



iPhone User Guide

For iOS 6 Software

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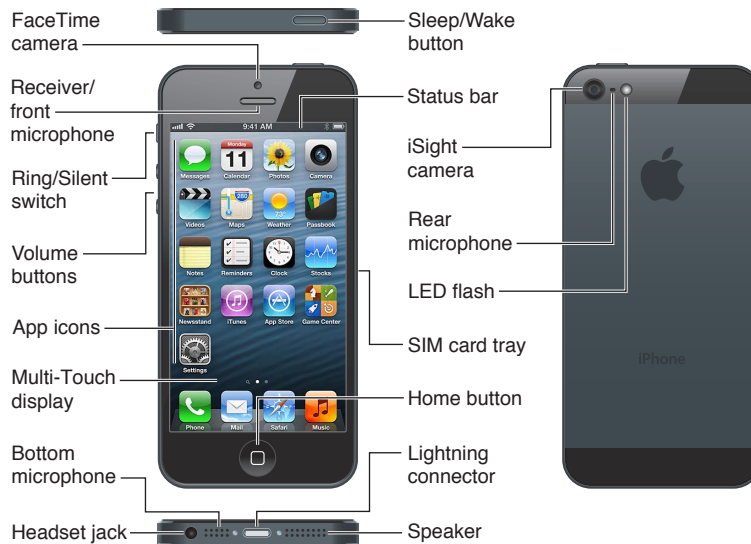
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iPhone at a Glance

1

iPhone 5 overview



Note: iPhone apps and features may vary based on your location, language, carrier, and model of iPhone. Apps that send or receive data over a cellular network may incur additional fees. Contact your carrier for information about your iPhone service plan and fees.

Accessories

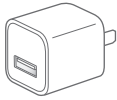
The following accessories are included with iPhone:



Apple headset: Use the Apple EarPods with Remote and Mic (iPhone 5, shown above) or the Apple Earphones with Remote and Mic (iPhone 4S or earlier) to listen to music and videos, and make phone calls. See [Apple headset](#) on page 31.



Connecting cable: Use the Lightning to USB Cable (iPhone 5, shown above) or the Dock Connector to USB Cable (iPhone 4S or earlier) to connect iPhone to your computer to sync and charge. The cable can also be used with the iPhone Dock (sold separately).



Apple USB power adapter: Use with the Lightning to USB Cable or Dock Connector to USB Cable to charge the iPhone battery.



SIM eject tool: Use to eject the SIM card tray. (Not included in all areas.)

Buttons

Sleep/Wake button

When you're not using iPhone, you can lock it to turn off the display and save the battery.

Lock iPhone: Press the Sleep/Wake button.

When iPhone is locked, nothing happens if you touch the screen. iPhone can still receive calls, text messages, and other updates. You can also:

- Listen to music
- Adjust the volume
- Use the center button on your headset to take calls or listen to music



Unlock iPhone: Press the Sleep/Wake button or the Home button , then drag the slider.

Turn iPhone off: Press and hold the Sleep/Wake button for a few seconds until the red slider appears, then drag the slider.

Turn iPhone on: Press and hold the Sleep/Wake button until the Apple logo appears.

Open Camera when iPhone is locked: Press the Sleep/Wake button or the Home button , then drag  up.

Access the audio controls when iPhone is locked: Double-click the Home button .

iPhone locks if you don't touch the screen for a minute or so. You can adjust the auto-lock time (or turn it off), and require a passcode to unlock iPhone.

Adjust the auto-lock timing or turn it off: See [Auto-Lock](#) on page 136.

Require a passcode to unlock iPhone: See [Passcode Lock](#) on page 136.

Home button

The Home button  takes you to the Home screen, no matter what you're doing. It also provides other convenient shortcuts.

Go to the Home screen: Press the Home button .

On the Home screen, tap an app to open it. See [Opening and switching between apps](#) on page 17.

Display recently used apps: With iPhone unlocked, double-click the Home button . The multitasking bar appears at the bottom of the screen, showing the most recently used apps. Swipe the bar to the left to see more apps.

Display audio playback controls:

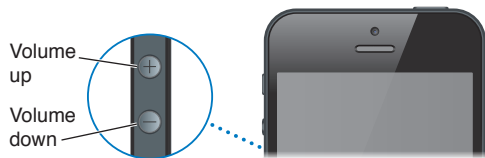
- *When iPhone is locked:* Double-click the Home button . See [Playing music](#) on page 58.
- *When you're using another app:* Double-click the Home button , then swipe the multitasking bar from left to right.

Use Siri (iPhone 4S or later) or Voice Control: Press and hold the Home button . See Chapter 4, [Siri](#), on page 36 and [Voice Control](#) on page 26.

Volume controls

While 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 [Important safety information](#) on page 146.



Lock the ringer and alerts volume: Go to Settings > Sounds and turn off "Change with Buttons."

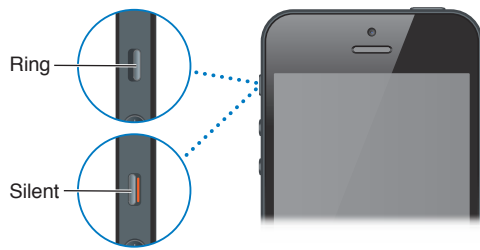
Limit the volume for music and videos: Go to Settings > Music > Volume Limit.

Note: In some countries, iPhone may indicate when you're setting the volume above the European Union hearing safety guidelines. To increase the volume beyond this level, you may need to briefly release the volume control.

You can also use either volume button to take a picture or record a video. See Chapter 12, [Camera](#), on page 74.

Ring/Silent switch

Flip the Ring/Silent switch to put iPhone in ring mode 📞 or silent mode 🔕.



In ring mode, iPhone plays all sounds. In silent mode, iPhone doesn't ring or play alerts and other sound effects.

Important: Clock alarms, audio apps such as Music, and many games still play sounds through the built-in speaker when iPhone is in silent mode. In some areas, the sound effects for Camera and Voice Memos are played even if the Ring/Silent switch is set to silent.

For information about changing sound and vibrate settings, see [Sounds](#) on page 139.

You can also use the Do Not Disturb setting to silence calls, alerts, and notifications.

Set iPhone to Do Not Disturb (🌙): Go to Settings and turn on Do Not Disturb. Do Not Disturb keeps calls, alerts, and notifications from making any sounds or lighting up the screen when the screen is locked. Alarms still sound, however, and if the screen is unlocked, Do Not Disturb has no effect.

To schedule quiet hours, allow certain people to call, or enable repeated calls to ring through, go to Settings > Notifications > Do Not Disturb. See [Do Not Disturb and Notifications](#) on page 132.

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 cellular 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 Airplane mode on page 130.
LTE	LTE	Shows that your carrier's LTE network is available, and iPhone can connect to the Internet over that network. (iPhone 5. Not available in all areas.) See Cellular on page 135.
4G	UMTS	Shows that your carrier's 4G UMTS (GSM) network is available, and iPhone can connect to the Internet over that network. (iPhone 4S or later. Not available in all areas.) See Cellular on page 135.
3G	UMTS/EV-DO	Shows that your carrier's 3G UMTS (GSM) or EV-DO (CDMA) network is available, and iPhone can connect to the Internet over that network. See Cellular on page 135.
E	EDGE	Shows that your carrier's EDGE (GSM) network is available, and iPhone can connect to the Internet over that network. See Cellular on page 135.

Status icon		What it means
	GPRS/1xRTT	Shows that your carrier's GPRS (GSM) or 1xRTT (CDMA) network is available, and iPhone can connect to the Internet over that network. See Cellular on page 135.
	Wi-Fi*	Shows that iPhone is connected to the Internet over a Wi-Fi network. The more bars, the stronger the connection. See Wi-Fi on page 130.
	Do Not Disturb	Shows that "Do Not Disturb" is turned on. See Sounds on page 139.
	Personal Hotspot	Shows that iPhone is connected to another iPhone providing a Personal Hotspot. See Personal Hotspot on page 132.
	Syncing	Shows that iPhone is syncing with iTunes.
	Network activity	Shows network activity. Some third-party apps may also use the icon to show an active process.
	Call Forwarding	Shows that Call Forwarding is set up on iPhone. See Call forwarding, call waiting, and caller ID on page 49.
	VPN	Shows that you're connected to a network using VPN. See Cellular on page 135.
	Lock	Shows that iPhone is locked. See Sleep/Wake button on page 8.
	TTY	Shows that iPhone is set to work with a TTY machine. See TTY support on page 129.
	Play	Shows that a song, audiobook, or podcast is playing. See Playing music on page 58.
	Portrait orientation lock	Shows that the iPhone screen is locked in portrait orientation. See Portrait and landscape orientation on page 19.
	Alarm	Shows that an alarm is set. See Chapter 19, Clock , on page 90.
	Location Services	Shows that an item is using Location Services. See Privacy on page 140.
	Bluetooth*	<i>Blue or white icon:</i> Bluetooth is on and paired with a device. <i>Gray icon:</i> Bluetooth is on and paired with a device, but the device is out of range or turned off. <i>No icon:</i> Bluetooth is not paired with a device. See Bluetooth devices on page 32.
	Bluetooth battery	Shows the battery level of a supported paired Bluetooth device.
	Battery	Shows battery level or charging status. See Battery on page 34.

* **Accessories and wireless performance:** The use of certain accessories with iPhone may affect wireless performance. Not all iPod accessories are fully compatible with iPhone. Turning on airplane mode on iPhone may eliminate audio interference between iPhone and an accessory. While airplane mode is on, you cannot make or receive calls or use features that require wireless communication. Reorienting or relocating iPhone and the connected accessory may improve wireless performance.

Getting Started

2



WARNING: To avoid injury, read [Important safety information](#) on page 146 before using iPhone.

What you need

To use iPhone, you need:

- A wireless service plan with a carrier that provides iPhone service in your area
- An Internet connection for your computer (broadband is recommended)
- An Apple ID for some features, including iCloud, the App Store and iTunes Store, and online purchases. An Apple ID can be created during setup.

To use iPhone with your computer, you need:

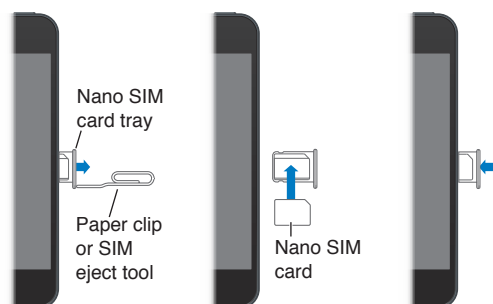
- A Mac with a USB 2.0 or 3.0 port, or a PC with a USB 2.0 port, and one of the following operating systems:
 - Mac OS X version 10.6.8 or later
 - Windows 7, Windows Vista, or Windows XP Home or Professional with Service Pack 3 or later
- iTunes 10.7 or later (for some features), available at www.itunes.com/download

Installing the SIM card

If you were given a SIM card to install, install it before setting up iPhone.

Important: A SIM card is required in order to use cellular services when connecting to GSM networks and some CDMA networks. An iPhone 4S or later that's been activated on a CDMA wireless network may also use a SIM card for connecting to a GSM network, primarily for international roaming. Your iPhone is subject to your wireless service provider's policies, which may include restrictions on switching service providers and roaming, even after conclusion of any required minimum service contract. Contact your wireless service provider for more details. Availability of cellular capabilities depends on the wireless network.

Installing the SIM Card in iPhone 5



Install the SIM card: Insert the end of a small paper clip or SIM eject tool into the hole on the SIM card tray. Pull out the SIM card tray and place the SIM card in the tray as shown. With the tray aligned and the SIM card on top, carefully replace the tray.

Setting up and activating iPhone

To set up and activate iPhone, turn on iPhone and follow the Setup Assistant. The Setup Assistant steps you through the setup process, including connecting to a Wi-Fi network, signing in with or creating a free Apple ID, setting up iCloud, turning on recommended features such as Location Services and Find My iPhone, and activating iPhone with your carrier. You can also restore from an iCloud or iTunes backup during setup.

Activation can be done over a Wi-Fi network or, with iPhone 4S or later, over your carrier's cellular network (not available in all areas). If neither option is available, you need to connect iPhone to your computer running iTunes for activation.

Connecting iPhone to your computer

You may need to connect iPhone to your computer in order to complete activation. Connecting iPhone to your computer also lets you sync information, music, and other content with iTunes. See [Syncing with iTunes](#) on page 16.

Connect iPhone to your computer: Use the Lightning to USB Cable (iPhone 5) or Dock Connector to USB Cable (earlier iPhone models) provided with iPhone.



Connecting to the Internet

iPhone connects to the Internet whenever necessary, using a Wi-Fi connection (if available) or your carrier's cellular network. For information about connecting to a Wi-Fi network, see [Wi-Fi](#) on page 130.

Note: If a Wi-Fi connection to the Internet isn't available, some iPhone apps and services may transfer data over your carrier's cellular network, which may result in additional fees. Contact your carrier for information about your cellular data plan rates. To manage cellular data usage, see [Cellular](#) on page 135.

Setting up mail and other accounts

iPhone works with iCloud, Microsoft Exchange, and many of the most popular Internet-based mail, contacts, and calendar service providers.

If you don't already have a mail account, you can set up a free iCloud account when you first set up iPhone, or later in Settings > iCloud. See [iCloud](#) on page 15.

Set up an iCloud account: Go to Settings > iCloud.

Set up some other account: Go to Settings > Mail, Contacts, Calendars.

You can add contacts using an LDAP or CardDAV account, if your company or organization supports it. See [Adding contacts](#) on page 101.

You can add calendars using a CalDAV calendar account, and you can subscribe to iCalendar (.ics) calendars or import them from Mail. See [Working with multiple calendars](#) on page 68.

Apple ID

An Apple ID is the user name for a free account that lets you access Apple services, such as the iTunes Store, the App Store, and [iCloud](#). You need only one Apple ID for everything you do with Apple. There may be charges for services and products that you use, purchase, or rent.

If you have an Apple ID, use it when you first set up iPhone, and whenever you need to sign in to use an Apple service. If you don't already have an Apple ID, you can create one whenever you're asked to sign in.

For more information, see support.apple.com/kb/he37.

Managing content on your iOS devices

You can transfer information and files between your iOS devices and computers using either iCloud or iTunes.

- *iCloud* stores content such as music, photos, calendars, contacts, documents, and more, and wirelessly pushes it to your other iOS devices and computers, keeping everything up to date. See [iCloud](#) below.
- *iTunes* syncs music, video, photos, and more, between your computer and iPhone. Changes you make on one device are copied to the other when you sync. You can also use iTunes to copy a file to iPhone for use with an app, or to copy a document you've created on iPhone to your computer. See [Syncing with iTunes](#) on page 16.

You can use iCloud or iTunes, or both, depending on your needs. For example, you can use iCloud Photo Stream to automatically get photos you take on iPhone to your other devices, and use iTunes to sync photo albums from your computer to iPhone.

Important: Don't sync items in the Info pane of iTunes (such as contacts, calendars, and notes) and also use iCloud to keep that information up to date on your devices. Otherwise, duplicated data may result.

iCloud

iCloud stores your content, including music, photos, contacts, calendars, and supported documents. Content stored in iCloud is pushed wirelessly to your other iOS devices and computers set up with the same iCloud account.

iCloud is available on devices with iOS 5 or later, on Mac computers with OS X Lion v10.7.2 or later, and on PCs with the iCloud Control Panel for Windows (Windows Vista Service Pack 2 or Windows 7 required).

iCloud features include:

- *iTunes in the Cloud*—Download previous iTunes music and TV show purchases to iPhone for free, anytime.
- *Apps and Books*—Download previous App Store and iBookstore purchases to iPhone for free, anytime.
- *Photo Stream*—Photos you take appear on all your devices. You can also create photo streams to share with others. See [Photo Stream](#) on page 71.
- *Documents in the Cloud*—For iCloud-enabled apps, keep documents and app data up to date across all your devices.
- *Mail, Contacts, Calendars*—Keep your mail contacts, calendars, notes, and reminders up to date across all your devices.
- *Backup*—Back up iPhone to iCloud automatically when connected to power and Wi-Fi. See [Backing up iPhone](#) on page 150.
- *Find My iPhone*—Locate your iPhone on a map, display a message, play a sound, lock the screen, or remotely wipe the data. See [Find My iPhone](#) on page 34.
- *Find My Friends*—Share your location with people who are important to you. Download the free app from the App Store.
- *iTunes Match*—With an iTunes Match subscription, all your music—including music you’ve imported from CDs or purchased somewhere other than iTunes—appears on all of your devices and can be downloaded and played on demand. See [iTunes Match](#) on page 62.
- *iCloud Tabs*—See the webpages you have open on your other iOS devices and OS X computers. See Chapter 7, [Safari](#), on page 55.

With iCloud, you get a free email account and 5 GB of storage for your mail, documents, and backups. Your purchased music, apps, TV shows, and books, as well as your photo streams, don’t count against your free space.

Sign in or create an iCloud account, and set iCloud options: Go to Settings > iCloud.

Purchase additional iCloud storage: Go to Settings > iCloud > Storage & Backup, then tap Manage Storage. For information about purchasing iCloud storage, go to help.apple.com/icloud.

View and download previous purchases:

- *iTunes Store purchases:* Go to iTunes, tap More, then tap Purchased.
- *App Store purchases:* Go to App Store, tap Updates, then tap Purchased.
- *iBookstore purchases:* Go to iBooks, tap Store, then tap Purchased.

Turn on Automatic Downloads for music, apps, or books: Go to Settings > iTunes & App Stores.

For more information about iCloud, go to www.apple.com/icloud. For support information, go to www.apple.com/support/icloud.

Syncing with iTunes

Syncing with iTunes copies information from your computer to iPhone, and vice versa. You can sync by connecting iPhone to your computer, or you can set up iTunes to sync wirelessly with Wi-Fi. You can set iTunes to sync music, photos, videos, podcasts, apps, and more. For information about syncing iPhone with your computer, open iTunes, then choose iTunes Help from the Help menu.

Set up wireless iTunes syncing: Connect iPhone to your computer. In iTunes on the computer, select your iPhone (under Devices), click Summary, then turn on “Sync over Wi-Fi connection.”

When Wi-Fi syncing is turned on, iPhone syncs every day. iPhone must be connected to a power source, iPhone and your computer must both be on the same wireless network, and iTunes must be open on your computer. For more information, see [iTunes Wi-Fi Sync](#) on page 136.

Tips for syncing with iTunes

- If you use iCloud to store your contacts, calendars, bookmarks, and notes, don’t also sync them to your device using iTunes.
- Purchases you make from the iTunes Store or the App Store on iPhone are synced back to your iTunes library. You can also purchase or download content and apps from the iTunes Store on your computer, and then sync them to iPhone.
- In the device’s Summary pane, you can set iTunes to automatically sync when your device is attached to your computer. To temporarily override this setting, hold down Command and Option (Mac) or Shift and Control (PC) until you see iPhone appear in the sidebar.
- In the device’s Summary pane, select “Encrypt iPhone backup” if you want to encrypt the information stored on your computer when iTunes makes a backup. Encrypted backups are indicated by a lock icon , and a separate password is required to restore the backup. If you don’t select this option, other passwords (such as those for mail accounts) aren’t included in the backup and will have to be reentered if you use the backup to restore the device.
- In the device’s Info pane, when you sync mail accounts, only the settings are transferred from your computer to iPhone. Changes you make to an email account on iPhone don’t affect the account on your computer.
- In the device’s Info pane, click Advanced to select options to let you *replace* the information on iPhone with the information from your computer during the next sync.
- If you listen to part of a podcast or audiobook, the place you left off is included if you sync the content with iTunes. If you started listening on iPhone, you can pick up where you left off using iTunes on your computer—or vice versa.
- In the device’s Photo pane, you can sync photos and videos from a folder on your computer.

Viewing this user guide on iPhone

You can view the *iPhone User Guide* on iPhone in Safari, and in the free iBooks app.

View the user guide in Safari: Tap , then tap the iPhone User Guide bookmark.

- *Add an icon for the guide to the Home screen:* Tap , then tap “Add to Home Screen.”
- *View the guide in a different language:* Tap “Change Language” on the main contents page.

View the user guide in iBooks: If you haven’t installed iBooks, open App Store, then search for and install “iBooks.” Open iBooks and tap Store. Search for “iPhone User,” then select and download the guide.

For more information about iBooks, see Chapter 30, [iBooks](#), on page 109.

Basics

3

Using apps

You interact with iPhone using your fingers to tap, double-tap, swipe, and pinch objects on the touchscreen.

Opening and switching between apps

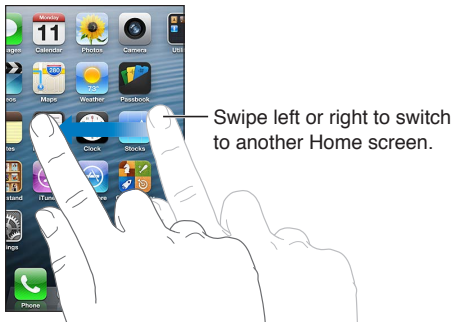
To go to the Home screen, press the Home button .

Open an app: Tap it.



To return to the Home screen, press the Home button  again.

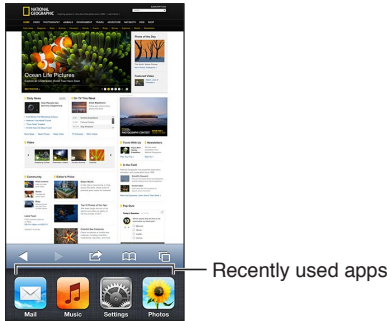
See another Home screen: Swipe left or right.



Go to the first Home screen: Press the Home button .

View recently used apps: Double-click the Home button  to reveal the multitasking bar.

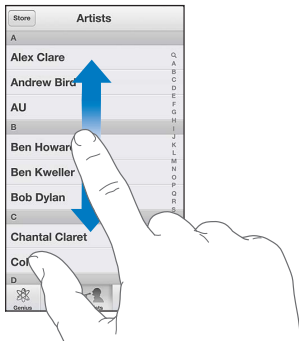
Tap an app to use it again. Swipe left to see more apps.



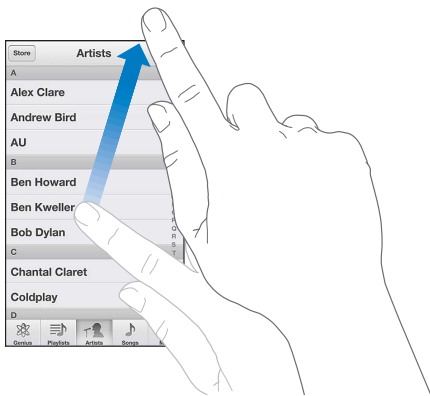
If you have a lot of apps, you might want to use Spotlight to locate and open them. See [Searching](#) on page 27.

Scrolling

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.



Click to scroll quickly.



You can wait for the scrolling to come to a stop, or touch the screen to stop it immediately.

To quickly scroll to the top of a page, tap the status bar at the top of the screen.

Lists

Depending on the list, choosing an item can do different things—for example, it may open another list, play a song, open an email, or show someone's contact information.

Choose an item in a list: Tap it.

Some lists have an index along the side to help you navigate quickly.



Drag your finger along the index to scroll quickly. Tap a letter to jump to a section.

Return to a previous list: Tap the back button in the upper-left corner.

Zooming in or out

Depending on the app, you may be able to zoom in to enlarge, or zoom out to reduce the image on the screen. When viewing photos, webpages, mail, or maps, for example, pinch two fingers together to zoom out or spread them apart to zoom in. For photos and webpages, you can also 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.



Zoom is also an accessibility feature that lets you magnify the screen with any app you're using, to help you see what's on the display. See [Zoom](#) on page 125.

Portrait and landscape orientation

You can view many iPhone apps in either portrait or landscape orientation. Rotate iPhone and the display rotates too, adjusting to fit the new orientation.



Lock the screen in portrait orientation: Double-click the Home button , swipe the multitasking bar from left to right, then tap .



The orientation lock icon  appears in the status bar when the screen orientation is locked.

Adjusting brightness

You can manually adjust the brightness of the screen, or turn on Auto-Brightness to have iPhone use the built-in ambient light sensor to automatically adjust the brightness.

Adjust the screen brightness: Go to Settings > Brightness & Wallpaper, then drag the slider.

Turn Auto-Brightness on or off: Go to Settings > Brightness & Wallpaper.

See [Brightness & Wallpaper](#) on page 139.

Customizing iPhone

You can customize the layout of your apps on the Home screen, organize them in folders, and change the wallpaper.

Rearranging apps

Customize your Home screen by rearranging apps, moving apps to the Dock along the bottom of the screen, and creating additional Home screens.

Rearrange apps: Touch and hold any app on the Home screen until it jiggles, then move apps around by dragging them. Press the Home button  to save your arrangement.



Create a new Home screen: While arranging apps, drag an app to the right edge of the rightmost screen, until a new screen appears.

You can create up to 11 Home screens. The dots above the Dock show the number of screens you have, and which screen you're viewing.

Swipe left or right to switch between screens. To go to the first Home screen, press the Home button .

Move an app to another screen: While it's jiggling, drag an app to the side of the screen.

Customize the Home screen using iTunes: Connect iPhone to your computer. In iTunes on your computer, select iPhone, then click the Apps button to see the image of the iPhone Home screen.

Reset the Home screen to its original layout: In Settings, go to General > Reset, then tap Reset Home Screen Layout. Resetting the Home screen removes any folders you've created and applies the default wallpaper to your Home screen.

Organizing with folders

You can use folders to organize the apps on your Home screens. Rearrange folders—just as you do apps—by dragging them around your Home screens or to the Dock.

Create a folder: Touch an app until the Home screen icons begin to jiggle, then drag the app onto another.



iPhone creates a new folder that includes the two apps, and names the folder based on the type of apps. To enter a different name, tap the name field.



Open a folder: Tap the folder. To close a folder, tap outside the folder, or press the Home button .

Organize with folders: While arranging apps (the icons are jigging):

- *Add an app to a folder:* Drag the app onto the folder.
- *Remove an app from a folder:* Open the folder if necessary, then drag the app out.
- *Delete a folder:* Move all apps out of the folder. The folder is automatically deleted.
- *Rename a folder:* Tap to open the folder, then tap the name and enter a new one.

When you finish, press the Home button .

Changing the wallpaper

You can customize both the Lock screen and the Home screen by choosing an image or photo to use as wallpaper. Choose one of the supplied images, or a photo from your Camera Roll or another album on iPhone.

Change the wallpaper: Go to Settings > Brightness & Wallpaper.

Typing

The onscreen keyboard lets you type when you need to enter text.

Entering text

Use the onscreen keyboard to enter text, such as contact information, mail, and web addresses. Depending on the app and the language you're using, the keyboard may correct misspellings, predict what you're typing, and even learn as you use it.

You can also use an Apple Wireless Keyboard to type. See [Apple Wireless Keyboard](#) on page 24. To use dictation instead of typing, see [Dictation](#) on page 25.

Enter text: Tap a text field to bring up the keyboard, then 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 isn't entered until you release your finger from the key.



- *Type uppercase:* Tap the Shift key ⇧ before tapping a letter. Or touch and hold the Shift key, then slide to a letter.
- *Quickly type a period and space:* Double-tap the space bar.
- *Turn on caps lock:* Double-tap the Shift key ⇧. To turn caps lock off, tap the Shift key.
- *Enter numbers, punctuation, or symbols:* Tap the Number key 123. To see additional punctuation and symbols, tap the Symbol key #+=.
- *Enter accented letters or other alternate characters:* Touch and hold a key, then slide to choose one of the options.



To type an alternate character, touch and hold a key, then slide to choose one of the options.

Set options for typing: Go to Settings > General > Keyboard.

Editing text

If you need to edit text, an onscreen magnifying glass lets you position the insertion point where you need it. You can select text, and cut, copy, and paste text. In some apps, you can also cut, copy, and paste photos and videos.

Position the insertion point: Touch and hold to bring up the magnifying glass, then drag to position the insertion point.



Select text: Tap the insertion point to display the selection buttons. Tap Select to select the adjacent word, or tap Select All to select all text.

You can also double-tap a word to select it. Drag the grab points to select more or less text. In read-only documents, such as webpages, touch and hold to select a word.



Cut or copy text: Select text, then tap Cut or Copy.

Paste text: Tap the insertion point, then tap Paste to insert the last text that you cut or copied. To replace text, select it before tapping Paste.

Undo the last edit: Shake iPhone, then tap Undo.

Make text bold, italic, or underlined: Select text, tap ►, then tap B/I/U (not always available).

Get the definition of a word: Select the word, then tap Define (not always available).

Get alternative words: Select a word, then tap Suggest (not always available).

Auto-correction and spell checking

For many languages, iPhone uses the active dictionary to correct misspellings or make suggestions as you type. When iPhone suggests a word, you can accept the suggestion without interrupting your typing. For a list of supported languages, see www.apple.com/iphone/specs.html.

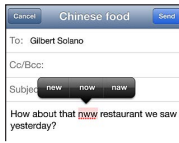


Accept the suggestion: Type a space, punctuation mark, or return character.

Reject a suggestion: Tap the “x” next to the suggestion.

Each time you reject a suggestion for the same word, iPhone becomes more likely to accept the word.

iPhone may also underline words you've already typed that might be misspelled.



Replace a misspelled word: Tap the underlined word, then tap the correct spelling. If the word you want doesn't appear, just retype it.

Turn auto-correction or spell checking on or off: Go to Settings > General > Keyboard.

Shortcuts and your personal dictionary

Shortcuts lets you type just a few characters instead of a longer word or phrase. The expanded text appears whenever you type the shortcut. For example, the shortcut “omw” expands to “On my way!”

Create a shortcut: Go to Settings > General > Keyboard, then tap Add New Shortcut.

Prevent iPhone from trying to correct a word or phrase: Create a shortcut, but leave the Shortcut field blank.

Edit a shortcut: Go to Settings > General > Keyboard, then tap the shortcut.

Use iCloud to keep your personal dictionary up to date on your other iOS devices: Go to Settings > iCloud and turn on “Documents & Data.”

Keyboard layouts

You can use Settings to set the layouts for the onscreen keyboard or for an Apple Wireless Keyboard that you use with iPhone. The available layouts depend on the keyboard language. See [Apple Wireless Keyboard](#) below and Appendix B, [International Keyboards](#), on page 143.

Select keyboard layouts: Go to Settings > General > International > Keyboards, select a language, then choose the layouts.

Apple Wireless Keyboard

You can use an Apple Wireless Keyboard (available separately) for typing on iPhone. The Apple Wireless Keyboard connects via Bluetooth, so you must first pair it with iPhone. See [Pairing Bluetooth devices](#) on page 32.

Once the keyboard is paired, it connects whenever the keyboard is within range of iPhone—up to about 33 feet (10 meters). When a wireless keyboard is connected, the onscreen keyboard doesn't appear when you tap a text field. To save the battery, turn off the keyboard when not in use.

Switch the language when using a wireless keyboard: Press Command–Space bar to display a list of available languages. Press the Space bar again while holding down the Command key to choose a different language.

Turn off a wireless keyboard: Hold down the power button on the keyboard until the green light goes off.

iPhone disconnects the keyboard when the keyboard is turned off or out of range.

Unpair a wireless keyboard: Go to Settings > Bluetooth, tap  next to the keyboard name, then tap “Forget this Device.”

