
	Play	Shows that a song is playing. See page 60.
	Alarm	Shows that an alarm is set. See page 87.
	Bluetooth	*Blue or white icon:* Bluetooth is on and a device, such as a headset or car kit, is connected. *Gray icon:* Bluetooth is on, but no device is connected. *No icon:* Bluetooth is turned off. See page 41.
	Bluetooth Headset battery indicator	Shows battery level for the iPhone Bluetooth Headset when it's connected.
	Battery	Shows battery level or charging status. See page 27.

Home Screen

Press the Home ▢ button at any time to see your iPhone applications. Tap any application icon to get started.

iPhone Applications

The following applications are included with iPhone:

Phone	Make calls, with quick access to recent callers, favorites, and all your contacts. Visual voicemail presents a list of your voicemail messages. Just tap to listen to any message you want, in any order you want.
Mail	Send and receive email using your existing email accounts. iPhone works with the most popular email systems—including Yahoo! Mail, Google email, AOL, and .Mac Mail—as well as most industry-standard POP3 and IMAP email systems.

 **Safari**	Browse any website over a cellular data network or over Wi-Fi. Rotate iPhone sideways for widescreen viewing. Double-tap to zoom in or out—Safari automatically fits sections to the iPhone screen for easy reading. Add Safari Web Clips to the Home screen for fast access to favorite websites.
 **iPod**	Listen to your songs, audiobooks, and podcasts. Watch movies and video podcasts in widescreen.
 **Text**	Send and receive SMS text messages with anyone who has an SMS-capable phone. Conversations are saved in an iChat-like presentation, so you can see a history of messages you've sent and received.
 **Calendar**	View your iCal, Microsoft Entourage, or Microsoft Outlook calendar synced from your computer. Enter events on iPhone and they get synced back to your computer. Set alerts to remind you of events, appointments, and deadlines.
 **Photos**	View photos transferred from your computer or taken with iPhone. View them in portrait or landscape mode. Zoom in on any photo for a closer look. Watch a slideshow. Email photos, add them to a Web Gallery, assign them to contacts, and use them as wallpaper.
 **Camera**	Take clear, crisp photos at two megapixels and view them on iPhone, email them, or upload them to your computer. Take a friend's picture and set iPhone to display it when that person calls you.
 **YouTube**	Play videos from YouTube's online collection.[1] Search for any video, or browse featured, most viewed, most recently updated, and top-rated videos.
 **Stocks**	Watch your favorite stocks, updated automatically from the Internet.
 **Maps**	See a street map, satellite view, or hybrid view of locations around the world. Zoom in for a closer look. Find your current approximate location. Get detailed driving directions and see current highway traffic conditions. Find businesses in the area and call with a single tap.[2]
 **Weather**	Get current weather conditions and a six-day forecast. Store your favorite cities for a quick weather report anytime.
 **Clock**	View the time in cities around the world—create clocks for your favorites. Set one or more alarms. Use the stopwatch, or set a countdown timer.

 Calculator	Add, subtract, multiply, and divide.
 Notes	Jot notes on the go—reminders, grocery lists, brilliant ideas. Send them in email.
 Settings	Adjust all iPhone settings in one convenient place. Set your ringtone, wallpaper, screen brightness, and settings for network, phone, mail, web, music, video, photos, and more. Set auto-lock and a passcode for security.
 iTunes	Search the iTunes Wi-Fi Music Store music catalog, or browse, preview, and purchase new releases, top-ten songs and albums, and more.[3] In select Starbucks locations,[4] find out what song is playing in the café, then buy it instantly. Browse, preview, and purchase other songs from featured Starbucks Collections.

[1] Not available in all areas.
[2] Some features or services not available in all areas.
[3] Not available in all areas.
[4] In the U.S. only.

Customizing the Home Screen Layout

You can customize the layout of icons on the Home screen—including the Dock icons along the bottom of the screen. If you want, arrange them over multiple Home screens.

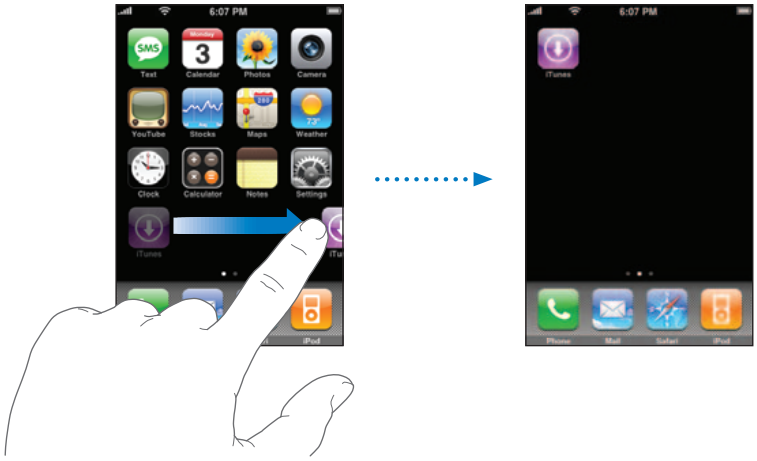
Rearrange icons

1. Touch and hold any Home screen icon until all of the icons begin to wiggle.
2. Arrange the icons by dragging them.
3. Press the Home ▢ button to save your arrangement.

You can also add links to your favorite webpages on the Home screen. See "Adding Safari Web Clips to the Home Screen" on page 56.

Create additional Home screens

- While arranging icons, drag an icon to the right edge of the screen until a new screen appears. You can flick to return to the original screen and drag more icons to the new screen.



You can create up to nine screens. The number of dots at the bottom shows the number of screens you have, and indicates which screen you are viewing.

Switch to another Home screen

- Flick left or right.

Reset your Home screen to the default layout

- Choose Settings > General > Reset and tap Reset Home Screen Layout.

iPhone Buttons and Touchscreen

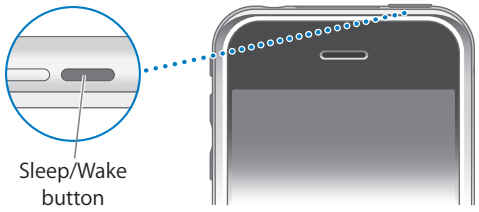
A few simple buttons and a high-resolution touchscreen make it easy to learn and use iPhone.

Locking iPhone and Turning It On or Off

When you're not using iPhone but you still want to receive calls and text messages, you can lock it.

When iPhone is locked, nothing happens if you touch the screen. You can still listen to music and adjust the volume, and use the button on the included stereo headset to play or pause a song, or answer or end a call.

By default, if you don't touch the screen for a minute, iPhone locks automatically.



To	Do this
Lock iPhone	Press the Sleep/Wake button.
Unlock iPhone	Press the Home ▢ button or the Sleep/Wake button, then drag the slider.
Turn iPhone completely off	Press and hold the Sleep/Wake button for a few seconds until the red slider appears, then drag the slider. When iPhone is off, incoming calls go straight to voicemail.
Turn iPhone on	Press and hold the Sleep/Wake button until the Apple logo appears.

For information about changing the time before iPhone locks, see "Auto-Lock" on page 97. For information about setting iPhone to require a passcode to unlock it, see "Passcode Lock" on page 97.

Using the Touchscreen

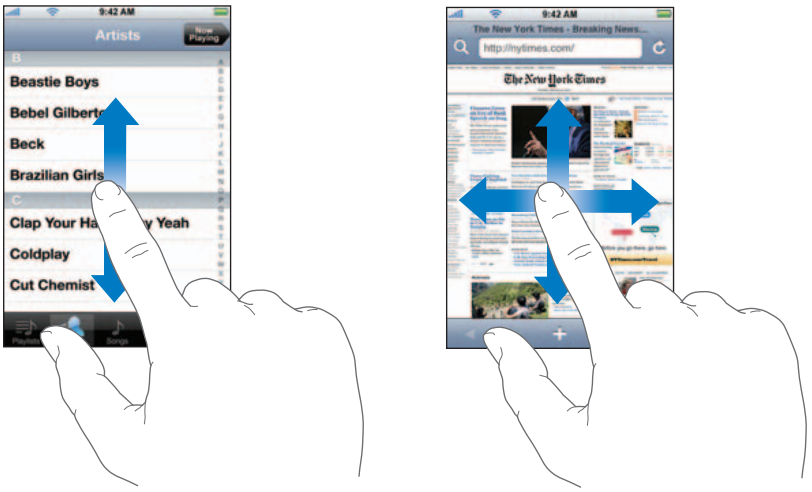
The controls on the iPhone touchscreen change dynamically depending on the task you are performing.

- Tap any application to open it.



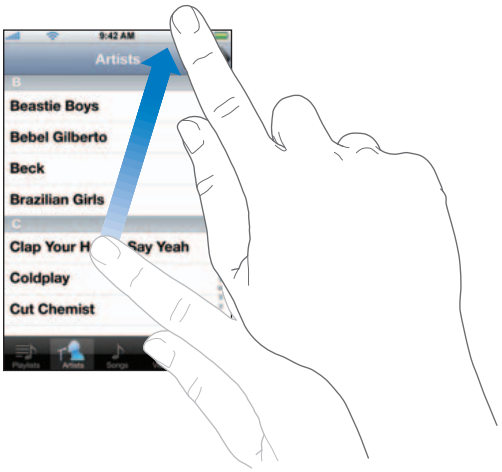
- Press the Home ▢ button below the display at any time to return to the Home screen.

- Drag up or down to scroll. On some screens such as webpages, you can also scroll side to side.



Dragging your finger to scroll won't choose or activate anything on the screen.

- Flick to scroll quickly.

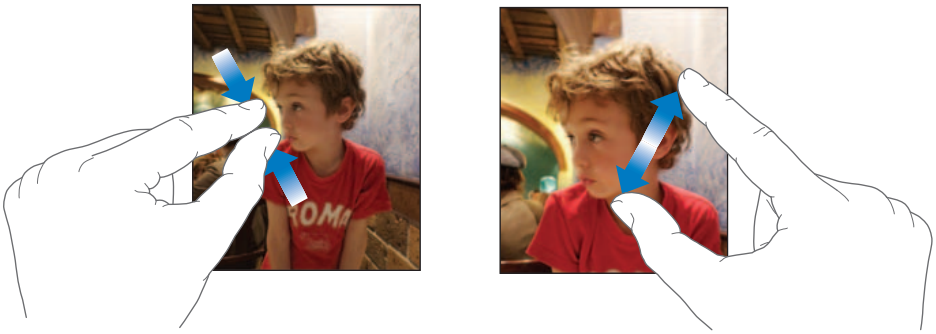


You can wait for the scrolling to come to a stop, or tap or touch anywhere on the screen to stop it immediately. Tapping or touching to stop scrolling won't choose or activate anything on the screen.

- Some lists have an index along the right side. Tap a letter to jump to items starting with that letter. Drag your finger along the index to scroll quickly through the list.



- Tap an item in the list to choose it. Depending on the list, tapping an item can do different things—for example, it may open a new list, play a song, open an email, or show someone's contact information so you can call that person.
- The back button in the upper-left corner shows the name of the previous list. Tap it to go back.
- When viewing photos, web pages, email, or maps, you can zoom in and out. Pinch your fingers together or apart. For photos and web pages, you can double-tap (tap twice quickly) to zoom in, then double-tap again to zoom out. For maps, double-tap to zoom in and tap once with two fingers to zoom out.



Onscreen Keyboard

Use the onscreen keyboard to enter text, such as contact information, text messages, or URLs. Depending on the application you're using, the intelligent keyboard may automatically suggest corrections as you type (some languages only), to help prevent mistyped words.

iPhone provides keyboards in multiple languages, and supports the following keyboard formats:

- QWERTY
- QWERTZ

- AZERTY
- QZERTY
- Japanese IME

See "Keyboard" on page 98 for information about turning on keyboards for different languages and other keyboard settings.

Entering Text

Start by typing with just your index finger. As you get more proficient, you can type more quickly using two thumbs.

1 Tap a text field, such as in a note or new contact, to bring up the keyboard.

2 Tap keys on the keyboard.

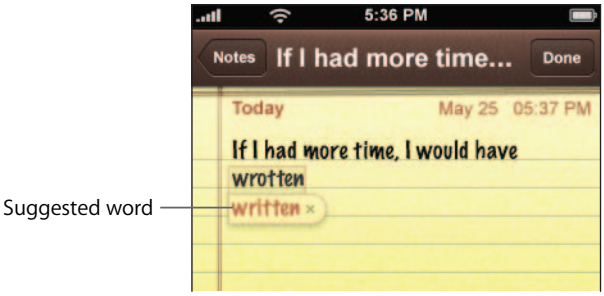
As you type, each letter appears above your thumb or finger. If you touch the wrong key, you can slide your finger to the correct key. The letter is not entered until you release your finger from the key.



To	Do this
Type uppercase	Tap the Shift ⇧ key before tapping a letter.
Quickly type a period and space	Double-tap the space bar.
Turn caps lock on	Enable caps lock (see page 98), then double-tap the Shift ⇧ key. The Shift key turns blue, and all letters you type are uppercase. Tap the Shift key again to turn caps lock off.
Shows numbers, punctuation, or symbols	Tap the Number .?123 key. Tap the Symbol #+= key to see additional punctuation and symbols.

Accepting or Rejecting Dictionary Suggestions

iPhone has dictionaries for English, English (UK), French, German, and Italian. The appropriate dictionary is activated automatically when you select a keyboard on iPhone. iPhone uses the active dictionary to suggest corrections or complete the word you're typing.

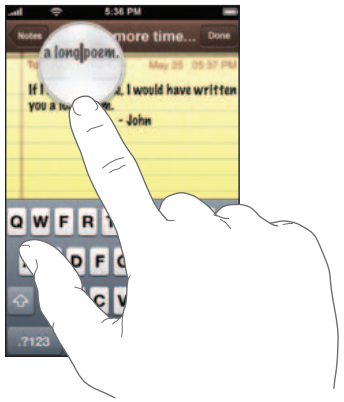


You don't need to interrupt your typing to accept the suggested word.

- *To use the suggested word,* type a space, punctuation mark, or return character.
- *To reject the suggested word,* finish typing the word as you want it, then tap the "x" to dismiss the suggestion before typing anything else. Each time you reject a suggestion for the same word, iPhone becomes more likely to accept your word.

Editing text

- Touch and hold to see a magnified view, then drag to position the insertion point.

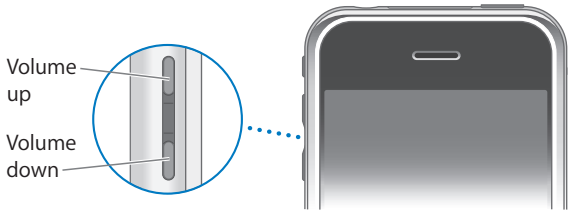


Adjusting the Volume

When you're on the phone or listening to songs, movies, or other media, the buttons on the side of iPhone adjust the audio volume. Otherwise, the buttons control the volume for the ringer, alerts, and other sound effects.

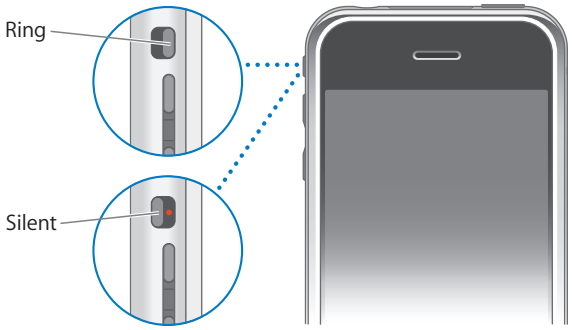
> ***WARNING:*** For important information about avoiding hearing loss, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

- To adjust the volume, use the buttons on the side of iPhone.



To set a volume limit for music and videos on iPhone, see page 105.

- Flip the Ring/Silent switch to change between ring and silent modes.



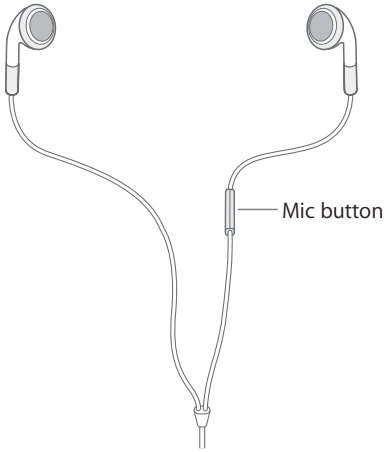
When set to ring mode, iPhone plays all sounds. When set to silent mode, iPhone doesn't ring or sound any alerts or sound effects. Alarms set using Clock do sound, however. By default, when you get a call, iPhone vibrates whether it's set to ring or silent mode. If iPhone is set to ring mode, you can silence a call by pressing the Sleep/Wake button or one of the volume buttons once. Press a second time to send the call to voicemail.

For information about changing sound and vibrate settings, see page 93.

Using the Stereo Headset

The headset included with iPhone features a microphone and an integrated button that allows you to answer and end calls easily, and control audio and video playback.

Plug in the headset to listen to music or a phone call. Callers hear you through the headset microphone. Click the mic button to control music playback and answer or end calls, even when iPhone is locked.



To	Do this
Pause a song or video	Click the mic button once. Click again to resume playback.
Skip to the next song	Click twice quickly.
Answer an incoming call	Click once.
End the current call	Click once.
Decline an incoming call	Press and hold for about two seconds, then let go. When you let go, two low beeps confirm you declined the call.
Switch to an incoming or on-hold call and put the current call on hold	Click once. Click again to switch back to the first call.
Switch to an incoming or on-hold call and end the current call	Press and hold for about two seconds, then let go. When you let go, two low beeps confirm you ended the first call.

If you get a call while the headset is plugged in, you can hear the ringtone through both the iPhone speaker and the headset.

Connecting to the Internet

iPhone connects to the Internet automatically whenever you use Mail, Safari, YouTube, Stocks, Maps, Weather, or the iTunes Wi-Fi Music Store. iPhone does the following, in order, until connected:

- Connects over the last Wi-Fi network you used that's available.
- If no previously used Wi-Fi networks are available, iPhone shows a list of Wi-Fi networks in range. Tap a network and, if necessary, enter the password to join. Networks that require a password show a lock next to them. You can prevent iPhone from automatically showing available networks. See "Set iPhone to ask if you want to join a new network" on page 92.

- If no Wi-Fi networks are available or you choose not to join any, iPhone connects to the Internet over a cellular data network (E or ■). You cannot access the iTunes Wi-Fi Music Store over a cellular network.

If no Wi-Fi networks are available and a cellular data network is not available, iPhone cannot connect to the Internet. Turning on airplane mode disables both Wi-Fi and cellular network access.

Note: Because iPhone uses the cellular network for the phone, you cannot use the Internet over a cellular network when you're on a call. To talk on the phone and use Internet applications at the same time, connect over a Wi-Fi network.

Many Wi-Fi networks can be used free of charge including, in some regions, Wi-Fi hotspots provided by your iPhone carrier. Some Wi-Fi networks require a fee. To join a Wi-Fi network at a hotspot where charges apply, you can usually open Safari to see a webpage that allows you to sign up for service.

Joining a Wi-Fi Network

The Wi-Fi settings let you turn on Wi-Fi and join Wi-Fi networks.

Turn on Wi-Fi

- Choose Settings > Wi-Fi and turn Wi-Fi on.

Join a Wi-Fi network

- Choose Settings > Wi-Fi, wait a moment as iPhone detects networks in range, then select a network. If necessary, enter a password and tap Join (networks that require a password appear with a lock icon).

Once you've joined a Wi-Fi network manually, iPhone will automatically connect to it whenever the network is in range. If more than one previously used network is in range, iPhone joins the one last used.

When iPhone is connected to a Wi-Fi network, the Wi-Fi icon in the status bar at the top of the screen shows connection strength. The more bars you see, the stronger the connection.

For information about configuring Wi-Fi settings, see "Wi-Fi" on page 92.

Accessing the Internet via Cellular Network

EDGE and GPRS allow Internet connectivity over the cellular network available through your iPhone carrier's wireless service. Check the carrier's network coverage in your area for availability.

While iPhone is actively transferring data over a cellular network—downloading a webpage, for example—you may not be able to receive calls. Incoming calls then go directly to voicemail.

You can tell iPhone is connected to the Internet over EDGE if you see E in the status bar at the top of the screen. If iPhone is connected to the Internet over GPRS, appears in the status bar.

If you're outside your carrier's network, you may be able to access the Internet from another carrier. To enable email, web browsing, and other data services whenever possible, turn Data Roaming on.

