


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.



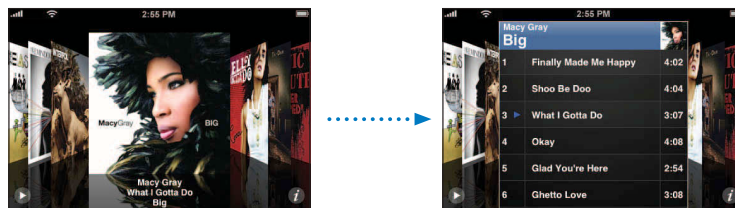
To	Do this
Set iPhone to repeat songs	<p>Tap . Tap  again to set iPhone to repeat only the current song.</p> <p> = iPhone is set to repeat all songs in the current album or list.</p> <p> = iPhone is set to repeat the current song over and over.</p> <p> = iPhone is not set to repeat songs.</p>
Skip to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

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.

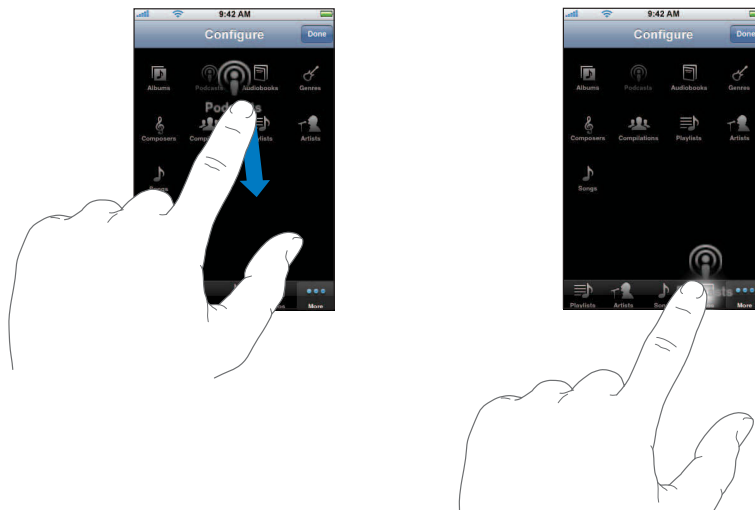
- From the Home screen choose Clock > Timer, then flick to set the number of hours and minutes. Tap When Timer Ends and choose Sleep iPod, tap Set, then tap Start to start the timer.

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.

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.

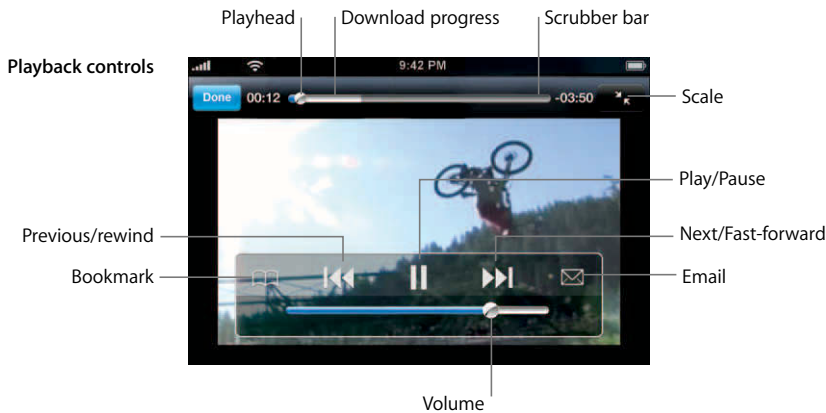
Play a video

- 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 ⓘ!

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:



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 appear 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 °F or °C.

See information about a city at Yahoo.com

- Tap .

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).

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 RSA SecurID 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 you 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.

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 II.

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.

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.



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

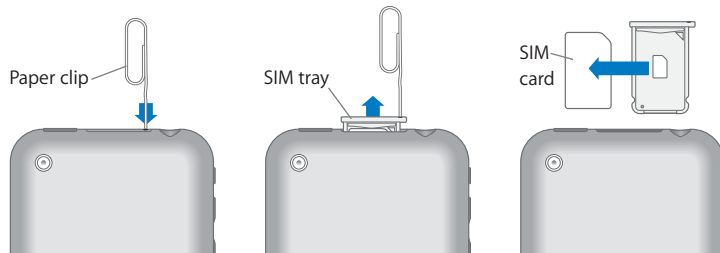
iPhone doesn't support calling or texting over Wi-Fi.

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.