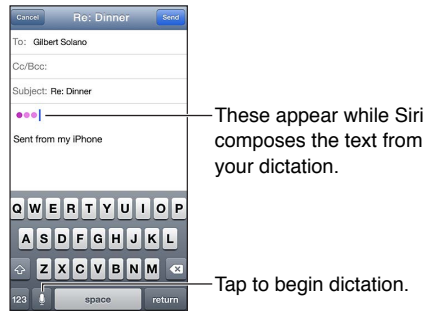
Dictation

On iPhone 4S or later, you can dictate text instead of typing. To use dictation, Siri must be turned on and iPhone must be connected to the Internet. You can include punctuation and give commands to format your text.

Note: Cellular data charges may apply.

Turn on dictation: Go to Settings > General > Siri, then turn on Siri.

Dictate text: From the onscreen keyboard, tap , then speak. When you finish, tap Done.



To add text, tap  again and continuing dictating. To insert text, tap to place the insertion point first. You can also replace selected text by dictating.

You can bring iPhone to your ear to start dictation, instead of tapping  on the keyboard. To finish, move iPhone back down in front of you.

Add punctuation or format text: Say the punctuation or formatting command.

For example, “Dear Mary comma the check is in the mail exclamation mark” results in “Dear Mary, the check is in the mail!”

Punctuation and formatting commands include:

- quote ... end quote
- new paragraph
- cap—to capitalize the next word
- caps on ... caps off—to capitalize the first character of each word
- all caps—to make the next word all uppercase
- all caps on ... all caps off—to make the enclosed words all uppercase
- no caps on ... no caps off—to make the enclosed words all lowercase
- no space on ... no space off—to run a series of words together
- smiley—to insert :-)
- frowny—to insert :-(
- winky—to insert ;-)

Voice Control

Voice Control lets you make phone calls and control music playback using voice commands. On iPhone 4S or later, you can also use Siri to control iPhone by voice. See Chapter 4, [Siri](#), on page 36.

Note: Voice Control and Voice Control settings are not available when Siri is turned on.



Use Voice Control: Press and hold the Home button  until the Voice Control screen appears and you hear a beep. You can also press and hold the center button on your headset. See [Apple headset](#) on page 31.

For best results:

- Speak clearly and naturally.
- Say only iPhone commands, names, and numbers. Pause slightly between commands.
- Use full names.

Voice Control normally expects you to speak voice commands in the language that's set for iPhone (in Settings > General > International > Language). Voice Control settings let you change the language for speaking voice commands. Some languages are available in different dialects or accents.

Change the language or country: Go to Settings > General > International > Voice Control, then tap the language or country.

Voice Control for the Music app is always on, but you can prevent voice dialing when iPhone is locked.

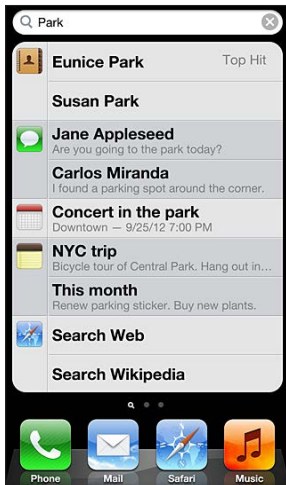
Prevent voice dialing when iPhone is locked: Go to Settings > General > Passcode Lock, then turn off Voice Dial (available only when Siri is turned off in Settings > General > Siri). To use voice dialing, you must first unlock iPhone.

For specific commands, see [Making calls](#) on page 43 and [Siri and Voice Control](#) on page 62.

For more about using Voice Control, including information about using Voice Control in different languages, go to support.apple.com/kb/HT3597.

Searching

You can search many of the apps on iPhone, as well as Wikipedia and the web. Search an individual app, or search all the apps at once using Spotlight. Spotlight also searches the names of apps on iPhone—if you have a lot of apps, you might want to use Spotlight to locate and open them.



Search an individual app: Enter text in the search field.

Search iPhone using Spotlight: Swipe right from your first Home screen, or press the Home button  from any Home screen. Enter text in the search field.

Search results appear as you type. To dismiss the keyboard and see more results, tap Search. Tap an item in the list to open it. The icons let you know which apps the results are from.

iPhone may display a top hit for you, based on previous searches.

Spotlight searches the following:

- Contacts—All content
- Apps—Titles
- Music—Names of songs, artists, and albums, and the titles of podcasts and videos
- Podcasts—Titles
- Videos—Titles
- Audiobooks—Titles
- Notes—Text of notes
- Calendar (Events)—Event titles, invitees, locations, and notes
- Mail—To, From, and Subject fields of all accounts (the text of messages isn't searched)
- Reminders—Titles
- Messages—Names and text of messages

Search the web or Wikipedia from Spotlight: Scroll to the bottom of the search results, then tap Search Web or Search Wikipedia.

Open an app from Search: Enter all or part of the app name, then tap the app.

Choose which items are searched, and the order they're searched: Go to Settings > General > Spotlight Search.

Notifications

To help make sure you don't miss important events, many iPhone apps can provide alerts. An alert can appear briefly as a banner at the top of the screen, which goes away if you don't respond to it, or as a notice in the center of the screen that remains until you acknowledge it. Some apps can also display badges on their icons on the Home screen, to let you know how many new items await—for example, how many new email messages you have. If there's a problem—such as a message that couldn't be sent—an exclamation mark  appears on the badge. A numbered badge on a folder shows the total number of alerts for all the apps in the folder.



Alerts can also appear on the Lock screen.

Respond to an alert when iPhone is locked: Swipe the alert from left to right.

Notification Center displays all your alerts in one place. So if you weren't able to respond when you first received an alert, you can respond to them in Notification Center when you're ready.

Alerts can include:

- Missed phone calls and voice messages
- New email
- New text messages
- Reminders
- Calendar events
- Friend requests (Game Center)

You can also get the local weather, and display your personal stock ticker. If you've signed in to your Twitter and Facebook accounts, you can tweet and post to those accounts from Notification Center.



View Notification Center: Swipe down from the top of the screen. Scroll the list to see additional alerts.

- *Respond to an alert:* Tap it.
- *Remove an alert:* Tap , then tap Clear.

Manage alerts for your apps: Go to Settings > Notifications. See [Do Not Disturb and Notifications](#) on page 132.

Choose alert sounds, adjust the alert volume, or turn vibrate on or off: Go to Settings > Sounds.

Sharing

iPhone gives you lots of way to share with other people.

Sharing within apps

In many apps, tapping  displays options for sharing, as well as other actions such as printing or copying. The options vary depending on the app you're using.



Facebook

Sign in to your Facebook account (or create a new account) in Settings to enable posting directly from many of the apps on iPhone.

Sign in to or create a Facebook account: Go to Settings > Facebook.

Post from Notification Center: Tap "Tap to Post."

Post using Siri: Say "Post to Facebook"

Post an item from an app: In most apps, tap . In Maps, tap , tap Share Location, then tap Facebook.

Set options for Facebook: Go to Settings > Facebook to:

- Update Contacts on iPhone with Facebook names and photos
- Allow App Store, Calendar, Contacts, or iTunes to use your account

Install the Facebook app: Go to Settings > Facebook, then tap Install.

Twitter

Sign in to your Twitter account (or create a new account) in Settings to enable Tweets with attachments from many of the apps on iPhone.

Sign in to or create a Twitter account: Go to Settings > Twitter.

Tweet from Notification Center: Tap "Tap to Tweet."

Tweet using Siri: Say "Tweet"

Tweet an item from an app: View the item, tap , then tap Twitter. If  isn't showing, tap the screen. To include your location, tap Add Location.

Tweet a location in Maps: Tap the location pin, tap , tap Share Location, then tap Twitter.

When you're composing a Tweet, the number in the lower-right corner of the Tweet screen shows the number of characters remaining that you can enter. Attachments use some of a Tweet's 140 characters.

Add Twitter user names and photos to your contacts: Go to Settings > Twitter, then tap Update Contacts.

Install the Twitter app: Go to Settings > Twitter, then tap Install.

To learn how to use the Twitter app, open the app, tap Me, then tap Help.

Connecting iPhone to a TV or other device

You can use AirPlay with Apple TV to stream content to an HDTV, or connect iPhone to your TV using cables.

AirPlay

With AirPlay, you can stream music, photos, and video wirelessly to Apple TV and other AirPlay-enabled devices. The AirPlay controls appear when an AirPlay-enabled device is available on the same Wi-Fi network that iPhone is connected to. You can also mirror the contents of your iPhone screen on a TV.

Stream content to an AirPlay-enabled device: Tap , then choose the device.

Access the AirPlay and volume controls while using any app: When the screen is on, double-click the Home button  and scroll to the left end of the multitasking bar.



Switch playback back to iPhone: Tap , then choose iPhone

Mirror the iPhone screen on a TV: Tap  at the left end of the multitasking bar, choose an Apple TV, then tap Mirroring. A blue bar appears at the top of the iPhone screen when AirPlay mirroring is turned on. Everything on the iPhone screen appears on the TV.

Connecting iPhone to a TV using a cable

Apple cables and adapters (available separately) may be used to connect iPhone to a TV, projector, or other external display. For more information, go to support.apple.com/kb/HT4108.

Printing with AirPrint

AirPrint lets you print wirelessly to AirPrint-enabled printers from the following iOS apps:

- Mail—email messages and attachments that can be viewed in Quick Look
- Photos and Camera—photos
- Safari—webpages, PDFs, and other attachments that can be viewed in Quick Look
- iBooks—PDFs
- Maps—the portion of the map showing on the screen
- Notes—the currently displayed note

Other apps available from the App Store may also support AirPrint.

iPhone and the printer must be on the same Wi-Fi network. For more information about AirPrint, go to support.apple.com/kb/HT4356.

Print a document: Tap  or  (depending on the app you're using), then tap Print.

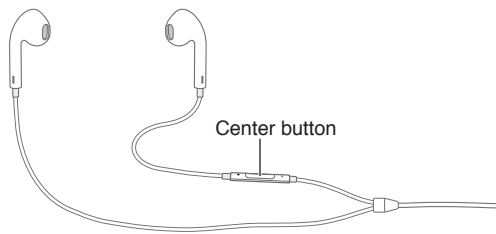
See the status of a print job: Double-click the Home button , then tap Print Center in the multitasking bar. The badge on the icon shows how many documents are ready to print, including the current one.



Cancel a print job: In Print Center, select the print job, if necessary, then tap Cancel Printing.

Apple headset

The Apple EarPods with Remote and Mic (iPhone 5) and the Apple Earphones with Remote and Mic (iPhone 4S or earlier) feature a microphone, volume buttons, and an integrated button that allows you to answer and end calls, and control audio and video playback.



Plug in the headset to listen to music or make a phone call. Press the center button to control music playback and answer or end calls, even when iPhone is locked.

Adjust the volume: Press the **+** or **-** button.

Use the center button to control music playback:

- *Pause a song or video:* Press the center button. Press again to resume playback.
- *Skip to the next song:* Press the center button twice quickly.
- *Return to the previous song:* Press the center button three times quickly.
- *Fast-forward:* Press the center button twice quickly and hold.
- *Rewind:* Press the center button three times quickly and hold.

Use the center button to answer or make phone calls:

- *Answer an incoming call:* Press the center button.
- *End the current call:* Press the center button.
- *Decline an incoming call:* Press and hold the center button for about two seconds, then 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:* Press the center button. Press again to switch back to the first call.
- *Switch to an incoming or on-hold call, and end the current call:* Press and hold the center button for about two seconds, then let go. Two low beeps confirm you ended the first call.

Use Siri or Voice Control: Press and hold the center button.

See Chapter 4, [Siri](#), on page 36 or [Voice Control](#) on page 26.

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

Bluetooth devices

You can use iPhone with the Apple Wireless Keyboard and other Bluetooth devices, such as Bluetooth headsets, car kits, and stereo headphones. For supported Bluetooth profiles, go to support.apple.com/kb/HT3647.

Pairing Bluetooth devices

WARNING: For important information about avoiding hearing loss and avoiding distraction while driving, see [Important safety information](#) on page 146.

Before you can use a Bluetooth device with iPhone, you must first pair them.

Pair a Bluetooth device with iPhone:

- 1 Make the device discoverable.

See the documentation that came with the device. For an Apple Wireless Keyboard, press the power button.

- 2 Go to Settings > Bluetooth and turn Bluetooth on.
- 3 Select the device and, if prompted, enter the passkey or PIN. See the instructions about the passkey or PIN that came with the device.

For information about using an Apple Wireless Keyboard, see [Apple Wireless Keyboard](#) on page 24.

To use a Bluetooth headset with iPhone, see the documentation that came with the device.

Return audio output to iPhone when a Bluetooth headset is connected: Turn off or unpair the device, or turn off Bluetooth in Settings > Bluetooth. Audio output returns to iPhone whenever the device is out of range. You can also use AirPlay  to switch audio output to iPhone. See [AirPlay](#) on page 30.

Bluetooth status

After you pair a device with iPhone, the Bluetooth icon appears in the status bar at the top of the screen:

-  or : Bluetooth is on and paired with a device. (The color depends on the current color of the status bar.)
- : Bluetooth is on and paired with a device, but the device is out of range or turned off.
- *No Bluetooth icon:* Bluetooth is not paired with a device.

Unpairing a Bluetooth device from iPhone

You can unpair a Bluetooth device if you don't want to use it with iPhone any more.

Unpair a Bluetooth device: Go to Settings > Bluetooth and turn on Bluetooth. Tap  next to the device name, then tap "Forget this Device."

File sharing

You can use iTunes to transfer files between iPhone and your computer. You can also view files received as email attachments on iPhone. See [Reading mail](#) on page 51. If you have the same apps that work with iCloud on more than one device, you can use iCloud to automatically keep your documents up to date across all your devices. See [iCloud](#) on page 15.

Transfer files using iTunes: Connect iPhone to your computer using the included cable. In iTunes on your computer, select iPhone, then click the Apps button. Use the File Sharing section to transfer documents between iPhone and your computer. Apps that support file sharing appear in the File Sharing Apps list in iTunes. To delete a file, select the file in the Files list, then press the Delete key.

Security features

Security features help protect the information on iPhone from being accessed by others.

Passcodes and data protection

For security, you can set a passcode that you must enter each time you turn on or wake up iPhone, or when you access the passcode lock settings.

Setting a passcode turns on data protection, which uses your passcode as the key for encrypting mail messages and attachments stored on iPhone. (Some apps available from the App Store may also use data protection.) A notice at the bottom of the Passcode Lock screen in Settings shows that data protection is enabled.

Important: On an iPhone 3GS that didn't ship with iOS 4 or later, you must also restore iOS software to enable data protection. See [Updating and restoring iPhone software](#) on page 152.

Set a passcode: Go to Settings > General > Passcode Lock, then tap Turn Passcode On and enter a 4-digit passcode.

Use a more secure passcode: To increase security, turn off Simple Passcode and use a longer passcode with a combination of numbers, letters, punctuation, and special characters.

To unlock iPhone when it's protected by a combination passcode, you enter the passcode using the keyboard. If you prefer to unlock iPhone using the numeric keypad, you can set up a longer passcode using numbers only.

Prevent access to Siri when iPhone is locked: Go to Settings > General > Passcode Lock, then turn Siri off.

Prevent voice dialing when iPhone is locked: Go to Settings > General > Passcode Lock, then turn Voice Dial off. (Available only when Siri is turned off in Settings > General > Siri.)

See [Passcode Lock](#) on page 136.

Find My iPhone

Find My iPhone can help you locate and secure your iPhone using the free Find My iPhone app on another iPhone, iPad, or iPod touch, or using a Mac or PC web browser signed in to www.icloud.com.

Find My iPhone includes:

- *Play Sound*: Play a sound for two minutes.
- *Lost mode*: You can immediately lock your missing iPhone with a passcode and send it a message displaying a contact number. iPhone also tracks and reports its location, so you can see where it's been when you check the Find My iPhone app.
- *Erase iPhone*: Protects your privacy by erasing all the information and media on your iPhone and restoring iPhone to its original factory settings.

Important: To use these features, Find My iPhone must have been turned on in iCloud settings on your iPhone before it was lost, and iPhone must be connected to the Internet.

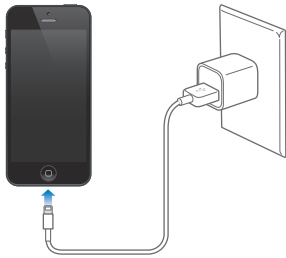
Turn on Find My iPhone: Go to Settings > iCloud, then turn on Find My iPhone.

Battery

iPhone has an internal, lithium-ion rechargeable battery. For more information about the battery—including tips for maximizing battery life—go to www.apple.com/batteries.

WARNING: For important safety information about the battery and charging iPhone, see [Important safety information](#) on page 146.

Charge the battery: Connect iPhone to a power outlet using the included cable and USB power adapter.



Note: Connecting iPhone to a power outlet can start an iCloud backup or wireless iTunes syncing. See [Backing up iPhone](#) on page 150 and [Syncing with iTunes](#) on page 16.

Charge the battery and sync iPhone using a computer: Connect iPhone to your computer using the included cable. Or connect iPhone to your computer using the included cable and the Dock, available separately.

Unless your keyboard has a high-power USB 2.0 or 3.0 port, you must connect iPhone to a USB 2.0 or 3.0 port on your computer.



Important: The iPhone battery may drain instead of charge if iPhone is connected to a computer that's turned off or is in sleep or standby mode.

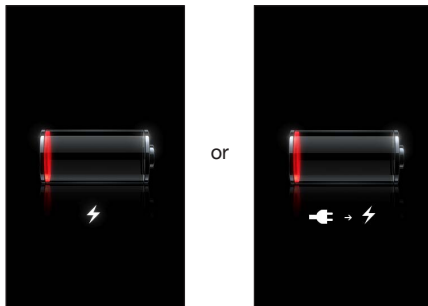
The battery icon in the upper-right corner shows the battery level or charging status.



Display the percentage of battery charge: Go to Settings > General > Usage and turn on the setting under Battery Usage.

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.



Rechargeable batteries have a limited number of charge cycles and may eventually need to be replaced.

Replace the battery: The iPhone battery isn't user replaceable; it can be replaced only by an authorized service provider. See www.apple.com/batteries/replacements.html.

What is Siri?

Siri is the intelligent personal assistant that helps you get things done just by talking. Siri understands natural speech, so you don't have to learn specific commands or remember keywords. You can ask things in different ways. For example, you can say "Set the alarm for 6:30 a.m." or "Wake me at 6:30 in the morning." Either way, Siri gets it.

WARNING: For important information about avoiding distraction while driving, see [Important safety information](#) on page 146.

Note: Siri is available on iPhone 4S or later, and requires Internet access. Cellular data charges may apply.

Siri lets you write and send a message, schedule a meeting, place a phone call, get directions, set a reminder, search the web, and much more—simply by talking naturally. Siri asks a question if it needs clarification or more information. Siri also uses information from your contacts, music library, calendars, reminders, and so forth to understand what you're talking about.

Siri works seamlessly with most of the built-in apps on iPhone, and uses Search and Location Services when needed. You can also ask Siri to open an app for you.

There's so much you can say to Siri—here are some more examples, for starters:

- Call Joe
- Set the timer for 30 minutes
- Directions to the nearest Apple store
- Is it going to rain tomorrow?
- Open Passbook
- Post to Facebook
- Tweet

Using Siri

Starting Siri

Siri comes to life with the press of a button.

Start Siri: Press the Home button  until Siri appears. If you didn't turn Siri on when you set up iPhone, go to Settings > General > Siri.

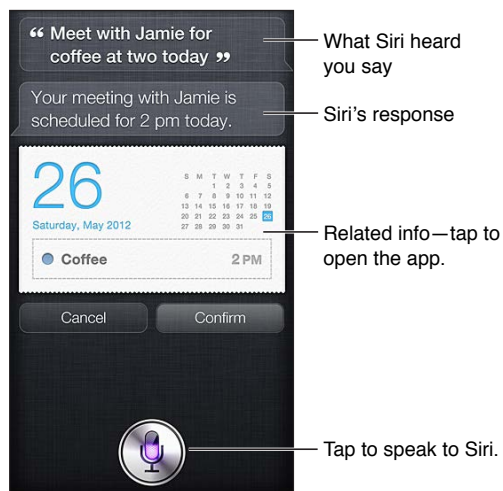
You'll hear two quick beeps and see "What can I help you with?" on the screen.



Just start speaking. The microphone icon lights up to let you know that Siri hears you talking. Once you've started a dialogue with Siri, tap the microphone icon to talk to it again.

Siri waits for you to stop speaking, but you can also tap the microphone icon to tell Siri you're done. This is useful when there's a lot of background noise. It can also speed up your conversation with Siri, since Siri won't have to wait for your pause.

When you stop speaking, Siri displays what it heard and provides a response. Siri often includes related info that might be useful. If the info is related to an app—for example, a text message you've composed, or a location you asked for—just tap the display to open the app for details and further action.



Siri may ask you for clarification in order to complete a request. For example, tell Siri to "Remind me to call mom," and Siri may ask "What time would you like me to remind you?"

Cancel a request: Say "cancel," tap , or press the Home button .

Stop a phone call you started with Siri: Before the Phone app opens, press the Home button . If Phone is already open, tap End.

Telling Siri about yourself

The more Siri knows about you, the more it can use your information to help you. Siri gets your information from your personal info card (“My Info”) in Contacts.

Tell Siri who you are: Go to Settings > General > Siri > My Info, then tap your name.

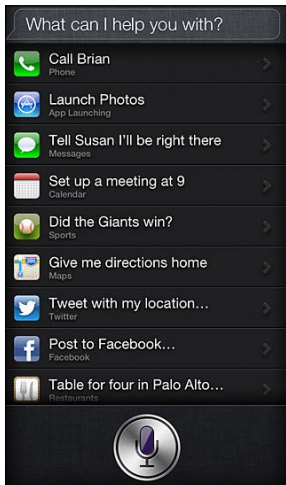
Put your home and work addresses on your card, so you can say things like “How do I get home?” and “Remind me to call Bob when I get to work.”

Siri also wants to know about the important people in your life, so put those relationships on your personal info card—Siri can help you. For example, the first time you tell Siri to call your sister, Siri asks you who your sister is (if you don’t already have that info on your card). Siri adds that relationship to your personal info card so it doesn’t have to ask next time.

Create cards in Contacts for all your important relationships, and include information such as phone numbers, email addresses, home and work addresses, and nicknames you like to use.

Onscreen guide

Siri prompts you with examples of things you can say, right on screen. Ask Siri “what can you do” or tap ⓘ when Siri first appears. Siri displays a list of the apps it supports, with an example request. Tap an item in the list to more examples.



Raise to Speak

You can start talking to Siri just by bringing iPhone to your ear, like making a phone call. If the screen isn't on, first press the Sleep/Wake or Home button. You'll hear two quick beeps to indicate Siri is listening. Then start talking.

Turn on Raise to Speak: Go to Settings > General > Siri.

If Siri doesn't respond when you bring iPhone to your ear, start with the screen facing you, so your hand rotates on the way up.



Handsfree Siri

You can use Siri with the headset that came with iPhone, and with other compatible wired or Bluetooth headsets.

Talk to Siri using a headset: Press and hold the center button (or the call button on a Bluetooth headset).

To continue a conversation with Siri, press and hold the button each time you want to talk.

When you use a headset, Siri speaks its responses to you. Siri reads back text messages and email messages that you've dictated before sending them. This gives you a chance to change the message if you want. Siri also reads back the subjects of reminders before creating them.

Location Services

Because Siri knows locations (iPhone 4S or later) like "current," "home," and "work," it can remind you to do a certain task when you leave a location or arrive at a location. Tell Siri "Remind me to call my daughter when I leave the office," and Siri does just that.

Location information isn't tracked or stored outside iPhone. You can still use Siri if you turn Location Services off, but Siri won't do anything that requires location information.

Turn off Location Services for Siri: Go to Settings > Privacy > Location Services.

Accessibility

Siri is accessible to blind and visually impaired users through VoiceOver, the screen reader built into iOS. VoiceOver describes aloud what's onscreen—including any text in Siri's responses—so you can use iPhone without seeing it.

Turn on VoiceOver: Go to Settings > General > Accessibility.

Turning on VoiceOver causes even your notifications to be read aloud for you. For more information, see [VoiceOver](#) on page 115.

Setting options for Siri

Turn Siri on or off: Go to Settings > General > Siri.

Note: Turning Siri off resets Siri, and Siri forgets what it's learned about your voice.

Set options for Siri: Go to Settings > General > Siri.

- **Language:** Select the language you want to use with Siri.
- **Voice Feedback:** By default, Siri speaks its responses only when you hold iPhone to your ear or use Siri with a headset. If you want Siri to always speak its responses, set this option to Always.
- **My Info:** Let Siri know which card in Contacts contains your personal info. See [Telling Siri about yourself](#) on page 38.
- **Raise to Speak:** Talk to Siri by bringing iPhone to your ear when the screen is on. To turn this feature on or off, go to Settings > General > Siri.

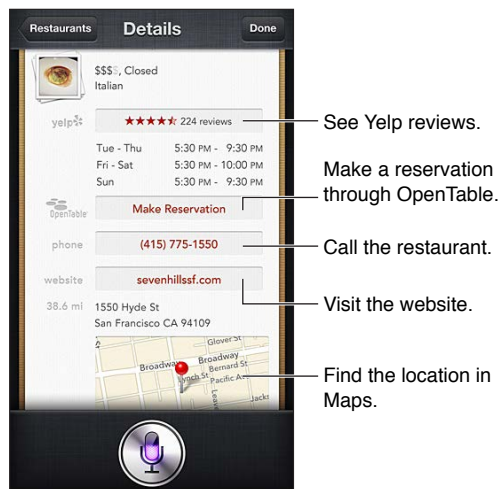
Allow or prevent access to Siri when iPhone is locked with a passcode: Go to Settings > General > Passcode Lock.

You can also disable Siri by turning on restrictions. See [Restrictions](#) on page 137.

Restaurants

Siri works with Yelp, OpenTable, and others to provide information about restaurants and help you make reservations. Ask to find restaurants by cuisine, price, location, outdoor seating, or a combination of options. Siri can show you available photos, Yelp stars, price range, and reviews. Get more information by using the Yelp and OpenTable apps—iPhone prompts you to download them if you don't already have them installed.

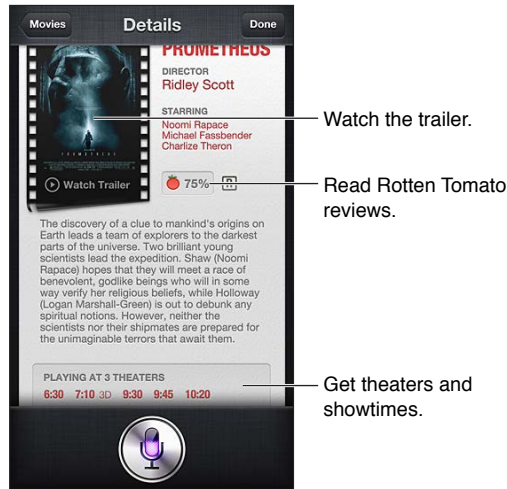
See detailed info about a restaurant: Tap a restaurant that Siri suggests.



Movies

Ask Siri about what movies are playing, or where you can see a specific movie. Find out when a film premiered, who directed it and what awards it won. Siri gives theater locations, show times, and Rotten Tomato reviews.

See detailed info about a movie: Tap a movie that Siri suggests.



Sports

Siri knows a lot about sports—including baseball, basketball, football, soccer, and hockey. Ask Siri for game schedules, scores from the current season's games, or up-to-the minute scores from live games. Tell Siri to show you player stats and compare them against other players' stats. Siri tracks team records, too. Here are some things you might ask:

- What was the score of the last Giants game?
- What are the National League standings?
- When is the Chicago Cubs first game of the season?

Dictation

When Siri is turned on, you can also dictate text. See [Dictation](#) on page 25.

Although you can compose email, text messages, and other text by talking directly with Siri, you might prefer dictation. Dictation lets you edit a message instead of replacing the entire text. Dictation also gives you more time to think while composing.

Siri understands a pause to mean you finished talking for the moment, and takes that opportunity to respond. While this lets you have a natural conversation with Siri, Siri might interrupt you before you're really done if you pause too long. With dictation, you can pause as much as you like, and resume talking when you're ready.

You can also start composing text using Siri, then continue using dictation. For example, you can create an email with Siri, then tap the draft to open the message in Mail. In Mail, you can complete or edit the message and make other changes, such as adding or removing recipients, revising the subject, or changing the account you're sending the email from.

Correcting Siri

If Siri is having trouble

Siri may sometimes have trouble understanding you—in a noisy environment, for example. If you speak with an accent, it can take Siri some time to get used to your voice. If Siri doesn't hear you exactly right, you can make corrections.

Siri shows what it heard you say, along with its response.

Correct what Siri hears you say: Tap the bubble showing what Siri heard you say. Edit your request by typing, or tap  on the keyboard to dictate.

For information about using dictation, see [Dictation](#) on page 41.

If some of the text is underlined in blue, tap it and Siri suggests some alternatives. Tap one of the suggestions, or replace the text by typing or dictating.

Correct Siri by voice: Tap , then restate or clarify your request. For example, "I meant Boston."

When correcting Siri, don't say what you *don't* want—just tell Siri what you *do* want.

Correct a mail or text message: If Siri asks if you want to send the message, say something like:

- Change it to: Call me tomorrow.
- Add: See you there question mark.
- No, send it to Bob.
- No. (to keep the message without sending it)
- Cancel.

To have Siri read the message to you, say "Read it back to me" or "Read me the message." If it's correct, say something like "Yes, send it."

Noisy environments

In a noisy environment, hold iPhone close to your mouth, but don't talk directly into the bottom edge. Continue to speak clearly and naturally. Tap  when you finish speaking.

You can also try holding iPhone to your ear to speak to Siri.

Network connection

Siri might tell you it's having trouble connecting to the network. Because Siri relies on Apple servers for voice recognition and other services, you need to have a good 3G, 4G, or LTE cellular connection or a Wi-Fi connection to the Internet.

Phone

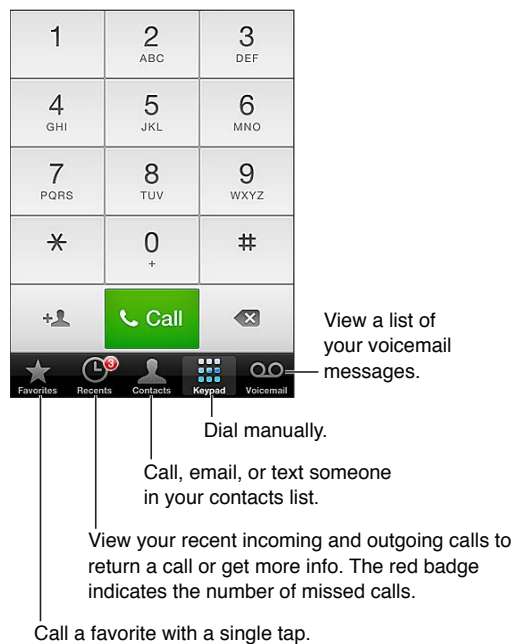
5



Phone calls

Making calls

Making a call on iPhone is as simple as tapping a name or number in your contacts, using Siri to say “call Bob” (iPhone 4S or later), tapping one of your favorites, or tapping a recent call to return it.



WARNING: For important information about avoiding distraction, see [Important safety information](#) on page 146.

Buttons at the bottom of the Phone screen give you quick access to your favorites, recent calls, your contacts, and a numeric keypad for dialing manually.

Manually dial a number: Tap Keypad, enter the number, then tap Call.