- In Settings, choose General > Network and turn Data Roaming on.

Note: Roaming charges may apply. To avoid roaming charges, make sure Data Roaming is turned off.

Using iPhone on an Airplane

Airplane mode disables the wireless features of iPhone to avoid interfering with aircraft operation and other electrical equipment.

- From the Home screen choose Settings, then turn airplane mode on.

When you turn on airplane mode, appears in the status bar at the top of the screen. No cell phone, radio, Wi-Fi, or Bluetooth signals are emitted from iPhone. You cannot:

- Make phone calls
- Send or receive email
- Browse the Internet
- Send or receive text messages
- Stream YouTube videos
- Get stock quotes
- Get maps locations
- Get weather reports

If allowed by the aircraft operator and applicable laws and regulations, you can continue to use iPhone to:

- Listen to music and watch video
- Listen to visual voicemail
- Check your calendar
- Take or view pictures
- Hear alarms
- Use the stopwatch or timer
- Use the calculator
- Take notes
- Read text messages and email messages stored on iPhone

Charging the Battery

iPhone has an internal rechargeable battery.

> ***WARNING:*** For important safety information about charging iPhone, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Charge the battery

- Connect iPhone to a power outlet using the included cable and power adapter.

Charge the battery and sync iPhone

- Connect iPhone to your computer using the included cable and dock.

  Unless your keyboard has a high-powered USB 2.0 port, you must connect iPhone to a USB 2.0 port on your computer.



Note: If iPhone is connected to a computer that's turned off or is in sleep or standby mode, the iPhone battery may drain.

An icon in the upper-right corner of the screen shows battery charging status.



If you charge the battery while syncing or using iPhone, it may take longer to charge.

Important: If iPhone is very low on power, it may display one of the following images indicating that iPhone needs to charge for up to ten minutes before you can use it. If iPhone is extremely low on power, the display may be blank for up to two minutes before one of the low-battery images appears.



or



Rechargeable batteries have a limited number of charge cycles and may eventually need to be replaced. The iPhone battery is not user replaceable; it can only be replaced by an authorized service provider. For more information, go to: www.apple.com/batteries

Cleaning iPhone

Use the polishing cloth that came with iPhone to gently wipe the glass screen and the case.

You can also use a soft, slightly damp, lint-free cloth. Unplug and turn off iPhone (press and hold the Sleep/Wake button, then drag the onscreen red slider). Avoid getting moisture in openings. Don't use window cleaners, household cleaners, aerosol sprays, solvents, alcohol, ammonia, or abrasives to clean iPhone.

Phone

3

Tap Phone to make calls, view and add contacts, and check voicemail.



Making a call on iPhone is as simple as tapping a name or number in your contacts list or tapping a contact in your favorites list. Or tap the name of a recent caller to return the call. If you've set up iTunes to sync contacts automatically, your contacts are synced with the address book on your computer each time you connect iPhone.

Visual voicemail displays a list of your voicemail messages so you can listen to them in whatever order you chose. Or tap to get more information, such as the time and duration of the call. (Visual voicemail may not be available in all regions.)

Calling and Answering

The cell signal indicator at the top of the screen shows whether you're in range of the cell network and can make and receive calls. The more bars, the stronger the signal.

WARNING: For important information about driving safely, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Making a Call

Making a call is easy—simply tap an entry in your list of contacts, favorites, or recent calls on iPhone. Or you can make a call the "old-fashioned" way, by entering a number on the keypad.

Call someone in your contacts list

- Tap Contacts and choose a contact, then tap the phone number you want to call.

Call someone in your favorites list

- Tap Favorites and choose a contact.

You can double-click the Home button to quickly go to Favorites. See “Home Button” on page 95.

For information about adding people to your favorites list, see page 39.

Call someone you’ve recently called or who has recently called you

- Tap Recents and choose a person or number. Calls you’ve missed are shown in red. Tap Missed to see only missed calls.

Dial a call

- Tap Keypad and enter the number, then tap Call. Tap ⌫ if you make a mistake. You can also tap Keypad and then tap Call, to bring up the number of the last number you dialed.

While You’re On a Call

When you’re on a call, the screen shows call options.

Call options



To	Do this
Mute the microphone	Tap Mute. The caller can’t hear you, but you can still hear the caller. Tap Mute again for the caller to hear you.
Use the keypad to enter information	Tap Keypad. You can use the keypad to enter information requested by automated voice systems, such as when calling airlines reservations. Tap Hide Keypad to see call options again.
Use the speakerphone or a Bluetooth device, so you can talk and listen hands-free	Tap Speaker anytime you’re on a call. If iPhone is paired with an active Bluetooth headset or car kit, the button is labeled Audio Source and lets you select the Bluetooth device, iPhone, or Speaker Phone.
Make a conference call	Tap Add Call. For information about conference calling, see page 33.
Put a call on hold	Tap Hold. The caller can’t hear you and you can’t hear the caller. Tap Hold again to talk again.

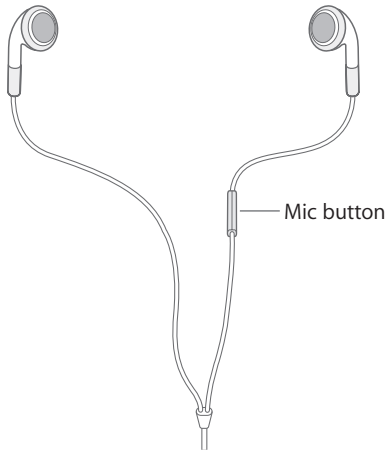
To	Do this
Use iPhone applications while you're on a call	While on a call, press the Home button to go to the Home screen and use other applications. Or tap Contacts to browse contacts. So for example, you can check your calendar or takes notes while on a call. If you're connected to Wi-Fi, you can also browse the web and use other Internet applications such as Maps—to find the location of a restaurant, perhaps. To return to the call screen from another application, tap the green bar at the top of the screen.
End a call	Tap End Call. If you're listening through the included stereo headset, you can also click the mic button to end a call.

Answering a Call

When someone calls you, iPhone rings and displays the caller's information, if available.

Answer a call

- When you receive a call, do one of the following:
  - Tap Answer. Or, if iPhone is locked, drag the slider.
  - If you're listening through the stereo headset, you can click the mic button to answer.



Silencing or Declining a Call

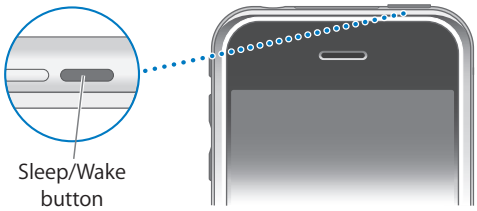
When a call comes in, you may not want to answer it, or you may need to stop iPhone from ringing or vibrating. You can silence or decline an incoming call. When you silence a call, you still have a chance to answer it, until the call goes to voicemail. When you decline a call, the call is silenced and sent directly to voicemail.

Silence a call

- Press the Sleep/Wake button once, or either of the volume buttons.

Decline a call

- Do one of the following:
  - Press the Sleep/Wake button twice quickly.



  - Press and hold the mic button on the headset for about two seconds, then let go. When you let go, two low beeps confirm that the call was declined.
  - Tap Decline. Decline appears only when you're using iPhone.

Checking Recent and Missed Calls

iPhone keeps a list of the most recent calls you made or received.

See a list of recently made, received, and missed calls

- Tap Recents.

Missed calls appear in red. To list only your missed calls, tap Missed.

Tap the next to an entry to see more information about the call, such as whether the call was incoming or outgoing. If the call was to or from someone in your contacts, all of the contact information is shown and the phone number used for the call appears in blue. A star indicates that the number is also in your favorites list.

Making or Answering a Second Call During a Call

You can make or receive another call while you're already on the phone. If you receive a second call, iPhone beeps and shows the caller's information and a list of options.

Put a caller on hold and make a second call

- Tap Add Call and make a second call.

Respond to an incoming call

- Do one of the following:
  - *To ignore the call and send it to voicemail,* tap Ignore.
  - *To hold the first call and answer the new call,* tap Hold Call + Answer.

- *To end the first call and answer the new one,* tap End Call + Answer.

To	Do this
Switch back to the first call and put the second call on hold	Tap the first call at the top of the screen, or tap Swap.
Merge the two calls, so all three of you can talk	Tap Merge Calls.

Conference Calling

Conference calling lets you talk to more than one person at a time. You can merge up to five calls for a phone conference.

Start a conference call

1. Make a call.
2. Tap Add Call and make another call. The first call is put on hold. If you want, you can talk on the second line privately before merging the calls.
3. Tap Merge Calls. The calls are merged onto one line and everyone can hear each other.
4. Repeat steps two and three to add more calls to the conference.

To	Do this
Drop one call from a conference	Tap Conference and tap  next to a call. Then tap End Call.
Talk privately with a call in a conference	Tap Conference and tap Private next to a call. Tap Merge Calls to return the call to the conference.
Add an incoming call to a conference	Tap Hold Call + Answer, then tap Merge Calls.

iPhone always has two lines available, one of which can be a conference call.

Emergency Dialing

Call for help in an emergency

- Tap Keypad and dial the number, then tap Call. Or if iPhone is locked with a passcode (see page 97), tap Emergency Call, then dial the number.

Note: You should not rely on wireless devices for essential communications, such as medical emergencies. Use of any cellular phone to call emergency services may not work in all locations. Emergency numbers and services vary by region, and sometimes an emergency call cannot be placed due to network availability or environmental interference. Some cellular networks may not accept an emergency call from iPhone if it does not have a SIM, the SIM is PIN-locked, or if you have not activated your iPhone.

Visual Voicemail

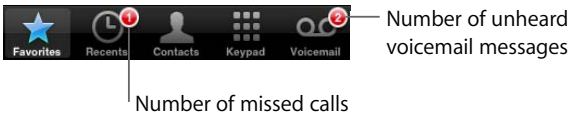
When you decline or don't answer a call, the caller hears a recorded greeting and can leave a voicemail message. On iPhone, visual voicemail lets you see a list of your messages and choose which ones to listen to or delete, without having to listen to prior messages or voice instructions.

Note: Visual voicemail may not be available in all regions.

The Phone icon on the Home screen shows the total number of missed calls and unheard voicemail messages you have.



When you tap Phone, the Voicemail button shows the number of unheard voicemail messages and the Recents button shows the number of missed calls.



Setting Up Voicemail

Set up voicemail and create a password

- Tap Voicemail. The first time you tap Voicemail, iPhone prompts you to create a voicemail password and record your voicemail greeting.

Record a new voicemail greeting

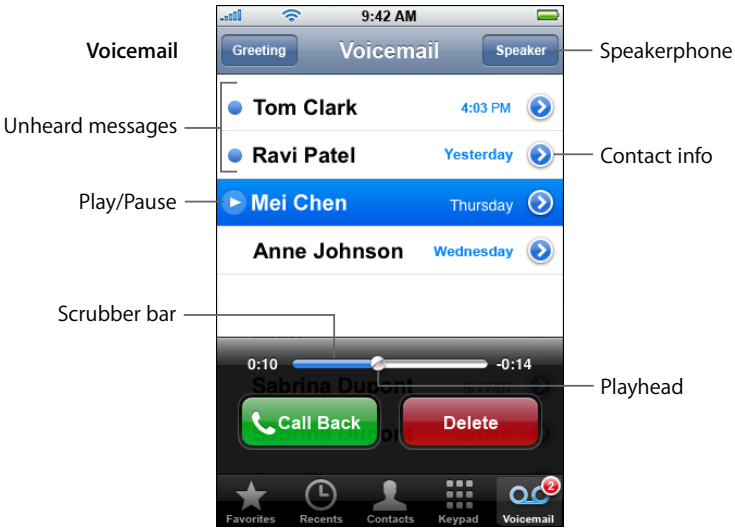
1. Tap Voicemail and tap Greeting. Then tap Custom.
2. Tap Record and say your greeting.
3. When you finish, tap Stop. To listen to your greeting, tap Play.
4. When you're satisfied, tap Save.

Set iPhone to play a default voicemail greeting

- Tap Voicemail and tap Greeting. Then tap Default. When someone calls, they'll hear a standard message that includes your phone number.

Checking Voicemail

On iPhones with visual voicemail, the Voicemail screen shows your voicemail messages. Unheard messages have a blue dot next to them.



Listen to a new voicemail message

- If you receive visual voicemail, tap Voicemail, then tap the new message. The message downloads to iPhone and plays. Tap ⏸ to pause the message. Tap ▶ to resume playback.

  You can skip to any point in a message by dragging the playhead on the scrubber bar. This is useful if you want to review part of a message—to hear a phone number again, for example.

  Once you listen to a message, it is saved for a limited number of days (depending on your carrier), then deleted automatically.

To	Do this
Listen to a message again	Tap the message and tap ▶.
Listen to a deleted message	Tap Deleted Messages (at the end of your voicemail messages), then tap the message you want to hear.
Listen over the speakerphone	Tap Speaker.
Select audio when a Bluetooth headset or car kit is connected	Tap Audio and choose the Bluetooth device, iPhone, or Speaker Phone.

- If visual voicemail is not available, tap Voicemail and follow the voice prompts to retrieve your voicemail messages.

Check voicemail from another phone

- Dial the remote access voicemail number provided by your carrier.

  To set up a password for voicemail, see “Change the voicemail password” on page 102.

Returning a Call

It's simple to return a call from visual voicemail.

- Tap a message, then tap Call Back.

Deleting Messages

Deleted visual voicemail messages are saved on iPhone for a time, then they are automatically and permanently erased. Before messages are erased permanently, you can still view and listen to them, and even undelete them.

Delete a message

- If you receive visual voicemail, tap a message, then tap Delete.

  If visual voicemail isn't available, tap Voicemail and follow the voice prompts to retrieve and delete your voicemail messages.

Undelete a message

- Tap Deleted Messages (at the end of your visual voicemail messages), then tap a message and tap Undelete. The message returns to your messages list.

Getting Contact Information

Visual voicemail saves more than just recorded messages. The date and time of the call, the length of the message, and any available contact information are all included.

If the caller is already in your contacts, that information is a tap away. If the message is from someone not in your contacts, you can easily add the number if it's not blocked. You can also add a caller to your favorites list from visual voicemail.

To	Do this
See a caller's contact information	Tap ⓘ next to a message. Tap a number or email address to contact the caller. Tap Text Message to text the caller.
Add a caller's number to your contacts list	Tap ⓘ next to a message. Then tap Create New Contact, or tap "Add to Existing Contact" and choose a contact.
Add a caller to your favorites list	Tap ⓘ next to a message, then tap "Add to Favorites."

Setting an Alert Sound for Voicemail

You can set an alert to sound whenever you receive a new voicemail. The alert sounds only once for each new voicemail.

Set an alert sound for new voicemail

- From the Home screen choose Settings > Sounds, then turn New Voicemail on or off.

  If the Ring/Silent switch is off, iPhone won't make alert sounds even if they're turned on in Settings.

Recording Your Voicemail Greeting

The voicemail greeting, or outgoing message, is what a caller hears when you decline or don't answer a call, and the call is sent to voicemail. A default greeting may be provided by your carrier. You can record a custom greeting to use instead.

Record a voicemail greeting

1. In Voicemail, tap Greeting in the upper-left corner of the screen.
2. Tap Custom.
3. Tap Record when you're ready to record your greeting.
4. Tap Stop when you finish.

   To review the greeting, Tap Play. If you're not satisfied, repeat steps 2 through 4 to re-record the greeting.
5. Tap Save.

Adding Contact Information to iPhone

With iPhone Contacts, it's easy to have all your contact information with you. You can sync the contact information from your computer to iPhone, and you can enter new contacts and make changes directly on iPhone.

Syncing Contact Information from Your Computer

If you've set up iTunes to sync contacts automatically, iTunes keeps your contacts up-to-date—whether you make changes on your computer or on iPhone. iTunes supports syncing with the following applications on your computer.

- *On a Mac:* Mac OS X Address Book, Microsoft Entourage, and Yahoo! Address Book
- *On a PC:* Yahoo! Address Book, Windows Address Book (Outlook Express), or Microsoft Outlook 2003 or 2007

For information about syncing iPhone with your address books and other information on your computer, see "Syncing iPhone with Your Computer" on page 7.

Adding and Editing Contacts Directly on iPhone

Your contacts are always quickly available on iPhone, whenever you need them. iPhone lets you view and add contact information directly from Phone, Mail, and Text applications. If someone calls, emails, or sends you a text message, you can add them to your contacts, right where you are. If you're entering a new contact from scratch, however, you do that in Phone.

Add a contact to iPhone

- Choose Contacts and tap +, then enter the contact information.

Delete a contact

1. Tap Contacts and choose a contact.
2. Tap Edit.

   Scroll to the bottom of the contact information and tap Delete Contact.

Add a contact from a number entered using the keypad

1. Tap Keypad and enter a number, then tap .
2. Tap Create New Contact and enter the caller's information, or tap "Add to Existing Contact" and choose a contact.

Edit a contact's phone number, address, and other information

- Tap Contacts and choose a contact, then tap Edit.
  - *To add an item—such as a web address or mobile phone number,* tap  next to the item.
  - *To delete an item,* tap  next to it.

Enter a pause in a number

- Tap , then tap Pause.

  Pauses are sometimes required by phone systems—before an extension or password, for example. Each pause lasts 2 seconds. You may need to enter more than one.

Add a recent caller's information to your contacts

- Tap Recents and tap  next to the number. Then tap Create New Contact and enter the caller's information, or tap "Add to Existing Contact" and choose a contact.

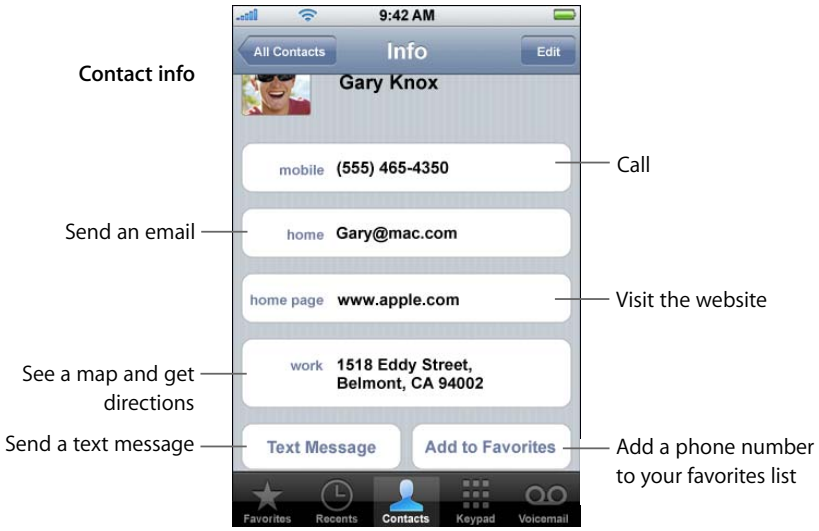
Assign a photo to a contact or change a contact's photo

1. Tap Contacts and choose a contact.
2. Tap Edit and tap Add Photo, or tap the existing photo.
3. Tap Take Photo to use the camera to take a picture. Or tap Choose Existing Photo and choose a photo.
4. Move and scale the photo the way you want it. Pinch or double-tap to zoom in or out. Drag the photo up, down, or sideways.
5. Click Set Photo.

Using Contact Information

You can do a lot more than make a call from the Info screen. For example, with a single tap, create a new email message addressed to your contact, visit their website, or locate their home or business in Maps.

- Tap contacts and choose a contact. Then tap an item.



Adding Entries to Your Favorites List for Quick Access

Add a contact's number to your favorites list

- Tap Contacts and choose a contact. Then tap "Add to Favorites" and choose the number you want to add.

Add a recent caller's number to your favorites list

- Tap Recents and tap next to a caller, then tap "Add to Favorites."

To	Do this
Call a contact from your favorites list	Tap Favorites and choose a contact.
Delete a contact from your favorites list	Tap Favorites and tap Edit. Then tap next to a contact or number and tap Remove.
Reorder your favorites list	Tap Favorites and tap Edit. Then drag next to a contact to a new place in the list.

Seeing Your Own Phone Number

In some regions, iPhone displays your phone number at the top of the Contacts screen.

- Tap Contacts and scroll to the top of the list.

Ringtones

iPhone comes with a number of ringtones that you can use for incoming calls, Clock alarms, and the Clock timer. You can also create ringtones in iTunes using songs purchased from the iTunes Store.[1] Use the Ringtones pane in iTunes to select the ringtones you want to sync to iPhone. See "Setting Up Syncing" on page 8.