- *Paste a number to the keypad:* Tap the screen above the keyboard, then tap Paste.
- *Enter a soft (2-second) pause:* Touch the "*" key until a comma appears.
- *Enter a hard pause (to pause dialing until you tap the Dial button):* Touch the "#" key until a semicolon appears.
- *Redial the last number:* Tap Keypad, tap Call to display the number, then tap Call again.

Add a contact to Favorites: In Contacts, tap "Add to Favorites" at the bottom of a contact card. To delete or rearrange your favorites list, tap Edit.

Use Siri or Voice Control: Press and hold the Home button , say *call* or *dial*, then say the name or number. You can add *at home*, *work*, or *mobile*. See Chapter 4, [Siri](#), on page 36 and [Voice Control](#) on page 26.

For best results, speak the full name of the person you're calling. When voice dialing a number, speak each digit separately—for example, *four one five, five five five, one two one two*. For the 800 area code in the U.S., you can say *eight hundred*.

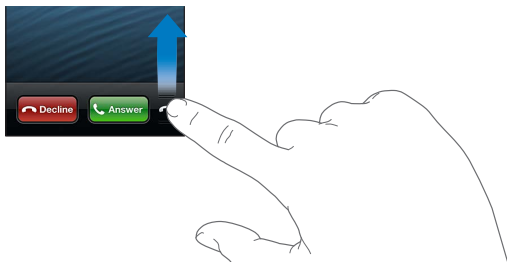
Receiving calls

Answer a call: Tap Answer. If iPhone is locked, drag the slider. You can also press the center button on your headset.

Silence a call: Press the Sleep/Wake button or either volume button. You can still answer the call after silencing it, until it goes to voicemail.

Reply to an incoming call with a text message: Swipe  up, tap "Reply with Message," then choose a reply or tap Custom. To create your own default replies, go to Settings > Phone > "Reply with Message" and replace any of the default messages.

Remind yourself to return an incoming call: Swipe  up, tap Remind Me Later, then choose when you want to be reminded.



Decline a call and send it directly to voicemail: Do one of the following:

- Press the Sleep/Wake button twice quickly.
- Press and hold the center button on your headset for about two seconds. Two low beeps confirm that the call was declined.
- Tap Decline (if iPhone is awake when the call comes in).

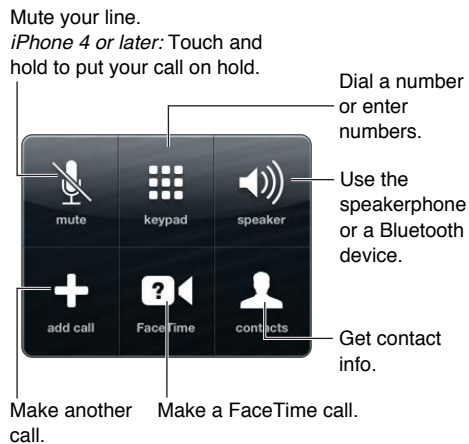
Block calls and maintain Wi-Fi access to the Internet: Go to Settings and turn on Airplane Mode, then tap Wi-Fi to turn it on.

Set iPhone to Do Not Disturb (🌙): Go to Settings and turn on Do Not Disturb. See [Do Not Disturb and Notifications](#) on page 132.

When iPhone is turned off, in airplane mode, or set to Do Not Disturb, incoming calls go directly to voicemail.

While on a call

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



Use another app during a call: Press the Home button , then open the app. To return to the call, tap the green bar at the top of the screen.

End a call: Tap End. Or press the center button on your headset.

Respond to a second incoming call:

- *Ignore the call and send it to voicemail:* Tap Ignore.
- *Put the first call on hold and answer the new one:* Tap Hold Call + Answer.
- *End the first call and answer the new one:* When using a GSM network, tap End Call + Answer. With a CDMA network, tap End Call and when the second call rings back, tap Answer, or drag the slider if the phone is locked.

If you're on a FaceTime video call, you can either end the video call and answer the incoming call, or decline the incoming call.

Switch between calls: Tap Swap. The active call is put on hold. With CDMA, you can't switch between calls if the second call was outgoing, but you can merge the calls. If you end the second call or the merged call, both calls are terminated.

Merge calls: Tap Merge Calls. With CDMA, you can't merge calls if the second call was incoming.

Conference calls

With GSM, you can set up a conference call with up to five people at a time, depending on your carrier.

Create a conference call: While on a call, tap Add Call, make another call, then tap Merge Calls. Repeat to add more people to the conference.

- *Drop one person:* Tap Conference, tap  next to a person, then tap End Call.
- *Talk privately with one person:* Tap Conference, then tap Private next to the person. Tap Merge Calls to resume the conference.
- *Add an incoming caller:* Tap Hold Call + Answer, then tap Merge Calls.

Note: You can't make a FaceTime video call when you're on a conference call.

Using a Bluetooth device

For information about using a Bluetooth device, see the documentation that came with the device. See [Pairing Bluetooth devices](#) on page 32.

Bypass your Bluetooth device:

- Answer a call by tapping the iPhone screen.
- During a call, tap Audio and choose iPhone or Speaker Phone.
- Turn off Bluetooth in Settings > Bluetooth.
- Turn off the Bluetooth device, or move out of range. You must be within about 30 feet (10 meters) of a Bluetooth device for it to be connected to iPhone.

Emergency calls

Make an emergency call when iPhone is locked: On the Enter Passcode screen, tap Emergency Call.

Important: iPhone can be used to make an emergency call in many locations, provided that cellular service is available, but it should not be relied on for emergencies. Some cellular networks may not accept an emergency call from iPhone if iPhone is not activated, if iPhone is not compatible with or configured to operate on a particular cellular network, or (when applicable) if iPhone does not have a SIM card or if the SIM card is PIN-locked.

In the U.S., location information (if available) is provided to emergency service providers when you dial 911.

With CDMA, when an emergency call ends, iPhone enters *emergency call mode* for a few minutes to allow a call back from emergency services. During this time, data transmission and text messages are blocked.

Exit emergency call mode (CDMA): Do one of the following:

- Tap the back button.
- Press the Sleep/Wake button or the Home button .
- Use the keypad to dial a non-emergency number.

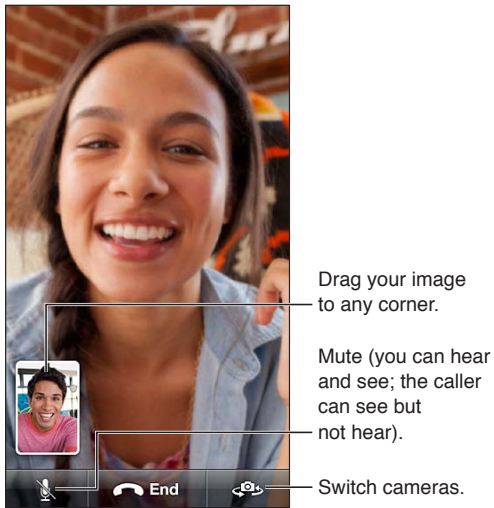
FaceTime

With iPhone 4 or later, you can make a video call to someone with a Mac or other iOS device that supports FaceTime. The FaceTime camera lets you talk face-to-face; switch to the iSight camera on the back to share what you see around you.

Note: On iPhone 3GS or iPhone 4, you need a Wi-Fi connection to the Internet. On iPhone 4S or later, you can also make FaceTime calls over a cellular data connection. Cellular data charges may apply. To turn off FaceTime using cellular data, go to Settings > General > Cellular.

Make a FaceTime call: In Contacts, choose a name, tap FaceTime, then tap the phone number or email address that the person uses for FaceTime.

To call someone who has an iPhone 4 or later, you can start by making a voice call, then tap FaceTime.



Note: With FaceTime, your phone number is displayed even if caller ID is blocked or turned off.

Use Siri or Voice Control: Press and hold the Home button , then say "FaceTime," followed by the name of the person to call.

Set FaceTime options: Go to Settings > FaceTime to:

- Turn FaceTime on or off
- Specify your Apple ID or an email address for receiving FaceTime calls

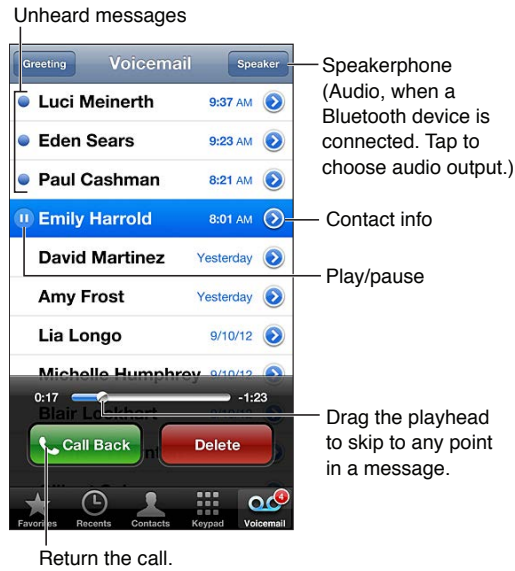
Visual voicemail

Visual voicemail lets you see a list of your messages and choose which ones to listen to or delete, without having to listen to instructions or prior messages. The badge on the Voicemail icon tells you how many unheard messages you have.

Set up visual voicemail: The first time you tap Voicemail, you're prompted to create a voicemail password and record your voicemail greeting.

Listen to a voicemail message: Tap Voicemail, then tap a message. To listen again, select the message and tap . If visual voicemail isn't available with your service, tap Voicemail and follow the voice prompts.

Check voicemail from another phone: Dial your own number or your carrier's remote access number.



Messages are saved until you delete them or your carrier erases them.

Delete a message: Swipe or tap the message, then tap Delete.

Note: In some areas, deleted messages may be permanently erased by your carrier.

Manage deleted messages: Tap Deleted Messages (at the end of the messages list), then:

- *Listen to a deleted message:* Tap the message.
- *Undelete a message:* Tap the message and tap Undelete.
- *Delete messages permanently:* Tap Clear All.

Change your greeting: Tap Voicemail, tap Greeting, tap Custom, then tap Record and say your greeting. Or, to use your carrier's generic greeting, tap Default.

Set an alert sound for new voicemail: Go to Settings > Sounds, then tap New Voicemail.

Note: If the Ring/Silent switch is off, iPhone won't sound alerts.

Change the voicemail password: Go to Settings > Phone > Change Voicemail Password.

Contacts

From a contact's Info screen, a quick tap lets you make a phone call, create an email message, find the contact's location, and more. See Chapter 25, [Contacts](#), on page 100.

Call forwarding, call waiting, and caller ID

The following information applies only to GSM networks. For CDMA networks, contact your carrier for information about enabling and using these features. See support.apple.com/kb/HT4515.

Turn call forwarding on or off: Go to Settings > Phone > Call Forwarding. The Call Forwarding icon (↗) appears in the status bar when call forwarding is on. You must be in range of the cellular network when you set iPhone to forward calls, or calls won't be forwarded. FaceTime calls are not forwarded.

Turn call waiting on or off: Go to Settings > Phone > Call Waiting. If you're on a call and call waiting is turned off, incoming calls go directly to voicemail.

Turn caller ID on or off: Go to Settings > Phone > Show My Caller ID.

Note: For FaceTime calls, your phone number is displayed even if caller ID is turned off.

Ringtones, Ring/Silent switch, and vibrate

iPhone comes with ringtones that sound for incoming calls, Clock alarms, and the Clock timer. You can also purchase ringtones from songs in iTunes. See Chapter 22, [iTunes Store](#), on page 94.

Set the default ringtone: Go to Settings > Sounds > Ringtone.

Turn the ringer on or off: Flip the switch on the side of iPhone.

Important: Clock alarms still sound even if you set the Ring/Silent switch to silent.

Turn vibrate on or off: Go to Settings > Sounds.

Assign a different ringtone for a contact: In Contacts, choose a contact, tap edit, then tap Ringtone and choose a ringtone.

For more information, see [Sounds](#) on page 139.

International calls

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

When traveling abroad, you may be able to use iPhone to make calls, send and receive text messages, and use apps that access the Internet, depending on available networks.

Enable international roaming: Contact your carrier for information about availability and fees.

Important: Voice, text message, and data roaming charges may apply. To avoid charges when roaming, turn off Voice Roaming and Data Roaming.

If you have an iPhone 4S or later that's been activated to work on a CDMA network, you may be able to roam on GSM networks if the phone has a SIM card installed. When roaming on a GSM network, iPhone has access to GSM network features. Charges may apply. Contact your carrier for more information.

Set network options: Go to Settings > General > Cellular to:

- Turn data roaming on or off.
- Turn cellular data on or off.
- Turn voice roaming on or off (CDMA).
- Use GSM networks abroad (CDMA).

Turn off cellular services: Go to Settings, turn on Airplane Mode, then tap Wi-Fi and turn Wi-Fi on. Incoming phone calls are sent to voicemail. To resume cellular service, turn Airplane Mode off.

Automatically add the prefix or country code for calls to the U.S.: (GSM) Go to Settings > Phone, then turn on Dial Assist. This lets you use contacts and favorites to make calls while abroad.

Choose a carrier: Go to Settings > Carrier. This option is available only when you're traveling outside your service provider's network, and for carriers that have roaming agreements with your provider. See [Carrier](#) on page 133.

Get voicemail when visual voicemail isn't available: Dial your own number (with CDMA, add # after your number), or touch and hold "1" on the numeric keypad.

Setting options for Phone

Go to Settings > Phone to:

- See the phone number for your iPhone
- Change the default text message replies for incoming calls
- Turn call forwarding, call waiting, and caller ID on or off (GSM)
- Turn TTY on or off
- Change your voicemail password (GSM)
- Require a PIN to unlock your SIM when you turn iPhone on (required by some carriers)

Go to Settings > FaceTime to:

- Turn FaceTime on or off
- Use your Apple ID for FaceTime
- Add an email address for FaceTime
- Turn cellular data on or off

Go to Settings > Sounds to:

- Set ringtones and volume
- Set vibration options
- Set the sound for new voicemail

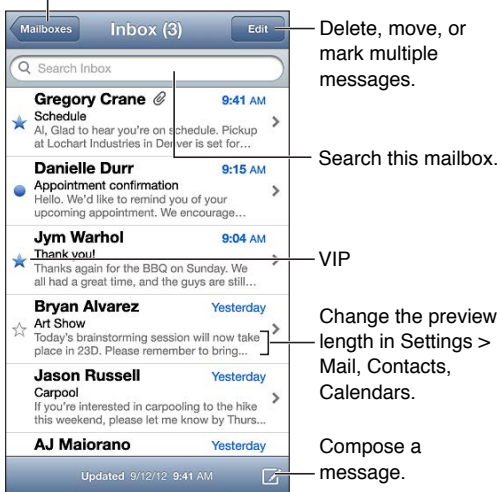
Mail

6



Reading mail

Change mailboxes or accounts.



Flag a message or mark it as unread: Tap . To mark multiple messages at once, tap Edit while viewing the message list.

Identify messages addressed specifically to you: Go to Settings > Mail, Contacts, Calendars, then turn Show To/Cc Label on or off. Messages with your address in the To or Cc field are indicated with an icon in the message list.

See all the recipients of a message: Tap the word Details in the From field. Tap a recipient's name or email address to view the recipient's contact information or add them to Contacts or your VIP list.

Prevent downloading remote images: Go to Settings > Mail, Contacts, Calendars, then turn Load Remote Images on or off.

Open a link: Tap the link to use its default action, or touch and hold to see other actions. For example, for an address, you can show its location in Maps or add it to Contacts. For a web link, you can add it to Reading List.

Open a meeting invitation or attachment: Tap the item. If the attachment can be used by multiple apps, touch and hold to choose an app that works with the file.

Save an attached photo or video: Touch and hold the photo or video, then tap Save Image or Video. It's saved to your Camera Roll in the Photos app.

Load new messages: Pull the message list or mailbox list down to refresh the list.

- *Set the number of older messages retrieved:* Go to Settings > Mail, Contacts, Calendars > Show.

Turn off new message notifications for an account: Go to Settings > Notifications > Mail > *account name*, then turn Notification Center off.

Change the tones played by Mail: Go to Settings > Sound.

- *Change the tone played for new mail in each account:* Go to Settings > Notifications > Mail > *account name* > New Mail Sound.
- *Change the tone played for new mail from VIPs:* Go to Settings > Notifications > Mail > VIP > New Mail Sound.

Sending mail



Compose a message: Tap , then type a name or email address. After you enter recipients, you can drag to move them between fields, such as from To to Cc. If you have multiple mail accounts, tap From to change the account you're sending from.

Automatically Bcc yourself on outgoing messages: Go to Settings > Mail, Contacts, Calendars > Always Bcc Myself.

Save a draft of a message: Tap Cancel, then tap Save. The message is saved in the account's Drafts mailbox. Touch and hold  to see your saved drafts.

Reply to a message: Tap , then tap Reply. Files or images attached to the initial message aren't sent back. To include the attachments, forward the message instead of replying.

Forward a message: Open a message and tap , then tap Forward. This also forwards the message's attachments.

Quote a portion of the message you're replying to or forwarding: Touch and hold to select text. Drag the grab points to select the text you want to include in your reply, then tap .

- *Change the indentation level:* Select the text to indent, tap  at least twice, then tap Quote Level.
- *Automatically increase the quote level:* Go to Settings > Mail, Contacts, Calendars, then turn on Increase Quote Level.

Send a photo or video in a message: Tap the insertion point to display the selection buttons. Tap , tap Insert Photo or Video, then choose a photo or video from an album. You can also email multiple photos using Photos—see [Sharing photos and videos](#) on page 72.

Change your email signature: Go to Settings > Mail, Contacts, Calendars > Signature. If you have more than one mail account, tap Per Account to specify a different signature for each account.

Organizing mail

See messages from VIPs: Go to the mailbox list (tap Mailboxes to get there), then tap VIP.

- *Add a person to the VIP list:* Tap the person's name or address in a From, To, or CC/Bcc field, then tap Add to VIP.

Group related messages together: Go to Settings > Mail, Contacts, Calendars, then turn Organize by Thread on or off.

Search messages: Open a mailbox, scroll to the top, then enter text in the Search field. You can search the From, To, or the Subject field in the mailbox that's currently open. For mail accounts that support searching messages on the server, tap All to search From, To, Subject, and the message body.

Delete a message: If the message is open, Tap .

- *Delete a message without opening it:* Swipe over the message title, then tap Delete.
- *Delete multiple messages:* While viewing the message list, tap Edit.
- *Turn off deletion confirmation:* Go to Settings > Mail, Contacts, Calendars > Ask Before Deleting.

Recover a message: Go to the account's Trash mailbox, open the message, tap , then move the message to the account's Inbox or other folder.

- *Set how long your messages stay in Trash before being permanently deleted:* Go to Settings > Mail, Contacts, Calendars > *account name* > Account > Advanced.

Turn archiving on or off: Go to Settings > Mail, Contacts, Calendars > *account name* > Account > Advanced. When you archive a message, it moves to the All Mail mailbox. Not all mail accounts support archiving.

Move a message to a different mailbox: While viewing the message, tap , then choose a destination.

Add, rename, or delete a mailbox: In the mailbox list, tap Edit. Some mailboxes can't be renamed or deleted.

Printing messages and attachments

Print a message: Tap , then tap Print.

Print an inline image: Touch and hold the image, then tap Save Image. Go to Photos and print the image from your Camera Roll album.

Print an attachment: Tap the attachment to open it in Quick Look, tap , then tap Print.

For more information about printing, see [Printing with AirPrint](#) on page 30.

Mail accounts and settings

Change Mail and mail account settings: Go to Settings > Mail, Contacts, Calendars. You can set up:

- iCloud
- Microsoft Exchange and Outlook
- Google
- Yahoo!
- AOL
- Microsoft Hotmail
- Other POP and IMAP accounts

Settings vary based on the type of account you're setting up. Your Internet service provider or system administrator can provide the information you need to enter.

Temporarily stop using an account: Go to Settings > Mail, Contacts, Calendars, choose an account, then turn off mail service for the account. When the service is turned off, iPhone doesn't display or sync that information until you turn it back on. This is a good way to stop receiving work email while on vacation, for example.

Delete an account: Go to Settings > Mail, Contacts, Calendars, choose an account, then scroll down and tap Delete Account. All information synced with that account, such as bookmarks, mail, and notes, is removed.

Set Push settings: Go to Settings > Mail, Contacts, Calendars > Fetch New Data. Push delivers new information whenever it appears on the server and there's an Internet connection (some delays may occur). When Push is turned off, use the Fetch New Data setting to determine how often data is requested. The setting you choose here overrides individual account settings. For optimal battery life, don't fetch too often. Not all accounts support push.

Send signed and encrypted messages: Go to Settings > Mail, Contacts, Calendars > *account name* > Account > Advanced. Turn on S/MIME, then select certificates for signing and encrypting outgoing messages. To install certificates, you may get a configuration profile from your system administrator, download the certificates from the issuer's website using Safari, or receive them as mail attachments.

Set advanced options: Go to Settings > Mail, Contacts, Calendars > *account name* > Account > Advanced. Options vary depending on the account, and may include:

- Store drafts, sent messages, and deleted messages on iPhone
- Set how long deleted messages are kept before being permanently removed
- Adjust mail server settings
- Adjust SSL and password settings

Ask your Internet service provider or system administrator if you're not sure what the appropriate settings are for your account.

Safari

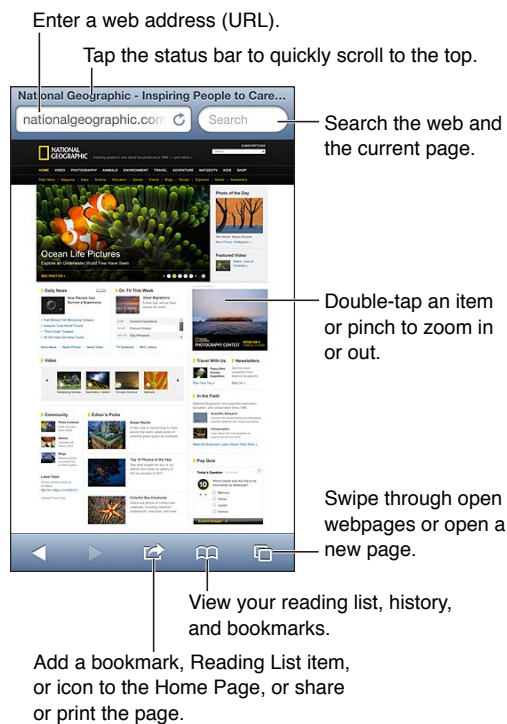
7



Safari features include:

- Reader—view articles without ads or clutter
- Reading list—collect articles to read later
- Full-screen mode—when viewing webpages in landscape orientation

Use iCloud to see pages you have open on other devices, and to keep your bookmarks and reading list up to date on your other devices.



View a webpage: Tap the address field (in the title bar), enter the URL, then tap Go.

- *Scroll a webpage:* Drag up, down, or sideways.
- *Scroll within a frame:* Drag two fingers inside the frame.
- *View in full-screen landscape:* Rotate iPhone, then tap .
- *Reload a webpage:* Tap  in the address field.

Close a webpage: Tap , then tap  by the page.

See webpages you have open on your other devices: Tap , then tap iCloud Tabs. To share webpages you have open on iPhone with your other devices using iCloud Tabs, go to Settings > iCloud and turn on Safari.

Follow a link on a webpage: Tap the link.

- *See a link's destination:* Touch and hold the link.
- *Open a link in a new tab:* Touch and hold the link, then tap "Open in New Page."

Detected data—such as phone numbers and email addresses—may also appear as links in webpages. Touch and hold a link to see the available options.

View an article in Reader: Tap the Reader button, if it appears in the address field.

- *Adjust the font size:* Tap  **A**.
- *Share the article:* Tap .

Note: When you email an article from Reader, the full text of the article is sent, in addition to the link.

- *Return to normal view:* Tap Done.

Use Reading List to collect webpages and read them later:

- *Add the current webpage:* Tap , then tap "Add to Reading List." With iPhone 4 or later, the webpage is saved as well as the link, so you can read it even when you can't connect to the Internet.
- *Add the destination of a link:* Touch and hold the link, then tap "Add to Reading List."
- *View your reading list:* Tap , then tap Reading List.
- *Delete an item from your reading list:* Swipe the item, then tap Delete.

Fill out a form: Tap a text field to bring up the keyboard.

- *Move to a different text field:* Tap the text field, or tap Next or Previous.
- *Submit a form:* Tap Go, Search, or the link on the webpage to submit the form.
- *Enable AutoFill:* Go to Settings > Safari > AutoFill.

Search the web, the current webpage, or a searchable PDF: Enter text in the search field.

- *Search the web:* Tap one of the suggestions that appear, or tap Search.
- *Find the search text on the current webpage or PDF:* Scroll to the bottom of the screen, then tap the entry below On This Page.

The first instance is highlighted. To find later instances, tap .

Bookmark the current webpage: Tap , then tap Bookmark.

When you save a bookmark, you can edit its title. By default, bookmarks are saved at the top level of Bookmarks. To choose a different folder, tap Bookmarks on the Add Bookmarks screen.

Create an icon on the Home screen: Tap , then tap "Add to Home Screen." Safari adds an icon for the current webpage to your Home Screen. Unless the webpage has a custom icon, that image is also used for the web clip icon on the Home screen. Web clips are backed up by iCloud and iTunes, but they aren't pushed to other devices by iCloud or synced by iTunes.

Share or copy a link for the current webpage: Tap , then tap Mail, Message, Twitter, Facebook, or Copy.

Print the current webpage: Tap , then tap Print. See [Printing with AirPrint](#) on page 30.

Use iCloud to keep your bookmarks and reading list up to date on your other devices: Go to Settings > iCloud and turn on Safari. See [iCloud](#) on page 15.

Set options for Safari: Go to Settings > Safari. Options include:

- Search engine
- AutoFill for filling out forms
- Opening links in a new page or in the background
- Private browsing to help protect private information and block some websites from tracking your behavior
- Clearing history, cookies, and data
- Cellular data for Reading List
- Fraud warning



Getting music

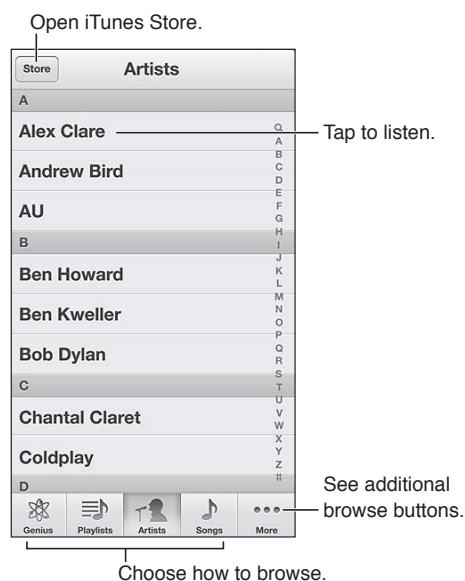
Get music and other audio content onto iPhone:

- *Purchase and download from the iTunes Store:* In Music, tap Store. See Chapter 22, [iTunes Store](#), on page 94.
- *Automatically download music purchased on your other iOS devices and computers:* See [iCloud](#) on page 15.
- *Sync content with iTunes on your computer:* See [Syncing with iTunes](#) on page 16.
- *Use iTunes Match to store your music library in iCloud:* See [iTunes Match](#) on page 62.

Playing music

WARNING: For important information about avoiding hearing loss, see [Important safety information](#) on page 146.

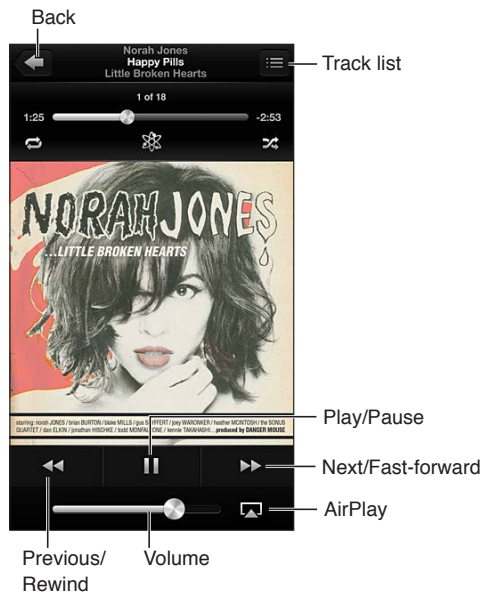
You can listen to audio from the built-in speaker, headphones attached to the headset jack, or wireless Bluetooth stereo headphones paired with iPhone. When headphones are attached or paired, no sound comes from the speaker.



Play a track: Browse by playlist, artist, song, or other category, then tap the track.

- *See additional browse buttons:* Tap More.
- *Change which browse buttons appear at the bottom:* Tap More, tap Edit, then drag an icon over the button you want to replace.

The Now Playing screen shows you what's playing, and provides playback controls.



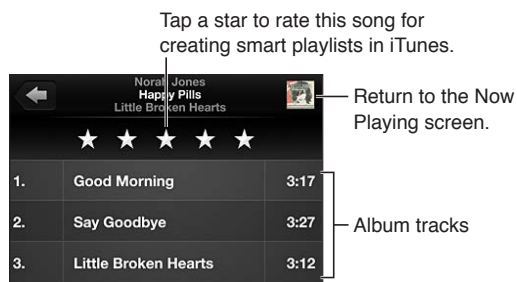
Lyrics appear on the Now Playing screen if you've added them to the song using the song's Info window in iTunes and you've synced iPhone with iTunes.

Display additional controls (iPhone 4S or earlier): Tap the album artwork on the Now Playing screen to display the scrubber bar and playhead, and the Repeat, Genius, and Shuffle buttons.

Skip to any point in a song: Drag the playhead along the scrubber bar. Slide your finger down to slow down the scrub rate.

Shake to shuffle: Shake iPhone to turn on shuffle, and to change songs. To turn Shake to Shuffle on or off, go to Settings > Music.

See all tracks on the album containing the current song: Tap . To play a track, tap it.



Search music (titles, artists, albums, and composers): While browsing, tap the status bar to reveal the search field at the top of the screen, then enter your search text. You can also search audio content from the Home screen. See [Searching](#) on page 27.

Display audio controls while in another app: Double-click the Home button , then swipe the multitasking bar to the right. Swipe right again to display a volume control and the AirPlay button  (when in range of an Apple TV or AirPlay speakers).

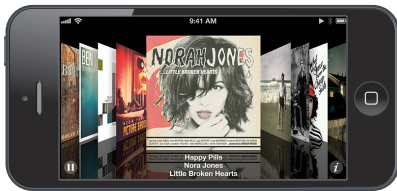


Display audio controls while the screen is locked: Double-click the Home button .

Play music on AirPlay speakers or Apple TV: Tap . See [AirPlay](#) on page 30.

Cover Flow

When you rotate iPhone, your music content appears in Cover Flow.



Browse albums in Cover Flow: Drag left or right.

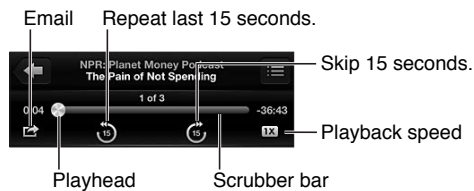
- *See the tracks on an album:* Tap the album artwork or . Drag up or down to scroll; tap a track to play it.
- *Return to the artwork:* Tap the title bar, or tap  again.

Podcasts and audiobooks

On iPhone 5, podcast and audiobook controls and info appear on the Now Playing screen when you begin playback.