A dedicated switch on the side of iPhone lets you quickly turn ringing on or off. You can also set iPhone to vibrate or not.

Setting Ringtones

In addition to the default ringtone, you can assign individual ringtones to people in your contacts so that you can tell when a particular person calls.

Set the default ringtone

- From the Home screen choose Settings > Sounds > Ringtone, then choose a ringtone.

Assign a ringtone to a contact

- From Phone, tap Contacts and choose a contact. Tap Ringtone and choose a ringtone. When that person calls, you hear that ringtone.

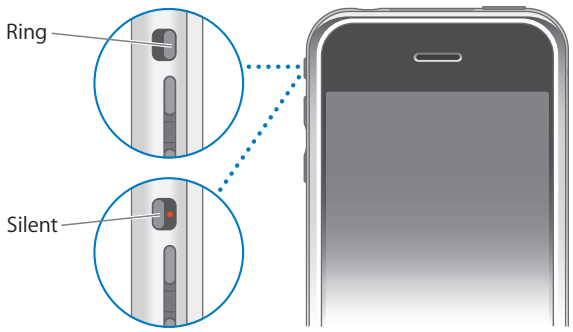
Setting the Ring Mode

You can switch between ring and silent mode. You can set iPhone to vibrate in either mode or both.

Note: Alarms that you've set using the Clock application still sound even when you set the Ring/Silent switch to silent.

Switch between ring mode and silent mode

- Flip the Ring/Silent switch on the side of iPhone.



You can tell by feel if iPhone is set to ring or be silent. The Ring/Silent switch is aligned with the volume buttons when it is set to ring. In silent mode, the button is offset.

[1] Charges may apply. Not all songs in the iTunes Store can be used to create ringtones.

Setting iPhone to Vibrate

You can have iPhone vibrate when you receive a call. Separate controls let you set iPhone to vibrate in ring mode, silent mode, or both.

Set whether iPhone vibrates

- From the Home screen choose Settings > Sounds. To set whether iPhone vibrates in silent mode, turn Vibrate under Silent on or off. To set whether iPhone vibrates in ring mode, turn Vibrate under Ring on or off.

For more information about changing sound and vibrate settings, see page 93.

Using iPhone with a Bluetooth Headset or Car Kit

You can talk on iPhone hands-free using the optional iPhone Bluetooth Headset.

You can also use iPhone with other Bluetooth headsets. If your car has a Bluetooth car kit, you can talk in your car hands-free without using a headset.

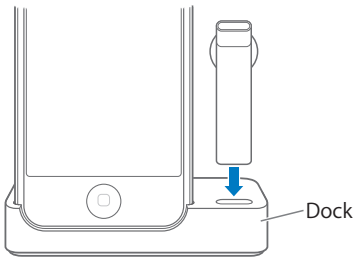
> ***WARNING:*** For important information about avoiding hearing loss and about driving safely, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Using the iPhone Bluetooth Headset

The iPhone Bluetooth Headset, available separately, is unlike any other Bluetooth headset you've used before. It features autopairing and simple operation. You can pair iPhone with the headset simply by placing iPhone and the headset in the iPhone Dual Dock, which comes with the headset. Pairing sets iPhone to work with only one headset, preventing connections with other headsets.

Pair iPhone with the iPhone Bluetooth Headset

- Connect the iPhone Dual Dock to your computer, then place iPhone and the headset in the dock.



The first time you connect the headset, let it charge for about an hour until the status light on the headset turns from amber to green. When iPhone and the headset are both in the dock, iPhone displays the battery level for the headset.

Connect the iPhone Bluetooth Headset with iPhone

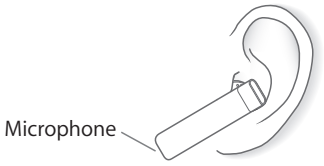
Before you can answer or make calls with the headset, the headset must be wirelessly connected to iPhone.

- Press the button on the headset.

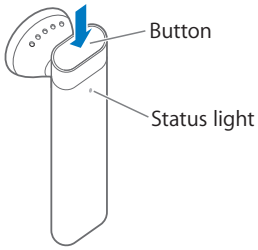
  When the headset is connected, the blue (ᛒ) or white (ᛒ) Bluetooth icon appears in the iPhone status bar at the top of the screen (the color of the icon depends on the color of the current status bar). An icon showing the headset battery status ( ) also appears in the status bar.

Make or answer a call

1. Place the headset in either ear with the microphone pointed towards your mouth.



2. Make a call on iPhone, or press the button on top of the headset to answer an incoming call.



3. When you finish, press the button to end the call.

Adjust the volume

- Use the volume buttons on the side of iPhone.

Using a Third-Party Headset or Car Kit

Other Bluetooth headsets and car kits may be used with iPhone as well. You must first pair a Bluetooth device with iPhone before you can use it for your phone calls.

Pairing a Bluetooth Headset or Car Kit

Pairing sets iPhone to work with only one headset. This prevents iPhone from sending your calls to some other headset.

Pair iPhone with a Bluetooth headset or car kit

1. Follow the instructions that came with the headset or car kit to make it discoverable or to set it to search for other Bluetooth devices. This may involve entering a passkey or PIN number.
2. From the Home screen, choose Settings > General > Bluetooth and turn Bluetooth on. iPhone searches for nearby Bluetooth devices.
3. Choose the headset or device on iPhone and enter a passkey or PIN number. The instructions that came with the headset or car kit should tell you how to get the passkey.

Routing Calls Through a Bluetooth Headset, Car Kit, or iPhone

After you've paired a Bluetooth device to work with iPhone, you must make a connection to have iPhone use the device for your calls.

When iPhone is connected to a Bluetooth device, all outgoing calls are routed through the device by default. Incoming calls are routed through the device if you answer using the device, and through iPhone if you answer using iPhone. In some cases, your contacts list transfers to the car kit and you can start a call by looking up a contact on the car kit's display.

iPhone can be connected with only one Bluetooth device at a time.

Route calls through a Bluetooth headset or car kit

- Make a connection between iPhone and the headset or car kit.

  To connect with a third-party Bluetooth headset, see the documentation that came with the headset.

  Once you have paired iPhone with a Bluetooth car kit, iPhone connects to the car kit automatically when you start the car (if you have iPhone with you and Bluetooth is turned on).

Bluetooth Status

You can see whether Bluetooth is on or off, and whether a Bluetooth device is connected to iPhone, by looking at the Bluetooth icon ✱ in the iPhone status bar at the top of the screen:

- ✱ *or* ✱ *(white):* Bluetooth is on and a device is connected to iPhone.
- ✱ *(gray):* Bluetooth is on but no device is connected. If you've paired a device with iPhone, it may be out of range or turned off.
- *No Bluetooth icon in status bar*: Bluetooth is turned off.

Routing Calls Back through iPhone

There are a few ways to stop using a headset or car kit and go back to hearing calls through iPhone.

Route calls through iPhone

- Answer a call by tapping the iPhone touchscreen.
- During a call, tap Audio on iPhone. Choose iPhone to hear calls through iPhone, choose Speaker Phone to hear calls through the speakerphone, or choose a connected Bluetooth device.
- Turn off Bluetooth. From the Home screen choose Settings > General > Bluetooth and drag the switch to Off.
- Turn off the headset or car kit, or move out of range. You must be within about 30 feet of a Bluetooth device for it to be connected to iPhone.

  To turn off the iPhone Bluetooth Headset, press and hold the button until you hear the falling tones.

Unpairing a Device from iPhone

If you've paired iPhone with a device and want to use another device instead, you must unpair the first device.

Unpair a device from iPhone

1. From the Home screen choose Settings > General > Bluetooth. If Bluetooth isn't on, turn it on.
2. Choose a device and tap Unpair.

Until you pair the device with iPhone again, iPhone doesn't route calls through it.

Turning Bluetooth on iPhone On or Off

- From the Home screen choose Settings > General > Bluetooth, then turn Bluetooth on or off.

Calling to and from Other Countries

iPhone is a quad-band GSM phone. It supports the most common frequencies in the U.S., Europe, and Asia (850, 900, 1800, and 1900 MHz), ensuring broad international coverage.

International Calls

Your carrier's calling plans allow you to make international calls from your home country. International long-distance rates may apply when you make a call to another country.

For information about making international calls, including rates and other charges that may apply, contact your carrier or go to your carrier's website.

International Roaming

You can use iPhone to make calls in many countries around the world. You must first enable your carrier's service plan for international roaming.

So that you can still make calls by tapping entries in contacts or favorites, you can set iPhone to add your country prefix automatically to phone numbers when you're calling from another country.

When you're traveling outside your carrier's network, you may be able to choose among different carriers in the area where you're traveling.

Note: Roaming charges may apply. To avoid roaming charges, make sure Data Roaming is turned off.

For information about making international calls, including rates and other charges that may apply, contact your carrier or go to your carrier's website.

Make a call from outside your home country

- Contact your carrier to enable your iPhone account for international roaming.

Set iPhone to add the correct prefix when dialing from another country

- From the Home screen choose Settings > Phone, then turn International Assist on or off. By default, International Assist is on.[1]

Set the carrier network to use

- In Settings, tap Carrier, then select the carrier network you prefer. You can only make calls on carriers that have roaming agreements with your iPhone service provider. Any roaming charges may be billed from the selected network. See "Carrier" on page 93 for more information.

Turn Data Roaming on or off

You can avoid roaming charges when you're traveling outside your carrier's network by leaving Data Roaming turned off (Data Roaming is turned off by default).

To enable email, web browsing, and other data services whenever possible, turn Data Roaming on.

- In Settings, choose General > Network and turn Data Roaming on.

Roaming charges may be incurred.

Phone Settings

From the Home screen choose Settings > Phone to adjust Phone settings.
See page 101.

[1] Not available in all areas.

Mail

4

Tap Mail to send and check email.



Mail is a rich HTML email client that retrieves your email in the background while you do other things on iPhone. iPhone works with the most popular email systems—including Yahoo! Mail, Google email, AOL, and .Mac Mail—as well as other industry-standard POP3 and IMAP email systems. Mail lets you send and receive photos and graphics, which are displayed in your message along with the text. You can also get PDFs and other attachments and view them on iPhone.

Setting Up Email Accounts

You must have an email address—which looks like "yourname@example.com"—to use iPhone for email. If you have Internet access, you most likely got an email address from your Internet service provider.

If you chose automatic syncing during setup, your existing email accounts should be already set up and ready to go. Otherwise, you can set iTunes to sync your email accounts, or configure email accounts directly on iPhone.

Syncing Email Accounts to iPhone

You use iTunes to sync your email accounts to iPhone. iTunes supports Mail and Microsoft Entourage on a Mac, and Microsoft Outlook 2003 or 2007 and Outlook Express on a PC. See "Setting Up Syncing" on page 8.

Note: Syncing an email account to iPhone copies the email *account setup,* not the messages themselves. Whether the messages in your inbox appear on both iPhone and your computer depends on the type of email account you have and how it's configured.

If You Don't Have an Email Account

Email accounts are available from most Internet service providers. If you use a Mac, you can get an email address, along with other services, at www.mac.com. Fees may apply.

Free accounts are also available online:

- www.mail.yahoo.com

  Yahoo! provides free "push" email accounts. With a push email account, email is transferred to iPhone as soon as it is received by the mail server.

  To receive push email, you must first set up a Yahoo! account on iPhone.
- www.google.com/mail
- www.aol.com

Setting Up an Email Account on iPhone

You can set up and make changes to an email account directly on iPhone. Your email service provider can provide the account settings you need to enter.

Changes you make on iPhone to an email account synced from your computer are *not* copied to your computer.

For help in setting up email accounts on iPhone, use the online iPhone Mail Setup Assistant at:
www.apple.com/support/iphone/mailhelper

Enter account settings directly on iPhone

1. If this is the first account you're setting up on iPhone, tap Mail. Otherwise, from the Home screen choose Settings > Mail > Accounts > Add Account.
2. Choose your email account type: Y! Mail (for Yahoo!), Google email, .Mac, AOL, or Other.
3. Enter your account information:

   If you're setting up a Yahoo!, Google email, .Mac, or AOL account, enter your name, email address, and password. After that, you're done.

   Otherwise, click Other, select a server type—IMAP, POP, or Exchange—and enter your account information:
   - Your email address
   - The email server type (IMAP, POP, or Exchange)
   - The Internet host name for your incoming mail server (which may look like "mail.example.com")
   - The Internet host name for your outgoing mail server (which may look like "smtp.example.com")

- Your user name and password for incoming and outgoing servers (you may not need to enter a user name and password for an outgoing server)

Note: Exchange email accounts must be configured for IMAP in order to work with iPhone. Contact your IT organization for more information.

Sending Email

You can send an email message to anyone who has an email address. You can send the message to one person or to a group of people.

Compose and send a message

1. Tap ✎.
2. Type one or more names or email addresses in the To or Cc (carbon copy) fields, or tap ⊕ and choose a contact to add the contact's email address.

   As you type an email address, comparable email addresses from your contacts list appear below. Tap one to add it.
3. Type a subject if you like, then type a message.
4. Tap Send.

Send a photo in a message

- From the Home screen choose Photos, then choose a photo. Then tap ⎋ and tap Email Photo.

  If you have more than one email account on iPhone, the photo is sent using the default account (see page 101).

Save a message as a draft so you can work on it later

- Start composing the message and tap Cancel. Then tap Save. You can find the message in the Drafts mailbox, add to it or change it, and then send it.

Reply to a message

- Open a message and tap ↩. Tap Reply to reply to just the person who sent the message. Tap Reply All to reply to the sender and the other recipients. Then add a message of your own if you like, and tap Send.

  When you reply to a message, files or images attached to the initial message aren't sent back.

Forward a message

- Open a message and tap ↩, then tap Forward. Add one or more email addresses and a message of your own if you like, then tap Send.

  When you forward a message, you can include the files or images attached to the original message.

Send a message to a recipient of a message you received

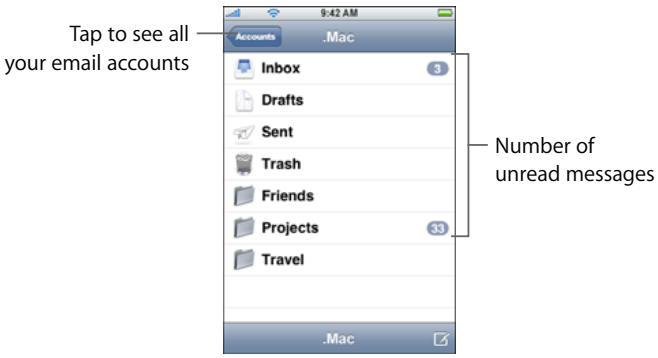
- Open the message and tap the recipient's name or email address, then tap Email.

Checking and Reading Email

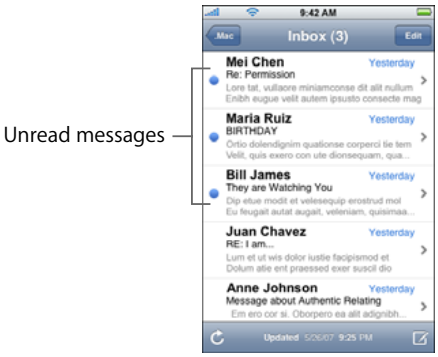
The Mail icon shows the total number of unread messages in all of your inboxes. You may have other unread messages in other mailboxes.



On each account screen, you can see the number of unread messages next to each mailbox.



Tap a mailbox to see its messages. Unread messages have a blue dot next to them.



Read a message

- Tap a mailbox, then tap a message. Within a message, tap ▲ or ▼ to see the next or previous message.

Delete a message

- Open the message and tap 🗑.

You can also delete a message directly from the mailbox message list by swiping left or right over the message title and then tapping Delete.



To show the Delete button, swipe left or right over the message.

Or you can tap Edit and tap ⊖ next to a message.

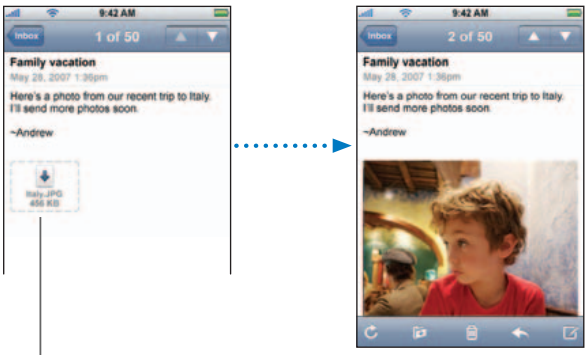
Check for new messages

- Choose a mailbox, or tap ↻ at any time.

Open an attached file

You can view or read some types of files and images attached to messages you receive. For example, if someone sends you a PDF, Microsoft Word, or Microsoft Excel document, you can read it on iPhone.

- Tap the attachment. It downloads to iPhone and then opens.



Tap attachment to download

You can view attachments in both portrait and landscape orientation. If the format of an attached file isn't supported by iPhone, you can see the name of the file but you can't open it. iPhone supports the following email attachment file formats:

- .doc, .docx, .htm, .html, .pdf, .txt, .xls, .xlsx

See all the recipients of a message

- Open the message and tap Details.

  Tap a name or email address to see the recipient's contact information. Then tap a phone number, email address, or text message to contact the person. Tap Hide to hide the recipients.

Add an email recipient to your contacts list

- Tap the message and, if necessary, tap Details to see the recipients. Then tap a name or email address and tap Create New Contact or "Add to Existing Contact."

Mark a message as unread

- Open the message and tap "Mark as Unread."

  A blue dot appears next to the message in the mailbox list until you open it again.

Move a message to another mailbox

- Open the message and tap , then choose a mailbox.

Zoom in to a part of a message

- Double-tap the part you want to zoom in on. Double-tap again to zoom out.

Resize any column of text to fit the screen

- Double-tap the text.

Resize a message manually

- Pinch to zoom in or out.

Follow a link

- Tap the link.

  Text links are typically underlined in blue. Many images also have links. A link can take you to a webpage, open a map, dial a phone number, or open a new preaddressed email message.

  Web, phone, and map links open Safari, Phone, or Maps on iPhone. To return to your email, press the Home button and tap Mail.

Mail Settings

From the Home screen choose Settings > Mail to set up and customize your email accounts for iPhone. See page 99.

Safari

5

Tap Safari to explore the World Wide Web.



Surfing the Web

Safari lets you see webpages just as they were designed to be seen in computer-based browsers. A simple double tap lets you zoom in; rotate iPhone sideways for a wider view. Search using Google or Yahoo!—both are built-in.

Opening and Navigating Webpages

Open a webpage

- Tap the address field at the top of the screen, type the web address—*apple.com* or *www.google.com*, for example—and tap Go. If you don't see the address field, tap the status bar at the top of the screen.

  As you type, any web address in your bookmarks or history list that contains those letters appears below. Tap a web address to visit its webpage.

Erase all the text in the address field

- Tap the address field, then tap ⊗.

Follow a link on a webpage

- Tap the link.

  Text links are typically underlined in blue. Many images also have links. A link can take you to another place on the web, open a map, call a phone number, or open a new preaddressed email.

  Email, phone number, and address links open Mail, Phone, or Maps on iPhone. To return to Safari, press the Home button and tap Safari.

If a link leads to a sound or movie file supported by iPhone, Safari plays the sound or movie. For supported file types, see page 117.

To	Do this
See a link's destination address	Touch and hold the link. The address pops up next to your finger. You can touch and hold an image to check if it has a link.
Stop a webpage from loading if you change your mind	Tap ✕.
Reload a webpage	Tap ↻.
Return to the previous or next webpage	Tap ◀ or ▶ at the bottom of the screen.
Return to any of the last several webpages you've visited	Tap 📖 and tap History. To clear the history list, tap Clear.
Send a webpage address over email	Tap + and tap "Mail Link to this Page." You must have an email account set up on iPhone (see page 46).

Zooming In to See a Webpage More Easily

View a webpage in widescreen orientation

- Rotate iPhone sideways. Safari automatically reorients and expands the page.



Resize any column to fit the screen

- Double-tap the column. The column expands, so you can read it more easily.



Double-tap again to zoom back out.

Zoom in on part of a webpage

- Double-tap the part of the page you want to zoom in on. Double-tap again to zoom out.

Zoom in or out manually

- Pinch to zoom in or out.

Scroll around the page

- Drag up, down, or sideways. When scrolling, you can touch and drag anywhere on the page without activating any links. If you tap a link, you follow the link, but if you drag a link, the page scrolls.

Scroll within a frame on a webpage

- Use two fingers to scroll within a frame on a webpage. Use one finger to scroll the entire webpage.