Note: The Podcasts app is available for free in the App Store. See Chapter 31, [Podcasts](#), on page 113. If you install the Podcasts app, podcast content and controls are removed from Music.

Show or hide the controls and info (iPhone 4S or earlier): Tap the center of the screen.



Get more podcast episodes: Tap Podcasts (tap More first, if Podcasts isn't visible), then tap a podcast to see available episodes. To download more episodes, tap Get More Episodes.

Hide lyrics and podcast info: Go to Settings > Music, then turn off Lyrics & Podcasts Info.

Playlists

Create a playlist: View Playlists, tap Add Playlist near the top of the list, then enter a title. Tap  to add songs and videos, then tap Done.

Edit a playlist: Select the playlist to edit, then tap Edit.

- *Add more songs:* Tap .
- *Delete a song:* Tap . Deleting a song from a playlist doesn't delete it from iPhone.
- *Change the song order:* Drag .

New and changed playlists are copied to your iTunes library the next time you sync iPhone with your computer, or via iCloud if you've subscribed to iTunes Match.

Clear or delete a playlist: Select the playlist, then tap Clear or Delete.

Delete a song from iPhone: In Songs, swipe the song, then tap Delete.

The song is deleted from iPhone, but not from your iTunes library on your Mac or PC, or from iCloud.

When iTunes Match is turned on, you can't delete music. If space is needed, iTunes Match removes music for you, starting with the oldest and least played songs.

Genius

A Genius playlist is a collection of songs from your library that go together. Genius is a free service, but it requires an Apple ID.

A Genius Mix is a selection of songs of the same kind of music, recreated from your library each time you listen to the mix.

Use Genius on iPhone: Turn on Genius in iTunes on your computer, then sync iPhone with iTunes. Genius Mixes are synced automatically, unless you manually manage your music. You can also sync Genius playlists.

Browse and play Genius Mixes: Tap Genius (tap More first, if Genius isn't visible). Swipe left or right to access other mixes. To play a mix, tap .

Make a Genius playlist: View Playlists, then tap Genius Playlist and choose a song. Or, from the Now Playing screen, tap the screen to display the controls, then tap .

- *Replace the playlist using a different song:* Tap New and pick a song.
- *Refresh the playlist:* Tap Refresh.
- *Save the playlist:* Tap Save. The playlist is saved with the title of the song you picked and marked by .

Edit a saved Genius playlist: Tap the playlist, then tap Edit.

- *Delete a song:* Tap .
- *Change the song order:* Drag .

Delete a saved Genius playlist: Tap the Genius playlist, then tap Delete.

Genius playlists created on iPhone are copied to your computer when you sync with iTunes.

Note: Once a Genius playlist is synced to iTunes, you can't delete it directly from iPhone. Use iTunes to edit the playlist name, stop syncing, or delete the playlist.

Siri and Voice Control

You can use Siri (iPhone 4S or later) or Voice Control to control music playback. See Chapter 4, [Siri](#), on page 36 and [Voice Control](#) on page 26.

Use Siri or Voice Control: Press and hold the Home button .

- *Play or pause music:* Say “play” or “play music.” To pause, say “pause,” “pause music,” or “stop.” You can also say “next song” or “previous song.”
- *Play an album, artist, or playlist:* Say “play,” then say “album,” “artist,” or “playlist” and the name.
- *Shuffle the current playlist:* Say “shuffle.”
- *Find out more about the current song:* Say “what’s playing,” “who sings this song,” or “who is this song by.”
- *Use Genius to play similar songs:* Say “Genius” or “play more songs like this.”

iTunes Match

iTunes Match stores your music library in iCloud—including songs imported from CDs—and lets you play your collection on iPhone and your other iOS devices and computers. iTunes Match is available as a paid subscription.

Subscribe to iTunes Match: In iTunes on your computer, choose Store > Turn On iTunes Match, then click the Subscribe button.

Once you subscribe, iTunes adds your music, playlists, and Genius Mixes to iCloud. Your songs that match music already in the iTunes Store are automatically available in iCloud. Other songs are uploaded. You can download and play matched songs at up to iTunes Plus quality (256 kbps DRM-free AAC), even if your original was of lower quality. For more information, see www.apple.com/icloud/features.

Turn on iTunes Match: Go to Settings > Music.

Turning on iTunes Match removes synced music from iPhone, and disables Genius Mixes and Genius Playlists.

Note: If Use Cellular Data is turned on, cellular data charges may apply.

Songs are downloaded to iPhone when you play them. You can also download songs manually.

Download an album to iPhone: While browsing, tap Albums, tap an album, then tap .

Show only music that’s been downloaded from iCloud: Go to Settings > Music, then turn off Show All Music (available only when iTunes Match is turned on).

Manage your devices using iTunes Match or Automatic Downloads: In iTunes on your computer, go to Store > View My Account. Sign in, then click Manage Devices in the “iTunes in the Cloud” section.

Home Sharing

Home Sharing lets you play music, movies, and TV shows from the iTunes library on your Mac or PC. iPhone and your computer must be on the same Wi-Fi network.

Note: Home Sharing requires iTunes 10.2 or later, available at www.itunes.com/download. Bonus content, such as digital booklets and iTunes Extras, can't be shared.

Play music from your iTunes library on iPhone:

- 1 In iTunes on your computer, choose Advanced > Turn On Home Sharing. Log in, then click Create Home Share.
- 2 On iPhone, go to Settings > Music, then log in to Home Sharing using the same Apple ID and password.
- 3 In Music, tap More, then tap Shared and choose your computer's library.

Return to content on iPhone: Tap Shared and choose My iPhone.

Music settings

Go to Settings > Music to set options for Music, including:

- Shake to Shuffle
- Sound Check (to normalize the volume level of your audio content)
- Equalization (EQ)

Note: EQ affects all sound output, including the headset jack and AirPlay. EQ settings generally apply only to music played from the Music app.

The Late Night setting applies to all audio output—video as well as music. Late Night compresses the dynamic range of the audio output, reducing the volume of loud passages and increasing the volume of quiet passages. You might want to use this setting when listening to music on an airplane or in some other noisy environment, for example.

- Lyrics and podcast info
- Grouping by album artist
- iTunes Match
- Home Sharing

Set the volume limit: Go to Settings > Music > Volume Limit, then adjust the volume slider.

Note: In European Union countries, you can limit the maximum headset volume to the European Union recommended level. Go to Settings > Music > Volume Limit, then turn on EU Volume Limit.

Restrict changes to the volume limit: Go to Settings > General > Restrictions > Volume Limit, then tap Don't Allow Changes.

Messages

9

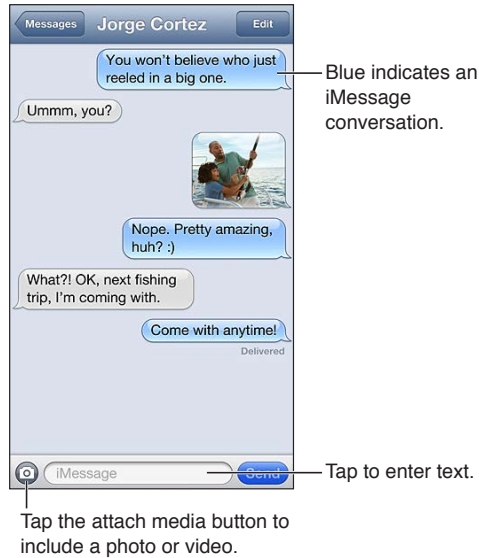


Sending and receiving messages

WARNING: For important information about avoiding distraction while driving, see [Important safety information](#) on page 146.

Messages lets you exchange text messages with other SMS and MMS devices via your cellular connection, and with other iOS devices using iMessage.

iMessage is an Apple service that lets you send unlimited messages over Wi-Fi (as well as cellular connections) to other iOS and OS X Mountain Lion users. With iMessage, you can see when other people are typing, and let them know when you've read their messages. iMessages are displayed on all of your iOS devices logged in to the same account, so you can start a conversation on one of your devices, and continue it on another device. iMessages are encrypted for security.



Start a text conversation: Tap , then tap  and choose a contact, search your contacts by entering a name, or enter a phone number or email address manually. Enter a message, then tap Send.

An alert badge  appears if a message can't be sent. Tap the alert in a conversation to try sending the message again. Double-tap to send the message as an SMS text message.

Resume a conversation: Tap the conversation in the Messages list.

Use picture characters: Go to Settings > General > Keyboard > Keyboards > Add New Keyboard, then tap Emoji to make that keyboard available. Then while typing a message, tap  to bring up the Emoji keyboard. See [Special input methods](#) on page 144.

See a person's contact info: Scroll to the top (tap the status bar) to see actions you can perform, such as making a FaceTime call.

See earlier messages in the conversation: Scroll to the top (tap the status bar). Tap Load Earlier Messages if needed.

Send messages to a group (iMessage and MMS): Tap , then enter multiple recipients. With MMS, group messaging must also be turned on in Settings > Messages, and replies are sent only to you—they aren't copied to the other people in the group.

Managing conversations

Conversations are saved in the Messages list. A blue dot  indicates unread messages. Tap a conversation to view or continue it.

Forward a conversation: Tap Edit, select parts to include, then tap Forward.

Edit a conversation: Tap Edit, select the parts to delete, then tap Delete. To clear all text and attachments without deleting the conversation, tap Clear All.

Delete a conversation: In the Message list, swipe the conversation, then tap Delete.

Search a conversation: Tap the top of the screen to display the search field, then enter the text you're looking for. You can also search conversations from the Home screen. See [Searching](#) on page 27.

Add someone to your contacts list: Tap a phone number in the Messages list, then tap "Add to Contacts."

Sharing photos, videos, and other info

With iMessage or MMS, you can send and receive photos and videos, and send locations, contact info, and voice memos. The size limit of attachments is determined by your service provider—iPhone may compress photo and video attachments when needed.

Send a photo or video: Tap .

Send a location: In Maps, tap  for a location, tap Share Location, then tap Message.

Send contact info: In Contacts, choose a contact, tap Share Contact, then tap Message.

Send a voice memo: In Voice Memos, tap , tap the voice memo, tap Share, then tap Message.

Save a photo or video you receive to your Camera Roll album: Tap the photo or video, then tap .

Copy a photo or video: Touch and hold the attachment, then tap Copy.

Add someone to your contacts from the Messages list: Tap the phone number or email address, tap the status bar to scroll to the top, then tap "Add Contact."

Save contact info you receive: Tap the contact bubble, then tap Create New Contact or "Add to Existing Contact."

Messages settings

Go to Settings > Messages to set options for Messages, including:

- Turning iMessage on or off
- Notifying others when you've read their messages
- Specifying an Apple ID or email address to use with Messages
- SMS and MMS options
- Showing the Subject field
- Showing the character count

Manage notifications for messages: See [Do Not Disturb and Notifications](#) on page 132.

Set the alert sound for incoming text messages: See [Sounds](#) on page 139.

Calendar

10



At a glance

iPhone makes it easy to stay on schedule. You can view calendars individually, or view several calendars at once.



View or edit an event: Tap the event. You can:

- Set a primary and secondary alert
- Change the event's date, time, or duration
- Move an event to a different calendar
- Invite others to attend events on iCloud, Microsoft Exchange, and CalDAV calendars
- Delete the event

You can also move an event by holding it down and dragging it to a new time, or by adjusting the grab points.

Add an event: Tap **+** and enter event information, then tap Done.

- *Set the default calendar for new events:* Go to Settings > Mail, Contacts, Calendars > Default Calendar.
- *Set default alert times for birthdays and events:* Go to Settings > Mail, Contacts, Calendars > Default Alert Times.

Search for events: Tap List, then enter text in the search field. The titles, invitees, locations, and notes for the calendars you're viewing are searched. You can also search Calendar events from the Home screen. See [Searching](#) on page 27.

Set the calendar alert tone: Go to Settings > Sounds > Calendar Alerts.

View by week: Rotate iPhone sideways.

Import events from a calendar file: If you receive an .ics calendar file in Mail, open the message and tap the calendar file to import all of the events it contains. You can also import an .ics file published on the web by tapping a link to the file. Some .ics files subscribe you to a calendar instead of adding events to your calendar. See [Working with multiple calendars](#) on page 68.

If you have an iCloud account, a Microsoft Exchange account, or a supported CalDAV account, you can receive and respond to meeting invitations from people in your organization.

Invite others to an event: Tap an event, tap Edit, then tap Invitees to select people from Contacts.

Respond to an invitation: Tap an invitation in the calendar. Or tap  to display the Event screen, then tap an invitation. You can view information about the organizer and other invitees. If you add comments, which may not be available for all types of calendars, your comments are visible to the organizer but not other attendees.

Accept an event without marking the time as reserved: Tap the event, then tap Availability and select "free." The event stays on your calendar, but doesn't appear as busy to others who send you invitations.

Working with multiple calendars

You can view individual calendars, or several calendars at once. You can subscribe to iCloud, Google, Yahoo!, or iCalendar calendars, as well as your Facebook events and birthdays.

Turn on iCloud, Google, Exchange, or Yahoo! calendars: Go to Settings > Mail, Contacts, Calendars, tap an account, then turn on Calendar.

Add a CalDAV account: Go to Settings > Mail, Contacts, Calendars, tap Add an Account, then tap Other. Under Calendars, tap Add CalDAV Account.

View Facebook events: Go to Settings > Facebook, then sign in to your Facebook account and turn on access to Calendar.

Select calendars to view: Tap Calendars, then tap to select the calendars you want to view. The events for all selected calendars appear in one view.

View the Birthdays calendar: Tap Calendars, then tap Birthdays to include birthdays from your Contacts with your events. If you've set up a Facebook account, you can also include your Facebook friends' birthdays.

You can subscribe to calendars that use the iCalendar (.ics) format. Many calendar-based services support calendar subscriptions, including iCloud, Yahoo!, Google, and the Calendar application in OS X. Subscribed calendars are read-only. You can read events from subscribed calendars on iPhone, but you can't edit events or create new ones.

Subscribe to a calendar: Go to Settings > Mail, Contacts, Calendars, then tap Add Account. Tap Other, then tap Add Subscribed Calendar. Enter the server and filename of the .ics file to subscribe to. You can also subscribe to an iCalendar (.ics) calendar published on the web, by tapping a link to the calendar.

Sharing iCloud calendars

You can share an iCloud calendar with other iCloud users. When you share a calendar, others can view it, and you can let them add or change events, too. You can also share a read-only version that anyone can view.

Create an iCloud calendar: Tap Calendars, tap Edit, then tap Add Calendar.

Share an iCloud calendar: Tap Calendars, tap Edit, then tap the iCloud calendar you want to share. Tap Add Person, then choose someone from Contacts. The person will receive an email invitation to join the calendar, but needs an Apple ID and iCloud account to accept your invitation.

Turn off notifications for shared calendars: Go to Settings > Mail, Contacts, Calendars and turn off Shared Calendar Alerts.

Change a person's access to a shared calendar: Tap Calendars, tap Edit, then tap a person you're sharing with. You can turn off their ability to edit the calendar, resend the invitation to join the calendar, or stop sharing with them.

Share a read-only calendar with anyone: Tap Calendars, tap Edit, then tap the iCloud calendar you want to share. Turn on Public Calendar, then tap Share Link to copy or send the URL for the calendar. Anyone can use the URL to subscribe to your calendar using a compatible app, such as Calendar for iOS or OS X.

Calendar settings

There are several settings in Settings > Mail, Contacts, Calendars that affect Calendar and your calendar accounts. These include:

- Syncing of past events (future events are always synced)
- Alert tone played for new meeting invitations
- Calendar time zone support, to show dates and times using a different time zone



Viewing photos and videos

Photos lets you view photos and videos on iPhone, in your:

- Camera Roll album—photos and videos you took on iPhone, or saved from an email, text message, webpage, or screenshot
- Photo Stream albums—photos in My Photo Stream and your shared photo streams (see [Photo Stream](#) on page 71)
- Photo Library and other albums synced from your computer (see [Syncing with iTunes](#) on page 16)



View photos and videos: Tap an album, then tap a thumbnail.

- *See the next or previous photo or video:* Swipe left or right.
- *Zoom in or out:* Double-tap or pinch.
- *Pan a photo:* Drag it.
- *Play a video:* Tap ► in the center of the screen. To change between full-screen and fit-to-screen viewing, double-tap the screen.

Albums you sync with iPhoto 8.0 (iLife '09) or later, or Aperture v3.0.2 or later, can be viewed by events or by faces. You can also view photos by location, if they were taken with a camera that supports geotagging.

View a slideshow: Tap a thumbnail, then tap ►. Select options, then tap Start Slideshow. To stop the slideshow, tap the screen. To set other options, go to Settings > Photos & Camera.

Stream a slideshow or video to a TV: See [AirPlay](#) on page 30.

Organizing photos and videos

Create an album: Tap Albums, tap +, enter a name, then tap Save. Select items to add to the album, then tap Done.

Note: Albums created on iPhone aren't synced back to your computer.

Add items to an album: When viewing thumbnails, tap Edit, select items, then tap Add To.

Manage albums: Tap Edit:

- *Rename an album:* Select the album, then enter a new name.
- *Rearrange albums:* Drag ≡.
- *Delete an album:* Tap .

Only albums created on iPhone can be renamed or deleted.

Photo Stream

With Photo Stream, a feature of iCloud (see [iCloud](#) on page 15), photos you take on iPhone automatically appear on your other devices set up with Photo Stream, including your Mac or PC. Photo Stream also lets you share select photos with friends and family, directly to their devices or on the web.

About Photo Stream

When Photo Stream is turned on, photos you take on iPhone (as well as any other photos added to your Camera Roll) appear in your photo stream after you leave the Camera app and iPhone is connected to the Internet via Wi-Fi. These photos appear in the My Photo Stream album on iPhone and on your other devices set up with Photo Stream.

Turn on Photo Stream: Go to Settings > iCloud > Photo Stream.

Photos added to your photo stream from your other iCloud devices also appear in My Photo Stream. iPhone and other iOS devices can keep up to 1000 of your most recent photos in My Photo Stream. Your computers can keep all your Photo Stream photos permanently.

Note: Photo Stream photos don't count against your iCloud storage.

Manage photo stream contents: In a photo stream album, tap Edit.

- *Save photos to iPhone:* Select the photos, then tap Save.
- *Share, print, copy, or save photos to your Camera Roll album:* Select the photos, then tap Share.
- *Delete photos:* Select the photos, then tap Delete.

Note: Although deleted photos are removed from photo streams on your devices, the original photos remain in the Camera Roll album on the device they originated from. Photos saved to a device or computer from a photo stream are also not deleted. To delete photos from Photo Stream, you need iOS 5.1 or later on iPhone and your other iOS devices. See support.apple.com/kb/HT4486.

Shared photo streams

Shared photo streams let you share selected photos with just the people you choose. iOS 6 and OS X Mountain Lion users can subscribe to your shared photo streams, view the latest photos you've added, "like" individual photos, and leave comments—right from their devices. You can also create a public website for a shared photo stream, to share your photos with others over the web.

Note: Shared photo streams work over both Wi-Fi and cellular networks. Cellular data charges may apply.

Turn on Shared Photo Streams: Go to Settings > iCloud > Photo Stream.

Create a shared photo stream: Tap Photo Stream, then tap . To invite other iOS 6 or OS X Mountain Lion users to subscribe to your shared photo stream, enter their email addresses. To post the photo stream on icloud.com, turn on Public Website. Name the album, then tap Create.

Add photos to a shared photo stream: Select a photo, tap , tap Photo Stream, then select the shared photo stream. To add several photos from an album, tap Edit, select the photos, then tap Share.

Delete photos from a shared photo stream: Tap the shared photo stream, tap Edit, select the photos, then tap Delete.

Edit a shared photo stream: Tap Photo Stream, then tap . You can:

- Rename the photo stream
- Add or remove subscribers, and resend an invitation
- Create a public website, and share the link
- Delete the photo stream

Sharing photos and videos

You can share photos in email, text messages (MMS or iMessage), photo streams, Twitter posts, and Facebook. Videos can be shared in email and text messages (MMS or iMessage), and on YouTube.

Share or copy a photo or video: Choose a photo or video, then tap . If you don't see , tap the screen to show the controls.

The size limit of attachments is determined by your service provider. iPhone may compress photo and video attachments, if necessary.

You can also copy photos and videos, and then paste them into an email or text message (MMS or iMessage).

Share or copy multiple photos and videos: While viewing thumbnails, tap Edit, select the photos or videos, then tap Share.

Save a photo or video from:

- *Email*: Tap to download it if necessary, tap the photo or touch and hold the video, then tap Save.
- *Text message*: Tap the item in the conversation, tap , then tap Save to Camera Roll.
- *Webpage (photo only)*: Touch and hold the photo, then tap Save Image.

Photos and videos that you receive, or that you save from a webpage, are saved to your Camera Roll album.

Printing photos

Print to AirPrint-enabled printers:

- *Print a single photo*: Tap , then tap Print.
- *Print multiple photos*: While viewing a photo album, tap Edit, select the photos, tap Share, then tap Print.

See [Printing with AirPrint](#) on page 30.

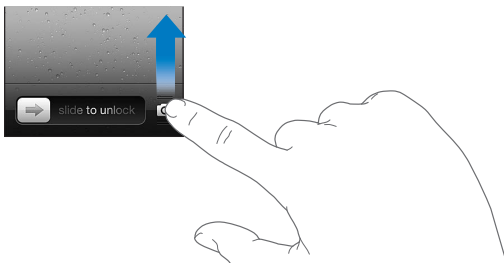
Camera

12

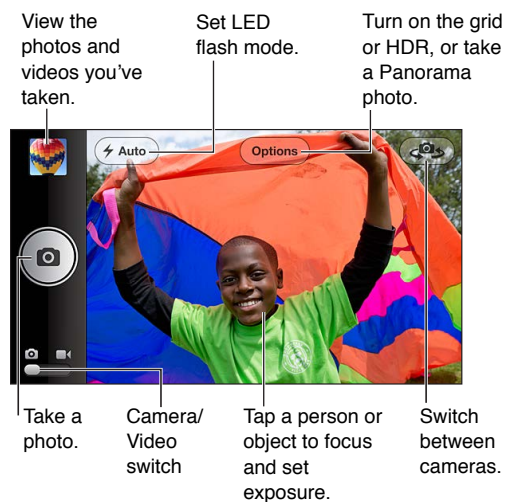


At a glance

To quickly open Camera when iPhone is locked, swipe  up.



With iPhone, you can take both still photos and videos. In addition to the iSight camera on the back, there's a FaceTime camera on the front for FaceTime calls and self-portraits. An LED flash on the back gives you extra light when you need it.



A rectangle briefly appears where the camera is focused and setting the exposure. When you photograph people with iPhone 4S or later, iPhone uses face detection to automatically focus on and balance the exposure across up to 10 faces. A rectangle appears for each face detected.

Take a photo: Tap  or press either volume button.

- *Zoom in or out:* Pinch the screen (iSight camera only).

Take a panorama photo (iPhone 4S or later): Tap Options, then tap Panorama. Point iPhone where you want to start, then tap . Pan slowly in the direction of the arrow, holding iPhone steady. Try to keep the arrow directly on top of the horizontal line. When you finish, tap Done.

- *Reverse the panning direction:* Tap the arrow.

Record a video: Switch to , then tap  or press either volume button to start or stop recording.

- *Capture a still photo while recording:* Tap .

When you take a photo or start a video recording, iPhone makes a shutter sound. You can control the volume with the volume buttons, or mute the sound using the Ring/Silent switch.

Note: In some countries, muting iPhone does not prevent the shutter sound.

If Location Services is turned on, photos and videos are tagged with location data that can be used by other apps and photo-sharing websites. See [Privacy](#) on page 140.

Set the focus and exposure:

- *Set the focus and exposure for the next shot:* Tap the object on the screen. Face detection is temporarily turned off.
- *Lock the focus and exposure:* Touch and hold the screen until the rectangle pulses. AE/AF Lock is displayed at the bottom of the screen, and the focus and exposure remain locked until you tap the screen again.

Take a screenshot: Press and release the Sleep/Wake button and the Home button  at the same time. The screenshot is added to your Camera Roll album.

HDR photos

HDR (iPhone 4 or later) combines three separate exposures into a single “high dynamic range” photo. For best results, iPhone and the subject should be stationary.

Turn on HDR: Tap Option, then set HDR. When HDR is on, the flash is turned off.

Keep the normal photo in addition to the HDR version: Go to Settings > Photos & Camera. When you keep both versions,  HDR appears in the upper-left corner of the HDR photo when viewed in your Camera Roll album with the controls visible.

Viewing, sharing, and printing

The photos and videos you take with Camera are saved in your Camera Roll album. If you have Photo Stream turned on, new photos also appear in your Photo Stream album and are streamed to your other iOS devices and computers. See [Photo Stream](#) on page 71.

View your Camera Roll album: Swipe to the right, or tap the thumbnail image. You can also view your Camera Roll album in the Photos app.

- *Show or hide the controls while viewing a photo or video:* Tap the screen.
- *Share a photo or video:* Tap . To send multiple photos or videos, tap  while viewing thumbnails, select the items, then tap Share.
- *Print a photo:* Tap . See [Printing with AirPrint](#) on page 30.
- *Delete a photo or video:* Tap .

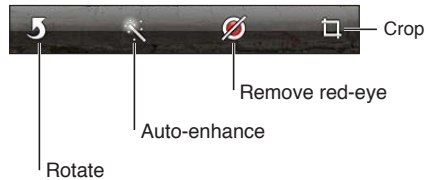
Return to the camera: Tap .

Upload photos and videos to your computer: Connect iPhone to your computer.

- *Mac:* Select the photos and videos you want, then click the Import or Download button in iPhoto or other supported photo application on your computer.
- *PC:* Follow the instructions that came with your photo application.

If you delete photos or videos from iPhone when you upload them to your computer, they're removed from your Camera Roll album. You can use the Photos settings pane in iTunes to sync photos and videos to the Photos app on iPhone (videos can be synced only with a Mac). See [Syncing with iTunes](#) on page 16.

Editing photos and trimming videos



Edit a photo: While viewing a photo in full screen, tap Edit, then tap a tool.

- *Auto-enhance:* Enhancing improves a photo's overall darkness or lightness, color saturation, and other qualities. If you decide against the enhancement, tap the tool again (even if you saved the changes).
- *Remove red-eye:* Tap each eye that needs correcting.
- *Crop:* Drag the corners of the grid, drag the photo to reposition it, then tap Crop. To set a specific ratio, tap Constrain.



Trim a video: While viewing a video, tap the screen to display the controls. Drag either end of the frame viewer at the top, then tap Trim.

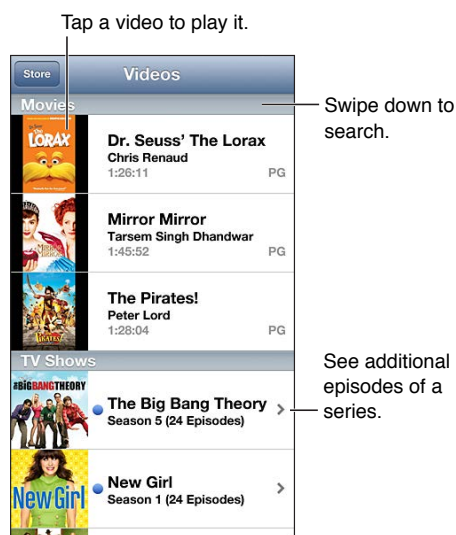
Important: If you choose Trim Original, the trimmed frames are permanently deleted from the original video. If you choose "Save as New Clip," a new trimmed video clip is saved in your Camera Roll album and the original video is unaffected.

Videos

13



Use the Videos app to watch movies, TV shows, and music videos. To watch video podcasts, install the free Podcasts app from the App Store. See Chapter 31, [Podcasts](#), on page 113. To watch videos you record using Camera on iPhone, open the Photos app.



WARNING: For important information about avoiding hearing loss, see [Important safety information](#) on page 146.

Get videos:

- *Buy or rent videos from the iTunes store (not available in all areas):* Open the iTunes app on iPhone and tap Videos. See Chapter 22, [iTunes Store](#), on page 94.
- *Transfer videos from your computer:* Connect iPhone, then sync videos in iTunes on your computer. See [Syncing with iTunes](#) on page 16.
- *Stream videos from your computer:* Turn on Home Sharing in iTunes on your computer. Then, on iPhone, go to Settings > Videos and enter the Apple ID and password you used to set up Home Sharing on your computer. Then, open Videos on iPhone and tap Shared at the top of the list of videos.

Convert a video to work with iPhone: 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. Select the video in your iTunes library and choose Advanced > "Create iPod or iPhone Version." Then add the converted video to iPhone.



Watch a video: Tap the video in the list of videos.

- *Scale the video to fill the screen or fit to the screen:* Tap or . Or, double-tap the video to scale without showing the controls.
- *Start over from the beginning:* If the video contains chapters, drag the playhead along the scrubber bar all the way to the left. If there are no chapters, tap .
- *Skip to the next or previous chapter (if available):* Tap or . You can also press the center button or equivalent on a compatible headset two times (skip to next) or three times (skip to previous).
- *Rewind or fast-forward:* Touch and hold or .
- *Select a different audio language (if available):* Tap , then choose a language from the Audio list.
- *Show or hide subtitles (if available):* Tap , then choose a language, or Off, from the Subtitles list.
- *Show or hide closed captioning (if available):* Go to Settings > Videos.
- *Watch the video on a TV:* See [Connecting iPhone to a TV or other device](#) on page 30.

Set a sleep timer: Open the Clock app and tap Timer, then swipe to set the number of hours and minutes. Tap When Timer Ends and choose Stop Playing, tap Set, then tap Start to start the timer. When the timer ends, iPhone stops playing music or video, closes any other open app, and then locks itself.

Delete a video: Swipe left or right over the video in the list. Deleting a video (other than a rented movie) from iPhone doesn't delete it from your iTunes library.

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

When you delete a video (other than a rented movie) from iPhone, it isn't deleted from your iTunes library on your computer, 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 [Syncing with iTunes](#) on page 16.

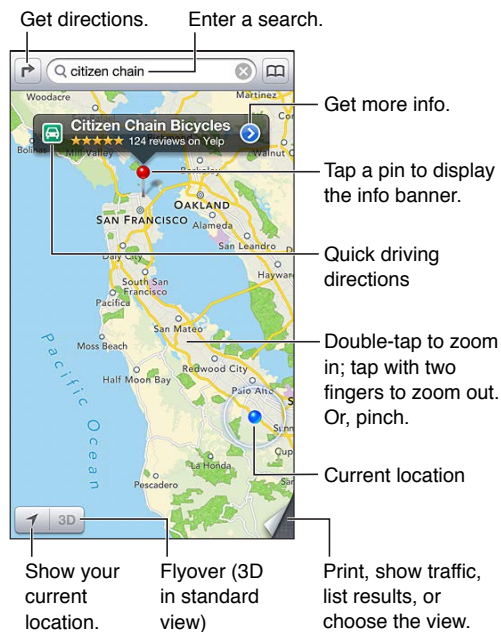
Maps

14



Finding locations

WARNING: For important information about navigating safely and avoiding distraction while driving, see [Important safety information](#) on page 146.



Important: Maps, directions, 3D, Flyover, and location-based apps depend on data services. These data services are subject to change and may not be available in all areas, resulting in maps, directions, 3D, Flyover, or location-based information that may be unavailable, inaccurate, or incomplete. Compare the information provided on iPhone to your surroundings, and defer to posted signs to resolve any discrepancies. Some Maps features require Location Services. See [Privacy](#) on page 140.