Jump to the top of a webpage

- Tap the status bar at the top of the iPhone screen.

Searching the Web

By default, Safari searches using Google. You can set it to search using Yahoo!, instead.

Search for anything on the web

1. Tap Q to go to the Google search field.
2. Type a word or phrase that describes what you're looking for, then tap Google.
3. Tap a link in the list of search results to open a webpage.

Set Safari to search using Yahoo!

- From the Home screen choose Settings > Safari > Search Engine, then choose Yahoo!.

Opening Multiple Webpages at Once

You can have more than one webpage open at a time. Some links automatically open a new page instead of replacing the current one.

The number inside the pages icon at the bottom of the screen shows how many pages are open. If there's no number inside, just one page is open.

For example:

= one page is open

= three pages are open

Open a new webpage

- Tap and tap New Page.

See all open pages and go to another page that's open

- Tap and flick left or right. When you get to the page you want, tap it.



Close a webpage

- Tap and tap . You can't close a page if it's the only one that's open.

Typing in Text Fields

Some webpages have forms or text fields you can enter information in.

Bring up the keyboard

- Tap inside a text field.

Move to other text fields on the webpage

- Tap another text field. Or tap the Next or Previous button.

Submit the form

- Once you finish filling out the text fields on the page, tap Go or Search. Most pages also have a link you can tap to submit the form.

Dismiss the keyboard without submitting the form

- Tap Done.

Adding Safari Web Clips to the Home Screen

You can add Web Clips for your favorite websites to the Home screen for fast access. Web Clips appear as icons, which you can arrange however you want on the Home screen. See "Customizing the Home Screen Layout" on page 16.

Add a Web Clip to the Home screen

- Open the page and tap +. Then tap "Add to Home Screen."

  Web Clips remember the displayed portion—the zoom level and location—of webpages. When you open a Web Clip, Safari automatically zooms and scrolls to that portion of the webpage again. The displayed portion is also used to create the icon for the Web Clip on the Home screen.

  Before you add a Web Clip, you can edit its name. If the name is too long (more than about 10 characters), it may appear abbreviated on the Home screen.

Delete a Web Clip from the Home screen

1. Touch and hold any Home screen icon until the icons begin to wiggle.
2. Tap the "x" in the corner of the Web Clip you want to delete.
3. Tap Delete, then press the Home ▢ button to save your arrangement.

Using Bookmarks

You can bookmark webpages, so that you can quickly return to them at any time without having to type the address.

Bookmark a webpage

- Open the page and tap +. Then tap Add Bookmark.

  Before you save a bookmark you can edit its title or choose where to save it. By default, the bookmark is saved in the top-level Bookmarks folder. Tap Bookmarks to choose another folder.

Open a bookmarked webpage

- Tap 🕮, then choose a bookmark or tap a folder to see the bookmarks inside.

Edit a bookmark or bookmark folder

- Tap 📖, choose the folder that has the bookmark or folder you want to edit, then tap Edit. Then do one of the following:
  - *To make a new folder,* tap New Folder.
  - *To delete a bookmark or folder,* tap ⊖ next to the bookmark or folder, then tap Delete.
  - *To reposition a bookmark or folder,* drag ☰ next to the item you want to move.
  - *To edit the name or address of a bookmark or folder, or to put it in a different folder,* tap the bookmark or folder.

  When you finish, tap Done.

Syncing Bookmarks

If you use Safari on a Mac, or Safari or Microsoft Internet Explorer on a PC, you can sync bookmarks on iPhone with bookmarks on your computer.

Sync bookmarks between iPhone and your computer

- Connect iPhone to your computer. If bookmarks are set to be synced automatically (see page 8), the sync begins.

Safari Settings

From the Home screen choose Settings > Safari to adjust security and other settings. See page 106.

iPod

6

Tap iPod to listen to songs, audiobooks, and podcasts, and watch videos.



iPod on iPhone works . . . just like an iPod! iPhone syncs with iTunes on your computer to get the songs, videos, and other content you've collected in your iTunes library.

Syncing iPod Content from Your iTunes Library

If you've turned on syncing, iTunes automatically syncs content from your iTunes library to iPhone each time you connect it to your computer. iTunes lets you sync all of your media, or specific songs, videos, and podcasts. For example, you could set iTunes to sync selected music playlists and the three most recent episodes of your favorite video podcast.

If there are more songs in your iTunes library than can fit on your iPhone, iTunes asks if you want to create a special playlist and set it to sync with iPhone. Then iTunes randomly fills the playlist. You can add or delete songs from the playlist and sync again. If you set iTunes to sync more songs, videos, and other content than can fit on iPhone, you can have iTunes automatically delete random content from iPhone to make room, or you can stop the sync and reconfigure your sync settings.

When you sync podcasts or audiobooks on iPhone with those on your computer, both iTunes and iPhone remember where you last left off and start playing from that position.

For information about using iTunes to get music and other media onto your computer, see "Syncing iPhone with Your Computer" on page 7.

Transferring Purchased Content from iPhone to Another Authorized Computer

Music, video, and podcasts sync from your iTunes library to iPhone, but not from iPhone to your iTunes library. However, content you purchased using the iTunes Wi-Fi Music Store on iPhone is automatically copied to your iTunes library.

You can also transfer content on iPhone that was purchased using iTunes on one computer to an iTunes library on another authorized computer.

Transfer content from iPhone to another computer

- Connect iPhone to the other computer. iTunes asks if you want to transfer purchased content. You can also connect iPhone and, in iTunes, choose File > Transfer Purchases.

  To play the content, the computer must be authorized to play content from your iTunes account.

Supported Music and Video Formats

Only songs and videos encoded in formats that iPhone supports are transferred to iPhone. For information about which formats iPhone supports, see page 117.

Converting Videos for iPhone

You can add videos other than those purchased from iTunes to iPhone, such as videos you create in iMovie on a Macintosh or videos you download from the Internet.

If you try to add a video from iTunes to iPhone and a message says the video can't play on iPhone, you can convert the video.

Convert a video to work with iPhone

- Select the video in your iTunes library and choose Advanced > "Convert Selection for iPod." Then add the converted video to iPhone.

Playing Music

The high-resolution multi-touch display makes listening to songs on iPhone as much a visual experience as a musical one. You can scroll through your playlists, or use Cover Flow to browse through your album art.

WARNING: For important information about avoiding hearing loss, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Playing Songs, Audiobooks, and Podcasts

Browse your collection

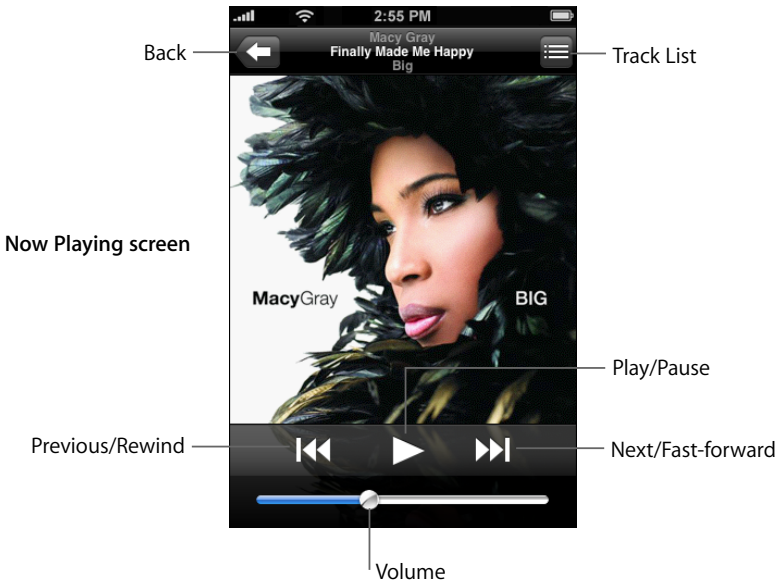
- Tap Playlists, Artists, or Songs. Tap More to browse Albums, Audiobooks, Compilations, Composers, Genres, or Podcasts.

Play a song

- Tap the song.

Controlling Song Playback

When you play a song, the Now Playing screen appears:



To	Do this
Pause a song	Tap ⏸ or click the mic button on the iPhone headset.
Resume playback	Tap ▶ or click the mic button on the iPhone headset.
Raise or lower the volume	Drag the volume slider or use the buttons on the side of iPhone.
Restart a song or a chapter in an audiobook or podcast	Tap ⏮.
Skip to the next or previous song or chapter in an audiobook or podcast	Tap ⏮ twice to skip to the previous song. Tap ⏭ to skip to the next song, or click the mic button on the iPhone headset twice quickly.
Rewind or fast-forward	Touch and hold ⏮ or ⏭.
Return to the iPod browse lists	Tap ↩. Or swipe to the right over the album cover.
Return to the Now Playing screen	Tap Now Playing.
See the tracks in your collection from the current album	Tap ☰. Tap any track to play it.
Display a song's lyrics	Tap the album cover when playing a song. (Lyrics appear only if you've added them to the song using the song's Info window in iTunes.)

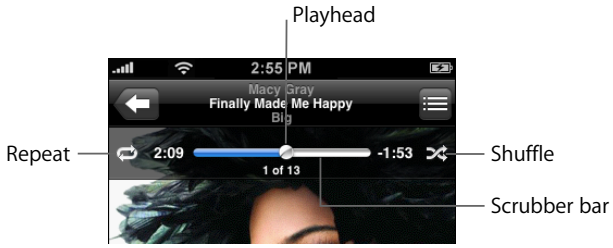
Displaying playback controls at any time

You can display playback controls at any time when you're listening to music and using another application—or even when iPhone is locked—by double-clicking the Home button (see "Home Button" on page 95). If iPhone is active, the playback controls appear over the application you're using. After using the controls, you can close them or tap Music to go to the Now Playing screen. If iPhone is locked, the controls appear onscreen, then disappear automatically after you finish using them.

Additional Controls

- From the Now Playing screen tap the album cover.

  The repeat and shuffle controls and the scrubber bar appear. You can see time elapsed, time remaining, and the song number. The song's lyrics appear also, if you've added them to the song in iTunes.



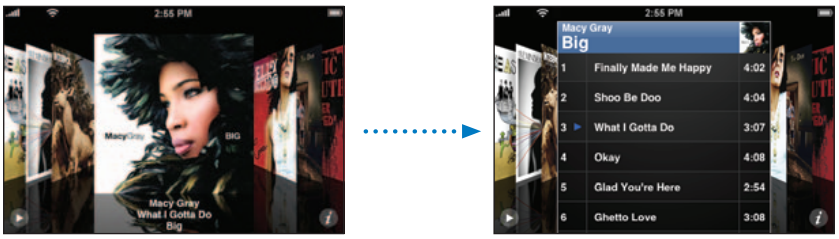
To	Do this
Set iPhone to repeat songs	Tap . Tap again to set iPhone to repeat only the current song. = iPhone is set to repeat all songs in the current album or list. = iPhone is set to repeat the current song over and over. = iPhone is not set to repeat songs.
Skip to any point in a song	Drag the playhead along the scrubber bar.
Set iPhone to shuffle songs	Tap . Tap again to set iPhone to play songs in order. = iPhone is set to shuffle songs. = iPhone is set to play songs in order.
Shuffle the tracks in any playlist, album, or other list of songs	Tap Shuffle at the top of the list. For example, to shuffle all the songs on iPhone, choose Songs > Shuffle. Whether or not iPhone is set to shuffle, if you tap Shuffle at the top of a list of songs, iPhone plays the songs from that list in random order.

Browsing Album Covers in Cover Flow

When you're browsing music, you can rotate iPhone sideways to see your iTunes content in Cover Flow and browse your music by album artwork.



To	Do this
See Cover Flow	Rotate iPhone sideways.
Browse album covers	Drag or flick left or right.
See the tracks on an album	Tap a cover or ⓘ.

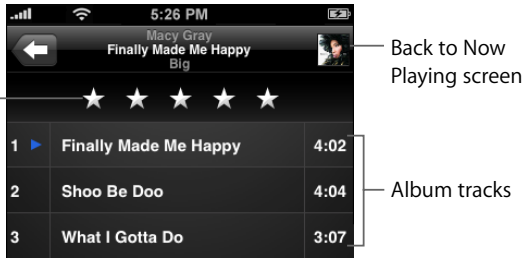


To	Do this
Play any track	Tap the track. Drag up or down to scroll through the tracks.
Return to the cover	Tap the title bar. Or tap ⓘ again.
Play or pause the current song	Tap ▶ or ❚❚. Or, if you're using the included stereo headset, click the mic button.

Viewing All Tracks on an Album

See all the tracks on the album that contains the current song

- From the Now Playing screen tap . Tap a track to play it. Tap the album cover thumbnail to return to the Now Playing screen.



In track list view, you can assign ratings to songs. You can use ratings to create smart playlists in iTunes that dynamically update to show, for example, your highest rated songs.

Rate a song

- Drag your thumb across the ratings bar to give the song zero to five stars.

Making Playlists Directly on iPhone

Make an on-the-go playlist

1. Tap Playlists and tap On-The-Go.
2. Browse for songs using the buttons at the bottom of the screen. Tap any song or video to add it to the playlist. Tap Add All Songs at the top of any list of songs to add all the songs in the list.
3. When you finish, tap Done.

When you make an on-the-go playlist and then sync iPhone to your computer, the playlist is saved on iPhone and in your iTunes library, then deleted from iPhone. The first is saved as "On-The-Go 1," the second as "On-The-Go 2," and so on. To get a playlist back on iPhone, select iPhone in the iTunes source list, click the Music tab, and set the playlist to sync.

Edit an on-the-go playlist

- Tap Playlists, tap On-The-Go, tap Edit, then do one of the following:
  - *To move a song higher or lower in the list,* drag next to the song.
  - *To delete a song from the playlist,* tap next to a song, then tap Delete. Deleting a song from the on-the-go playlist doesn't delete it from iPhone.
  - *To clear the entire playlist,* tap Clear Playlist.
  - *To add more songs,* tap +.

Watching Videos

With iPhone, you can view video content such as movies, music videos, and video podcasts. Videos play in widescreen to take full advantage of the display. If a video contains chapters, you can skip to the next or previous chapter, or bring up a list and start playing at any chapter that you choose. If a video provides alternate language features, you can choose an audio language or display subtitles.

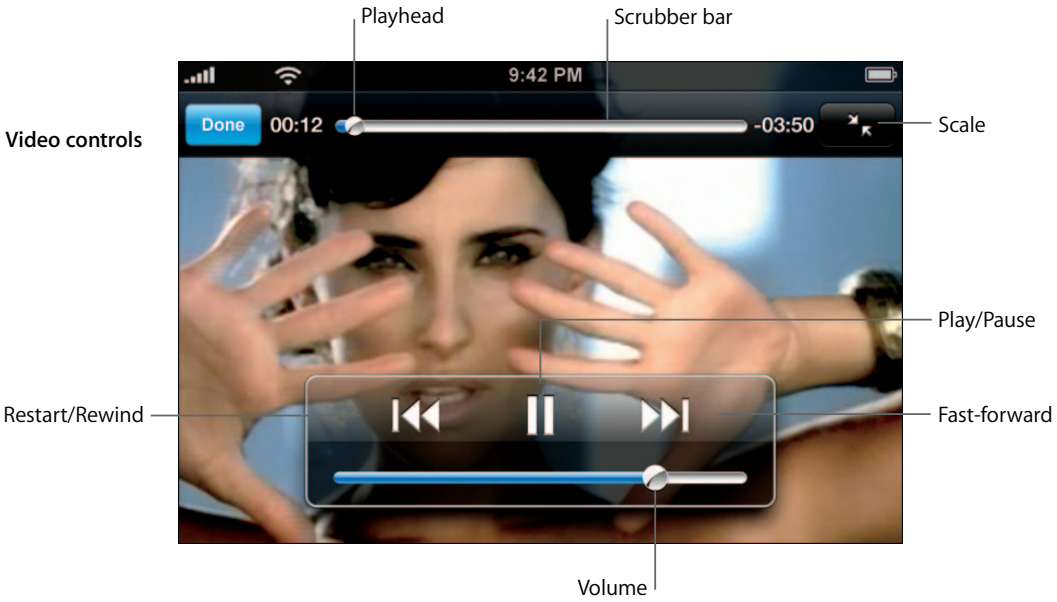
Playing Videos on iPhone

Play a video

- Tap Videos and tap the video.

Display playback controls

- Tap the screen to show the controls. Tap again to hide them.



Say It Right by Nelly Furtado is available on iTunes in select countries.

To	Do this
Play or pause a video	Tap ▶ or ⏸.
Raise or lower the volume	Drag the volume slider.
Start a video over	Drag the playhead on the scrubber bar all the way to the left, or tap ⏮ if the video doesn't contain chapters.
Skip to the previous or next chapter (when available)	Tap ⏮ to skip to the previous chapter. Tap ⏭ to skip to the next chapter.
Start playing at a specific chapter (when available)	Tap ☰, then choose a chapter from the list.
Rewind or fast-forward	Touch and hold ⏮ or ⏭.
Skip to any point in a video	Drag the playhead along the scrubber bar.

To	Do this
Stop watching a video before it finishes playing	Tap Done. Or press the Home button.
Scale a video to fill the screen or fit to the screen	Tap to make the video fill the screen. Tap to make it fit the screen.You can also double-tap the video to toggle between fitting and filling the screen. When you scale a video to fill the screen, the sides or top may be cropped from view. When you scale it to fit the screen, you may see black bars on the sides or above and below the video.
Select an alternate audio language (when available)	Tap , and choose a language from the Audio list.
Show or hide subtitles (when available)	Tap , and choose a language, or Off, from the Subtitles list.
Play the sound from a music video or video podcast without showing the video	Browse for the music video or podcast through lists other than the Videos list. To play the video for a music video or podcast, you must browse for it through the Videos list.

Watching Rented Movies

You can rent movies from the iTunes Store and watch them on iPhone. You use iTunes to rent the movies and transfer them to iPhone. (Rented movies are not available in all regions. iTunes version 7.6 or later is required.)

Rented movies are playable only for a limited time. The time remaining in which you must finish watching a rented movie appears near its title. Movies are automatically deleted when they expire. Check the iTunes Store for the expiration times before renting a movie.

Transfer rented movies to iPhone

- Connect iPhone to your computer. Then select iPhone in the iTunes window (below Devices, on the left), click Video, and select the rented movies you want to transfer. Your computer must be connected to the Internet.

  Note: Once a rented movie is transferred to iPhone, you can't transfer it back to your computer to watch it there.

View a rented movie

- On iPhone, choose iPod > Videos and select a movie.

Watching Videos on a TV Connected to iPhone

You can connect iPhone to your TV and watch your videos on the larger screen. Use the Apple Component AV Cable, Apple Composite AV Cable, or other iPhone compatible cable. You can also use these cables with the Apple Universal Dock to connect iPhone to your TV. (The Apple Universal Dock includes a remote, which allows you to control playback from a distance.) Apple cables and docks are available for purchase separately at www.apple.com/ipodstore.

Deleting Videos from iPhone

You can delete videos directly from iPhone to save space.

Delete a video

- In the videos list, swipe left or right over the video, then tap Delete.

  When you delete a video (not including rented movies) from iPhone, it isn't deleted from your iTunes library and you can sync the video back to iPhone later. If you don't want to sync the video back to iPhone, set iTunes to not sync the video (see page 8).

  If you delete a rented movie from iPhone, it is deleted permanently and cannot be transferred back to your computer.

Setting a Sleep Timer

You can set iPhone to stop playing music or videos after a period of time.

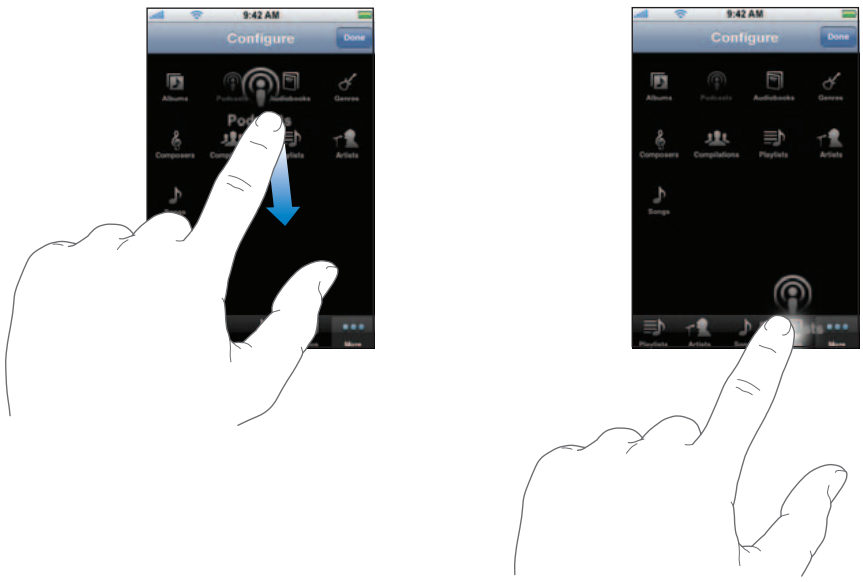
- From the Home screen choose Clock > Timer, then flick to set the number of hours and minutes. Tap When Timer Ends and choose Sleep iPod, tap Set, then tap Start to start the timer.

  When the timer ends, iPhone stops playing music or video, closes any other open application, and then locks itself.

Changing the Browse Buttons at the Bottom of the Screen

You can replace the Playlists, Artist, Songs, or Videos browse buttons at the bottom of the screen with ones you use more frequently. For example, if you listen to podcasts a lot and don't watch many videos, you can replace the Videos button with Podcasts.

- Tap More and tap Edit, then drag a button to the bottom of the screen, over the button you want to replace.



You can drag the buttons at the bottom of the screen left or right to rearrange them. When you finish, tap Done.

Tap More at any time to access the buttons you replaced.

iPod Settings

From the Home screen choose Settings > iPod to adjust settings for music and video playback on your iPod. See page 104.

Applications 7

Text

Sending and Receiving Text Messages

You can send and receive text messages anytime you're in range of the cell network. If you can make a call, you can send a text message. Depending on your phone plan, you may be charged for text messages you send or receive.

You can send text messages to anyone with an SMS-capable phone. The recipient is notified of the message and can read it and reply at any time. You can also send text messages to multiple people at the same time.

> *WARNING:* For important information about driving safely, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Send a new text message

- Tap ✎, then enter a phone number or name, or tap ⊕ and choose a contact from your contacts list. Type a message and tap Send.

The Text icon on the Home screen shows the total number of unread text messages you have.



Number of unread messages

As you text back and forth with a person over time, your conversation is saved in the Text Messages list. Conversations that contain unread messages have a blue dot next to them. Tap a name in the list to see or add to that conversation.



Send a text message to multiple people

- Tap ✎, then add people one at a time. If you enter a phone number manually (instead of selecting it from Contacts), you must tap Return before entering another entry.

  Note: Replies from any of the recipients are sent only to you; the other people you texted won't see anyone else's reply.

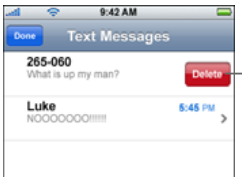
Reply to a text message or send one to someone (or a set of people) you've texted before

- Tap a name or phone number in the Text Messages list, then type a message and tap Send.

Delete a conversation from the Text Messages list

- Tap Edit, then tap ⊖ next to a conversation and tap Delete.

  You can also delete a conversation by swiping left or right over a conversation and tapping Delete.



Send a text message to someone in your favorites list or to a recent caller

- From the Home screen tap Phone, then tap Favorites or Recents. Tap ⓘ next to a name or number and tap Text Message.

Call or email someone you've texted

- Tap a message in the Text Messages list. Scroll to the top of the conversation and tap Call to call the person. Tap Contact Info, then tap an email address to send an email. The person's email address must already be in your contacts list.

Follow a link in a message

- Tap the link.

  Tap a web address to open a webpage in Safari, a phone number to make a call, an email address to open a preaddressed email in Mail, or a street address to see a map in Maps. To return to your text messages, press the Home button and tap Text.

Add information in a link to a contact, or see the contact information of the person associated with the link

- Tap next to the message.

Add someone you've texted to your contacts list

- Tap a phone number in the Text Messages list, then tap "Add to Contacts."

Set whether iPhone makes an alert sound when you get a text message

- From the Home screen choose Settings > Sounds, then turn New Text Message on or off.

  If the Ring/Silent switch is off, iPhone won't make alert sounds even if they're turned on in Settings.

Calendar



Adding Calendar Events to iPhone

If you've set iTunes to sync calendars, you can enter appointments and events on your computer and sync them with iPhone. You can also enter appointments and events directly on iPhone.

Entering Calendar Events on Your Computer

You can enter appointments and events in iCal and Microsoft Entourage on a Mac, or in Microsoft Outlook 2003 or 2007 on a PC.

Syncing Calendars

Sync calendars between iPhone and your computer

- Connect iPhone to your computer. If iPhone is set to sync calendars automatically (see page 8), the update begins.

Adding and Editing Calendar Events Directly on iPhone

Add an event

- Tap + and enter event information. Then tap Done.

  You can enter any of the following:

  - Title
  - Location
  - Starting and ending times (or turn on All-day if it's an all-day event)
  - Repeat times—none, or every day, week, two weeks, month, or year
  - Alert time—from five minutes to two days before the event

    If you set an alert time, iPhone gives you the option to set a second alert time, in case you miss the first one. When the alert goes off, iPhone plays a sound (if the Ring/Silent switch is set to ring) and displays a reminder message.

    Note: Some carriers do not support network time in all locations. If you're traveling, iPhone may not sound your alert at the correct local time. To manually set iPhone to the correct time, see page 96.

  - Notes

Set iPhone to make a sound when you get a calendar alert

- From the Home screen choose Settings > Sounds, then turn Calendar Alerts on.

  If Calendar Alerts is off, iPhone displays a message but makes no sound when you get a calendar alert.

Edit an event

- Tap the event and tap Edit.

Delete an event

- Tap the event, tap Edit, then scroll down and tap Delete Event.

Viewing Your Calendar

View your calendar

- Tap Calendar.

Switch views

- Tap List, Day, or Month.

  - *List view:* All your appointments and events appear in an easy-to-scan list. Scroll up or down to see previous or upcoming days.
  - *Day* view*:* Scroll up or down to see hours earlier or later in the day. Tap ◀ or ▶ to see the previous or next day.

- *Month view:* Days with events show a dot below the date. Tap a day to see its events in a list below the calendar. Tap ◀ or ▶ to see the previous or next month.



See today's events

- Tap Today.

See the details of an event

- Tap the event.

Set iPhone to adjust event times for a selected time zone

- From the Home screen tap Settings > General > Date & Time, then turn Time Zone Support on. Then tap Time Zone and search for a major city in the time zone you want.

  When Time Zone Support is on, Calendar displays event dates and times in the time zone set for your calendars. When Time Zone Support is off, Calendar displays events in the time zone of your current location.

Photos and Camera



iPhone lets you carry your photos with you, so you can share them with your family, friends, and associates on the high-resolution display. You can sync photos from your computer to iPhone and take photos with the built-in 2-megapixel camera.

Syncing Photos from Your Computer

If you've set iTunes to sync photos automatically, iTunes copies or updates your photo library (or selected albums) from your computer to iPhone whenever you connect iPhone to your computer. iTunes can sync your photos from the following applications:

- *On a Mac:* iPhoto 4.0.3 or later
- *On a PC:* Adobe Photoshop Album 2.0 or later or Adobe Photoshop Elements 3.0 or later

For information about syncing iPhone with photos and other information on your computer, see "Syncing iPhone with Your Computer" on page 7.

Taking Pictures

To take a picture, just point and tap. The camera is on the back of iPhone so you can see the image you want on the display.

You can email pictures that you've taken, use them as wallpaper, assign them to contacts, and upload them to your computer.

Take a picture

- Tap Camera, then aim iPhone and tap .

  If you take a picture with iPhone rotated sideways, it is automatically saved in landscape orientation.

Import photos from iPhone to your computer

- Connect iPhone to your computer. Then:
  - *On a Mac:* In iPhoto, click Import. iPhoto should open automatically.
  - *On a PC:* Follow the instructions that came with your camera or photo application.

Viewing Photos

You can view the roll of pictures you've taken with the built-in camera in either Camera or Photos. Photos synced from your computer can be viewed in Photos.

See the pictures you've taken

- Tap Camera, then tap . Or from the Home screen choose Photos > Camera Roll.

Delete a picture

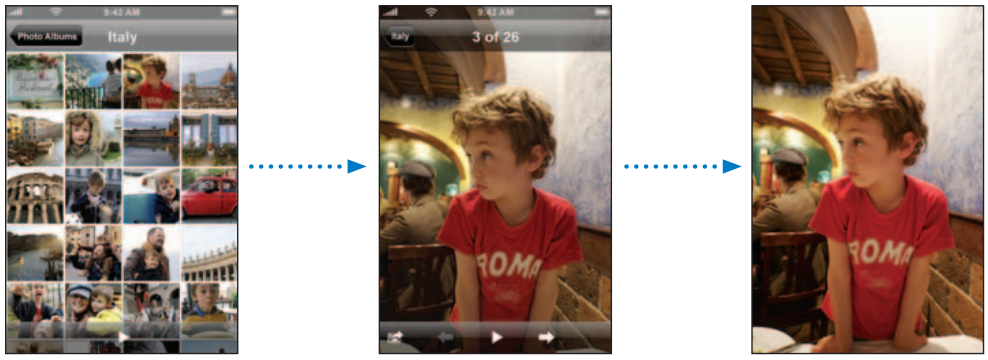
- Tap a picture in the Camera Roll album, then tap 🗑.

View photos from your computer

- From the Home screen choose Photos.
  - Tap Photo Library to see all your photos.
  - Tap any photo album, or Camera Roll to see pictures you've taken with iPhone.

See a photo at full screen

- Tap a thumbnail photo to see it at full screen. Tap the full screen photo to hide the controls.



Tap the screen again to show the controls.

See the next or previous photo

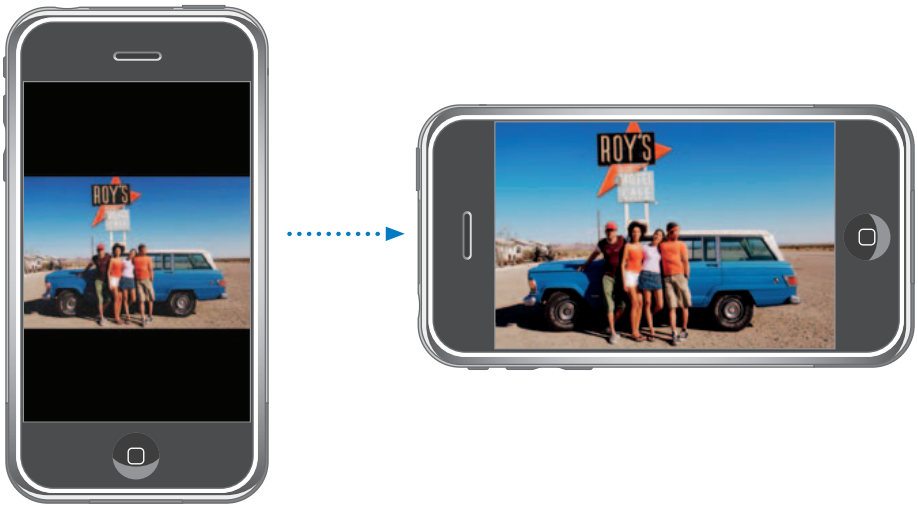
- Flick left or right. Or tap the screen to show the controls, then tap ➡ or ⬅.



Changing the Size or Orientation

See a photo in landscape orientation

- Rotate iPhone sideways. The photo automatically reorients and, if it's in landscape format, expands to fit the screen.



Zoom in on part of a photo

- Double-tap the part you want to zoom in on. Double-tap again to zoom out.

Zoom in or out

- Pinch to zoom in or out.



Pan around a photo

- Drag the photo.

Viewing Slideshows

View photos in a slideshow

- Choose an album and tap a photo, then tap ▶. If you don't see ▶, tap the photo to show the controls.

Stop a slideshow

- Tap the screen.

Set slideshow settings

1. From the Home screen choose Settings > Photos.
2. To set:
   - *The length of time each slide is shown,* tap Play Each Slide For and choose a time.
   - *Transition effects when moving from photo to photo,* tap Transition and choose a transition type.
   - *Whether slideshows repeat*, turn Repeat on or off.
   - *Whether photos are shown in random order,* turn Shuffle on or off.

Play music during a slideshow

- From the Home screen choose iPod, and play a song. Then choose Photos from the Home screen and start a slideshow.

Using a Photo as Wallpaper

You see a wallpaper background picture as you unlock iPhone or when you're on a call with someone you don't have a high-resolution photo for.

Set a photo as wallpaper

1. Choose any photo and tap , then tap Use As Wallpaper.
2. Drag the photo to pan, or pinch the photo to zoom in or out, until it looks the way you want.
3. Tap Set Wallpaper.

You can also choose from several wallpaper pictures included with iPhone by choosing Settings > Wallpaper > Wallpaper from the Home screen.

Emailing a Photo

Email a photo

- Choose any photo and tap , then tap Email Photo.

iPhone must be set up for email (see "Setting Up Email Accounts" on page 46).

Sending a Photo to a Web Gallery

If you have a .Mac account, you can send photos directly from iPhone to a Web Gallery created with iPhoto '08. You can also send photos to someone else's .Mac Web Gallery if that person has enabled email contributions.

To send photos to a Web Gallery, you need to do the following:

- Set up your .Mac mail account on iPhone
- Publish an iPhoto '08 album to a .Mac Web Gallery
- Select "Allow photo uploading by email" in the Publish Settings pane of iPhoto '08

For more information about creating a Web Gallery in iPhoto '08, open iPhoto '08, choose Help, and search for Web Gallery.

Send a photo to your web gallery

Choose any photo and tap , then tap Send to Web Gallery.

Assigning a Photo to a Contact

You can assign a photo to a contact. When that person calls you, iPhone displays the photo you assigned.

Assign a photo to a contact

1. Choose Camera from the Home screen and take someone's picture. Or choose any photo already on iPhone and tap .
2. Tap Assign to Contact and choose a contact.
3. Drag the photo to pan, or pinch the photo to zoom in or out, until it looks the way you want.
4. Tap Set Photo.

You can also assign a photo to a contact in Contacts by tapping edit and then tapping the picture icon.

YouTube



Finding and Viewing Videos

YouTube features short videos submitted by people from around the world (not available in all languages, may not be available in all locations).

Browse videos

- Tap Featured, Most Viewed, or Bookmarks. Or tap More to browse by Most Recent, Top Rated, or History.
  - *Featured:* Videos reviewed and featured by YouTube staff.
  - *Most Viewed:* Videos most seen by YouTube viewers. Tap All for all-time most viewed videos, or Today or This Week for most-viewed videos of the day or week.
  - *Bookmarks:* Videos you've bookmarked.
  - *Most Recent:* Videos most recently submitted to YouTube.
  - *Top Rated:* Videos most highly rated by YouTube viewers. To rate videos, go to www.youtube.com.
  - *History:* Videos you've viewed most recently.

Search for a video

1. Tap Search, then tap the YouTube search field.
2. Type a word or phrase that describes what you're looking for, then tap Search. YouTube shows results based on video titles, descriptions, tags, and user names.

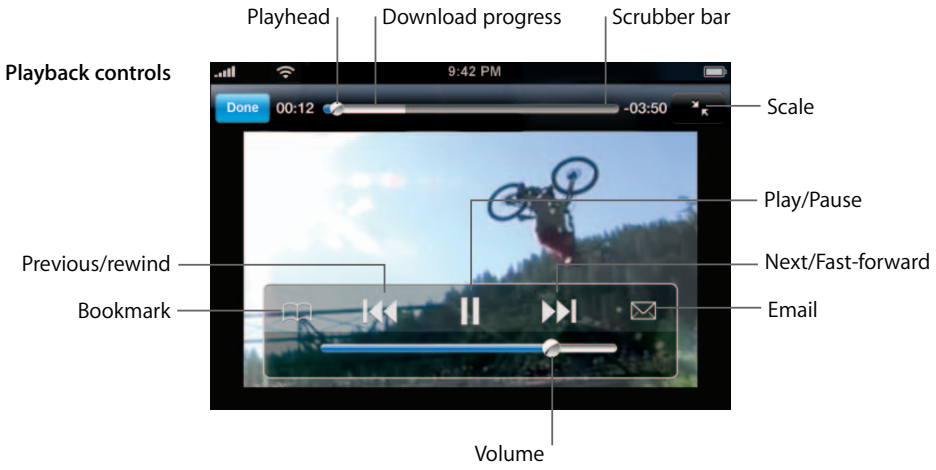
Play a video

- Tap the video. The video begins to download to iPhone and a progress bar shows progress. When enough of the video has downloaded, it begins to play. You can also tap ▶ to start the video.

Controlling Video Playback

When a video starts playing, the controls disappear so they don't obscure the video.

- Tap the screen to show or hide the controls.



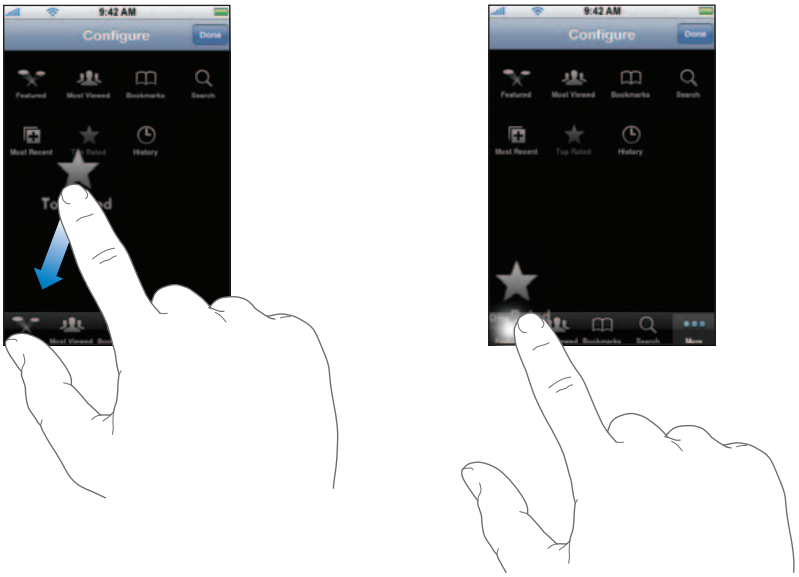
To	Do this
Play or pause a video	Tap ▶ or ❚❚.
Raise or lower the volume	Drag the volume slider. Or use the volume buttons on the side of iPhone.
Start a video over	Tap ⏮.
Skip to the next or previous video	Tap ⏮ twice to skip to the previous video. Tap ⏭ to skip to the next video.
Rewind or fast-forward	Touch and hold ⏮ or ⏭.
Skip to any point in a video	Drag the playhead along the scrubber bar.
Stop watching a video before it finishes playing	Tap Done. Or press the Home ▢ button.
Toggle between scaling a video to fill the screen or fit to the screen.	Double-tap the video. You can also tap ⤢ to make the video fill the screen, or tap ⤡ to make it fit the screen.
Bookmark a video	Tap ⓘ next to a video and tap Bookmark. Or start playing a video and tap 📖. Tap Bookmarks to see your bookmarked videos.

To	Do this
Email a link to the video	Tap next to a video and tap Share. Or start playing a video and tap .
See details about a video and browse related videos	Play the whole video, tap Done while a video is playing, or tap next to any video in a list. iPhone shows the video's rating, description, date added, and other information. You also see a list of related videos that you can tap to view.

Changing the Browse Buttons at the Bottom of the Screen

You can replace the Featured, Most Viewed, Bookmarks, and Search buttons at the bottom of the screen with ones you use more frequently. For example, if you watch top rated videos often but don't watch many featured videos, you could replace the Featured button with Top Rated.

- Tap More and tap Edit, then drag a button to the bottom of the screen, over the button you want to replace.



You can drag the buttons at the bottom of the screen left or right to rearrange them. When you finish, tap Done.

When you're browsing for videos, tap More to access the browse buttons that aren't visible.

Add Your Own Videos to YouTube

For information about adding your own videos to YouTube, go to www.youtube.com and tap Help.

Stocks



Viewing Stock Quotes

When you tap Stocks from the Home screen, the stock reader shows updated quotes for all your stocks. Quotes are updated every time you open Stocks while connected to the Internet. Quotes may be delayed by up to 20 minutes.

Add a stock, index, or fund to the stock reader

1. Tap ⓘ, then tap +.
2. Enter a symbol, company name, index, or fund name, then tap Search.
3. Choose an item in the search list.

Delete a stock

- Tap ⓘ and tap ⊖ next to a stock, then tap Delete.