Find a location: Tap the search field, then type an address or other information, such as:

- Intersection ("8th and market")
- Area ("greenwich village")
- Landmark ("guggenheim")
- Zip code
- Business ("movies," "restaurants san francisco ca," "apple inc new york")

Or, tap one of the suggestions in the list below the search field.

Navigate maps:

- *Move up or down, left or right:* Drag the screen.
- *Rotate the map:* Rotate two fingers on the screen. A compass appears in the upper-right corner to show the map's orientation.
- *Return to the north-facing orientation:* Tap .

Find the location of a contact, or of a bookmarked or recent search: Tap .

Get and share info about a location: Tap the pin to display the info banner, then tap . When available, you can get reviews and photos from Yelp. You can also get directions, contact the business, visit the home page, add the business to your contacts, share the location, or bookmark the location.

- *Read reviews:* Tap Reviews. To use other Yelp features, tap the buttons beneath the reviews.
- *See photos:* Tap Photos.
- *Email, text, tweet, or post a location to Facebook:* Tap Share Location. To tweet or post to Facebook, you must be signed in to your accounts. See [Sharing](#) on page 29.

Use the drop pin to mark a location: Touch and hold the map until the drop pin appears.

Choose standard, hybrid, or satellite view: Tap the lower-right corner.

Report a problem: Tap the lower-right corner.

Getting directions

Get driving directions: Tap , tap , enter the starting and ending locations, then tap Route. Or, choose a location or a route from the list, when available. If multiple routes appear, tap the one you want to take. Tap Start to begin.

- *Hear turn-by-turn directions (iPhone 4S or later):* Tap Start.

Maps follows your progress and speaks turn-by-turn directions to your destination. To show or hide the controls, tap the screen.

If iPhone auto-locks, Maps stays onscreen and continues to announce instructions. You can also open another app and continue to get turn-by-turn directions. To return to Maps, tap the banner across the top of the screen.

- *View turn-by-turn directions (iPhone 4 or earlier):* Tap Start, then swipe left to see the next instruction.
- *Return to the route overview:* Tap Overview.
- *View the directions as a list:* Tap  on the Overview screen.
- *Stop turn-by-turn directions:* Tap End.

Get quick driving directions from your current location: Tap  on the banner of your destination, then tap Directions To Here.

Get walking directions: Tap , tap , enter the starting and ending locations, then tap Route. Or, choose a location or a route from the list, when available. Tap Start, then swipe left to see the next instruction.

Get public transit directions: Tap , tap , enter the starting and ending locations, then tap Route. Or, choose a location or a route from the list, when available. Download and open the routing apps for the transit services you want to use.

Show traffic conditions: Tap the bottom-right corner of the screen, then tap Show Traffic. Orange dots show slowdowns, and red dots show stop-and-go traffic. To see an incident report, tap a marker.

3D and Flyover

On iPhone 4S or later, use 3D (standard view) or Flyover (satellite or hybrid view) for three-dimensional views of many cities around the world. You can navigate in the usual ways, and zoom in to see buildings. You can also adjust the camera angle.



The Transamerica Pyramid Building is a registered service mark of Transamerica Corporation.

Use 3D or Flyover: Zoom in until **3D** or  becomes active, then tap the button. Or, drag two fingers up. You can switch between 3D and Flyover by tapping the lower-right corner and changing views.

Adjust the camera angle: Drag two fingers up or down.

Maps settings

Set options for Maps: Go to Settings > Maps. Settings include:

- Navigation voice volume (iPhone 4S or later)
- Miles or kilometers for distance
- Language and size of labels

Weather

15



Get the current temperature and six-day forecast for one or more cities around the world, with hourly forecasts for the next 12 hours. Weather also uses Location Services to get the forecast for your current location.



If the weather board is light blue, it's daytime in that city. Dark purple indicates nighttime.

Manage your list of cities: Tap ⓘ, then add a city or make other changes. Tap Done when you finish.

- *Add a city:* Tap +. Enter a city or zip code, then tap Search.
- *Rearrange the order of cities:* Drag ≡ up or down.
- *Delete a city:* Tap ⓧ, then tap Delete.
- *Choose Fahrenheit or Celsius:* Tap °F or °C.

See weather for another city: Swipe left or right.

The leftmost screen shows your local weather.

View the current hourly forecast:

- *iPhone 5:* Swipe the hourly display left or right.
- *iPhone 4S or earlier:* Tap Hourly.

Turn local weather on or off: Go to Settings > Privacy > Location Services. See [Privacy](#) on page 140.

See information about a city at yahoo.com: Tap .

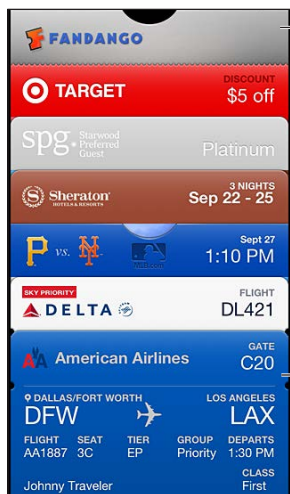
Use iCloud to push your list of cities to your other iOS devices: Go to Settings > iCloud > Documents & Data, then turn on Documents & Data (it's on by default). See [iCloud](#) on page 15.

Passbook

16



Passbook lets you organize all of your passes, such as boarding passes or movie tickets, in one place.



Tap a pass to view it.

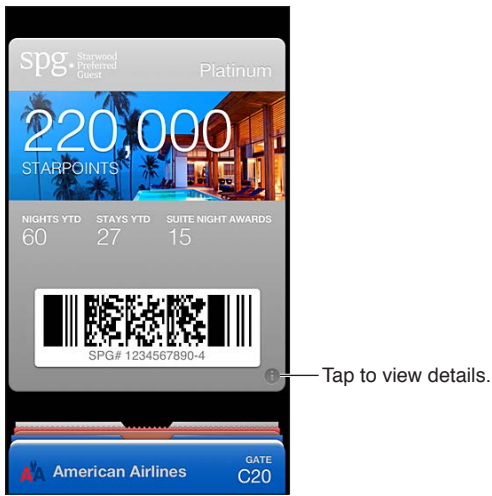
Store your gift cards, coupons, tickets, and other passes in Passbook. When you need to see or use a pass, view it in Passbook or on the Lock screen.

Add a pass to Passbook: Tap Add to Passbook on a merchant's website or in a confirmation email. You can also add a pass from a Passbook-enabled app.

You must be signed in to your iCloud account to add passes to Passbook.

Use a pass: Select the pass, then point the barcode at the reader or scanner.

If Location Services is turned on and the merchant supports it, a pass appears on your Lock screen when you need it. For example, when you arrive at the airport, your hotel, or the movie theater.



View more information: Tap ⓘ.

Delete a pass: Tap ⓘ, then tap 🗑️.

Prevent passes from appearing on your Lock screen: Go to Settings > General > Passcode Lock, tap Turn Passcode On, then go to Allow Access When Locked, and turn Passbook off.

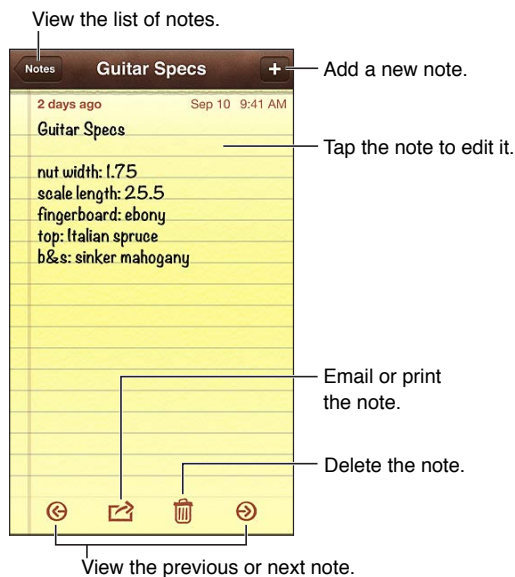
Push a pass to your other iPhone or iPod touch: Go to Settings > iCloud and turn on Passbook.

Notes

17



Type notes on iPhone, and iCloud makes them available on your other iOS devices and Mac computers. You can also read and create notes in other accounts, such as Gmail or Yahoo!.



Use iCloud to keep your notes up to date on your iOS devices and Mac computers:

- *If you use a me.com or mac.com email address for iCloud:* Go to Settings > iCloud and turn on Notes.
- *If you use a Gmail or other IMAP account for iCloud:* Go to Settings > Mail, Contacts, Calendars and turn on Notes for the account.

Choose the default account for new notes: Go to Settings > Notes.

Create a note in a specific account: Tap Accounts and select the account, then tap **+** to create the note. If you don't see the Accounts button, tap the Notes button first.

See only notes in a specific account: Tap Accounts and choose the account. If you don't see the Accounts button, tap Notes first.

Delete a note while viewing the list of notes: Swipe left or right across the note in the list.

Search for notes: While viewing the list of notes, scroll to the top of the list to reveal the search field. Tap in the field and type what you're looking for. You can also search for notes from the Home screen. See [Searching](#) on page 27.

Print or email a note: While reading the note, tap . To email the note, iPhone must be set up for email. See [Setting up mail and other accounts](#) on page 14.

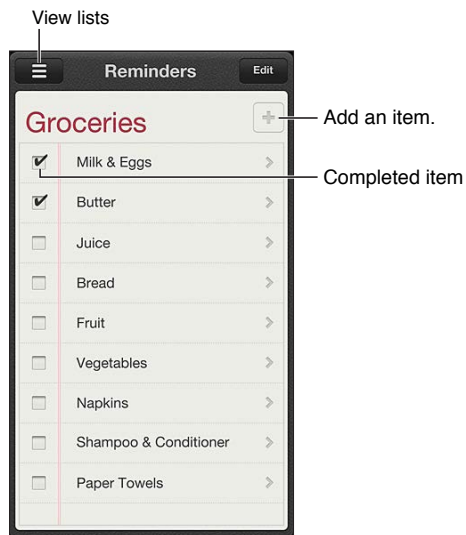
Change the font: Go to Settings > Notes.

Reminders

18



Reminders lets you keep track of all the things you need to do.



See reminder details: Tap a reminder. You can:

- Change or delete it
- Set a due date
- Set a priority
- Add notes
- Move it to a different list

Reminders can alert you when you arrive at or leave a location.

Add a location alert: While entering a reminder, tap , then turn on “Remind Me At a Location.”

To use a different location, tap your current location. Locations in the list include addresses from your personal info card in Contacts, such as the home and work addresses you’ve added. To use a different address, tap Enter an Address.

Note: Location reminders are not available on iPhone 3GS. You cannot set locations for reminders in Microsoft Exchange and Outlook accounts.

Search your reminders: Tap  to see the search field, or search from the Home screen. Reminders are searched by name. You can also use Siri to find or add reminders.

Turn off reminder notifications: Go to Settings > Notifications. For information, see [Do Not Disturb and Notifications](#) on page 132.

Set the tone played for notifications: Go to Settings > Sounds.

Keep your reminders up to date on other devices: Go to Settings > iCloud, then turn on Reminders. To keep up to date with Reminders on OS X Mountain Lion, turn on iCloud on your Mac, too. Some other types of accounts, such as Exchange, also support Reminders. Go to Settings > Mail, Contacts, Calendars and turn on Reminders for the accounts you want to use.

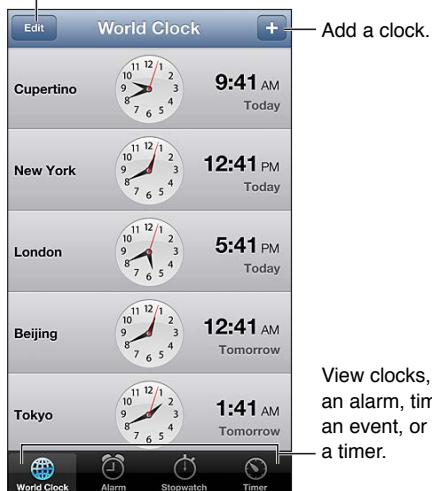
Set a default list for new reminders: Go to Settings > Mail, Contacts, Calendars, then under Reminders, tap Default List.

Clock

19



Delete clocks or change their order.



Add a clock: Tap **+**, then type the name of a city or choose a city from the list. If you don't see the city you're looking for, try a major city in the same time zone.

Organize clocks: Tap Edit, then drag **≡** to move or tap **⊖** to delete.

Set an alarm: Tap Alarm, then tap **+**.

Change an alarm: Tap Edit, then tap **>** to change settings or tap **⊖** to delete.

Set a sleep timer for iPhone: Set a timer, tap When Timer Ends, and choose Stop Playing.

Stocks

20



Keep track of your stocks, see the change in value over time, and get news about your investments.



Manage your stock list: Tap ⓘ, then add stocks or make other changes. When you finish, tap Done.

- *Add an item:* Tap +. Enter a symbol, company name, fund name, or index, then tap Search.
- *Delete an item:* Tap ⓧ.
- *Rearrange the order of items:* Drag ≡ up or down.

View stock info:

- *Switch the display to percentage change, price change, or market capitalization:* Tap any of the values along the right side of the screen.
- *See the summary, chart, or news:* Swipe the info beneath the stock list. Tap a news headline to view the article in Safari. To change the chart's time period, tap 1d, 1w, 1m, 3m, 6m, 1y, or 2y.
- *Add a news article to your reading list:* Touch and hold the news headline, then tap Add to Reading List.
- *See more stock information at yahoo.com:* Tap 🌐!.

Quotes may be delayed 20 minutes or more, depending upon the reporting service. To display your stocks as a ticker in Notification Center, see [Notifications](#) on page 28.

View a full-screen chart: Rotate iPhone to landscape orientation.

- *See the value at a specific date or time:* Touch the chart with one finger.



- *See the difference in value over time:* Touch the chart with two fingers.



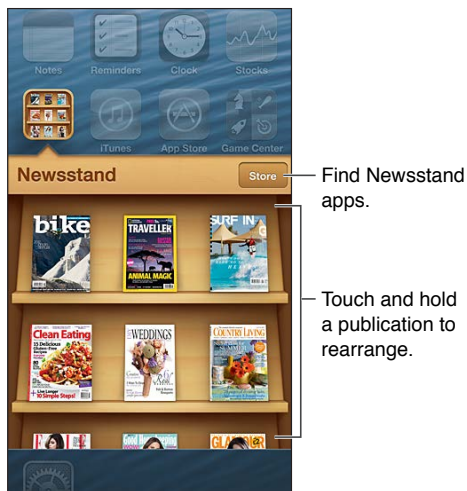
Use iCloud to keep your stock list up to date on your iOS devices: Go to Settings > iCloud > Documents & Data, then turn on Documents & Data (it's on by default). See [iCloud](#) on page 15.

Newsstand

21



Newsstand organizes your magazine and newspaper apps and lets you know when new issues are ready for reading.



Newsstand organizes magazine and newspaper apps with a shelf for easy access.

Find Newsstand apps: Tap Newsstand to reveal the shelf, then tap Store. When you purchase a newsstand app, it's added to your shelf. After the app is downloaded, open it to view its issues and subscription options. Subscriptions are In-App purchases, billed to your store account.

Turn off automatically downloading new issues: Go to Settings > Newsstand. If an app supports it, Newsstand downloads new issues when connected to Wi-Fi.

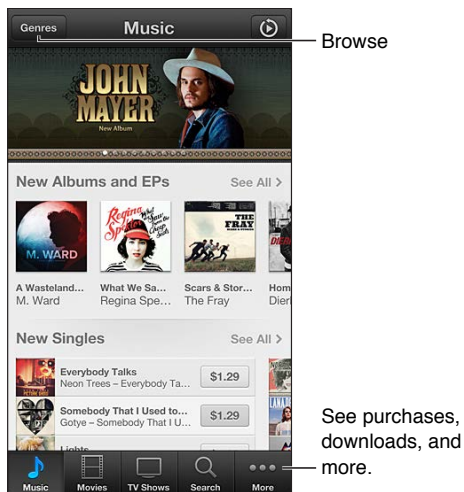
iTunes Store

22



At a glance

Use the iTunes Store to add music and TV shows, music, and podcasts to iPhone.



Use iTunes Store to:

- Find music, TV shows, movies, tones, and more, by browsing or searching
- See your personal Genius recommendations
- Download previous purchases

Note: You need an Internet connection and an Apple ID to use the iTunes Store.

Browse content: Tap one of the categories. Tap Genres to refine the listings. To see more information about an item, tap it.

Search for content: Tap Search, then tap the search field and enter one or more words, then tap Search.

Preview an item: Tap a song or video to play a sample.

Purchase an item: Tap the item's price (or tap Free), then tap again to buy it. If you already purchased the item, "Download" appears instead of the price and you won't be charged again. When items are being downloaded, tap More, then tap Downloads to see their progress.

Rent a movie: In some areas, certain movies are available to rent. You have 30 days to begin viewing a rented movie. Once you've started playing it, you can watch it as many times as you want in 24 hours. After these time limits, the movie is deleted.

Download a previous purchase: Tap More, then tap Purchased. To automatically download purchases made on other devices, go to Settings > iTunes & App Stores.

Redeem a gift card or code: Tap any category (such as music), scroll to the bottom, then tap Redeem.

View or edit your account: Go to Settings > iTunes & App Stores, tap your Apple ID, then tap View Apple ID. Tap an item to edit it. To change your password, tap the Apple ID field.

Turn iTunes Match on or off: Go to Settings > iTunes & App Stores. iTunes Match is a subscription service that stores all of your music in iCloud so you can access it from wherever you are.

Sign in using a different Apple ID: Go to Settings > iTunes & App Stores, tap your account name, then tap Sign Out. The next time you download an app, you can enter a different Apple ID.

Download purchases using the cellular network: Go to Settings > iTunes & App Stores > Use Cellular Data. Downloading purchases and using iTunes Match over the cellular network may incur charges from your carrier.

Changing the browse buttons

You can replace and rearrange the buttons at the bottom of the screen. For example, if you often download tones but don't watch many TV shows, you could replace those buttons.

Change the browse buttons: Tap More, tap Edit, then drag a button to the bottom of the screen, over the button you want to replace. When you finish, tap Done.

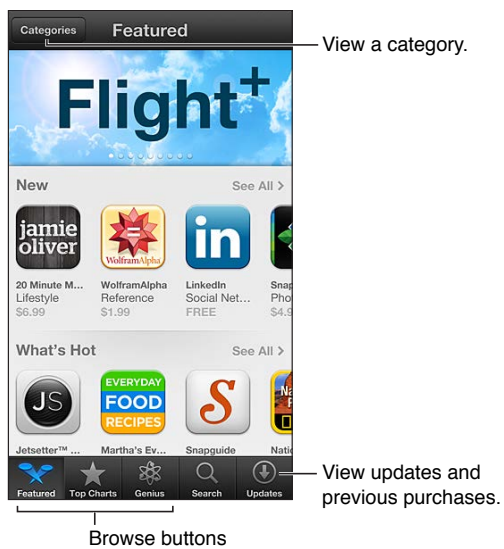
App Store

23



At a glance

Use the App Store to browse, purchase, and download apps to iPhone.



Use the App Store to:

- Find new free or purchased apps by browsing or searching
- Download previous purchases and updates
- Redeem a gift card or download code
- Recommend an app to a friend
- Manage your App Store account

Note: You need an Internet connection and an Apple ID to use the App Store.

Purchase an app: Tap the app's price (or tap Free), then tap Buy Now. If you already purchased the app, "install" appears instead of the price. You won't be charged to download it again. While an app is being downloaded, its icon appears on the Home screen with a progress indicator.

Download a previous purchase: Tap Updates, then tap Purchased. To automatically download new purchases made on other devices, go to Settings > iTunes & App Stores.

Download updated apps: Tap Updates. Tap an app to read about the new version, then tap Update to download it. Or tap Update All to download all the apps in the list.

Redeem a gift card or download code: Tap Featured, scroll to the bottom, then tap Redeem.

Tell a friend about an app: Find the app, then tap  and select how you want to share it.

View and edit your account: Go to Settings > iTunes & App Stores, tap your Apple ID, then tap View Apple ID. You can turn subscribe to iTunes newsletters, and view Apple's privacy policy. To change your password, tap the Apple ID field.

Sign in using a different Apple ID: Go to Settings > iTunes & App Stores, tap your account name, then tap Sign Out. The next time you download an app, you can enter a different Apple ID.

Create a new Apple ID: Go to Settings > iTunes & App Stores, then tap Create New Apple ID and follow the onscreen instructions.

Download purchases using the cellular network: Go to Settings > iTunes & App Stores > Use Cellular Data. Downloading purchases over the cellular network may incur charges from your carrier. Newsstand apps update only over Wi-Fi.

Deleting apps

Delete an App Store app: Touch and hold its icon on the Home screen until the icon starts to jiggle, then tap . You can't delete built-in apps. When you finish, press the Home button .

Deleting an app also deletes all of its data. You can re-download any app you've purchased from the App Store, free of charge.

For information about erasing all of your apps, data, and settings, see [Reset](#) on page 138.

Game Center

24



At a glance

Game Center lets you play your favorite games with friends who have an iPhone, iPad, iPod touch, or a Mac with OS X Mountain Lion.

WARNING: For important information about avoiding repetitive motion injuries, see [Important safety information](#) on page 146.



Sign in: Open Game Center. If you see your nickname and photo at the top of the screen, you're already signed in. If not, enter your Apple ID and password, then tap Sign In. You can use the same Apple ID you use for iCloud or Store purchases, or tap Create New Account if you want a separate Apple ID for gaming.

Purchase a game: Tap Games, then tap a recommended game or tap Find Game Center Games.

Play a game: Tap Games, choose a game, then tap Play.

Return to Game Center after playing: Press the Home button , then tap Game Center on the Home screen.

Sign out: Tap Me, tap the Account banner, then tap Sign Out. You don't need to sign out each time you quit Game Center.

Playing with friends

Invite friends to a multiplayer game: Tap Friends, choose a friend, choose a game, then tap Play. If the game allows or requires more players, choose additional players, then tap Next. Send your invitation, then wait for the others to accept. When everyone is ready, start the game. If a friend isn't available or doesn't respond to your invitation, you can tap Auto-Match to have Game Center find another player for you, or tap Invite Friend to invite someone else.

Send a friend request: Tap Friends or Requests, tap , then enter your friend's email address or Game Center nickname. To browse your contacts, tap . To add several friends in one request, type Return after each address.

Challenge someone to outdo you: Tap one of your scores or achievements, then tap Challenge Friends.

See the games a friend plays and check your friend's scores: Tap Friends, tap your friend's name, then tap Games or Points.

Purchase a game your friend has: Tap Friends, then tap the name of your friend. Tap the game in your friend's list of games, then tap the price at the top of the screen.

See a list of a friend's friends: Tap Friends, tap the friend's name, then tap Friends just below their picture.

Remove a friend: Tap Friends, tap a name, then tap Unfriend.

Keep your email address private: Turn off Public Profile in your Game Center account settings. See "Game Center settings" below.

Disable multiplayer activity or friend requests: Go to Settings > General > Restrictions and turn off Multiplayer Games or Adding Friends. If the switches are disabled, tap Enable Restrictions (at the top) first.

Report offensive or inappropriate behavior: Tap Friends, tap the person's name, then tap "Report a Problem."

Game Center settings

Some Game Center settings are associated with the Apple ID you use to sign in. Others are in the Settings app on iPhone.

Change Game Center settings for your Apple ID: Sign in with your Apple ID, tap Me, tap the Account banner, then choose View Account.

Specify which notifications you want for Game Center: Go to Settings > Notifications > Game Center. If Game Center doesn't appear, turn on Notifications.

Change restrictions for Game Center: Go to Settings > General > Restrictions.

Contacts

25



At a glance

iPhone lets you easily access and edit your contact lists from personal, business, and organizational accounts.



Set your My Info card: Go to Settings > Mail, Contacts, Calendars, then tap My Info and select the contact card with your name and information. The My Info card is used by Siri and other apps. Use the related persons fields to define relationships you want Siri to know about, so you can say things like “call my sister.”

Search contacts: Tap the search field at the top of the contact list and enter your search. You can also search your contacts from the Home screen. See [Searching](#) on page 27.

Share a contact: Tap a contact, then tap Share Contact. You can send the contact info by email or message.

Add a contact: Tap +. You can’t add contacts to a directory you’re only viewing, such as a Microsoft Exchange Global Address List.

Add a contact to your Favorites list: Choose a contact, then scroll down and tap the Add to Favorites button. The Favorites list is used by Do Not Disturb. See [Do Not Disturb and Notifications](#) on page 132.

Add a phone number to Contacts when dialing: In Phone, tap Keypad, enter a number, then tap +. Tap Create New Contact or tap “Add to Existing Contact” and choose a contact.

Add a recent caller to Contacts: In Phone, tap Recents and tap  next to the number. Then tap Create New Contact, or tap “Add to Existing Contact” and choose a contact.

Delete a contact: Choose a contact, then tap Edit. Scroll down and tap Delete Contact.

Edit a contact: Choose a contact, then tap Edit. You can:

- *Add a new field:* Tap , then choose or enter a label for the field.
- *Change a field label:* Tap the label and choose a different one. To add a new field, tap Add Custom Label.
- *Change the ringtone or text tone for the contact:* Tap the ringtone or text tone field, then choose a new sound. To change the default tone for contacts, go to Settings > Sounds.
- *Change how iPhone vibrates for call or messages from the contact:* Tap the ringtone or text tone vibration field, then select a vibration pattern. If you don’t see the vibration field, tap Edit and add it. For information about creating custom vibration patterns, see [Sounds](#) on page 139.
- *Assign a photo to the contact:* Tap Add Photo. You can take a photo with the camera or use an existing photo.
- *Update contact info using Twitter:* Go to Settings > Twitter > Update Contacts. Contacts are matched using email addresses. For friends that you’re following, their contact card is updated with their Twitter user name and photo.
- *Update contact info using Facebook:* Go to Settings > Facebook > Update Contacts. Contacts are matched using email addresses. For each match in your friend list, their contact card is updated with their Facebook user name and photo.
- *Enter a pause in a telephone number:* Tap , then tap Pause or Wait. Each pause lasts two seconds. Each wait stops dialing until you tap Dial again. Use these to automate dialing of an extension or passcode, for example.

Adding contacts

In addition to adding contacts on iPhone, you can:

- *Use your iCloud contacts:* Go to Settings > iCloud, then turn on Contacts.
- *Import your Facebook Friends:* Go to Settings > Facebook, then turn on Contacts in the “Allow These Apps to Use Your Accounts” list. This creates a Facebook group in Contacts.
- *Access a Microsoft Exchange Global Address List:* Go to Settings > Mail, Contacts, Calendars, then tap your Exchange account and turn on Contacts.
- *Set up an LDAP or CardDAV account to access business or school directories:* Go to Settings > Mail, Contacts, Calendars > Add Account > Other. Then tap “Add LDAP Account” or “Add CardDAV Account” and enter the account information.
- *Sync contacts from your computer, Yahoo!, or Google:* In iTunes on your computer, turn on contact syncing in the device info pane. For information, see iTunes Help.
- *Import contacts from a SIM card (GSM):* Go to Settings > Mail, Contacts, Calendars > Import SIM Contacts.
- *Import contacts from a vCard:* Tap a .vcf attachment in an email or message, or on a webpage.

Search a GAL, CardDAV, or LDAP server: Tap Groups, tap the directory you want to search, then enter your search.

Save contact information from a GAL, LDAP, or CardDAV server: Search for the contact you want to add, then tap Add Contact.

Show or hide a group: Tap Groups then select the groups you want to see. This button only appears if you have more than one source of contacts.

When you have contacts from multiple sources, you might have multiple entries for the same person. To keep redundant contacts from appearing in the All Contacts list, contacts from different sources that have the same name are linked and displayed as a single *unified contact*. When you view a unified contact, the title Unified Info appears at the top of the screen.

Link a contact: Edit a contact, tap Edit, then tap  and choose the contact entry to link to. Linked contacts aren't merged. If you change or add information in a unified contact, the changes are copied to each source account where that information already exists.

If you link contacts with different first or last names, the names on the individual cards won't change, but only one name appears on the unified card. To choose which name appears when you view the unified card, tap the linked card with the name you prefer, then tap Use This Name For Unified Card.

View contact information from a source account: Tap one of the source accounts.

Unlink a contact: Tap Edit, tap , then tap Unlink.

Contacts settings

To change Contacts settings, go to Settings > Mail, Contacts, Calendars. Available options let you:

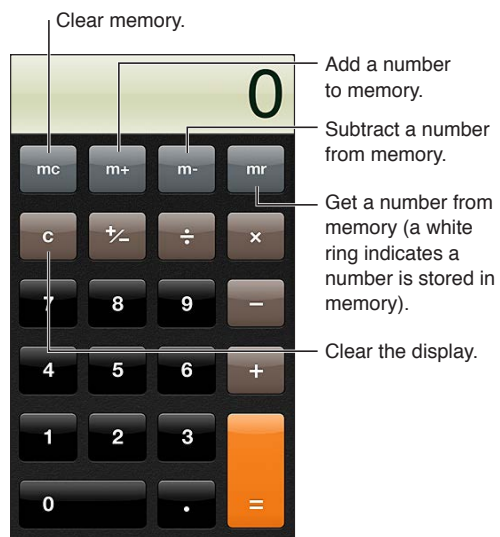
- Change how contacts are sorted
- Display contacts by first or last name
- Set a default account for new contacts
- Set your My Info card

Calculator

26



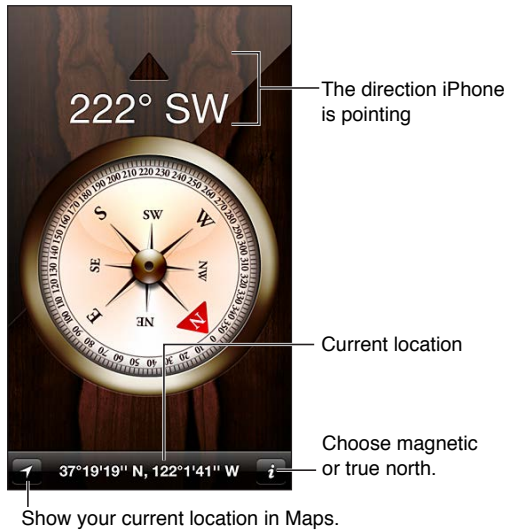
Tap numbers and functions in Calculator just as you would with a standard calculator.



Use the scientific calculator: Rotate iPhone to landscape orientation.

Compass

27



Find the direction your iPhone is pointing: Hold iPhone flat in your hand, level with the ground. If Location Services is turned off when you open Compass, you may be asked to turn it on. You can use Compass without turning on Location Services. See [Privacy](#) on page 140.

Important: The accuracy of the compass can be affected by magnetic or environmental interference; even the magnets in the iPhone earbuds can cause a deviation. Use the digital compass only for basic navigation assistance and don't rely on it to determine precise location, proximity, distance, or direction.



At a glance

Voice Memos lets you use iPhone as a portable recording device using the built-in microphone, iPhone or Bluetooth headset mic, or supported external microphone.



Make a recording: Tap  or press the center button on your headset. Tap  to pause or  to stop recording, or press the center button on your headset.