Reorder stocks

- Tap ⓘ. Then drag ☰ next to a stock to a new place in the list.

Switch between showing percentage change and change in monetary value

- Tap the number showing the change. Tap it again to switch back.

  You can also tap ⓘ and tap % or Numbers.

Show a stock's progress over a longer or shorter time period

- Tap a stock symbol, then tap 1d, 1w, 1m, 3m, 6m, 1y, or 2y. The chart adjusts to show progress over one day, one week, one, three, or six months, or one or two years.

See information about a stock at Yahoo.com

- Tap Y!.

  You can see news, information, websites related to the stock, and more.

Maps

Maps provides street maps, satellite photos, and hybrid views of locations in many of the world's countries. You can get detailed driving directions and, in some areas, traffic information. Also in some areas, you can find your current approximate location, and use that location to get driving directions to or from another place.[1]

> *WARNING:* For important information about driving and navigating safely, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Finding and Viewing Locations

Find a location and see a map

- Tap the search field to bring up the keyboard, then type an address, intersection, general area, name of a landmark, bookmark name, name of someone in your contacts list, or zip code. Then tap Search.

  A pin marks the location on the map. Tap the pin to see the name or description of the location.



Tap ⓘ to get information about the location, get directions, or add the location to your bookmarks or contacts list

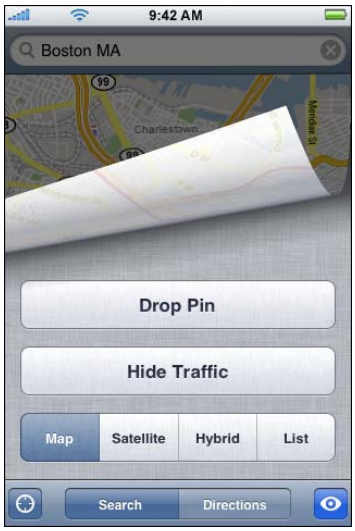
Find your current approximate location on a map

- Tap ◎. A circle appears at your current approximate location. Your approximate location is determined using information from cellular network data and some local Wi-Fi networks (if you have Wi-Fi turned on). The more accurate the available information, the smaller the circle on the map. This feature is not available in all areas.

[1] Maps, directions, and location information depend on data collected and services provided by third parties. These data services are subject to change and may not be available in all geographic areas, resulting in maps, directions, or location information that may be unavailable, inaccurate, or incomplete. For more information, see www.apple.com/iphone. In order to provide your location, data is collected in a form that does not personally identify you. If you don't want such data collected, don't use the feature. Not using this feature will not impact the functionality of your iPhone.

Use the dropped pin

- Tap , then tap Drop Pin. A pin drops down on the map, which you can then drag to any location you choose.



To quickly move the pin to the area currently displayed, tap , then tap Replace Pin.

Zoom in to a part of a map

- Pinch the map with two fingers. Or double-tap the part you want to zoom in on. Double-tap again to zoom in even closer.

Zoom out

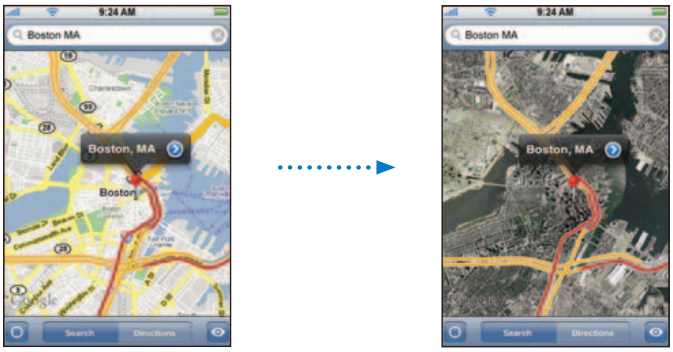
- Pinch the map. Or tap the map with two fingers. Tap with two fingers again to zoom out further.

Pan or scroll to another part of the map

- Drag up, down, left, or right.

See a satellite or hybrid view

- Tap , then tap Satellite or Hybrid to see just a satellite view or a combined street map and satellite view.



Tap Map to return to map view.

See the location of someone's address in your contacts list

- Tap in the search field, then tap Contacts and choose a contact.

To locate an address in this way, the contact must include at least one address. If the contact has more than one address, you must choose the one you want to locate. You can also find the location of an address by tapping the address directly in Contacts.

Bookmark a location

- Find a location, tap the pin that points to it, tap next to the name or description, then tap "Add to Bookmarks."

See a bookmarked location or recently viewed location

- Tap in the search field, then tap Bookmarks or Recents.

Add a location to your contacts list

- Find a location, tap the pin that points to it, tap next to the name or description, then tap Create New Contact or "Add to Existing Contact."

Getting Directions

Get directions

1. Tap Directions.
2. Enter starting and ending locations in the Start and End fields. By default, iPhone starts with your current approximate location (when available). Tap in either field and choose a location in Bookmarks (including your current approximate location and the dropped pin, when available), Recents, or Contacts.

   For example, if a friend's address is in your contacts list, you can tap Contacts and tap your friend's name instead of having to type the address.

   To reverse the directions, tap .
3. Tap Route, then do one of the following:
   - *To view directions one step at a time,* tap Start, then tap to see the next leg of the trip. Tap to go back.
   - *To view all the directions in a list,* tap , then tap List. Tap any item in the list to see a map showing that leg of the trip.

The approximate driving time appears at the top of the screen. If traffic data is available, the driving time is adjusted accordingly.

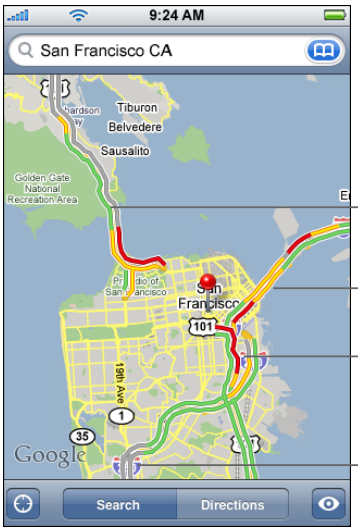
You can also get directions by finding a location on the map, tapping the pin that points to it, tapping next to the name, then tapping Directions To Here or Directions From Here.

Show or hide traffic conditions

When available, you can show highway traffic conditions on the map.

- Tap , then tap Show Traffic or Hide Traffic.

Highways are color-coded according to the flow of traffic:



Traffic

Green = more than 50 miles per hour

Yellow = 25–50 miles per hour

Red = less than 25 miles per hour

Gray = No data currently available

If you tap Show Traffic and don't see color-coded highways, you may need to zoom out to a level where you can see major roads, or traffic conditions may not be available for that area.

Switch start and end points, for reverse directions

- Tap .

If you don't see , tap List, then tap Edit.

See recently viewed directions

- Tap in the search field, then tap Recents.

Finding and Contacting Businesses

Find businesses in an area

1. Find a location—for example, a city and state or country, or a street address—or scroll to a location on a map.
2. Type the kind of business in the text field and tap Search.

   Pins appears for matching locations. For example, if you locate your city and then type "movies" and tap Search, pins mark movie theatres in your city.

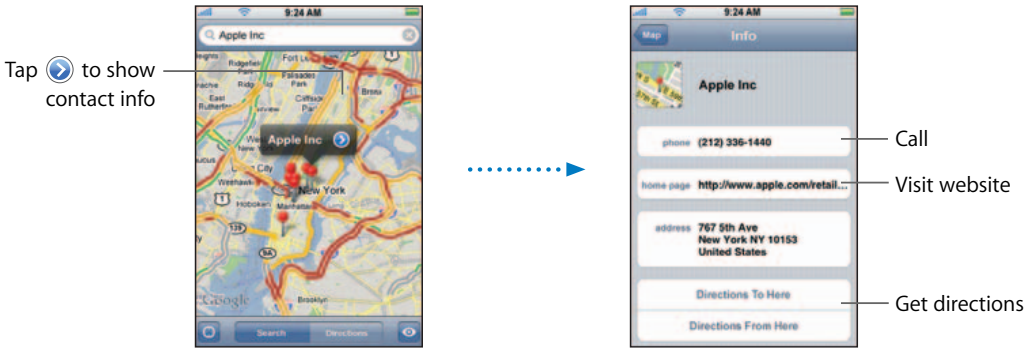
   Tap the pin that marks a business to see its name or description.

Find businesses without finding the location first

- Type things like:
  - restaurants san francisco ca
  - apple inc new york

Contact a business or get directions

- Tap the pin that marks a business, then tap next to the name.



From there, you can do the following:

- Depending on what information is stored for that business, you can tap a phone number to call, email address to email, or web address to visit a website.
- For directions, tap Directions To Here or Directions From Here.
- To add the business to your contacts list, scroll down and tap Create New Contact or "Add to Existing Contact."

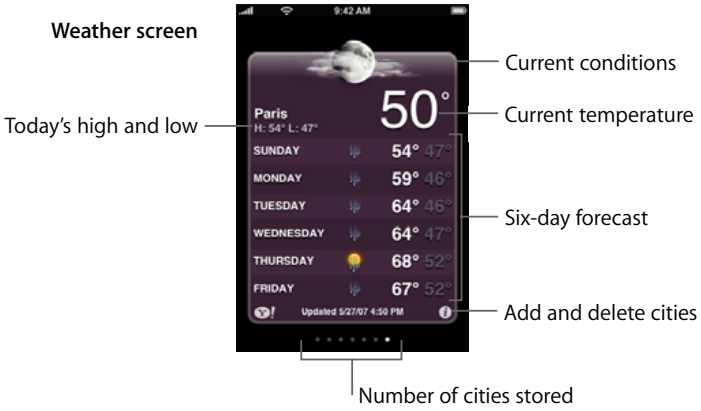
See a list of the businesses found in the search

From the Map screen, tap List. Tap a business to see its location on the map. Or tap next to a business to see its information.

Weather

Viewing Weather Summaries

Tap Weather from the Home screen to see the current temperature and a six-day forecast for a city of your choice. You can store multiple cities, for quick access.



If the weather board is light blue, it's daytime in that city—between 6:00 a.m. and 6:00 p.m. If the board is dark purple, it's nighttime—between 6:00 p.m. and 6:00 a.m.

Switch to another city

- Flick left or right. The number of dots below the weather board shows how many cities are stored.

Reorder cities

- Tap ⓘ. Then drag ☰ next to a city to a new place in the list.

Add a city

1. Tap ⓘ, then tap +.
2. Enter a city name or zip code, then tap Search.
3. Choose a city in the search list.

Delete a city

- Tap ⓘ and tap ⊖ next to a city, then tap Delete.

Set whether iPhone shows the temperature in Fahrenheit or Celsius

- Tap ⓘ, then tap ºF or ºC.

See information about a city at Yahoo.com

- Tap Y!.

  You can see a more detailed weather report, news and websites related to the city, and more.

Clock



Adding and Viewing Clocks for Locations Around the World

You can add multiple clocks to show the time in major cities and time zones around the world.

View clocks

- Tap World Clock.

  If the clock face is white, it's daytime in that city. If it's black, it's nighttime. If you have more than four clocks, scroll to see them all.

Add a clock

- Tap World Clock, then tap + and type the name of a city. Cities matching what you've typed appear below. Tap a city to add a clock for that city.

  If you don't see the city you're looking for, try a major city in the same time zone.

Delete a clock

- Tap World Clock and tap Edit. Then tap ⊖ next to a clock and tap Delete.

Rearrange clocks

- Tap World Clock and tap Edit. Then drag ☰ next to a clock to a new place in the list.

Setting Alarm Clocks

You can set multiple alarms. Set each alarm to repeat on days you specify, or to sound only once.

Set an alarm

- Tap Alarm and tap +, then adjust any of the following settings:
  - *To set the alarm to repeat on certain days,* tap Repeat and choose the days.
  - *To choose the ringtone that sounds when the alarm goes off,* tap Sound.
  - *To set whether the alarm gives you the option to hit snooze,* turn Snooze on or off. If Snooze is on and you tap Snooze when the alarm sounds, the alarm stops and then sounds again in ten minutes.

- *To give the alarm a description,* tap Label. iPhone displays the label when the alarm sounds.

If at least one alarm is set and turned on, appears in the iPhone status bar at the top of the screen.

Note: Some carriers do not support network time in all locations. If you're traveling, iPhone may not sound your alert at the correct local time. See "Set the time manually" on page 96.

Turn an alarm on or off

- Tap Alarm and turn any alarm on or off. If an alarm is turned off, it won 't sound again unless you turn it back on.

  If an alarm is set to sound only once, it turns off automatically after it sounds. You can turn that alarm on again to reenable it.

Change settings for an alarm

- Tap Alarm and tap Edit, then tap next to the alarm you want to change.

Delete an alarm

- Tap Alarm and tap Edit, then tap next to an alarm and tap Delete.

Using the Stopwatch

Use the stopwatch to measure time

- Tap Stopwatch. Tap Start to start the stopwatch. To record lap times, tap Lap after each lap. Tap Stop to pause the stopwatch. Then tap Start to resume, or tap Reset to reset the stopwatch to zero.

  If you start the stopwatch and go to another iPhone application, the stopwatch continues running in the background.

Setting the Timer

Set the timer

- Tap Timer, then flick to set the number of hours and minutes. Tap When Timer Ends to choose the sound iPhone makes when the timer ends. Tap Start to start the timer.

Set a sleep timer

- Set the timer, then tap When Timer Ends and choose Sleep iPod.

  When you set a sleep timer, iPhone stops playing music or video when the time runs out.

  If you start the timer and go to another iPhone application, the timer continues running in the background.

Calculator



Using the calculator

- Add, subtract, multiply, and divide, as with a standard calculator.

When you tap the add, subtract, multiply, or divide button, a white ring appears around the button to let you know the operation to be carried out.

Using the memory functions

- *C:* Tap to clear the displayed number.
- *M+:* Tap to add the displayed number to the number in memory. If no number is in memory, tap to store the displayed number in memory.
- *M–:* Tap to subtract the displayed number from the number in memory.
- *MR/MC:* Tap once to replace the displayed number with the number in memory. Tap twice to clear the memory. If the MR/MC button has a white ring around it, there is a number stored in memory.

Notes



Writing, Reading, and Emailing Notes

Notes are listed by date added, with the most recent note at the top. You can see the first few words of each note in the list.

Add a note

- Tap +, then type your note and tap Done.

Read or edit a note

- Tap the note. Tap anywhere on the note to bring up the keyboard and edit the note. Tap ➡ or ⬅ to see the next or previous note.

Delete a note

- Tap the note, then tap 🗑.

Email a note

- Tap the note, then tap ✉.

  To email a note, iPhone must be set up for email (see "Setting Up Email Accounts" on page 46).

Settings

8

Tap Settings to adjust iPhone settings.



Settings allows you to customize iPhone applications, set the date and time, configure your network connection, and enter other preferences for iPhone.

Airplane Mode

Airplane mode disables the wireless features of iPhone to avoid interfering with aircraft operation and other electrical equipment.

Turn on airplane mode

- Tap Settings and turn airplane mode on.

  When airplane mode is on, ✈ appears in the status bar at the top of the screen, and no cell phone, radio, Wi-Fi, or Bluetooth signals are emitted from iPhone. You can't make calls, send or receive text messages, stream YouTube videos, or get stock quotes, map locations, or weather reports.

  If allowed by the aircraft operator and applicable laws and regulations, you can continue to use iPhone to:

  - Listen to music and watch video
  - Listen to visual voicemail
  - Check your calendar
  - Take or view pictures
  - Hear alarms
  - Use the stopwatch and timer
  - Use the calculator
  - Take notes
  - Read text messages and email messages stored on iPhone

Wi-Fi

Wi-Fi settings determine when iPhone uses local Wi-Fi networks to connect to the Internet. If no Wi-Fi networks are available, or you've turned Wi-Fi off, then iPhone connects to the Internet via your cellular network, when available. You can use Mail, Safari, YouTube, Stocks, Maps, and Weather over a cellular network connection, but not the iTunes Wi-Fi Music Store.

Turn Wi-Fi on or off

- Choose Wi-Fi and turn Wi-Fi on or off.

Join a Wi-Fi network

- Choose Wi-Fi, wait a moment as iPhone detects networks in range, then select a network. If necessary, enter a password and tap Join. (Networks that require a password appear with a lock icon.)

  Once you've joined a Wi-Fi network manually, iPhone automatically joins it whenever the network is in range. If more than one previously used network is in range, iPhone joins the one last used.

  When iPhone is joined to a Wi-Fi network, the Wi-Fi icon in the status bar at the top of the screen shows signal strength. The more bars you see, the stronger the signal.

Set iPhone to ask if you want to join a new network

When you are trying to access the Internet, by using Safari or Mail for example, and you are not in range of a Wi-Fi network you have previously used, this option tells iPhone to look for another network. iPhone displays a list of all available Wi-Fi networks that you can choose from. (Networks that require a password appear with a lock icon.) If "Ask to Join New Networks" is turned off, you must manually join a network to connect to the Internet when neither a previously used network nor cellular network is available.

- Choose Wi-Fi and turn "Ask to Join Networks" on or off. If you turn "Ask to Join Networks" off, you must join new networks manually.

Forget a network, so iPhone doesn't join it automatically

- Choose Wi-Fi and tap next to a network you've joined before. Then tap "Forget this Network."

Join a closed Wi-Fi network (an available Wi-Fi network that isn't shown in the list of scanned networks)

- Choose Wi-Fi > Other and enter the network name. If the network requires a password, tap Security, tap the type of security the network uses, and enter the password.

  You must already know the network name, password, and security type to connect to a closed network.

  Some Wi-Fi networks may require you to enter or adjust additional settings, such as a client ID or static IP address. Ask the network administrator which settings to use.

Adjust settings to connect to a Wi-Fi network

- Choose Wi-Fi, then tap  next to a network.

Carrier

This setting appears when you're outside of your carrier's network and other local carrier networks are available to use for your phone calls, visual voicemail, and cellular network Internet connections. You can make calls only on carriers that have roaming agreements with your carrier. Additional fees may apply. Roaming charges may be billed to you by the carrier of the selected network, through your carrier.

For information about out-of-network coverage and how to enable roaming, contact your carrier or go to your carrier's website.

Select a carrier for phone calls

- Choose Carrier and select the network you want to use.

  Once you select a network, iPhone will only use that network. If the network is unavailable, "No service" will appear on the iPhone screen and you won't be able to make or receive calls or visual voicemail, or connect to the Internet via cellular network. Set Network Settings to Automatic to have iPhone select a network for you.

Usage

See your usage statistics

- Choose Usage. There, you can see:
  - Usage—Amount of time iPhone has been awake and in use since the last full charge, including time spent checking email, sending and receiving text messages, on phone calls, listening to music, browsing the Web, or using any other iPhone features.
  - Standby—Amount of time iPhone has been powered on since its last full charge, including the time iPhone has been asleep.
  - Current period and lifetime call time
  - Amount of data sent and received over the cellular network

Reset your usage statistics

- Tap Usage and tap Reset Statistics to clear the data and cumulative time statistics. The statistics for the amount of time iPhone has been unlocked and in standby mode are not reset.

Sounds and the Ring/Silent Switch

Set the ringtone

- Choose Sounds > Ringtone.

Set alert and effects sounds

- Choose Sounds and turn items on or off under Ring. When the Ring/Silent switch is set to ring, iPhone plays sounds for alerts and effects that are turned on.

  You can set iPhone to play a sound whenever you:

  - Get a call
  - Get a voicemail message
  - Get a text message
  - Get an email message
  - Send an email message
  - Have an appointment that you've set up to alert you
  - Lock iPhone
  - Type using the keyboard

Switch between ring and silent mode

- Flip the Ring/Silent switch on the side of iPhone.

  When set to silent, iPhone doesn't play any ring, alert, or effects sounds. It does, however, play alarms set using Clock.

Set whether iPhone vibrates when you get a call

- Choose Sounds. To set whether iPhone vibrates in silent mode, turn Vibrate under Silent on or off. To set whether iPhone vibrates in ring mode, turn Vibrate under Ring on or off.

Adjust the ringer and alerts volume

- Choose Sounds and drag the slider. Or, if no song or video is playing and you aren't on a call, use the volume buttons on the side of iPhone.

Brightness

Screen brightness affects battery life. Dim the screen to extend the time before you need to recharge iPhone. Or use Auto-Brightness, which is designed to conserve battery life.

Adjust the screen brightness

- Choose Brightness and drag the slider.

Set whether iPhone adjusts screen brightness automatically

- Choose Brightness and turn Auto-Brightness on or off. If Auto-Brightness is on, iPhone adjusts the screen brightness for current light conditions using the built-in ambient light sensor.

Wallpaper

You see a wallpaper background picture when you unlock iPhone. You can select one of the images that came with iPhone, or use a photo you've synced to iPhone from your computer.

Set Wallpaper

- Choose Wallpaper and choose a picture.

General

The General settings include date and time, security, network, and other settings that affect more than one application. This is also where you can find information about your iPhone, and reset iPhone to its original state.

About

Choose General > About to get information about iPhone, including:

- Name of your phone network
- Number of songs, videos, and photos
- Total storage capacity
- Space available
- Software version
- Serial and model numbers
- Wi-Fi and Bluetooth addresses
- IMEI (International Mobile Equipment Identity) and ICCID (Integrated Circuit Card Identifier, or Smart Card) numbers
- Modem firmware version of the cellular transmitter
- Legal information

Home Button

Choose General > Home Button to set preferences for double-clicking the Home button. You can set iPhone so that double-clicking the Home button goes to either your Home, Phone Favorites, or iPod screen.

Set whether double-clicking the Home button shows iPod controls

- Turn Show iPod Controls on or off so that when you're playing music, you can access iPod controls by double-clicking the Home button. This setting works even when your display is turned off or your iPhone is locked.

Date and Time

These settings apply to the time shown in the status bar at the top of the screen, world clocks, and calendar.

Set whether iPhone shows 24-hour time or 12-hour time

- Choose General > Date & Time and turn 24-Hour Time on or off.

Set whether iPhone sets the date and time automatically

- Choose General > Date & Time and turn Set Automatically on or off.

  If iPhone is set to update the time automatically, it gets the correct time over the cell network, and updates it for the time zone you're in.

  Some carriers do not support network time in all locations. If you're traveling, iPhone may not be able to automatically set the local time.

Set the time manually

- Choose General > Date & Time and turn Set Automatically off. Then enter a time zone, date, and time.

Turn on Calendar time zone support

- Choose General > Date & Time and turn Time Zone Support on. When Time Zone Support is on, Calendar displays event dates and times in the time zone set for your calendars. When Time Zone Support is off, Calendar displays events in the time zone of your current location.

International

Use the International settings to set the language for iPhone, turn keyboards for different languages on and off, and set the date, time, and telephone number formats for your region.

Set the language for iPhone

- Choose General > International > Language, choose the language you want to use, and tap Done.

Turn international keyboards on or off

You can change the language for your keyboard on iPhone, or make two or more keyboards available.

- Choose General > International > Keyboards, and turn on the keyboards you want.

  If more than one keyboard is turned on, tap ⊕ to switch keyboards when you're typing. When you tap the symbol, the name of the newly active keyboard appears briefly.

Set date, time, and telephone number formats

Choose General > International > Region Format, and choose your region.

Auto-Lock

Locking iPhone turns off the display to save your battery and to prevent unintended operation of iPhone. You can still receive calls and text messages, and you can adjust the volume and use the mic button on the iPhone Stereo headset when listening to music or on a call.

Set the amount of time before iPhone locks

- Choose General > Auto-Lock and choose a time.

Passcode Lock

By default, iPhone doesn't require you to enter a passcode to unlock it.

Set a passcode

- Choose General > Passcode Lock and enter a 4-digit passcode. iPhone then requires you to enter the passcode to unlock it.

Turn passcode lock off

- Choose General > Passcode Lock and tap Turn Passcode Off, then enter your passcode.

Change the passcode

Choose General > Passcode Lock and tap Change Passcode, enter the current passcode, then enter and reenter your new passcode.

If you forget your passcode, you must restore the iPhone software. See page 120.

Set how long before your passcode is required

Choose General > Passcode Lock > Require Passcode, then select how long iPhone can be locked before you need to enter a passcode to unlock it.

Network

Use the Network settings to configure a VPN (virtual private network) connection, access Wi-Fi settings, or turn Data Roaming on or off.

VPN

VPNs are often used within organizations to allow you to communicate private information securely over a non-private network. You may need to configure VPN, for example, to access your work email on iPhone.

iPhone can connect to VPNs that use the L2TP or PPTP protocol and optionally use either RSASecurID or CRYPTOCard for authentication. VPN works over both Wi-Fi and cellular network connections.

Configure VPN

- Choose General > Network > VPN and tap Settings. Ask your network administrator which settings to use. In most cases, if you've set up VPN on your computer, you can use the same VPN settings for iPhone.

Turn VPN on or off

Once you've entered VPN settings, a VPN switch appears at the top level of the Settings list.

- Tap Settings and turn VPN on or off.

Wi-Fi

See "Wi-Fi" on page 92.

Data Roaming

Data Roaming turns on Internet and visual voicemail access over a cellular network when you're in an area not covered by your carrier's network. For example, when you're traveling, you can turn off Data Roaming to avoid potential roaming charges. By default, Data Roaming is turned off.

- Choose General > Network and turn Data Roaming on or off.

Bluetooth

iPhone can connect wirelessly to Bluetooth headsets and car kits for hands-free talking. See "Using iPhone with a Bluetooth Headset or Car Kit" on page 41 for more information.

Turn Bluetooth on or off

- Choose General > Network and turn Bluetooth on or off.

Keyboard

Turn Auto-Capitalization on or off

By default, iPhone automatically capitalizes words after you type sentence-ending punctuation or a return character.

- Choose General > Keyboard and turn Auto-Capitalization on or off.

Set whether Caps Lock is enabled

If Caps Lock is enabled and you double-tap the Shift ⇧ key on the keyboard, all letters you type are uppercase. The Shift key turns blue when Caps Lock is on.

- Choose General > Keyboard and turn Enable Caps Lock on or off.

Turn "." shortcut on or off

The "." shortcut lets you double-tap the space bar to enter a period followed by a space when you're typing. It is on by default.

- Choose General > Keyboard and turn "." Shortcut on or off.

Turn international keyboards on or off

You can change the language for your keyboard on iPhone, or make two or more keyboards available.

- Choose General > Keyboards > International Keyboards and turn on the keyboards you want.

If more than one keyboard is turned on, tap to switch keyboards when you're typing. When you tap the symbol, the name of the newly active keyboard appears briefly.

Resetting iPhone Settings

Reset all settings

- Choose General > Reset and tap Reset All Settings.

  All your preferences and settings are reset. Information, such as your contacts and calendars, and media, such as your songs and videos, are not deleted.

Erase all content and settings

- Choose General > Reset and tap "Erase All Content and Settings."

  All your information and media are deleted. You must sync iPhone with your computer to restore contacts, songs, videos, and other information and media.

Reset the keyboard dictionary

- Choose General > Reset and tap Reset Keyboard Dictionary.

  You add words to the keyboard dictionary by rejecting words iPhone suggests as you type. Tap a word to reject the correction and add the word to the keyboard dictionary. Resetting the keyboard dictionary erases all words you've added.

Reset Network Settings

- Choose General > Reset and tap Reset Network Settings.

Reset the Home screen layout

- Choose General > Reset and tap Reset Home Screen Layout.

Mail

Use Mail settings to customize your email account for iPhone. Changes you make to email accounts settings are *not* synced to your computer, allowing you to configure email to work with iPhone without affecting email account settings on your computer.

Account Settings

The specific accounts settings that appear on iPhone depend on the type of account you have—POP or IMAP.

Note: Microsoft Outlook 2003 or 2007 email accounts must be configured for IMAP in order to work with iPhone.

Stop using an account

- Choose Mail, choose an account, then turn Account off.

  If an account is off, iPhone doesn't display the account and doesn't send or check email from that account, until you turn it back on.

Adjust advanced settings

- Choose Mail > Accounts, choose an account, then do one of the following:
  - *To set whether drafts, sent messages, and deleted messages are stored on iPhone or remotely on your email server (IMAP accounts only),* tap Advanced and choose Drafts Mailbox, Sent Mailbox, or Deleted Mailbox.

    If you store messages on iPhone, you can see them even when iPhone isn't connected to the Internet.
  - *To set when deleted messages are removed permanently from iPhone,* tap Advanced and tap Remove, then choose a time: Never, or after one day, one week, or one month.
  - *To adjust email server settings,* tap Host Name, User Name, or Password under Incoming Mail Server or Outgoing Mail Server. Ask your network administrator or Internet service provider for the correct settings.
  - *To adjust SSL and password settings,* tap Advanced. Ask your network administrator or Internet service provider for the correct settings.

Delete an email account from iPhone

- Choose Mail, tap an account, then scroll down and tap Delete Account.

  Deleting an email account from iPhone doesn't delete it from your computer.

Settings for Email Messages

iPhone checks for and retrieves new email in your accounts whenever your open Mail. You can also set Mail to regularly check for email and download your messages even when you don't have Mail open.

Set whether iPhone checks for new messages automatically

- Choose Mail > Auto-Check, then tap Manual, "Every 15 minutes," "Every 30 minutes," or "Every hour."

  If you have a Yahoo! email account, email is instantly transferred to iPhone as it arrives at the Yahoo! server.

Set whether iPhone plays an alert sound when you have new email

- Choose Sound, then turn New Mail on or off.

Set the number of messages shown on iPhone

- Choose Mail > Show, then choose a setting. You can choose to see the most recent 25, 50, 75,100, or 200 messages. To download additional messages when you're in Mail, scroll to the bottom of your inbox and tap "Download . . . more."

Set how many lines of each message are previewed in the message list

- Choose Mail > Preview, then choose a setting. You can choose to see anywhere from zero to five lines of each message. That way, you can scan a list of messages in a mailbox and get an idea of what each message is about.

Set a minimum font size for messages

- Choose Mail > Minimum Font Size, then choose Small, Medium, Large, Extra Large, or Giant.

Setting whether iPhone shows To and Cc labels in message lists

- Choose Mail, then turn Show To/Cc Label on or off.

  If Show To/Cc Label is on, To or Cc next to each message in a list indicates whether the message was sent directly to you or you were Cc'ed.

Setting iPhone to confirm that you want to delete a message

- Choose Mail and turn Ask Before Deleting on or off.

  If Ask Before Deleting is on, to delete a message you must tap 🗑, then confirm by tapping Delete.

Settings for Sending Email

Set an alert to sound when you successfully send a message

- Choose Sound, then turn Sent Mail on or off.

Set whether iPhone sends you a copy of every message you send

- Choose Mail, then turn Always Bcc Myself on or off.

Add a signature to your messages

You can set iPhone to add a signature—your favorite quote, or your name, title, and phone number, for example—that appears in every message you send.

- Choose Mail > Signature, then type a signature.

Set the default email account

When you initiate sending a message from another iPhone application, such as sending a photo from Photos or tapping a business' email address in Maps, the message is sent from your default email account.

- Choose Mail > Default Account, then choose an account.

Phone

Use Phone settings to determine how your contacts are sorted, forward incoming calls, turn call waiting on or off, change your password, and other things.

Setting How Contacts Are Displayed

Set how contacts are sorted and displayed

- Choose Phone, then do one of the following:
  - *To sort alphabetically by first or last name,* tap Sort Order.
  - *To display first name first or last name first,* tap Display Order.

Call Forwarding

You can set iPhone to forward incoming calls to another number. You may, for example, be on vacation and want all calls to go somewhere else. If you're going to an area with no cell coverage, you may want to forward calls to a place where you can be reached.

Set iPhone to forward your calls

1. Choose Phone > Call Forwarding and turn Call Forwarding on.
2. Tap Forwarding To and enter the phone number you want calls forwarded to.

   You must be in range of the cell network when you set iPhone to forward calls, or calls won't be forwarded.

Call Waiting

Activate or deactivate call waiting

- Choose Phone > Call Waiting, then turn Call Waiting on or off. If you turn call waiting off and someone calls you when you're already on the phone, the call goes to voicemail.

Show My Caller ID

Show or hide your caller ID

- Choose Phone > Show My Caller ID, then turn Show My Caller ID on or off.

  If Show My Caller ID is off, people you call can't see your name or phone number on their phone.

Using iPhone with a Teletype (TTY) Machine

In some regions, Teletype (TTY) machines are used by deaf or hearing-impaired people to communicate by typing and reading text. If you have the iPhone TTY Adapter cable, available at www.apple.com/store, you can use iPhone with a TTY machine.

Connect iPhone to a TTY machine

- Choose Phone, then turn TTY on. Then connect iPhone to your TTY machine using the adapter cable.

  For information about using a TTY machine, see the documentation that came with the machine.

  For more information about other accessibility features of iPhone, go to: www.apple.com/accessibility

Changing Your Voicemail Password

A voicemail password helps prevent others from access your voicemail. You only need to enter the password when you're calling in to get your messages from another phone. You won't need to enter the password when using voicemail on iPhone.

Change the voicemail password

- Choose Phone > Change Voicemail Password.

Locking Your SIM Card

You can lock your SIM card, so it can't be used without a PIN number. You must enter the number each time you turn iPhone off and turn it back on again. Some carriers require a SIM PIN to use iPhone.

Note: If you enter the PIN incorrectly three times, you may need to contact your carrier for a Personal Unlocking Key (PUK) to enable your SIM card again. Some cellular networks may not accept an emergency call from iPhone if the SIM is PIN-locked.

Turn SIM PIN on or off

1. Choose Phone > SIM PIN, then turn SIM PIN on or off.
2. Enter your SIM PIN number to confirm. Unless you've been assigned a PIN by your carrier, the default PIN is 1111.

Change the PIN number for your SIM card

1. Choose Phone > SIM PIN.
2. Turn SIM PIN on, then tap Change PIN.
3. Enter your current password, then enter your new password.
4. Enter your new password again to confirm, then tap Done.

Accessing Your Carrier's Services

Depending on your carrier, you may be able to access some of your carrier's services directly from iPhone. For example, you may be able to check your bill balance, call directory assistance, and view how many minutes you have left.

Access Your Carrier's Services

- Choose Phone. Then scroll down and tap the button for your carrier's services.

When you request information such as your bill balance, your carrier may provide the information in a text message. Contact your carrier to find out if there are any charges for these services.

Safari

General Settings

You can use Google or Yahoo! to perform Internet searches.

Select a search engine

- Choose Safari > Search Engine and select the search engine you want to use.

Security Settings

By default, Safari is set to show some of the features of the web, like some movies, animation, and web applications. You may wish to turn off some of these features to help protect iPhone from possible security risks on the Internet.

Change security settings

- Choose Safari, then do one of the following:
  - *To enable or disable JavaScript,* turn JavaScript on or off.

    JavaScript lets web programmers control elements of the page—for example, a page that uses JavaScript might display the current date and time or cause a linked page to appear in a new pop-up page.
  - *To enable or disable plug-ins,* turn Plug-ins on or off. Plug-ins allow Safari to play some types of audio and video files and to display Microsoft Word files and Microsoft Excel documents.
  - *To block or allow pop-ups,* turn Block Pop-ups on or off. Blocking pop-ups stops only pop-ups that appear when you close a page or open a page by typing its address. It doesn't block pop-ups that open when you click a link.
  - *To set whether Safari accepts cookies,* tap Accept Cookies and choose Never, "From visited," or Always.

    A cookie is a piece of information that a website puts on iPhone so the website can remember you when you visit again. That way, webpages can be customized for you based on information you may have provided.

    Some pages won't work correctly unless iPhone is set to accept cookies.
  - *To clear the history of webpages you've visited,* tap Clear History.
  - *To clear all cookies from Safari,* tap Clear Cookies.
  - *To clear the browser cache,* tap Clear Cache.

    The browser cache stores the content of pages so the pages open faster the next time you visit them. If a page you open isn't showing new content, clearing the cache may help.

Developer Settings

The Debug Console can help you resolve webpage errors. When turned on, the console appears automatically when a webpage error occurs.

Turn the debug console on or off

Choose Safari > Developer, and turn Debug Console on or off.

iPod

Use iPod Settings to adjust settings for music and video playback on your iPod.

Music

The Music settings apply to songs, podcasts, and audiobooks.

Set iTunes to play songs at the same sound level

iTunes can automatically adjust the volume of songs, so they play at the same relative volume level.

- In iTunes, choose iTunes > Preferences if you're using a Mac, or Edit > Preferences if you're using a PC, then click Playback and select Sound Check.

You can set iPhone to use the iTunes volume settings.

Set iPhone to use the iTunes volume settings (Sound Check)

- Choose Music and turn Sound Check on.

Set audiobook play speed

You can set audiobooks to play faster than normal so you can hear them more quickly, or slower so you can hear them more clearly.

- Choose Music > Audiobook Speed, then choose Slower, Normal, or Faster.

Use the equalizer to change the sound on iPhone to suit a particular sound or style

- Choose Music > EQ and choose a setting.

Set a volume limit for music and videos

- Choose Music > Volume Limit and drag the slider to adjust the maximum volume. Tap Lock Volume Limit to assign a code to prevent the setting from being changed.

Setting a volume limit only limits the volume of music (including podcasts and audiobooks) and videos (including rented movies), and only when headphones, earphones, or speakers are connected to the headphones port on iPhone.

WARNING: For important information about avoiding hearing loss, see the *Important Product Information Guide* at www.apple.com/support/manuals/iphone.

Video

Video settings apply to video content (including rented movies). You can set where to resume playing videos that you previously started, turn closed captioning on or off, and set up iPhone to play videos on your TV.

Set where to resume playing

- Choose Video > Start Playing, then select whether you want videos that you previously started watching to resume playing from the beginning or where you left off.

Turn closed captioning on or off

- Choose Video and turn Closed Captioning on or off.

TV Out Settings

Use these settings to set up how iPhone plays videos on your TV. For more information about using iPhone to play videos on your TV, see page 65.

Turn widescreen on or off

- Choose Video and turn Widescreen on or off.

Set TV signal to NTSC or PAL

- Choose Video > TV Signal and select NTSC or PAL.

NTSC and PAL are TV broadcast standards. NTSC displays 480i and PAL displays 576i. Your TV might use either of these, depending on where it was sold. If you're not sure which to use, check the documentation that came with your TV.

Photos

Use Photos settings to specify how slideshows display your photos.

Set the length of time each slide is shown

- Choose Photos > Play Each Slide For and select the length of time.

Set transition effect

- Choose Photos > Transition and select the transition effect.

Set whether to repeat slideshows

- Choose Photos and turn Repeat on or off.

Set photos to appear randomly or in order

- Choose Photos and turn Shuffle on or off.

Restoring or Transferring Your iPhone Settings

When you connect iPhone to your computer, settings on iPhone are automatically backed up to your computer. You can restore this information if you need to—if you get a new iPhone, for example, and want to transfer your previous settings to it. You may also want to reset the information on iPhone if you're having trouble connecting to a Wi-Fi network.

Automatically backed-up information includes text messages, notes, call history, contact favorites, sound settings, certain network settings, and other preferences.

Restore or transfer settings

Do one of the following:

- Connect a new iPhone to the same computer you used with your other iPhone, open iTunes, and follow the onscreen instructions.
- Reset the information on iPhone. In Settings, choose General > Reset, then choose "Reset All Settings," "Erase All Content and Settings," or "Reset Network Settings." Then connect iPhone to your computer, open iTunes, and follow the onscreen instructions.

  When you reset network settings, your list of previously used networks and your VPN settings are removed. Wi-Fi is turned off and then back on, disconnecting you from any network you're on. The Wi-Fi and "Ask to Join Networks" settings are left turned on.

Delete a set of backed-up settings

- Open iTunes and choose iTunes > Preferences (on a Mac) or Edit > Preferences (on a PC). Then click Syncing, select an iPhone, and click "Remove Backup."

  iPhone doesn't need to be connected to your computer.

Note: If you use a Bluetooth headset or car kit with iPhone and you restore settings, you must pair the Bluetooth device with iPhone again to use it.

iTunes Wi-Fi Music Store

9

Tap iTunes to purchase songs and albums from the iTunes Wi-Fi Music Store.



You can search for, browse, preview, purchase, and download songs and albums from the iTunes Wi-Fi Music Store directly to iPhone. Your purchased content is automatically copied to your iTunes library the next time you sync iPhone with your computer.

To use the iTunes Wi-Fi Music Store, iPhone must join a Wi-Fi network that is connected to the Internet. For information about joining a Wi-Fi network, see page 25. You'll also need an iTunes Store account to purchase songs over Wi-Fi (available in some countries). If you don't already have an iTunes Store account, open iTunes and choose Store > Account to set one up.