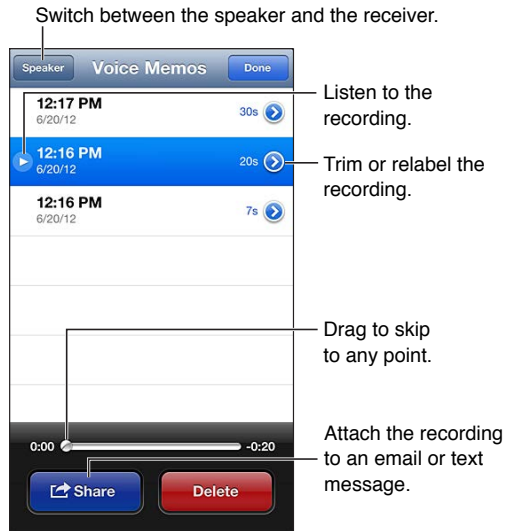
Recordings using the built-in microphone are mono, but you can record stereo using an external stereo microphone that works with the iPhone headset jack, or with the Lightning connector (iPhone 5) or Dock connector (earlier iPhone models). Look for accessories marked with the Apple “Made for iPhone” or “Works with iPhone” logo.

Adjust the recording level: Move the microphone closer to or further away from what you’re recording. For better recording quality, the loudest level on the level meter should be between -3 dB and 0 dB.

Play or mute the start/stop tone: Use the iPhone volume buttons to turn the volume all the way down.

Use another app while recording: Press the Home button  and open an app. To return to Voice Memos, tap the red bar at the top of the screen.

Play a recording: Tap , tap a recording, then tap . Tap  to pause.



Trim a recording: Tap  next to the recording, then tap Trim Memo. Drag the edges of the audio region, then tap  to preview. Adjust if necessary, then tap Trim Voice Memo to save. The portions you trim can't be recovered.

Sharing voice memos with your computer

iTunes can sync voice memos with your iTunes library when you connect iPhone to your computer.

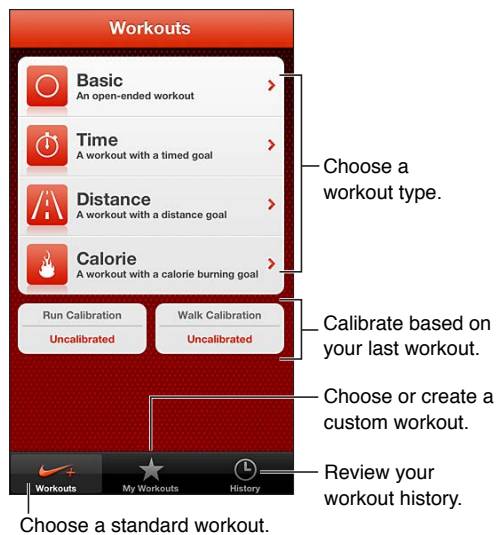
When you sync voice memos to iTunes, they remain in the Voice Memos app until you delete them. If you delete a voice memo on iPhone, it isn't deleted from the Voice Memos playlist in iTunes. However, if you delete a voice memo from iTunes, it *is* deleted from iPhone the next time you sync with iTunes.

Sync voice memos with iTunes: Connect iPhone to your computer and select iPhone in the iTunes device list. Select Music at the top of the screen (between Apps and Movies), select Sync Music, select "Include voice memos," and click Apply.

The voice memos from iPhone appear in the Voice Memos playlist in iTunes.



With a Nike + iPod Sensor (sold separately), the Nike + iPod app provides audible feedback on your speed, distance, time elapsed, and calories burned during a run or walk.



The Nike + iPod app doesn't appear on the Home screen until you turn it on.

Turn on Nike + iPod: Go to Settings > Nike + iPod.

Nike + iPod collects workout data from a wireless sensor (sold separately) that you attach to your shoe. Before you use it the first time, you need to link your sensor to iPhone.

Link your sensor to iPhone: Attach the sensor to your shoe, then go to Settings > Nike + iPod > Sensor.

Start a workout: Tap Workouts, and choose a workout.

- *Pause a workout:* Wake iPhone and tap **||** on the lock screen. Tap **▶** when you're ready to continue.
- *End a workout:* Wake iPhone, tap **||**, then tap End Workout.

Change workout settings: Go to Settings > Nike + iPod.

Calibrate Nike + iPod: Record a workout over a known distance of at least a quarter mile (400 meters). Then, after you tap End Workout, tap Calibrate on the workout summary screen and enter the actual distance you covered.

Reset to the default calibration: Go to Settings > Nike + iPod.

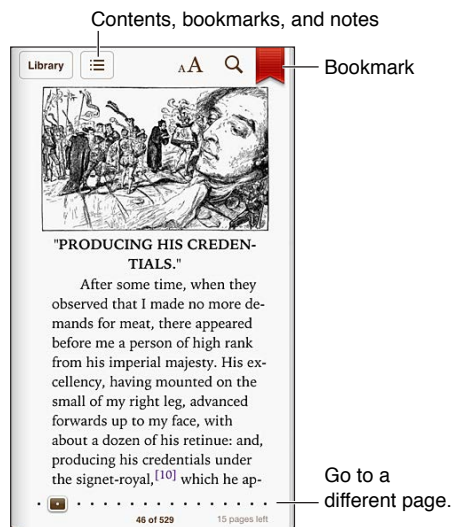
Send workout data to nikeplus.com: With iPhone connected to the Internet, open Nike + iPod, tap History, then tap “Send to Nike+.”

See your workouts on nikeplus.com: In Safari, go to nikeplus.com, log in to your account, and follow the onscreen instructions.



At a glance

iBooks is a great way to read and buy books. Download the free iBooks app from the App Store, and then enjoy everything from classics to bestsellers.



iBooks is a great way to enjoy books and PDFs. Download the free iBooks app from the App Store, and then get everything from classics to bestsellers from the built-in iBookstore. To download the iBooks app and use the iBookstore, you need an Internet connection and an Apple ID.

Visit the iBookstore: In iBooks, tap Store to:

- Find books by browsing or searching
- Get a sample of a book to see if you like it
- Read and write reviews, and see current bestsellers
- Tell a friend about a book via email

Purchase a book: Find one you want, tap the price, then tap again to get it.

Get information about a book: You can read a summary of the book, read reviews, and try a sample of the book before buying it. After buying a book, you can write a review of your own.

Download a previous purchase: Tap Purchased. To download while browsing, tap Download where you usually see the price. You won't be charged again. To automatically download items purchased on other devices, go to Settings > iTunes & App Stores.

Reading books

Reading a book is easy. Go to the bookshelf and tap the book you want to read. Each book has a particular set of features, based on its contents and format. Some of the features described below might not be available in the book you're reading.

Open a book: Tap the book you want to read. If you don't see it on the shelf, swipe left or right to see other collections.

- *Show the controls:* Tap near the center of the page.
- *Enlarge an image:* Double-tap the image. In some books, touch and hold to display a magnifying glass you can use to view an image.
- *Go to a specific page:* Use the page navigation controls at the bottom of the screen. Or, tap  and enter a page number, then tap the page number in the search results.
- *Look up a word:* Double-tap a word, use the grab points to adjust the selection, then tap Define in the menu that appears. Definitions are not available for all languages.
- *View the table of contents:* Tap . With some books, you can also pinch to see the table of contents.
- *Add or remove a bookmark:* Tap . Tap again to remove the bookmark. You don't need to add a bookmark when you close the book, because iBooks remembers where you left off. You can have multiple bookmarks—to see them all, tap , then tap Bookmarks.

Annotate a book: You can add notes and highlights to a book.

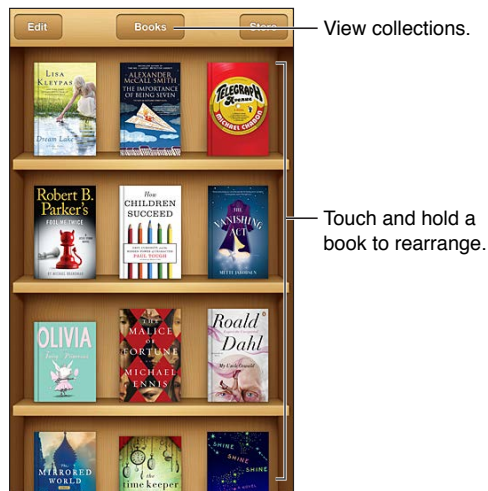
- *Add a highlight:* Double-tap a word, use the grab points to adjust the selection, then tap Highlight and choose a color or underline.
- *Remove a highlight:* Tap the highlighted text, then tap .
- *Add a note:* Double-tap a word, tap Highlight, then choose  from the menu that appears.
- *Remove a note:* Delete its text. To remove the note and its highlight, tap the highlighted text, then tap .
- *See all your notes:* Tap  then tap Notes. Tap  to print or email your notes.

Change a book's appearance: Some books let you change the type size, font, and page color.

- *Change the font or type size:* Tap near the center of a page to display the controls, then tap . Tap Fonts to select a typeface. Some books allow you to change the type size only when iPhone is in portrait orientation.
- *Change the color of the page and text:* Tap near the center of the page to display the controls, tap , then tap Theme. This setting applies to all books that support it.
- *Change the brightness:* Tap near the center of a page to display the controls, then tap . If you don't see , tap  first.
- *Turn justification and hyphenation on or off:* Go to Settings > iBooks. PDFs and some books can't be justified or hyphenated.

Organizing the bookshelf

Use the bookshelf to browse your books and PDFs. You can also organize items into collections.



Move a book or PDF to a collection: Tap Edit. Select the items you want to move, then tap Move and select a collection.

View and manage collections: Tap the name of the current collection at the top of the screen, such as Books or PDFs, to display the collections list. You can't edit or remove the built-in Books and PDFs collections.

Sort the bookshelf: Tap the status bar to scroll to the top of the screen, then tap  and select a sort method at the bottom of the screen.

Delete an item from the bookshelf: Tap Edit, then tap each item that you want to delete, so that a checkmark appears. Tap Delete. When you finish, tap Done. If you delete an item you purchased, you can download it again from Purchases in the iBookstore.

Search for a book: Go to the bookshelf. Tap the status bar to scroll to the top of the screen, then tap . Searching looks for the title and the author's name.

Syncing books and PDFs

Use iTunes to sync your books and PDFs between iPhone and your computer, and to buy books from the iTunes Store. When iPhone is connected to your computer, the Books pane lets you select which items to sync. You can also find DRM-free ePub books and PDFs on the web and add them to your iTunes library.

Sync a book or PDF to iPhone: In iTunes on your computer, choose File > Add to Library and select the file. Then sync.

Add a book or PDF to iBooks without syncing: If the book or PDF isn't too large, email it to yourself from your computer. Open the email message on iPhone, then touch and hold the attachment and choose "Open in iBooks" from the menu that appears.

Printing or emailing a PDF

You can use iBooks to email a copy of a PDF, or to print all or a portion of the PDF to an AirPrint printer.

Email a PDF: Open the PDF, tap  then choose Email Document.

Print a PDF: Open the PDF, tap  then choose Print. For more information, see [Printing with AirPrint](#) on page 30.

iBooks settings

iBooks stores your collections, bookmarks, notes, and current page information using your Apple ID, so you can read books seamlessly across all your iOS devices. iBooks saves information for all of your books when you open or quit the app. Information for individual books is also saved when you open or close the book.

Turn syncing on or off: Go to Settings > iBooks. You can sync collections and bookmarks, too.

Some books might access video or audio that's stored on the web. If iPhone has a cellular data connection, playing these files may incur carrier charges.

Turn online video and audio access on or off: to Settings > iBooks > Online Audio & Video.

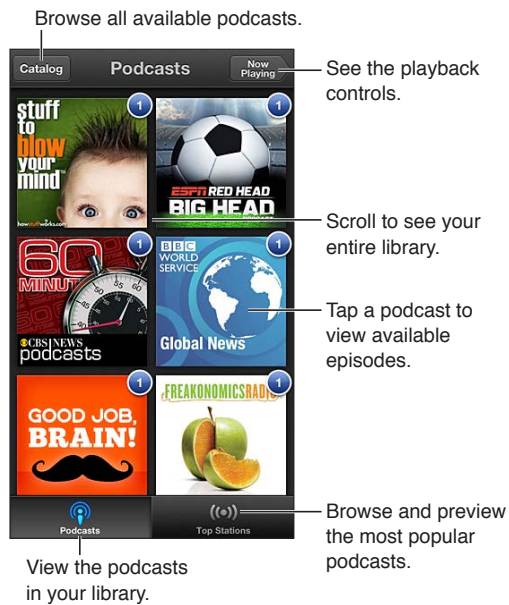
Change the direction the page turns when you tap the left margin: Go to Settings > iBooks > Tap Left Margin.

Podcasts

31



Download the free Podcasts app from the App Store, then browse, subscribe to, and play your favorite audio and video podcasts.



Get podcasts:

- *Browse the full catalog:* Tap Catalog, then tap any podcast that interests you.
- *Browse the most popular podcasts:* Tap Top Stations (if you don't see it, tap Library first). Swipe left or right to change the category, or swipe up or down to browse the current category. Tap a podcast to preview the latest episode, or tap ⓘ to see a list of episodes.
- *Stream an episode:* Tap any episode.
- *Download an episode so you can listen to it when you're not connected to Wi-Fi:* Tap ⬇️ next to any episode.
- *Subscribe to a podcast to always get the latest episode:* If you're browsing the catalog, tap a podcast to see the list of episodes, then tap Subscribe. If you've already downloaded an episode, tap the podcast in your library, then tap it again at the top of the list of episodes, and turn on Subscription.
- *Automatically get the latest episode of a subscribed podcast:* Tap the podcast in your library, tap it again at the top of the episode list, then turn on Auto-Download.

Control audio playback: Swipe up on the artwork of the currently playing podcast to see all of the playback controls.



Control video playback: Tap the screen while you're watching a video podcast.

Accessibility features

iPhone incorporates these accessibility features:

- VoiceOver
- Call audio routing
- Siri voice assistant
- Zoom magnification
- Large Text
- Invert Colors
- Speak Selection
- Speak Auto-text
- Mono Audio and balance
- Hearing aids and Hearing Aid Mode
- Assignable ringtones and vibrations
- LED Flash for Alerts
- Guided Access
- AssistiveTouch
- Support for braille displays
- Playback of closed-captioned content

Turn on accessibility features using iPhone: Go to Settings > General > Accessibility.

Turn on accessibility features using iTunes: Connect iPhone to your computer and select iPhone in the iTunes device list. Click Summary, then click Configure Universal Access at the bottom of the Summary screen.

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

Large Text can only be turned on or off in iPhone settings. See [Large Text](#) on page 125.

VoiceOver

VoiceOver describes aloud what appears onscreen, so you can use iPhone without seeing it.

VoiceOver tells you about each item on the screen as you select it. When you select an item, the VoiceOver cursor (a black rectangle) encloses it and VoiceOver speaks the name or describes the item.

Touch the screen or drag your fingers to hear different items on the screen. When you select text, VoiceOver reads the text. If you turn on Speak Hints, VoiceOver may tell you the name of the item and provide instructions—for example, “double-tap to open.” To interact with items on the screen, such as buttons and links, use the gestures described in [Learning VoiceOver gestures](#) on page 118.

When you go to a new screen, VoiceOver plays a sound, then selects and speaks the first item on the screen (typically in the upper-left corner). VoiceOver also lets you know when the display changes to landscape or portrait orientation, and when the screen becomes locked or unlocked.

Note: VoiceOver speaks in the language specified in International settings, which may be influenced by the Region Format setting in Settings > General > International. VoiceOver is available in many languages, but not all.

VoiceOver basics

Important: VoiceOver changes the gestures you use to control iPhone. Once VoiceOver is turned on, you must use VoiceOver gestures to operate iPhone—even to turn VoiceOver off again and resume standard operation.

Turn VoiceOver on or off: Go to Settings > General > Accessibility > VoiceOver. You can also set Triple-click Home to turn VoiceOver on or off. See [Triple-click Home](#) on page 124.

Explore the screen: Drag your finger over the screen. VoiceOver speaks each item you touch. Lift your finger to leave an item selected.

- *Select an item:* Tap it, or lift your finger while dragging over it.
- *Select the next or previous item:* Swipe right or left with one finger. Item order is left-to-right, top-to-bottom.
- *Select the item above or below:* Use the rotor to turn on Vertical Navigation, then swipe up or down with one finger.
- *Select the first or last item on the screen:* Swipe up or down with four fingers.
- *Select an item by name:* Triple-tap with two fingers anywhere on the screen to open the Item Chooser. Then type a name in the search field, or swipe right or left to move through the list alphabetically, or tap the table index to the right of the list and swipe up or down to move quickly through the list of items.
- *Change the name of the selected item so it's easier to find:* Tap and hold with two fingers anywhere on the screen.
- *Speak the text of the selected item:* Set the rotor control to characters or words, then swipe down or up with one finger.
- *Turn spoken hints on or off:* Go to Settings > General > Accessibility > VoiceOver.
- *Include phonetic spelling:* Go to Settings > General > Accessibility > VoiceOver > Use Phonetics.
- *Speak the entire screen from the top:* Swipe up with two fingers.
- *Speak from the current item to the bottom of the screen:* Swipe down with two fingers.
- *Stop speaking:* Tap once with two fingers. Tap again with two fingers to resume speaking. Speaking resumes when you select another item.
- *Mute VoiceOver:* Triple-tap with three fingers. Triple-tap again with three fingers to turn speaking back on. To turn off only VoiceOver sounds, set the Ring/Silent switch to Silent. If an external keyboard is connected, you can also press the Control key on the keyboard to mute or unmute VoiceOver.

Adjust the speaking voice: You can adjust the characteristics of the VoiceOver speaking voice to make it easier for you to understand:

- *Change the speaking volume:* Use the volume buttons on iPhone. You can also add volume to the rotor and swipe up and down to adjust; see [Using the VoiceOver rotor control](#) on page 119.
- *Change the speaking rate:* Go to Settings > General > Accessibility > VoiceOver and drag the Speaking Rate slider. You can also add Speech Rate to the rotor, then swipe up or down to adjust.
- *Use pitch change:* VoiceOver uses a higher pitch when speaking the first item of a group (such as a list or table) and a lower pitch when speaking the last item of a group. Go to Settings > General > Accessibility > VoiceOver > Use Pitch Change.
- *Change the language for iPhone:* Go to Settings > General > International > Language. VoiceOver pronunciation of some languages is affected by Settings > General > International > Region Format.
- *Change pronunciation:* Set the rotor to Language, then swipe up or down. Language is available in the rotor only if you select more than one pronunciation.
- *Select the pronunciations available in the language rotor:* Go to Settings > General > Accessibility > VoiceOver > Language Rotor. To change the position of a language in the list, drag  up or down.
- *Change the basic reading voice:* Go to Settings > General > Accessibility > VoiceOver > Use Compact Voice.

Using iPhone with VoiceOver

Unlock iPhone: Select the Unlock slide, then double-tap the screen.

“Tap” to activate the selected item: Double-tap anywhere on the screen.

“Double-tap” the selected item: Triple-tap anywhere on the screen.

Adjust a slider: Select the slider, then swipe up or down with one finger.

Use a standard gesture when VoiceOver is turned on: Double-tap and hold your finger on the screen. A series of tones indicates that normal gestures are in force. They remain in effect until you lift your finger, when VoiceOver gestures resume.

Scroll a list or area of the screen: Swipe up or down with three fingers. When paging through a list, VoiceOver speaks the range of items displayed (for example, “showing rows 5 through 10”).

- *Scroll continuously through a list:* Double-tap and hold. When you hear a series of tones, move your finger up or down to scroll the list. Continuous scrolling stops when you lift your finger.
- *Use a list index:* Some lists have an alphabetical index along the right side. The index can’t be selected by swiping between items; you must touch the index directly to select it. With the index selected, swipe up or down to move along the index. You can also double-tap, then slide your finger up or down.
- *Reorder a list:* You can change the order of items in some lists, such as the Rotor and Language Rotor items in Accessibility settings. Select  on the right side of an item, double-tap and hold until you hear a sound, then drag up or down. VoiceOver speaks the item you’ve moved above or below, depending on the direction you’re dragging.

Rearrange your Home screen: On the Home screen, select the icon you want to move. Double-tap and hold the icon, then drag it. VoiceOver speaks the row and column position as you drag the icon. Release the icon when it’s in the location you want. You can drag additional icons. Drag an item to the left or right edge of the screen to move it to a different page of the Home screen. When you finish, press the Home button .

Speak the iPhone status information: Tap the top of the screen to hear information about the time, battery life, Wi-Fi signal strength, and more.

Speak notifications: Go to Settings > General > Accessibility > VoiceOver and turn on Speak Notifications. Notifications, including the text of incoming text messages, are spoken as they occur, even if iPhone is locked. Unacknowledged notifications are repeated when you unlock iPhone.

Turn the screen curtain on or off: Tap four times with three fingers. When the screen curtain is on, the screen contents are active even though the display is turned off.

Learning VoiceOver gestures

When VoiceOver is turned on, the standard touchscreen gestures have different effects. These and some additional gestures let you move around the screen and control individual items when they're selected. VoiceOver gestures include two- and three-finger gestures to tap or swipe. For best results when using two- and three-finger gestures, relax and let your fingers touch the screen with some space between them.

You can use different techniques to enter VoiceOver gestures. For example, you can enter a two-finger tap using two fingers from one hand, or one finger from each hand. You can also use your thumbs. Many find the "split-tap" gesture especially effective: instead of selecting an item and double-tapping, you can touch and hold an item with one finger, then tap the screen with another finger. Try different techniques to discover which works best for you.

If your gestures don't work, try quicker movements, especially for double-tapping and swiping gestures. To swipe, try quickly brushing the screen with your finger or fingers. When VoiceOver is turned on, the VoiceOver Practice button appears, which gives you a chance to practice VoiceOver gestures before proceeding.

Practice VoiceOver gestures: Go to Settings > General > Accessibility > VoiceOver, then tap VoiceOver Practice. When you finish practicing, tap Done. If you don't see the VoiceOver Practice button, make sure VoiceOver is turned on.

Here's a summary of key VoiceOver gestures:

Navigate and read

- *Tap:* Speak the item.
- *Swipe right or left:* Select the next or previous item.
- *Swipe up or down:* Depends on the Rotor Control setting. See [Using the VoiceOver rotor control](#) on page 119.
- *Two-finger tap:* Stop speaking the current item.
- *Two-finger flick up:* Read all from the top of the screen.
- *Two-finger flick down:* Read all from the current position.
- *Two-finger "scrub":* Move two fingers back and forth three times quickly (making a "z") to dismiss an alert or go back to the previous screen.
- *Three-finger swipe up or down:* Scroll one page at a time.
- *Three-finger swipe right or left:* Go to the next or previous page (such as the Home screen, Stocks, or Safari).
- *Three-finger tap:* Speak additional information, such as position within a list or whether text is selected.
- *Four-finger tap at top of screen:* Select the first item on the page.
- *Four-finger tap at bottom of screen:* Select the last item on the page.

Activate

- *Double-tap*: Activate the selected item.
- *Triple-tap*: Double-tap an item.
- *Split-tap*: As an alternative to selecting an item and double-tapping to activate it, touch an item with one finger, and then tap the screen with another.
- *Double-tap and hold (1 second) + standard gesture*: Use a standard gesture. The double-tap and hold gesture tells iPhone to interpret the next gesture as standard. For example, you can double-tap and hold, and then without lifting your finger, drag your finger to slide a switch.
- *Two-finger double-tap*: Answer or end a call. Play or pause in Music, Videos, Voice Memos, or Photos. Take a photo in Camera. Start or pause recording in Camera or Voice Memos. Start or stop the stopwatch.
- *Two-finger double-tap and hold*: Change an item's label to make it easier to find.
- *Two-finger triple-tap*: Open the Item Chooser.
- *Three-finger triple-tap*: Mute or unmute VoiceOver.
- *Three-finger quadruple-tap*: Turn the screen curtain on or off.

Using the VoiceOver rotor control

Use the rotor to choose what happens when you swipe up or down with VoiceOver turned on.

Operate the rotor: Rotate two fingers on the iPhone screen around a point between them.



Change the options included in the rotor: Go to Settings > General > Accessibility > VoiceOver > Rotor and select the options you want to be available using the rotor.

The effect of the rotor setting depends on what you're doing. For example, if you're reading an email, you can use the rotor to switch between hearing text spoken word-by-word or character-by-character when you swipe up or down. If you're browsing a webpage, you can set the rotor to speak all the text (either word-by-word or character-by-character), or to jump from one item to another of a certain type, such as headers or links.

Entering and editing text with VoiceOver

When you enter an editable text field, you can use the onscreen keyboard or an external keyboard connected to iPhone to enter text.

Enter text: Select an editable text field, double-tap to display the insertion point and the onscreen keyboard, then type characters.

- *Standard typing*: Select a key on the keyboard by swiping left or right, then double-tap to enter the character. Or move your finger around the keyboard to select a key and, while continuing to touch the key with one finger, tap the screen with another finger. VoiceOver speaks the key when it's selected, and again when the character is entered.
- *Touch typing*: Touch a key on the keyboard to select it, then lift your finger to enter the character. If you touch the wrong key, move your finger on the keyboard until you select the key you want. VoiceOver speaks the character for each key as you touch it, but doesn't enter a character until you lift your finger. Touch typing works only for the keys that enter text—use standard typing for other keys such as Shift, Delete, and Return.

- *Choose standard or touch typing:* With VoiceOver turned on and a key selected on the keyboard, use the rotor to select Typing Mode, then swipe up or down.

Move the insertion point: Swipe up or down to move the insertion point forward or backward in the text. Use the rotor to choose whether you want to move the insertion point by character, by word, or by line.

VoiceOver makes a sound when the insertion point moves, and speaks the character, word, or line that the insertion point moves across. When moving forward by words, the insertion point is placed at the end of each word, before the space or punctuation that follows. When moving backward, the insertion point is placed at the end of the preceding word, before the space or punctuation that follows it.

Move the insertion point past the punctuation at the end of a word or sentence: Use the rotor to switch back to character mode.

When moving the insertion point by line, VoiceOver speaks each line as you move across it. When moving forward, the insertion point is placed at the beginning of the next line (except when you reach the last line of a paragraph, when the insertion point is moved to the end of the line just spoken). When moving backward, the insertion point is placed at the beginning of the line that's spoken.

Change typing feedback: Go to Settings > General > Accessibility > VoiceOver > Typing Feedback.

Use phonetics in typing feedback: Go to Settings > General > Accessibility > VoiceOver > Use Phonetics. Text is read character-by-character. Voiceover first speaks the character, then its phonetic equivalent—for example, “f” and then “foxtrot.”

Delete a character: Select the , then double-tap or split-tap. You must do this even when touch typing. To delete multiple characters, touch and hold the Delete key, then tap the screen with another finger once for each character you want to delete. VoiceOver speaks the character as it's deleted. If Use Pitch Change is turned on, VoiceOver speaks deleted characters in a lower pitch.

Select text: Set the rotor to Edit, swipe up or down to choose Select or Select All, then double tap. If you chose Select, the word closest to the insertion point is selected when you double-tap. If you chose Select All, all text is selected. Pinch to increase or decrease the selection.

Cut, copy, or paste: Make sure the rotor is set to Edit. With text selected, swipe up or down to choose Cut, Copy, or Paste, then double-tap.

Undo: Shake iPhone, swipe left or right to choose the action to undo, then double-tap.

Enter an accented character: In standard typing mode, select the plain character, then double-tap and hold until you hear a sound indicating alternate characters have appeared. Drag left or right to select and hear the choices. Release your finger to enter the current selection.

Change the keyboard language: Set the rotor to Language, then swipe up or down. Choose “default language” to use the language specified in International settings. The Language rotor appears only if you select more than one language in Settings > General > Accessibility > VoiceOver > Language Rotor.

Making phone calls with VoiceOver

Answer or end a call: Double-tap the screen with two fingers.

When a phone call is established with VoiceOver on, the screen displays the numeric keypad by default, instead of showing call options.

Display call options: Select the Hide Keypad button in the lower-right corner and double-tap.

Display the numeric keypad again: Select the Keypad button near the center of the screen and double-tap.

Using VoiceOver with Safari

When you search the web in Safari with VoiceOver on, the Search Results rotor items lets you hear the list of suggested search phrases.

Search the web: Select the search field, enter your search, then swipe right or left to move down or up the list of suggested search phrases. Then double-tap the screen to search the web using the selected phrase.

Set the rotor options for web browsing: Go to Settings > General > Accessibility > VoiceOver > Rotor. Tap to select or deselect options, or drag  up to reposition an item.

Skip images while navigating: Go to Settings > General > Accessibility > VoiceOver > Navigate Images. You can choose to skip all images or only those without descriptions.

Reduce page clutter for easier reading and navigation: Select the Reader item in the Safari address field (not available for all pages).

Using VoiceOver with Maps

You can use VoiceOver to explore a region, browse points of interest, follow roads, zoom in or out, select a pin, or get information about a location.

Explore the map: Drag your finger around the screen, or swipe left or right to move to another item.

Zoom in or out: Select the map, set the rotor to Zoom, then swipe up or down with one finger.

Pan the map: Swipe with three fingers.

Browse visible points of interest: Set the rotor to Points of Interest, then swipe up or down with one finger.

Follow a road: Hold your finger down on the road, wait until you hear “pause to follow,” then move your finger along the road while listening to the guide tone. The pitch increases when you stray from the road.

Select a pin: Touch a pin, or swipe left or right to select the pin.

Get information about a location: With a pin selected, double-tap to display the information flag. Swipe left or right to select the More Info button, then double-tap to display the information page.

Hear location cues as you move about: Turn on tracking with heading to hear street names and points of interest as you approach them.

Editing videos and voice memos with VoiceOver

You can use VoiceOver gestures to trim Camera videos and Voice Memo recordings.

Trim a voice memo: On the Voice Memos screen, select the button to the right of the memo you want to trim, then double-tap. Then select Trim Memo and double-tap. Select the beginning or end of the trim tool. Swipe up to drag right, or swipe down to drag left. VoiceOver announces the amount of time the current position will trim from the recording. To complete the trim, select Trim Voice Memo and double-tap.

Trim a video: While viewing a video in Photos, double-tap the screen to display the video controls, then select the beginning or end of the trim tool. Then swipe up to drag to the right, or swipe down to drag to the left. VoiceOver announces the amount of time the current position will trim from the recording. To complete the trim, select Trim and double-tap.

Controlling VoiceOver using an Apple Wireless Keyboard

You can control VoiceOver using an Apple Wireless Keyboard paired with iPhone. See [Apple Wireless Keyboard](#) on page 24.

You can use VoiceOver keyboard commands to navigate the screen, select items, read screen contents, adjust the rotor, and perform other VoiceOver actions. All the keyboard commands (except one) include Control-Option, abbreviated in the table below as “VO.”

VoiceOver Help speaks keys or keyboard commands as you type them. You can use VoiceOver Help to learn the keyboard layout and the actions associated with key combinations.

VoiceOver keyboard commands

VO = Control-Option

- *Read all, starting from the current position:* VO–A
- *Read from the top:* VO–B
- *Move to the status bar:* VO–M
- *Press the Home button:* VO–H
- *Select the next or previous item:* VO–Right Arrow or VO–Left Arrow
- *Tap an item:* VO–Space bar
- *Double-tap with two fingers:* VO–“-”
- *Choose the next or previous rotor item:* VO–Up Arrow or VO–Down Arrow
- *Choose the next or previous speech rotor item:* VO–Command–Left Arrow or VO–Command–Right Arrow
- *Adjust the speech rotor item:* VO–Command–Up Arrow or VO–Command–Down Arrow
- *Mute or unmute VoiceOver:* VO–S
- *Turn the screen curtain on or off:* VO–Shift-S
- *Turn on VoiceOver help:* VO–K
- *Return to the previous screen, or turn off VoiceOver help:* Escape

Quick Nav

Turn on Quick Nav to control VoiceOver using the arrow keys.