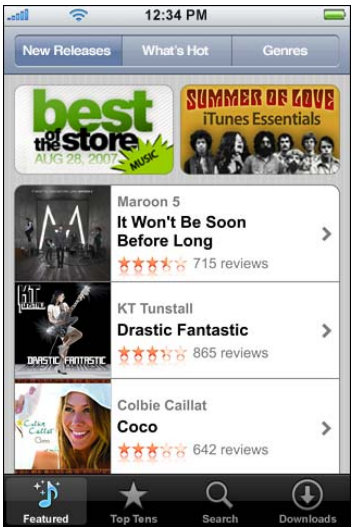
Note: You cannot access the iTunes Wi-Fi Music Store over a cellular network. If you attempt to access the iTunes Wi-Fi Music Store without joining a Wi-Fi network, an error message appears.

Browsing and Searching

You can browse featured selections, top-ten categories, or search the iTunes Wi-Fi Music Store music catalog for the songs and albums you're looking for. Use the featured selections to see new releases and iTunes Wi-Fi Music Store recommendations. Top Tens lets you see the most popular songs and albums in each of several categories. If you're looking for a specific song, album, or artist, use Search.

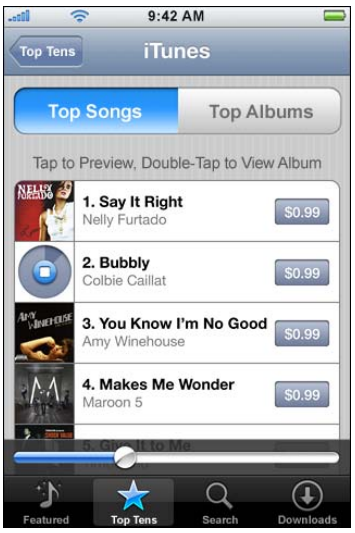
Browse featured songs and albums

- Tap Featured and select a category at the top of the screen.



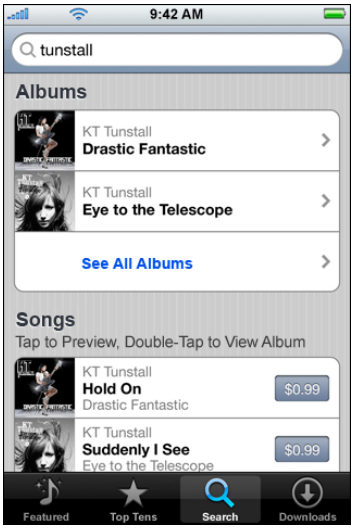
Browse top ten songs and albums

- Tap Top Tens, then choose a category and tap Top Songs or Top Albums.



Search for songs and albums

- Tap Search, tap the search field and enter one or more words, then tap Search.



See the songs on an album

- Tap the album.

See the album a song is on

- Double-tap the song.

Browsing Starbucks Selections

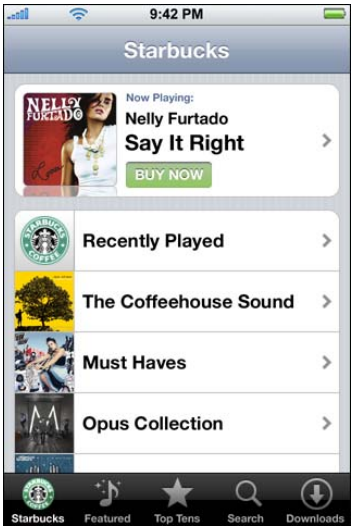
If you're in a select Starbucks location (available in the U.S. only), the Starbucks icon appears at the bottom of the screen next to Featured. Tap the Starbucks icon to find out what song is playing in the café and browse featured Starbucks Collections.

For a list of select Starbucks locations, go to: www.apple.com/itunes/starbucks.

Find out what song is playing

- Tap Starbucks.

The currently playing song appears at the top of the screen. Tap the song to see the album the song is on and the other songs on the album.



View Recently Played and other Starbucks playlists

- Tap Starbucks, then choose Recently Played or one of the Starbucks playlists.

Purchasing Songs and Albums

When you find a song or album you like in the iTunes Wi-Fi Music Store, you can purchase and download it to iPhone. You can preview a song before you purchase it to make sure it's a song you want. In select Starbucks locations (available in the U.S. only), you can also preview and purchase the currently playing and other songs from featured Starbucks Collections.

Preview a song

- Tap the song.

Purchase and download a song or album

1. Tap the price, then tap Buy Now.

   Note: To purchase songs on iPhone, you must have been signed in to your iTunes Store account in iTunes the last time you synced iPhone.

2. Enter your password and tap OK.

   Your purchase is charged to your iTunes Store account. For additional purchases made within the next fifteen minutes, you don't have to enter your password again.

   An alert appears if you've previously purchased one or more songs from an album. Tap Buy if you want to purchase the entire album including the songs you've already purchased, or tap Cancel if you want to purchase the remaining songs individually.

   Note: Some albums include bonus content, which is downloaded to your iTunes library on your computer. Not all bonus content is downloaded directly to iPhone.

See the status of downloading songs and albums

- Tap Downloads.

  To pause a download, tap ⏸.

  If you need to turn off iPhone or leave the area of your Wi-Fi connection, don't worry about interrupting the download. iPhone starts the download again the next time iPhone joins a Wi-Fi network with an Internet connection. Or if you open iTunes on your computer, iTunes completes the download to your iTunes library.

  Purchased songs are added to a Purchased playlist on iPhone. If you delete the Purchased playlist, iTunes creates a new one when you buy an item from the iTunes Wi-Fi Music Store.

Syncing Purchased Content

iTunes automatically syncs songs and albums you've purchased on iPhone to your iTunes library when you connect iPhone to your computer. This lets you listen to the purchases on your computer and provides a backup if you delete purchases from iPhone. The songs are synced to the "Purchased on <name of your iPhone>" playlist. iTunes creates the playlist if it doesn't exist.

iTunes also copies your purchases to the Purchased playlist that iTunes uses for purchases you make on your computer, if that playlist exists and is set to sync with iPhone.

Verifying purchases

You can use iTunes to verify that all the music, videos, and other items you bought from the iTunes Wi-Fi Music Store are in your iTunes library. You might want to do this if a download was interrupted.

Verify your purchases

1. Make sure your computer is connected to the Internet.
2. In iTunes, choose Store > Check for Purchases.
3. Enter your iTunes Store account ID and password, then click Check.

Purchases not yet on your computer will be downloaded.

The Purchased playlist displays all your purchases. However, because you can add or remove items in this list, it might not be accurate. To see all your purchases, make sure you're signed in to your account, choose Store > View My Account, and click Purchase History.

Changing Your iTunes Store Account Information

iPhone gets your iTunes Store account information from iTunes. You can view and change your iTunes Store account information using iTunes on your computer.

View and change your iTunes Store account information

- In iTunes, choose Store > View My Account.

You must be signed in to your iTunes Store account. If "View My Account" doesn't appear in the Store menu, choose Store > Sign in.

Purchase music from another iTunes Store account

- Sign in to that account when you connect to iTunes Wi-Fi Music Store.

Tips and Troubleshooting

A

Most problems with iPhone can be solved quickly by following the advice in this chapter.

General Suggestions

If the screen shows a low-battery image

iPhone is low on power and needs to charge for up to ten minutes before you can use it. For information about charging iPhone, see "Charging the Battery" on page 27.



or



If iPhone doesn't appear in iTunes or you can't sync iPhone

- The iPhone battery might need to be recharged. For information about charging iPhone, see "Charging the Battery" on page 27.
- Disconnect other USB devices from your computer and connect iPhone to a different USB 2.0 port on your computer (not on your keyboard).
- Turn iPhone off and back on again. Press and hold the Sleep/Wake button on top of iPhone for a few seconds until a red slider appears, then drag the slider. Then press and hold the Sleep/Wake button until the Apple logo appears. Tap Unlock and enter your SIM's PIN if the SIM is locked.

  Note: If you enter the PIN incorrectly three times, you may need to contact your carrier for a Personal Unlocking Key (PUK) to enable your SIM card again.
- Restart your computer and reconnect iPhone to your computer.

- Download and install (or reinstall) the latest version of iTunes from www.apple.com/itunes.

If you can't make or receive calls, send or receive text messages, or access email or the web

- Check the cell signal indicator in the status bar at the top of the screen. If there are no bars, or if it says "No service," try moving to a different location. If you're indoors, try going outdoors or moving closer to a window.
- Check to make sure you're in an area with network coverage. Go to your carrier's website to see network coverage areas.
- Make sure airplane mode isn't on. From the Home screen choose Settings, then turn airplane mode off. If that doesn't work, turn airplane mode on, wait 15 seconds, then turn airplane mode off again.
- Make sure to include an area code for every phone number in your contacts list that you use to send or receive text messages.
- Turn iPhone off and back on again. Press and hold the Sleep/Wake button on top of iPhone for a few seconds until a red slider appears, then drag the slider. Then press and hold the Sleep/Wake button until the Apple logo appears. Tap Unlock and enter your SIM's PIN if the SIM is locked.

  Note: If you enter the PIN incorrectly three times, you may need to contact your carrier for a Personal Unlocking Key (PUK) to enable your SIM card again.
- There may be a problem with your wireless service. Call your carrier or go to your carrier's website.
- Restore the iPhone software. See "Updating and Restoring iPhone Software" on page 120.

If iPhone won't turn on, or if the display freezes or doesn't respond

- Press and hold the Home button below the screen for at least six seconds, until the application you were using quits.
- If that doesn't work, turn iPhone off and turn it on again. Press and hold the Sleep/Wake button on top of iPhone for a few seconds until a red slider appears, and then drag the slider. Then press and hold the Sleep/Wake button until the Apple logo appears.
- If that doesn't work, reset iPhone. Press and hold both the Sleep/Wake button and the Home button for at least ten seconds, until the Apple logo appears.

If iPhone continues to freeze or not respond after you reset it

- Reset iPhone settings. From the Home screen choose Settings > General > Reset > Reset All Settings. All your preferences are reset, but no data or media is deleted.
- If that doesn't work, erase all content on iPhone. From the Home screen choose Settings > General > Reset > "Erase All Content and Settings." All your preferences and other data are removed from iPhone.
- If that doesn't work, restore the iPhone software. See "Updating and Restoring iPhone Software" on page 120.

If iPhone isn't playing sound

- Unplug and reconnect the headset. Make sure the connector is pushed in all the way.
- Make sure the volume isn't turned down all the way.
- Music on iPhone might be paused. Try clicking the mic button on the headset to resume playback. Or from the Home screen tap iPod, tap Now Playing, then tap ▶.
- Check to see if a volume limit is set. From the Home screen choose Settings > iPod > Volume Limit. For more information, see page 105.
- Make sure you are using the latest version of iTunes (go to www.apple.com/itunes).
- If you are using the dock's line out port, make sure your external speakers or stereo are turned on and working properly.

If clicking the mic button on the headset doesn't resume music playback

iPhone goes to sleep after music has been paused for five minutes. Press the Home ▢ or Sleep/Wake button to wake up iPhone.

If your headset or headphones don't fit in the iPhone headset jack

iPhone supports third-party headsets and headphones with a standard 3.5 millimeter stereo miniplug. Some of these may not connect properly to iPhone because the plug body is too large to fit in the jack inset. Third-party adapters may be available.

If iPhone shows a message saying "This accessory is not made to work with iPhone"

If you connect iPhone to an accessory not specifically made for it, iPhone may ask if you want to turn on airplane mode. This is to eliminate radio interference from cellular signals coming from iPhone. You may be able to use iPhone with the accessory whether or not you turn on airplane mode. However, the accessory may not charge iPhone.

If you turn on airplane mode, you won't be able to make calls, send or receive text messages, access the Internet, or use Bluetooth devices with iPhone until you disconnect iPhone from the accessory or turn off airplane mode.

If iPhone shows a message saying "This accessory is not supported by iPhone"

The accessory you attached will not work with iPhone.

If iPhone calls your voicemail service when you tap Voicemail in Phone
If the voice instructions prompt you, enter your voicemail password. Otherwise, wait until you hear any voice instruction, then end the call. After a time, Voicemail should become available again.

If you can't add or play a song, video, or other item
The song may have been encoded in a format that iPhone doesn't support. The following audio file formats are supported by iPhone. These include formats for audiobooks and podcasting:

- AAC (M4A, M4B, M4P, up to 320 Kbps)
- Apple Lossless (a high-quality compressed format)
- MP3 (up to 320 Kbps)
- MP3 Variable Bit Rate (VBR)
- WAV
- AA (audible.com spoken word, formats 2, 3, and 4)
- AAX (audible.com spoken word, AudibleEnhanced format)
- AIFF

The following video file formats are supported by iPhone:

- H.264 (Baseline Profile Level 3.0)
- MPEG-4 (Simple Profile)

A song encoded using Apple Lossless format has full CD-quality sound, but takes up only about half as much space as a song encoded using AIFF or WAV format. The same song encoded in AAC or MP3 format takes up even less space. When you import music from a CD using iTunes, it is converted to AAC format by default.

Using iTunes for Windows, you can convert nonprotected WMA files to AAC or MP3 format. This can be useful if you have a library of music encoded in WMA format.

iPhone does not support WMA, MPEG Layer 1, MPEG Layer 2 audio files, or audible.com format 1.

If you have a song or video in your iTunes library that isn't supported by iPhone, you may be able to convert it to a format iPhone supports. See iTunes Help for more information.

If you can't open an attachment in an email
The file type may not be supported. iPhone supports the following email attachment file formats:

- .c, .cpp, .diff, .doc, .docx, .h, .hpp, .htm, .html, .m, .mm, .patch, .pdf, .txt, .xls, .xlsx

If email couldn't be delivered because the connection to the server on port 25 timed out

You may need to change the port setting on an outgoing mail server for one of your email accounts. For information, go to www.apple.com/support/iphone and search for "I can receive email on iPhone but can't send it."

If you entered information on iPhone that you don't want to sync to your computer

Replace contacts, calendars, mail accounts, or bookmarks on iPhone with information from your computer.

1. Open iTunes.
2. As you connect iPhone to your computer, press and hold Command-Option (if you're using a Mac) or Shift-Control (if you're using a PC) until you see iPhone in the iTunes Source pane. This prevents iPhone from syncing automatically.
3. Select iPhone in the iTunes Source pane and click the Info tab.
4. Under "Replace information on this iPhone," select Contacts, Calendars, Mail Accounts, or Bookmarks. You can select more than one, if you like.
5. Click Apply.

Information of the selected type is erased from iPhone and replaced with what's on your computer. The next time you sync, iPhone syncs normally, adding information you've entered on iPhone to your computer, and vice versa.

If you can't sync with Yahoo! Address Book

iTunes may not be able to connect with Yahoo!. Make sure you are connected to the Internet, and that you've entered the correct Yahoo! ID and password in iTunes. Connect iPhone to your computer, click the Info tab in iTunes, click Configure in the Contacts section, then enter your current Yahoo! ID and password.

If contacts you deleted on iPhone or your computer are not removed from Yahoo! Address Book after syncing

Yahoo! Address Book does not allow contacts containing a Messenger ID to be deleted through syncing. To delete a contact containing a Messenger ID, log in to your Yahoo! account online and delete the contact using Yahoo! Address Book.

If you can't access the iTunes Wi-Fi Music Store

To use the iTunes Wi-Fi Music Store, iPhone must join a Wi-Fi network that is connected to the Internet. For information about joining a Wi-Fi network, see page 25. The iTunes Wi-Fi Music Store is not available in all countries.

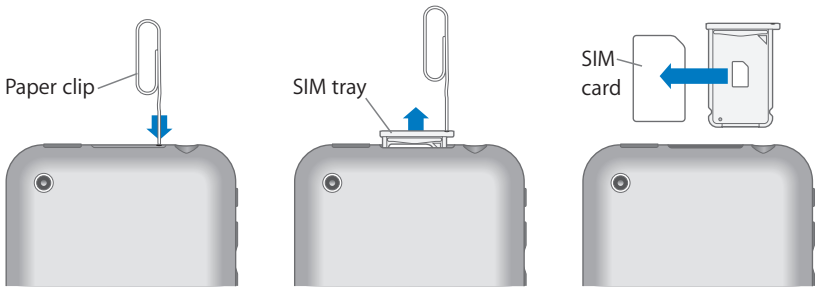
If you can't purchase music from the iTunes Wi-Fi Music Store
To purchase songs from the iTunes Wi-Fi Music Store (only available in some countries), you must have an iTunes Store account, and you must have been signed in to that account when you last synced iPhone with iTunes. If you get a message that no account information is found when you try to purchase music, open iTunes on your computer, sign in to your iTunes Store account, then connect and sync iPhone.

If you can't make a call or send a text message over Wi-Fi
iPhone doesn't support calling or texting over Wi-Fi.

Removing the SIM Card

If you need to send your iPhone in for service or if you want to loan your iPhone to someone and you still want to be able to make calls, you may be able to use the SIM card inside iPhone with another GSM phone.

Remove the SIM card
Insert the end of a small paper clip (or the SIM eject tool if it came with your iPhone) into the hole on the SIM tray. Press firmly and push it straight in until the tray pops out.



Updating and Restoring iPhone Software

You can use iTunes to update or restore iPhone software. You should always update iPhone to use the latest software. You can also restore the software, which returns iPhone to its original state.

- *If you update,* the iPhone software is updated but your settings and songs are not affected.
- *If you restore,* all data is erased from iPhone, including songs, videos, contacts, photos, calendar information, and any other data. All iPhone settings are restored to their original state.

Update or restore iPhone

1. Make sure you have an Internet connection and have installed the latest version of iTunes from www.apple.com/itunes.
2. Connect iPhone to your computer.
3. In iTunes, select iPhone in the Source pane and click the Summary tab.
4. Click "Check for Update." iTunes tells you if there's a newer version of the iPhone software available.
5. Click Update to install the latest version of the software. Or click Restore to restore iPhone to its original settings and erase all data on iPhone. Follow the onscreen instructions to complete the restore process.

Using iPhone Accessibility Features

The following features may make it easier for you to use iPhone if you have a disability.

TTY support (available in some areas)

Use iPhone in TTY mode with the iPhone TTY Adapter (available separately) to use a Teletype (TTY) machine. See "Using iPhone with a Teletype (TTY) Machine" on page 102.

Closed captioning

When available, you can turn on closed captioning for videos. See "Turn closed captioning on or off" on page 105.

Minimum font size for Mail messages

Set a minimum font size for Mail message text to Large, Extra Large, or Giant to increase readability. See "Set a minimum font size for messages" on page 101.

Large keypad

Make phone calls simply by tapping entries in your contacts and favorites lists. When you need to dial a number, iPhone's large numeric keypad makes it easy. See "Dial a call" on page 30.

Zooming

Double-tap or pinch webpages, photos, and maps to zoom in. See page 20.

Visual voicemail

The play and pause controls in visual voicemail let you control the playback of messages. Drag the playhead on the scrubber bar to repeat a portion of the message that is hard to understand. See "Listen to a new voicemail message" on page 35.

Universal Access in Mac OS X

Take advantage of the Universal Access features in Mac OS X when you use iTunes to sync information and content from your iTunes library to iPhone. In the Finder, choose Help > Mac Help, then search for "universal access."

For more information about iPhone and Mac OS X accessibility features, go to: www.apple.com/accessibility

Learning More, Service, and Support

B

There's more information about using iPhone, in onscreen help and on the web.

The following table describes where to get more iPhone-related software and service information.

To learn about	Do this
Using iPhone safely	Go to www.apple.com/support/manuals/iphone for the latest *Important Product Information Guide*, including any updates to the safety and regulatory information.
iPhone Service and support, tips, forums, and Apple software downloads	Go to www.apple.com/support/iphone.
Service and support for your carrier	Contact your carrier or go to your carrier's website.
The latest information about iPhone	Go to www.apple.com/iphone.
Using iTunes	Open iTunes and choose Help > iTunes Help. For an online iTunes tutorial (available in some areas only), go to www.apple.com/support/itunes.
Using iPhoto on Mac OS X	Open iPhoto and choose Help > iPhoto Help.
Using Address Book on Mac OS X	Open Address Book and choose Help > Address Book Help.
Using iCal on Mac OS X	Open iCal and choose Help > iCal Help.
Microsoft Outlook, Windows Address Book, Adobe Photoshop Album, and Adobe Photoshop Elements	See the documentation that came with those applications.
Finding your iPhone serial number	Look at the back of your iPhone or choose Settings > General > About from the Home screen.
Obtaining warranty service	First follow the advice in this guide and online resources. Then go to www.apple.com/support or see the *Important Product Information Guide* that comes with iPhone.

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