- *Turn Quick Nav on or off:* Left Arrow–Right Arrow
- *Select the next or previous item:* Right Arrow or Left Arrow
- *Select the next or previous item specified by the rotor setting:* Up Arrow or Down Arrow
- *Select the first or last item:* Control–Up Arrow or Control–Down Arrow

- *"Tap" an item:* Up Arrow–Down Arrow
- *Scroll up, down, left, or right:* Option–Up Arrow, Option–Down Arrow, Option–Left Arrow, or Option–Right Arrow
- *Change the rotor:* Up Arrow–Left Arrow or Up Arrow–Right Arrow

You can also use the number keys on an Apple Wireless Keyboard to dial a phone number in Phone or enter numbers in Calculator.

Single-letter Quick Nav for the web

When you view a webpage with Quick Nav enabled, you can use the following keys on the keyboard to navigate the page quickly. Typing the key moves to the next item of the indicated type. To move to the previous item, hold the Shift key as you type the letter.

- *Heading:* H
- *Link:* L
- *Text field:* R
- *Button:* B
- *Form control:* C
- *Image:* I
- *Table:* T
- *Static text:* S
- *ARIA landmark:* W
- *List:* X
- *Item of the same type:* M
- *Level 1 heading:* 1
- *Level 2 heading:* 2
- *Level 3 heading:* 3
- *Level 4 heading:* 4
- *Level 5 heading:* 5
- *Level 6 heading:* 6

Using a braille display with VoiceOver

You can use a refreshable Bluetooth braille display to read VoiceOver output in braille, and you can use a braille display with input keys and other controls to control iPhone when VoiceOver is turned on. iPhone works with many wireless braille displays. For a list of supported displays, go to www.apple.com/accessibility/iphone/braille-display.html.

Set up a braille display: Turn on the display, then go to Settings > Bluetooth and turn on Bluetooth. Then, go to Settings > General > Accessibility > VoiceOver > Braille and choose the display.

Turn contracted or eight-dot braille on or off: Go to Settings > General > Accessibility > VoiceOver > Braille.

For information about common braille commands for VoiceOver navigation, and for information specific to certain displays, go to support.apple.com/kb/HT4400.

The braille display uses the language that's set for Voice Control. This is normally the language set for iPhone in Settings > International > Language. You can use the VoiceOver language setting to set a different language for VoiceOver and braille displays.

Set the language for VoiceOver: Go to Settings > General > International > Voice Control, then choose the language.

If you change the language for iPhone, you may need to reset the language for VoiceOver and your braille display.

You can set the leftmost or rightmost cell of your braille display to provide system status and other information:

- Announcement History contains an unread message
- The current Announcement History message hasn't been read
- VoiceOver speech is muted
- The iPhone battery is low (less than 20% charge)
- iPhone is in landscape orientation
- The screen display is turned off
- The current line contains additional text to the left
- The current line contains additional text to the right

Set the leftmost or rightmost cell to display status information: Go to Settings > General > Accessibility > VoiceOver > Braille > Status Cell, and tap Left or Right.

See an expanded description of the status cell: On your braille display, press the status cell's router button.

Routing the audio of incoming calls

You can have the audio of incoming calls automatically routed to a headset or speaker phone instead of the iPhone receiver.

Reroute audio for incoming calls: Go to Settings > General > Accessibility > Incoming Calls and choose where you want to hear your calls.

Siri

With Siri, you can do things with your iPhone, such as opening apps, just by asking, and VoiceOver can read Siri responses to you. For information, see Chapter 4, [Siri](#), on page 36.

Triple-click Home

Triple-click Home lets you turn some Accessibility features on or off by pressing the Home button  quickly three times. You can use Triple-click Home for:

- VoiceOver
- Invert Colors
- Zoom
- AssistiveTouch
- Hearing Aid Control
- Guided Access (Triple-click Home starts Guided Access if it's already turned on. See [Guided Access](#) on page 127.)

Set the Triple-click Home function: Go to Settings > General > Accessibility > Triple-click Home. If you select more than one, you're asked which one you want to control whenever you triple-click the Home button.

Slow down the click speed: Go to Settings > General > Accessibility > Home-click Speed.

Zoom

Many apps let you zoom in or out on specific items. For example, you can double-tap or pinch to expand webpage columns in Safari. But, there's also a Zoom accessibility feature that lets you magnify the entire screen of any app you're using. And, you can use Zoom together with VoiceOver.

Turn Zoom on or off: Go to Settings > General > Accessibility > Zoom. Or, use Triple-click Home. See [Triple-click Home](#) on page 124.

Zoom in or out: Double-tap the screen with three fingers.

Vary the magnification: With three fingers, tap and drag up or down. The tap-and-drag gesture is similar to a double-tap, except you don't lift your fingers on the second tap—instead, drag your fingers on the screen. Once you start dragging, you can drag with a single finger. iPhone returns to the adjusted magnification when you zoom out and in again using the three-finger double-tap.

Pan around the screen: While zoomed in, drag the screen with three fingers. Once you start dragging, you can drag with a single finger so that you can see more of the screen. Or, hold a single finger near the edge of the display to pan to that side. Move your finger closer to the edge to pan more quickly. When you open a new screen, Zoom goes to the top-middle of the screen.

While using Zoom with an Apple Wireless Keyboard (see [Apple Wireless Keyboard](#) on page 24), the screen image follows the insertion point, keeping it in the center of the display.

Large Text

Large Text lets you increase the text size in alerts, and in Calendar, Contacts, Mail, Messages, and Notes.

Set the text size: Go to Settings > General > Accessibility > Large Text.

Invert Colors

Sometimes, inverting the colors on the iPhone screen may make it easier to read. When Invert Colors is turned on, the screen looks like a photographic negative.

Invert the screen's colors: Go to Settings > General > Accessibility > Invert Colors.

Speak Selection

Even with VoiceOver turned off, you can have iPhone read aloud any text you select. iPhone analyzes the text to determine the language, then reads it to you using the appropriate pronunciation.

Turn on Speak Selection: Go to Settings > General > Accessibility > Speak Selection. There you can also:

- Adjust the speaking rate
- Choose to have individual words highlighted as they're read

Have text read to you: Select the text, then tap Speak.

Speak Auto-text

Speak Auto-text speaks the text corrections and suggestions iPhone makes when you type.

Turn Speak Auto-text on or off: Go to Settings > General > Accessibility > Speak Auto-text.

Speak Auto-text also works with VoiceOver and Zoom.

Mono Audio

Mono Audio combines the left and right stereo channels into a mono signal played through both channels. You can adjust the balance of the mono signal for greater volume on the right or left.

Turn Mono Audio on or off and adjust the balance: Go to Settings > General > Accessibility > Mono Audio.

Hearing aids

Made for iPhone hearing aids

If you have a Made for iPhone hearing aid (available for iPhone 4S and later), you can adjust its settings on iPhone to suit your listening needs.

Adjust your hearing aid settings: Go to Settings > General > Accessibility > Hearing Aids, or set Triple-Click Home to open Hearing Aid Control. See [Triple-click Home](#) on page 124.

Hearing aid compatibility

The FCC has adopted hearing aid compatibility (HAC) rules for digital wireless phones. These rules require certain phones to be tested and rated under the American National Standard Institute (ANSI) C63.19-2007 hearing aid compatibility standards.

The ANSI standard for hearing aid compatibility contains two types of ratings:

- An “M” rating for reduced radio frequency interference to enable acoustic coupling with hearing aids that are not operating in telecoil mode
- A “T” rating for inductive coupling with hearing aids operating in telecoil mode

These ratings are given on a scale from one to four, where four is the most compatible. A phone is considered hearing aid compatible under FCC rules if it is rated M3 or M4 for acoustic coupling and T3 or T4 for inductive coupling.

For iPhone hearing aid compatibility ratings, go to www.apple.com/support/hac.

Hearing aid compatibility ratings don’t guarantee that a particular hearing aid works with a particular phone. Some hearing aids may work well with phones that don’t meet particular ratings. To ensure interoperability between a hearing aid and a phone, try using them together before purchase.

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

Hearing Aid Mode

iPhone has a Hearing Aid Mode that, when activated, may reduce interference with some hearing aid models. Hearing Aid Mode reduces the transmission power of the cellular radio in the GSM 1900 MHz band and may result in decreased 2G cellular coverage.

Activate Hearing Aid Mode: Go to Settings > General > Accessibility > Hearing Aids.

Assignable ringtones and vibrations

You can assign distinctive ringtones to people in your contacts list for audible caller ID. You can also assign vibration patterns for notifications from specific apps, for phone calls, for FaceTime calls or messages from special contacts, and to alert you of a variety of other events, including new voicemail, new mail, sent mail, Tweet, Facebook Post, and reminders. Choose from existing patterns, or create new ones. See [Sounds](#) on page 139.

You can purchase ringtones from the iTunes Store on iPhone. See Chapter 22, [iTunes Store](#), on page 94.

LED Flash for Alerts

If you can't hear the sounds that announce incoming calls and other alerts, you can have iPhone flash its LED (next to the camera lens on the back of the iPhone). This works only when iPhone is locked or asleep. Available for iPhone 4 or later.

Turn on LED Flash for Alerts: Go to Settings > General > Accessibility > LED Flash for Alerts.

Guided Access

Guided Access helps someone using iPhone to stay focused on a particular task. Guided Access limits iPhone to a single app, and lets you control which app features are available. Use Guided Access to:

- Temporarily restrict iPhone to a particular app
- Disable areas of the screen that aren't relevant to a task, or areas where an accidental gesture might cause a distraction
- Disable the iPhone hardware buttons

Use Guided Access: Go to Settings > General > Accessibility > Guided Access, where you can:

- Turn Guided Access on or off
- Set a passcode that controls the use of Guided Access and prevents someone from leaving an active session
- Set whether iPhone can go to sleep during a session

Start a Guided Access session: Open the app you want to run, then triple-click the Home button. Adjust settings for the session, then click Start.

- *Disable app controls and areas of the app screen:* Circle any part of the screen you want to disable. You can use the handles to adjust the area.
- *Ignore all screen touches:* Turn off Touch.
- *Keep iPhone from switching from portrait to landscape or from responding to any other motions:* Turn off Motion.

End a Guided Access session: Triple-click the Home button and enter the Guided Access passcode.

AssistiveTouch

AssistiveTouch helps you use iPhone if you have difficulty touching the screen or pressing the buttons. You can use a compatible adaptive accessory (such as a joystick) together with AssistiveTouch to control iPhone. You can also use AssistiveTouch without an accessory to perform gestures that are difficult for you.

Turn on AssistiveTouch: Go to Settings > General > Accessibility > AssistiveTouch. To set Triple-click Home to turn AssistiveTouch on or off, go to Settings > General > Accessibility > Triple-click Home.

Adjust the tracking speed (with accessory attached): Go to Settings > General > Accessibility > AssistiveTouch > Touch speed.

Show or hide the AssistiveTouch menu: Click the secondary button on your accessory.

Move the menu button: Drag it to any edge of the screen.

Hide the menu button (with accessory attached): Go to Settings > General > Accessibility > AssistiveTouch > Always Show Menu.

Perform a swipe or drag that uses 2, 3, 4, or 5 fingers: Tap the menu button, tap Gestures, and then tap the number of digits needed for the gesture. When the corresponding circles appear on the screen, swipe or drag in the direction required by the gesture. When you finish, tap the menu button.

Perform a pinch gesture: Tap the menu button, tap Favorites, and then tap Pinch. When the pinch circles appear, touch anywhere on the screen to move the pinch circles, then drag the pinch circles in or out to perform a pinch gesture. When you finish, tap the menu button.

Create your own gesture: Tap the menu button, tap Favorites, and then tap an empty gesture placeholder. Or, go to Settings > General > Accessibility > AssistiveTouch > Create New Gesture.

Lock or rotate the screen, adjust iPhone volume, or simulate shaking iPhone: Tap the menu button, then tap Device.

Simulate pressing the Home button: Tap the menu button, then tap Home.

Exit a menu without performing a gesture: Tap anywhere outside the menu.

Accessibility in OS X

Take advantage of the accessibility features in OS X when you use iTunes to sync information and content from your iTunes library to iPhone. In the Finder, choose Help > Help Center, then search for “accessibility.”

For more information about iPhone and OS X accessibility features, go to www.apple.com/accessibility.

TTY support

You can use the iPhone TTY Adapter cable (sold separately in many areas) to connect iPhone to a TTY machine. Go to www.apple.com/store (may not be available in all areas) or check with your local Apple retailer.

Connect iPhone to a TTY machine: Go to Settings > Phone and turn TTY on, and then connect iPhone to your TTY machine using the iPhone TTY Adapter.

When TTY on iPhone is turned on, the TTY icon  appears in the status bar at the top of the screen. For information about using a particular TTY machine, see the documentation that came with the machine.

Minimum font size for mail messages

To increase readability, you can set the minimum font size for Mail message text to Large, Extra Large, or Giant.

Set the minimum mail message font size: Go to Settings > Mail, Contacts, Calendars > Minimum Font Size.

The Large Text setting overrides this minimum font size.

Assignable ringtones

You can assign distinctive ringtones to people in your contacts list for audible caller ID. You can purchase ringtones from the iTunes Store on iPhone. See Chapter 22, [iTunes Store](#), on page 94.

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's hard to understand. See [Visual voicemail](#) on page 47.

Widescreen keyboards

Many apps, including Mail, Safari, Messages, Notes, and Contacts, let you rotate iPhone when you're typing, so you can use a larger keyboard.

Large phone 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 [Phone calls](#) on page 43.

Voice Control

Voice Control lets you make phone calls and control Music playback using voice commands. See [Making calls](#) on page 43, and [Siri and Voice Control](#) on page 62.

Closed captioning

Turn on closed captioning for videos: Go to Settings > Videos > Closed Captioning.

Not all video content includes closed captions.



Settings lets you configure iPhone, set app options, add accounts, and set other preferences. See other chapters for information about settings for the built-in apps. For example, for Safari settings, see Chapter 7, [Safari](#), on page 55.

Airplane mode

Airplane mode disables the wireless features in order to reduce potential interference with aircraft operation and other electrical equipment.

Turn on airplane mode: Go to Settings and turn on airplane mode.

When airplane mode is on, ✈ appears in the status bar at the top of the screen. No phone, Wi-Fi, or Bluetooth signals are emitted from iPhone, and GPS reception is turned off. You won't be able to use apps or features that depend on these signals, such as connecting to the Internet, placing or receiving phone calls or messages, getting visual voicemail, and so on. If allowed by the aircraft operator and applicable laws and regulations, you can use iPhone and apps that don't require these signals.

If Wi-Fi is available and allowed by the aircraft operator and applicable laws and regulations, go to Settings > Wi-Fi to turn it on. You can also turn on Bluetooth in Settings > Bluetooth.

Wi-Fi

Joining Wi-Fi networks

Wi-Fi settings determine whether iPhone uses local Wi-Fi networks to connect to the Internet. 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. If no Wi-Fi networks are available, or if you've turned Wi-Fi off, then iPhone connects to the Internet via your cellular data network when available.

Once you join a Wi-Fi network, iPhone connects to it whenever the network is in range. If more than one previously used network is in range, iPhone joins the one last used.

You can also use iPhone to set up a new AirPort base station that provides Wi-Fi services to your home or office. See [Setting up an AirPort base station](#) on page 131.

Turn Wi-Fi on or off: Go to Settings > Wi-Fi. You can:

- *Set iPhone to ask if you want to join a new network:* Turn “Ask to Join Networks” on or off. If “Ask to Join Networks” is off, you must manually join a network to connect to the Internet when a previously used network isn’t available.
- *Forget a network, so iPhone doesn’t join it:* Tap ⓘ next to a network you’ve joined before. Then tap “Forget this Network.”
- *Join a closed Wi-Fi network:* In the list of network names, tap Other, then enter the name of the closed network. You must already know the network name, password, and security type to connect to a closed network.
- *Adjust the settings for connecting to a Wi-Fi network:* Tap ⓘ next to a network. You can set an HTTP proxy, define static network settings, turn on BootP, or renew the settings provided by a DHCP server.

Setting up an AirPort base station

An AirPort base station provides a Wi-Fi connection to your home, school, or small business network. You can use iPhone to set up a new AirPort Express, AirPort Extreme, or Time Capsule base station.

Use the AirPort Setup Assistant: Go to Settings > Wi-Fi. Under “Set up an AirPort base station,” tap the name of the base station you want to set up. Then follow the onscreen instructions.

If the base station you want to set up isn’t listed, make sure that it has power, that you’re within range, and that it hasn’t already been configured. You can only set up base stations that are new or have been reset. Some older AirPort base stations cannot be set up using an iOS device. For setup instructions, see the documentation that came with the base station.

Manage an AirPort network: If iPhone is connected to an AirPort base station, tap ⓘ next to the network name. If you haven’t already downloaded AirPort Utility, the App Store opens so you can get it.

Bluetooth

iPhone can connect wirelessly to Bluetooth devices such as headsets, headphones, and car kits for music listening and hands-free talking. You can also connect the Apple Wireless Keyboard with Bluetooth. See [Apple Wireless Keyboard](#) on page 24.

Turn Bluetooth on or off: Go to Settings > Bluetooth.

Connect to a Bluetooth device: Tap the device in the Devices list, then follow the onscreen instructions to connect to it. See the documentation that came with the device for information about Bluetooth pairing.

VPN

Your organization may use a VPN to communicate private information securely over a non-private network. You may need to configure VPN, for example, to access your work email. This setting appears when you have VPN configured on iPhone, allowing you to turn VPN on or off. See [Cellular](#) on page 135.

Personal Hotspot

You can use Personal Hotspot (iPhone 4 or later) to share an Internet connection with a computer or other device—such as an iPod touch, iPad, or other iPhone—connected to your iPhone via Wi-Fi. You can also use Personal Hotspot to share an Internet connection with a computer connected to iPhone via Bluetooth or USB. Personal Hotspot works only if iPhone is connected to the Internet over the cellular data network.

Note: This feature may not be available in all areas. Additional fees may apply. Contact your carrier for more information.

Share an Internet connection: Go to Settings > General > Cellular and tap Set Up Personal Hotspot—if it appears—to set up the service with your carrier.

After you turn on Personal Hotspot, other devices can connect in the following ways:

- *Wi-Fi:* On the device, choose your iPhone from the list of available Wi-Fi networks.
- *USB:* Connect your iPhone to your computer using the cable that came with it. In your computer's Network preferences, choose iPhone and configure the network settings.
- *Bluetooth:* On iPhone, go to Settings > Bluetooth and turn on Bluetooth. To pair and connect iPhone with your device, refer to the documentation that came with your computer.

When a device is connected, a blue band appears at the top of the iPhone screen. Personal Hotspot remains on when you connect with USB, even when you aren't actively using the Internet connection.

Note: The Personal Hotspot icon  appears in the status bar of iOS devices using Personal Hotspot.

Change the Wi-Fi password for iPhone: Go to Settings > Personal Hotspot > Wi-Fi Password, then enter a password of at least 8 characters.

Monitor your cellular data network usage: Go to Settings > General > Usage > Cellular Usage.

Do Not Disturb and Notifications

Push notifications appear in Notification Center and alert you to new information, even when the associated app isn't running. Notifications vary by app, but may include text or sound alerts, and a numbered badge on the app icon on the Home screen.

Turn off all notifications: Go to Settings and turn on Do Not Disturb. When it's turned on and iPhone is locked, all notifications and calls are silenced, but alarms will still sound. You can set the following options in Settings > Notifications > Do Not Disturb:

- *Automatically turn on Do Not Disturb:* Set the starting and ending hours for when you don't want to be disturbed. iPhone turns on Do Not Disturb during these hours each day.
- *Allow some phone calls during Do Not Disturb:* When Do Not Disturb is on, calls are silently sent to voice mail. To allow some callers to ring through, tap Allow Calls From. You can allow calls from your Favorites list or other Contacts groups you define. For information about Favorites, see Chapter 25, [Contacts](#), on page 100.
- *Allow persistent callers to ring through:* Turn on Repeated Calls. If the same caller (based on their Caller ID) calls you twice within three minutes, iPhone will ring.

Turn an app's notifications on or off: Go to Settings > Notifications. Tap an item in the list, then turn notifications on or off for that item. Apps that have notifications turned off appear in the Not In Notification Center list.

Change how notifications appear: Go to Settings > Notifications. You can:

- *Change the number of notifications:* Choose an item in the In Notification Center list. To set how many notifications of this type appear in Notification Center, tap Show.
- *Change the alert styles:* Choose an item in the In Notification Center list. Choose an alert style, or select None to turn off alerts and banners. Notifications will still appear in Notification Center.
- *Change the order of notifications:* Tap Edit. Drag the notifications into the order you want. To turn off a notification, drag it to the Not In Notification Center list.
- *Display numbered badges on apps with notifications:* Choose an item in the In Notification Center list and turn on Badge App Icon.
- *Hide alerts from an app when iPhone is locked:* Choose the app in the In Notification Center list, then turn off “View in Lock Screen.”

Some apps have additional options. For example, Messages lets you specify how many times the alert sound repeats and whether message previews appear in the notification.

Remove Post and Tweet from Notification Center: These sharing options appear only if you have Facebook or Twitter accounts configured. To remove these buttons, go to Settings > Notifications and turn off the Share Widget.

Show government alerts in Notification Center: Choose the alerts you want to see from the Government Alerts list. Government alerts are not available in all areas, vary by carrier and iPhone model, and may not work under all conditions. For example, in the United States, iPhone 4S or later can receive presidential alerts and you can turn AMBER and Emergency Alerts (which includes both Severe and Extreme Imminent Threat alerts) on or off. In Japan, iPhone 4 or later can receive Emergency Earthquake Alerts from the Japan Meteorological Agency.

Carrier

This setting appears on GSM networks when you’re outside your carrier’s network and other local carrier data 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 a roaming agreement with your carrier. Additional fees may apply. Roaming charges may be billed to you by the other carrier, through your carrier.

Select a carrier: Go to Settings > Carrier and select the network you want to use.

Once you select a network, iPhone uses only that network. If the network is unavailable, “No service” appears on the iPhone.

General

General settings include network, sharing, security, and other settings. You can also find information about your iPhone, and reset various iPhone settings.

About

Display information about iPhone: Go to Settings > General > About. The items you can view include:

- Available storage space
- Serial number
- iOS version
- Network addresses
- IMEI (International Mobile Equipment Identity)
- ICCID (Integrated Circuit Card Identifier, or Smart Card) for GSM networks
- MEID (Mobile Equipment Identifier) for CDMA networks
- Legal notices, license, and regulatory marks.

To copy the serial number and other identifiers, touch and hold the identifier until Copy appears.

Change the device name: Go to Settings > General > About, then tap Name. The device name appears in the sidebar when it's connected to iTunes, and it's used by iCloud.

To help Apple improve products and services, iPhone sends diagnostic and usage data. This data does not personally identify you but may include location information.

View or turn off diagnostic information: Go to Settings > General > About > Diagnostics & Usage.

Software Update

Software Update lets you download and install iOS updates from Apple.

Update to the latest iOS version: Go to Settings > General > Software Update.

If a newer version of iOS is available, follow the onscreen instructions to download and install it.

Usage

View usage information: Go to Settings > General > Usage. You can:

- See your cellular usage and reset statistics
- View and delete iCloud backups, turn off backing up the Camera Roll, and buy additional storage
- View each app's storage
- Display battery level as a percentage
- See the elapsed time since iPhone has been charged

Siri

Enable Siri: Go to Settings > General > Siri.

For information about using Siri and changing Siri settings, see [Setting options for Siri](#) on page 40.

Cellular

Use Cellular settings to turn cellular data and roaming on or off, to set up Personal Hotspot, and to set cellular data options.

When an app needs to use the Internet, iPhone does the following, in order, until connected:

- Connects over the most recently used available Wi-Fi network.
- Shows a list of Wi-Fi networks in range, and connects using the one you choose.
- Connects over the cellular data network, if available.

If iPhone is connected to the Internet via the cellular data network, the **LTE**, **4G**, **3G**, **E**, or **o** icon appears in the status bar.

LTE, 4G and 3G service on GSM cellular networks support simultaneous voice and data communications. For all other cellular connections, you can't use Internet services while you're talking on the phone unless iPhone also has a Wi-Fi connection to the Internet. Depending on your network connection, you may not be able to receive calls while iPhone transfers data over the cellular network—when downloading a webpage, for example.

GSM networks: On an EDGE or GPRS connection, incoming calls may go directly to voicemail during data transfers. For incoming calls that you answer, data transfers are paused.

CDMA networks: On EV-DO connections, data transfers are paused when you answer incoming calls. On 1xRTT connections, incoming calls may go directly to voicemail during data transfers. For incoming calls that you answer, data transfers are paused.

Data transfer resumes when you end the call.

If Cellular Data is turned off, all data services will use only Wi-Fi—including email, web browsing, push notifications, and other services. If Cellular Data is turned on, carrier charges may apply. For example, certain features and services such as Siri and Messages transfer data, and your use of these features and services could impact charges to your data plan.

Turn Cellular Data on or off: Go to Settings > General > Cellular, then turn Cellular Data on or off. The following options may also be available:

- *Turn Voice Roaming on or off (CDMA):* Turn Voice Roaming off to avoid charges from using other carrier's networks. When your carrier's network isn't available, iPhone won't have cellular (data or voice) service.
- *Turn Data Roaming on or off:* Data Roaming permits Internet access over a cellular data network when you're in an area not covered by your carrier's network. When you're traveling, you can turn off Data Roaming to avoid roaming charges. See [Carrier](#) on page 133.
- *Enable or disable 3G:* Using 3G loads Internet data faster in some cases, but may decrease battery performance. If you're making a lot of phone calls, you may want to turn 3G off to extend battery life. This option is not available in all areas.

Set up Personal Hotspot: Go to Settings > General > Cellular > Set Up Personal Hotspot. Personal Hotspot shares iPhone's Internet connection with your computer and other iOS devices. See [Personal Hotspot](#) on page 132.

Set when cellular data is used: Go to Settings > General > Cellular, then turn cellular data on or off for iCloud Documents, iTunes, FaceTime, Passbook updates, or Reading List. When these settings are off, iPhone will use only Wi-Fi. iTunes includes both iTunes Match and automatic downloads from iTunes and App Store.

VPN

VPNs used within organizations 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. Ask the network's administrator for the settings necessary to configure VPN for your network. After one or more VPN settings are defined you can:

- *Turn VPN on or off:* Go to Settings > VPN.
- *Switch between VPNs:* Go to Settings > General > VPN, then choose a configuration.

See also Appendix A, [iPhone in Business](#), on page 141.

iTunes Wi-Fi Sync

You can sync iPhone with iTunes on a computer that's connected to the same Wi-Fi network.

Enable iTunes Wi-Fi Sync: To set up Wi-Fi syncing for the first time, connect iPhone to the computer that you want to sync with. For instructions see [Syncing with iTunes](#) on page 16.

After you configure Wi-Fi Sync, iPhone automatically syncs with iTunes once a day, when:

- iPhone is connected to a power source,
- iPhone and your computer are both connected to the same Wi-Fi network, and
- iTunes on your computer is running.

Spotlight Search

The Spotlight Search setting lets you specify the content areas searched by Search, and rearrange the order of the results.

Set which content areas are searched by Search: Go to Settings > General > Spotlight Search, then select the items to search. You can also change the order of the result categories.

Auto-Lock

Locking iPhone turns off the display in order to save the battery and 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 your headset while listening to music or on a call.

Set the amount of time before iPhone locks: Go to Settings > General > Auto-Lock, then choose a time.

Passcode Lock

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

Set a passcode: Go to Settings > General > Passcode Lock and set a 4-digit passcode. To increase security, turn off Simple Passcode and use a longer passcode.

If you forget your passcode, you must restore the iPhone software. See [Updating and restoring iPhone software](#) on page 152.

Allow access when iPhone is locked: Go to Settings > General > Passcode Lock. You can use the following without unlocking iPhone:

- Siri (See [Setting options for Siri](#) on page 40.)
- Voice Dial (This setting is available only when Siri is turned off.)
- Reply with Message (See [Receiving calls](#) on page 44.)
- Passbook (See Chapter 16, [Passbook](#), on page 84.)

Erase data after ten failed passcode attempts: Go to Settings > General > Passcode Lock and tap Erase Data. After ten failed passcode attempts, all settings are reset, and all your information and media are erased by removing the encryption key to the data (which is encrypted using 256-bit AES encryption).

Restrictions

You can set restrictions for some apps and for purchased content. For example, parents can restrict explicit music from being seen on playlists, or prevent the installation of apps.

Turn on restrictions: Go to Settings > General > Restrictions, then tap Enable Restrictions. You'll be asked to define a restrictions passcode that's necessary in order to change the settings you make. This is distinct from the passcode for unlocking iPhone.

Important: If you forget your restrictions passcode, you must restore the iPhone software. See [Updating and restoring iPhone software](#) on page 152.

You can set restrictions for the following apps:

- Safari
- Camera (and apps that use the camera)
- FaceTime
- iTunes Store
- iBookstore
- Siri (including voice command and dictation)

You can also restrict the following:

- *Installing Apps:* The App Store is disabled and its icon is removed from the Home screen. You cannot install apps on iPhone.
- *Deleting Apps:* You cannot delete apps from iPhone.  doesn't appear on app icons when you're customizing the Home screen.
- *Explicit Language:* Siri attempts to replace explicit words you speak by replacing them with asterisks and beep sounds
- *Privacy:* The current privacy settings for Location Services, Contacts, Calendars, Reminders, Photos, Bluetooth Sharing, Twitter, and Facebook can each be locked.
- *Accounts:* The current Mail, Contacts, Calendar settings are locked. You cannot add, modify, or delete accounts. You also cannot modify iCloud settings.
- *Find My Friends:* The current Find My Friends settings are locked. This option is available when the Find My Friends app is installed.
- *Volume Limit:* The current sound volume limit setting is locked.
- *In-App Purchases:* When In-App Purchases is turned off, you can't purchase additional content or functionality for apps you download from the App Store.
- *Require Passwords:* Requires you to enter your Apple ID for in-app purchases after the time period you specify.
- *Content Restrictions:* Tap Ratings For, then select a country from the list. Then set restrictions for music, podcasts, movies, TV shows, and apps. Content that doesn't meet the rating you select won't appear on iPhone.
- *Multiplayer Games:* When Multiplayer Games is off, you can't request a match, send or receive invitations to play games, or add friends in Game Center.
- *Adding Friends:* When Adding Friends is off, you can't make or receive friend requests in Game Center. If Multiplayer Games is turned on, you can continue to play with existing friends.

Date & Time

These settings affect the time shown in the status bar at the top of the screen, and in world clocks and calendars.

Set whether iPhone shows 24-hour time or 12-hour time: Go to Settings > General > Date & Time, then turn 24-Hour Time on or off. (24-Hour Time may not be available in all areas.)

Set whether iPhone updates the date and time automatically: Go to Settings > General > Date & Time, then turn Set Automatically on or off. If you set iPhone to update the time automatically, it gets the correct time over the cellular network and updates it for the time zone you're in. Some carriers don't support network time, so in some areas iPhone may not be able to automatically determine the local time.

Set the date and time manually: Go to Settings > General > Date & Time, then turn Set Automatically off. Tap Time Zone to set your time zone. Tap the Date & Time button, then tap Set Date & Time.

Keyboard

You can turn on keyboards for writing in different languages, and you can turn typing features, such as spell-checking, on or off. For information about the keyboard, see [Typing](#) on page 22.

For information about international keyboards, see Appendix B, [International Keyboards](#), on page 143.

International

Go to Settings > General > International to set the following:

- The language for iPhone.
- The calendar format.
- The language for Voice Control.
- The keyboards you use.
- The date, time, and telephone number formats.

Accessibility

Go to Settings > General > Accessibility and turn on the features you want. See Chapter 32, [Accessibility](#), on page 115.

Profiles

This setting appears if you install one or more profiles on iPhone. Tap Profiles to see information about the profiles you've installed. For more information see [Using configuration profiles](#) on page 141.

Reset

You can reset the word dictionary, network settings, home screen layout, and location warnings. You can also erase all of your content and settings.

Reset iPhone: Go to Settings > General > Reset, then choose an option:

- *Reset all settings:* All your preferences and settings are reset.
- *Erase all content and settings:* Your information, and settings are removed. iPhone cannot be used until it's set up again.

- *Reset network settings:* When you reset network settings, your list of previously used networks and VPN settings not installed by a configuration profile 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 remain turned on. To remove VPN settings installed by a configuration profile, go to Settings > General > Profile, then select the profile and tap Remove. This also removes other settings or accounts provided by the profile.
- *Reset the keyboard dictionary:* You add words to the keyboard dictionary by rejecting words iPhone suggests as you type. Resetting the keyboard dictionary erases all words you've added.
- *Reset the Home screen layout:* Returns the built-in apps to their original layout on the Home screen.
- *Reset location and privacy:* Resets the location services and privacy settings to their factory defaults.

Sounds

You can set iPhone to play a sound whenever you get a new message, email, call, Tweet, Facebook post, voicemail, or reminders. You can also set sounds for appointments, sending an email, keyboard clicks, and when you lock iPhone.

For information about silencing iPhone see [Ring/Silent switch](#) on page 10.

Change sound settings: Go to Settings > Sounds. Available options include:

- Set whether iPhone vibrates when get a call.
- Set whether iPhone vibrates when you turn on silent mode.
- Adjust the ringer and alerts volume.
- Prevent the side buttons from changing the ringer volume.
- Set the ringtone. To set a ringtone for a person, go to their card in Contacts.
- Set alert and other tones.
- Turn on keyboard clicks and a sound for when when iPhone locks.

Set vibration patterns: Go to Settings > Sounds and choose an item from the Sounds and Vibration Patterns list. Tap Vibration to select a pattern.

- *Define a custom vibration pattern:* Tap an item in the Sounds and Vibrations list, then tap Vibration. Tap Create New Vibration then define the pattern by touching and tapping the screen.

Brightness & Wallpaper

Screen brightness affects battery life. Dim the screen to extend the time before you need to recharge iPhone, or use Auto-Brightness.

Adjust the screen brightness: Go to Settings > Brightness & Wallpaper and drag the slider. If Auto-Brightness is on, iPhone adjusts the screen brightness for current light conditions using the built-in ambient light sensor.

Wallpaper settings let you set an image or photo as wallpaper for the Lock screen or Home screen. See [Changing the wallpaper](#) on page 21.

Privacy

Privacy settings let you see and control which apps and system services have access to Location Services, and to contacts, calendars, reminders, and photos.

Location Services lets location-based apps such as Reminders, Maps, and Camera gather and use data indicating your location. Your approximate location is determined using available information from cellular network data, local Wi-Fi networks (if you have Wi-Fi turned on), and GPS (may not be available in all areas). The location data collected by Apple isn't collected in a form that personally identifies you. When an app is using Location Services,  appears in the menu bar.

Turn Location Services on or off: Go to Settings > Privacy > Location Services. You can turn it off for some or for all apps and services. If you turn off Location Services, you're prompted to turn it on again the next time an app or service tries to use it.

Turn Location Services off for system services: Several system services, such as compass calibration and location-based iAds, use Location Services. To see their status, turn them on or off, or show  in the menu bar when these services use your location, go to Settings > Privacy > Location Services > System Services.

Turn off access to private information: Go to Settings > Privacy. You can see which apps have requested and been granted access to the following information:

- Contacts
- Calendar
- Reminders
- Photos
- Bluetooth Sharing
- Twitter
- Facebook

You can turn off each app's access to each category of information. Review the terms and privacy policy for each third-party app to understand how it uses the data it's requesting.

With support for secure access to corporate networks, directories, and Microsoft Exchange, iPhone is ready to go to work. For detailed information about using iPhone in business, go to www.apple.com/iphone/business.

Using configuration profiles

If you're in an enterprise environment, you may be able to set up accounts and other items on iPhone by installing a configuration profile. Configuration profiles let your administrator set up your iPhone to use the information systems at your company, school, or organization. For example, a configuration profile might set up your iPhone to access the Microsoft Exchange servers at work, so iPhone can access your Exchange email, calendars, and contacts, and it may turn on Passcode Lock to help keep the information secure.

Your administrator may distribute configuration profiles by email, by putting them on a secure webpage, or by installing them directly on iPhone for you. Your administrator may have you install a profile that ties your iPhone to a mobile device management server, which allows your administrator to configure your settings remotely.

Install configuration profiles: On iPhone, open the email message or download the configuration profiles from the website your administrator provides. When you open a configuration profile, installation begins.

Important: You may be asked whether a configuration profile is trusted. If in doubt, ask your administrator before installing the configuration profile.

You can't change the settings defined by a configuration profile. If you want to change settings, you must first remove the configuration profile, or install a new configuration profile with the new settings.

Remove a configuration profile: Go to Settings > General > Profile, then select the configuration profile and tap Remove.

Removing a configuration profile deletes the settings and all other information installed by the profile.

Setting up Microsoft Exchange accounts

Microsoft Exchange provides email, contact, tasks, and calendar information that you can automatically sync wirelessly to iPhone. You can set up an Exchange account directly on iPhone.

Set up an Exchange account on iPhone: Go to Settings > Mail, Contacts, Calendars. Tap Add Account, then tap Microsoft Exchange. Ask your service provider or administrator what settings you should use.

VPN access

VPN (virtual private network) provides secure access over the Internet to private networks, such as the network at your company or school. Use Network settings on iPhone to configure and turn on VPN. Ask your administrator what settings you should use.

VPN can also be set up automatically by a configuration profile. When VPN is set up by a configuration profile, iPhone may turn VPN on automatically whenever it's needed. For more information, contact your administrator.

LDAP and CardDAV accounts

When you set up an LDAP account, you can view and search for contacts on your organization's LDAP server. The server appears as a new group in Contacts. Because LDAP contacts aren't downloaded to iPhone, you must have an Internet connection to view them. Check with your administrator for account settings and other requirements (such as VPN).

When you set up a CardDAV account, your account contacts are synced with iPhone over the air. You may also be able to search for contacts on your organization's CardDAV server.

Set up an LDAP or CardDAV account: Go to Settings > Mail, Contacts, Calendars, then tap Add Account. Tap Other. Ask your service provider or administrator what settings you should use.

International Keyboards

B Appendix

International keyboards let you type text in many different languages, including Asian languages and languages that are written from right to left.

Using international keyboards

International keyboards let you type text in many different languages, including Asian languages and languages written from right to left. For a list of supported keyboards, go to www.apple.com/iphone/specs.html.

Manage keyboards: Go to Settings > General > International > Keyboards.

- *Add a keyboard:* Tap Add New Keyboard, then choose a keyboard from the list. Repeat to add more keyboards.
- *Remove a keyboard:* Tap Edit, tap  next to the keyboard you want to remove, then tap Delete.
- *Edit your keyboard list:* Tap Edit, then drag  next to a keyboard to a new place in the list.

To enter text in a different language, switch keyboards.

Switch keyboards while typing: Touch and hold the Globe key  to show all your enabled keyboards. To choose a keyboard, slide your finger to the name of the keyboard, then release. The Globe key  appears only if you enable more than one keyboard.

You can also just tap . When you tap , the name of the newly activated keyboard appears briefly. Continue tapping to access other enabled keyboards.

Many keyboards provide letters, numbers, and symbols that aren't visible on the keyboard.

Enter accented letters or other characters: Touch and hold the related letter, number, or symbol, then slide to choose a variant. For example:

- *On a Thai keyboard:* Choose native numbers by touching and holding the related Arabic number.
- *On a Chinese, Japanese, or Arabic keyboard:* Suggested characters or candidates appear at the top of the keyboard. Tap a candidate to enter it, or flick left to see more candidates.

Use the extended candidate list: Tap the up arrow at the right to view the full candidate list.

- *Scroll the list:* Flick up or down.
- *Return to the short list:* Tap the down arrow.

When using certain Chinese or Japanese keyboards, you can create a shortcut for word and input pairs. The shortcut is added to your personal dictionary. When you type a shortcut while using a supported keyboard, the paired word or input is substituted for the shortcut.

Turn shortcuts on or off: Go to Settings > General > Keyboard > Shortcuts. Shortcuts are available for:

- Simplified Chinese: Pinyin
- Traditional Chinese: Pinyin and Zhuyin
- Japanese: Romaji and 50 Key

Special input methods

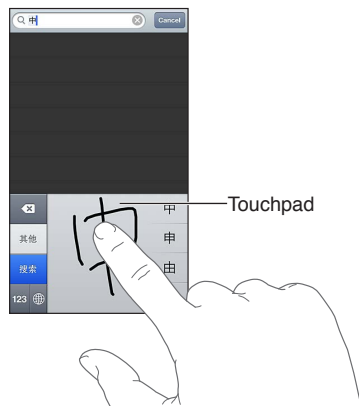
You can use keyboards to enter some languages in different ways. A few examples are Chinese Cangjie and Wubihua, Japanese Kana, and Facemarks. You can also use your finger or a stylus to write Chinese characters on the screen.

Build Chinese characters from the component Cangjie keys: As you type, suggested characters appear. Tap a character to choose it, or continue typing up to five components to see more options.

Build Chinese Wubihua (stroke) characters: Use the keypad to build Chinese characters using up to five strokes, in the correct writing sequence: horizontal, vertical, left falling, right falling, and hook. For example, the Chinese character 圈 (circle) should begin with the vertical stroke |.

- As you type, suggested Chinese characters appear (the most commonly used characters appear first). Tap a character to choose it.
- If you're not sure of the correct stroke, enter an asterisk (*). To see more character options, type another stroke, or scroll through the character list.
- Tap the match key (匹配) to show only characters that match exactly what you typed.

Write Chinese characters: Write Chinese characters directly on the screen with your finger when Simplified or Traditional Chinese handwriting formats are turned on. As you write character strokes, iPhone recognizes them and shows matching characters in a list, with the closest match at the top. When you choose a character, its likely follow-on characters appear in the list as additional choices



Some complex characters, such as 鱻 (part of the name for the Hong Kong International Airport), 𩰚 (elevator), and 𩰚 (particle used in Cantonese), can be typed by writing two or more component characters in sequence. Tap the character to replace the characters you typed. Roman characters are also recognized.

Type Japanese kana: Use the Kana keypad to select syllables. For more syllable options, tap the arrow key and select another syllable or word from the window.

Type Japanese romaji: Use the Romaji keyboard to type syllables. Alternative choices appear along the top of the keyboard, tap one to type it. For more syllable options, tap the arrow key and select another syllable or word from the window.

Type facemarks or emoticons: Use the Japanese Kana keyboard and tap the ^_^ key. Or you can:

- *Use the Japanese Romaji keyboard (QWERTY-Japanese layout):* Tap the Number key , then tap the ^_^ key.
- *Use the Chinese (Simplified or Traditional) Pinyin or (Traditional) Zhuyin keyboard:* Tap the Symbols key , then tap the ^_^ key.

Safety, Handling, & Support



Important safety information



WARNING: Failure to follow these safety instructions could result in fire, electric shock, or other injuries, or damage to iPhone or other property. Read all the safety information below before using iPhone.

Handling Handle iPhone with care. It is made of metal, glass, and plastic and has sensitive electronic components inside. iPhone can be damaged if dropped, burned, punctured, or crushed, or if it comes in contact with liquid. Don't use a damaged iPhone, such as one with a cracked screen, as it may cause injury. If you're concerned about scratching, consider using a case.

Repairing Don't open iPhone and don't attempt to repair iPhone by yourself. Disassembling iPhone may cause injury to you or damage to iPhone. If iPhone is damaged, malfunctions, or comes in contact with liquid, contact Apple or an Apple Authorized Service Provider. You can find more information about getting service at www.apple.com/support/iphone/service/faq.

Battery Don't attempt to replace the iPhone battery yourself—you may damage the battery, which could cause overheating and injury. The lithium-ion battery in iPhone should be replaced only by Apple or an Apple Authorized Service Provider, and must be recycled or disposed of separately from household waste. Don't incinerate the battery. For information about battery recycling and replacement, go to www.apple.com/batteries.

Distraction Using iPhone in some circumstances can distract you and may cause a dangerous situation. Observe rules that prohibit or restrict the use of mobile phones or headphones (for example, avoid texting while driving a car or using headphones while riding a bicycle).

Navigation Maps, directions, Flyover, and location-based apps depend on data services. These data services are subject to change and may not be available in all areas, resulting in maps, directions, Flyover, or location-based information that may be unavailable, inaccurate, or incomplete. Compare the information provided on iPhone to your surroundings, and defer to posted signs to resolve any discrepancies. Some Maps features require Location Services. See [Privacy](#) on page 140. Use common sense when navigating.

Charging Charge iPhone with the included USB cable and power adapter or other third-party “Made for iPhone” cables and power adapters that are compatible with USB 2.0 or power adapters compliant with one or more of the following standards EN 301489-34, IEC 62684, YD/T 1591-2009, CNS 15285, ITU L.1000, or another applicable mobile phone power adapter interoperability standard. An iPhone Micro USB Adapter (available separately in some areas) or other adapter may be needed to connect iPhone to some compatible power adapters. Using damaged cables or chargers, or charging when moisture is present, can cause electric shock. When you use the Apple USB Power Adapter to charge iPhone, make sure that the AC plug or AC power cord is fully inserted into the adapter before you plug it into a power outlet. Power adapters may become warm during normal use, and prolonged contact may cause injury. Always allow adequate ventilation around power adapters when using them.

Note: Only micro USB power adapters in certain regions that comply with applicable mobile phone power adapter interoperability standards are compatible. Please contact the power adapter manufacturer to find out if your micro USB power adapter complies with these standards.

Hearing loss Listening to sound at high volumes may damage your hearing. Background noise, as well as continued exposure to high volume levels, can make sounds seem quieter than they actually are. Turn on the audio and check the volume before inserting anything in your ear. For more information about hearing loss, see www.apple.com/sound. For information about how to set a maximum volume limit on iPhone, see [Music settings](#) on page 63.



WARNING: To prevent possible hearing damage, do not listen at high volume levels for long periods.

Apple headsets The headsets sold with iPhone 4S or later in China (identifiable by dark insulating rings on the plug) are designed to comply with Chinese standards and are compatible with iPhone 4S or later, iPad 2 or later, and iPod touch 5th generation. Use only compatible headsets with your device.

Radio signals iPhone uses radio signals to connect to wireless networks. For information about the amount of power used to transmit these signals, and about steps you can take to minimize exposure, see Settings > General > About > Legal > RF Exposure.

Radio frequency interference Observe signs and notices that prohibit or restrict the use of mobile phones (for example, in healthcare facilities or blasting areas). Although iPhone is designed, tested, and manufactured to comply with regulations governing radio frequency emissions, such emissions from iPhone can negatively affect the operation of other electronic equipment, causing them to malfunction. Turn off iPhone or use Airplane Mode to turn off the iPhone wireless transmitters when use is prohibited, such as while traveling in aircraft, or when asked to do so by authorities.

Medical devices iPhone contains radios that emit electromagnetic fields. These electromagnetic fields may interfere with pacemakers or other medical devices. If you wear a pacemaker, maintain at least 6 inches (approximately 15 cm) of separation between your pacemaker and iPhone. If you suspect iPhone is interfering with your pacemaker or any other medical device, stop using iPhone and consult your physician for information specific to your medical device. iPhone has magnets near the bottom, and the included headphones also have magnets in the earbuds, which may interfere with pacemakers, defibrillators or other medical devices. Maintain at least 6 inches (approximately 15 cm) of separation between your pacemaker or defibrillator and iPhone or the earbuds.

Medical conditions If you have any other medical condition that you believe could be affected by iPhone (for example, seizures, blackouts, eyestrain, or headaches), consult with your physician prior to using iPhone.

Explosive atmospheres Do not charge or use iPhone in any area with a potentially explosive atmosphere, such as at a fueling area, or in areas where the air contains chemicals or particles (such as grain, dust, or metal powders). Obey all signs and instructions.

Repetitive motion When you perform repetitive activities such as typing or playing games on iPhone, you may experience occasional discomfort in your hands, arms, wrists, shoulders, neck, or other parts of your body. If you experience discomfort, stop using iPhone and consult a physician.

High-consequence activities This device is not intended for use where the failure of the device could lead to death, personal injury, or severe environmental damage.

Choking hazard Some iPhone accessories may present a choking hazard to small children. Keep these accessories away from small children.

Important handling information

Cleaning Clean iPhone immediately if it comes in contact with anything that may cause stains—such as dirt, ink, makeup, or lotions. To clean:

- Disconnect all cables and turn iPhone off (press and hold the Sleep/Wake button, then slide the onscreen slider).
- Use a soft, lint-free cloth.
- Avoid getting moisture in openings.
- Don't use cleaning products or compressed air.

The front or back cover of iPhone may be made of glass with a fingerprint-resistant oleophobic (oil repellant) coating. This coating wears over time with normal usage. Cleaning products and abrasive materials will further diminish the coating, and may scratch the glass. Abrasive media may also scratch iPhone.

Using connectors, ports, and buttons Never force a connector into a port or apply excessive pressure to a button, because this may cause damage that is not covered under the warranty. If the connector and port don't join with reasonable ease, they probably don't match. Check for obstructions and make sure that the connector matches the port and that you have positioned the connector correctly in relation to the port.

Lightning Discoloration of the Lightning plug after regular use is normal. Dirt, debris, and exposure to liquids may cause discoloration. To remove the discoloration or if the cable becomes warm during use or won't charge or sync your iPhone, disconnect the Lightning cable from your computer or power adapter and clean it with a soft, dry, lint-free cloth. Do not use liquids or cleaning products when cleaning the Lightning connector.

Operating temperature iPhone is designed to work in ambient temperatures between 32° and 95° F (0° and 35° C) and stored in temperatures between -4° and 113° F (-20° and 45° C). iPhone can be damaged and battery life shortened if stored or operated outside of these temperature ranges. Avoid exposing iPhone to dramatic changes in temperature or humidity. When you're using iPhone or charging the battery, it is normal for iPhone to get warm.

If the interior temperature of iPhone exceeds normal operating temperatures (for example, in a hot car or in direct sunlight for extended periods of time), you may experience the following as it attempts to regulate its temperature:

- iPhone stops charging.
- The screen dims.
- A temperature warning screen appears.
- Some apps may close.

Important: You may not be able to use iPhone while the temperature warning screen is displayed. If iPhone can't regulate its internal temperature, it goes into deep sleep mode until it cools. Move iPhone to a cooler location out of direct sunlight and wait a few minutes before trying to use iPhone again.

For more information, go to support.apple.com/kb/HT2101.

iPhone Support site

Comprehensive support information is available online at www.apple.com/support/iphone. To contact Apple for personalized support (not available in all areas), see www.apple.com/support/contact.

Restarting or resetting iPhone

If something isn't working right, try restarting iPhone, forcing an app to close, or resetting iPhone.

Restart iPhone: Hold down the Sleep/Wake button until the red slider appears. Slide your finger across the slider to turn off iPhone. To turn iPhone back on, hold down the Sleep/Wake button until the Apple logo appears.

Force an app to close: Hold down the Sleep/Wake button for a few seconds until a red slider appears, then hold down the Home button  until the app closes.

You can also remove an app from the recents list to force it to close. See [Opening and switching between apps](#) on page 17.

If you can't turn off iPhone or if the problem continues, you may need to reset iPhone. A reset should be done only if turning iPhone off and on doesn't resolve the problem.

Reset iPhone: Hold down the Sleep/Wake button and the Home button  at the same time for at least ten seconds, until the Apple logo appears.

"Wrong Passcode" or "iPhone is disabled" appears

If you forget your passcode or iPhone displays an alert that it is disabled, see "iOS: Wrong passcode results in red disabled screen" at support.apple.com/kb/HT1212.

"This accessory is not supported by iPhone" appears

The accessory you attached may not work with iPhone. Make sure the USB cable and connectors are free of debris, and refer to the documentation that came with the accessory.

Can't view email attachments

If iPhone can't view email attachments, try the following:

- *View an attached file:* Tap the attachment to open it in Quick Look. You may need to wait while it downloads before viewing.
- *Save an attached photo or video:* Tap the attachment to open it in Quick Look. You may need to wait while it downloads before viewing.

Quick Look supports the following document types:

- *.doc, .docx*—Microsoft Word
- *.htm, .html*—webpage
- *.key*—Keynote
- *.numbers*—Numbers
- *.pages*—Pages
- *.pdf*—Preview, Adobe Acrobat
- *.ppt, .pptx*—Microsoft PowerPoint
- *.rtf*—Rich Text Format
- *.txt*—text
- *.vcf*—contact information
- *.xls, .xlsx*—Microsoft Excel

For additional troubleshooting information, go to www.apple.com/support/iphone.

Backing up iPhone

You can use iCloud or iTunes to automatically back up iPhone. If you choose to back up using iCloud, you can't also use iTunes to automatically back up to your computer, but you can use iTunes to manually back up to your computer.

Backing up with iCloud

iCloud backs up to iPhone daily over Wi-Fi, when it's connected to a power source and is locked. The date and time of the last backup is listed at the bottom of the Storage & Backup screen. iCloud backs up your:

- Purchased music, TV shows, apps, and books
- Photos and videos in your Camera Roll
- iPhone settings
- App data
- Home screen and app organization
- Messages (iMessage, SMS, and MMS)
- Ringtones

Note: Purchased music is not backed up in all areas and TV shows are not available in all areas.

If you didn't enable iCloud backup when you first set up iPhone, you can turn it on in iCloud settings.

Turn on iCloud backups: Go to Settings > iCloud, then log in with your Apple ID and password, if required. Go to Storage & Backup, then turn on iCloud Backup.

Back up immediately: Go to Settings > iCloud > Storage & Backup, then tap Back Up Now.

Manage your backups: Go to Settings > iCloud > Storage & Backup, then tap Manage Storage. Tap the name of your iPhone.

Turn Camera Roll backup on or off: Go to Settings > iCloud > Storage & Backup, then tap Manage Storage. Tap the name of your iPhone, then turn Camera Roll backup on or off.

View the devices being backed up: Go to Settings > iCloud > Storage & Backup > Manage Storage.

Stop iCloud backups: Go to Settings > iCloud > Storage & Backup > Backup, then turn off iCloud Backup.

Music that isn't purchased in iTunes isn't backed up in iCloud. You have to use iTunes to back up and restore that content. See [Syncing with iTunes](#) on page 16.

Important: Backups for music or TV show purchases are not available in all areas. Previous purchases may be unavailable if they are no longer in the iTunes Store, App Store, or iBookstore.

Purchased content, as well as Photo Stream content, doesn't count against your 5 GB of free iCloud storage.

Backing up with iTunes

iTunes creates a backup of photos in your Camera Roll or Saved Photos album, and backups of text messages, notes, call history, your Favorites list, sound settings, and more. Media files, such as songs, and some photos, aren't backed up, but can be restored by syncing with iTunes.

When you connect iPhone to the computer you normally sync with, iTunes creates a backup each time you:

- *Sync with iTunes:* iTunes syncs iPhone each time you connect iPhone to your computer. iTunes won't automatically back up an iPhone that isn't configured to sync with that computer. See [Syncing with iTunes](#) on page 16.
- *Update or restore iPhone:* iTunes always backs up iPhone before updating and restoring.

iTunes can also encrypt iPhone backups to secure your data.

Encrypt iPhone backups: Select "Encrypt iPhone backup" in the iTunes Summary pane.

Restore iPhone files and settings: Connect iPhone to the computer you normally sync with, select iPhone in the iTunes window, and click Restore in the Summary pane.

For more information about backups, go to support.apple.com/kb/HT1766.

Removing an iTunes backup

You can remove an iPhone backup from the list of backups in iTunes. You may want to do this, for example, if a backup was created on someone else's computer.

Remove a backup:

- 1 In iTunes, open iTunes Preferences.
 - *Mac:* Choose iTunes > Preferences.
 - *Windows:* Choose Edit > Preferences.
- 2 Click Devices (iPhone doesn't need to be connected).
- 3 Select the backup you want to remove, then click Delete Backup.
- 4 Click Delete, to confirm you wish to remove the selected backup, then click OK.

Updating and restoring iPhone software

You can update iPhone software in Settings, or by using iTunes. You can also erase or restore iPhone, and then use iCloud or iTunes to restore from a backup.

Deleted data is no longer accessible through the iPhone user interface, but it isn't erased from iPhone. For information about erasing all content and settings, see [Reset](#) on page 138.

Updating iPhone

You can update software in iPhone Settings or by using iTunes.

Update wirelessly on iPhone: Go to Settings > General > Software Update. iPhone checks for available software updates.

Update software in iTunes: iTunes checks for available software updates each time you sync iPhone using iTunes. See [Syncing with iTunes](#) on page 16.

For more information about updating iPhone software, go to support.apple.com/kb/HT4623.

Restoring iPhone

You can use iCloud or iTunes to restore iPhone from a backup.

Restore from an iCloud backup: Reset iPhone to erase all settings and information. Sign in to iCloud and choose Restore from a Backup in the Setup Assistant. See [Reset](#) on page 138.

Restore from an iTunes backup: Connect iPhone to the computer you normally sync with, select iPhone in the iTunes window, and click Restore in the Summary pane.

When the iPhone software is restored, you can either set it up as a new iPhone, or restore your music, videos, app data, and other content from a backup.

For more information about restoring iPhone software, go to support.apple.com/kb/HT1414.

Software and service information

This table describes where to get more iPhone-related safety, software, and service information.

To learn about	Do this
Using iPhone safely	See Important safety information on page 146.
iPhone service and support, tips, forums, and Apple software downloads	Go to www.apple.com/support/iphone .
Service and support from your carrier	Contact your carrier or go to your carrier's website.
The latest information about iPhone	Go to www.apple.com/iphone .
Managing your Apple ID account	Go to appleid.apple.com .
Using iCloud	Go to www.apple.com/support/icloud .
Using iTunes	Open iTunes and choose Help > iTunes Help. For an online iTunes tutorial (may not be available in all areas), go to www.apple.com/support/itunes .
Using other Apple iOS apps	Go to www.apple.com/support/ios .
Finding your iPhone serial number, IMEI, ICCID, or MEID	You can find your iPhone serial number, International Mobile Equipment Identity (IMEI), ICCID, or Mobile Equipment Identifier (MEID) on the iPhone packaging. Or, on iPhone, choose Settings > General > About. For more information, go to support.apple.com/kb/ht4061 .

To learn about	Do this
Obtaining warranty service	First follow the advice in this guide. Then go to www.apple.com/support/iphone .
Viewing iPhone regulatory information	On iPhone, go to Settings > General > About > Legal > Regulatory.
Battery replacement service	Go to www.apple.com/batteries/replacements.html .
Using iPhone in an enterprise environment	Go to www.apple.com/iphone/business to learn more about the enterprise features of iPhone, including Microsoft Exchange, IMAP, CalDAV, CardDAV, VPN, and more.

Using iPhone in an enterprise environment

Go to www.apple.com/iphone/business to learn more about the enterprise features of iPhone, including Microsoft Exchange, IMAP, CalDAV, CardDAV, VPN, and more.

Using iPhone with other carriers

Some carriers let you unlock iPhone for use with their network. To see if your carrier offers this option, go to support.apple.com/kb/HT1937.

Contact your carrier for authorization and setup information. You need to connect iPhone to iTunes to complete the process. Additional fees may apply.

For troubleshooting information, go to support.apple.com/kb/TS3198.

Disposal and recycling information

Apple Recycling Program (available in some areas): For free recycling of your old mobile phone, a prepaid shipping label, and instructions, see www.apple.com/recycling.

iPhone disposal and recycling: You must dispose of iPhone properly according to local laws and regulations. Because iPhone contains electronic components and a battery, iPhone must be disposed of separately from household waste. When iPhone reaches its end of life, contact local authorities to learn about disposal and recycling options, or simply drop it off at your local Apple retail store or return it to Apple. The battery will be removed and recycled in an environmentally friendly manner. For more information, see www.apple.com/recycling.

Battery replacement: The lithium-ion battery in iPhone should be replaced only by Apple or an Apple Authorized Service Provider, and must be recycled or disposed of separately from household waste. For more information about battery replacement services, go to www.apple.com/batteries/replacements.html.

Battery Charger Efficiency



Türkiye

Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur.

台灣



廢電池請回收

European Union—electronics and battery disposal information



The symbol above means that according to local laws and regulations your product and/or its battery shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product and/or its battery at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

Union Européenne—informations sur l'élimination

Le symbole ci-dessus signifie que, conformément aux lois et réglementations locales, vous devez jeter votre produit et/ou sa batterie séparément des ordures ménagères. Lorsque ce produit arrive en fin de vie, apportez-le à un point de collecte désigné par les autorités locales. La collecte séparée et le recyclage de votre produit et/ou de sa batterie lors de sa mise au rebut aideront à préserver les ressources naturelles et à s'assurer qu'il est recyclé de manière à protéger la santé humaine et l'environnement.

Europäische Union—Informationen zur Entsorgung

Das oben aufgeführte Symbol weist darauf hin, dass dieses Produkt und/oder die damit verwendete Batterie den geltenden gesetzlichen Vorschriften entsprechend und vom Hausmüll getrennt entsorgt werden muss. Geben Sie dieses Produkt zur Entsorgung bei einer offiziellen Sammelstelle ab. Durch getrenntes Sammeln und Recycling werden die Rohstoffreserven geschont und es ist sichergestellt, dass beim Recycling des Produkts und/oder der Batterie alle Bestimmungen zum Schutz von Gesundheit und Umwelt eingehalten werden.

Unione Europea—informazioni per lo smaltimento

Il simbolo qui sopra significa che, in base alle leggi e alle normative locali, il prodotto e/o la sua batteria dovrebbero essere riciclati separatamente dai rifiuti domestici. Quando il prodotto diventa inutilizzabile, portalo nel punto di raccolta stabilito dalle autorità locali. La raccolta separata e il riciclaggio del prodotto e/o della sua batteria al momento dello smaltimento aiutano a conservare le risorse naturali e assicurano che il riciclaggio avvenga nel rispetto della salute umana e dell'ambiente.

Europeiska unionen—information om kassering

Symbolen ovan betyder att produkten och/eller dess batteri enligt lokala lagar och bestämmelser inte får kastas tillsammans med hushållsavfallet. När produkten har tjänat ut måste den tas till en återvinningsstation som utsetts av lokala myndigheter. Genom att låta den uttjänta produkten och/eller dess batteri tas om hand för återvinning hjälper du till att spara naturresurser och skydda hälsa och miljö.

Brasil: Informações sobre descarte e reciclagem



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Apple and the environment

At Apple, we recognize our responsibility to minimize the environmental impacts of our operations and products. For more information, go to www.apple.com/environment.

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