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iPhone

User Guide

For iOS 7 Software

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iPhone at a Glance

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iPhone overview

This guide describes the features of iOS 7, and of iPhone 4, iPhone 4S, iPhone 5, iPhone 5c, and iPhone 5s.

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Bottom microphone

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Lightning connector

Speaker

LED flash

Your iPhone features and apps may vary depending on the model of iPhone you have, and on your location, language, and carrier. To find out which features are supported in your area, see www.apple.com/ios/feature-availability.

Note: 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:
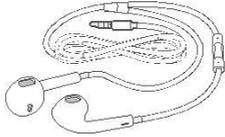
Apple headset. Use the Apple EarPods with Remote and Mic (iPhone 5 or later) or the Apple Earphones with Remote and Mic (iPhone 4S or earlier) to listen to music and videos, and make phone calls. See Use an Apple headset on page 34.
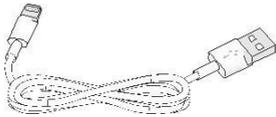
Connecting cable. Using the Lightning to USB Cable (iPhone 5 or later) or the 30-pin to USB Cable (iPhone 4S or earlier), connect iPhone to your computer to sync and charge.

Apple USB power adapter. Use with the Lightning to USB Cable or the 30-pin to USB Cable to charge the iPhone battery.

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

Multi-Touch screen

The Multi-Touch screen displays a wealth of info, entertainment, and creativity, all at your fingertips. A few simple gestures—tap, drag, swipe, and pinch—are all you need to explore and use iPhone apps.
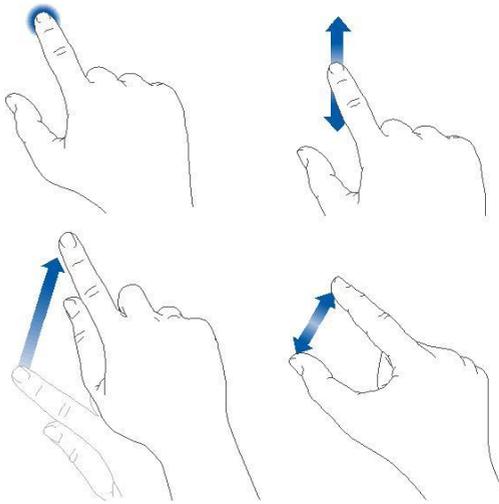
Buttons

Most of the buttons you use with iPhone are virtual ones on the touchscreen. A few physical buttons control basic functions, such as turning iPhone on or adjusting the volume.

Sleep/Wake button

When you're not using iPhone, press the Sleep/Wake button to lock iPhone. Locking iPhone puts the display to sleep, saves the battery, and prevents anything from happening if you touch the screen. You can still get phone calls, FaceTime calls, text messages, alarms, and notifications. You can also listen to music and adjust the volume.

Sleep/Wake button

iPhone locks automatically if you don't touch the screen for a minute or so. To adjust the timing, go to Settings > General > Auto-Lock.

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

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

Turn iPhone off. Press and hold the Sleep/Wake button until the red slider appears, then drag the slider.

For additional security, you can require a passcode to unlock iPhone. Go to Settings > General > Passcode & Fingerprint (iPhone 5s) or Settings > General > Passcode Lock (other models). See Use a passcode with data protection on page 36.

Home button

The Home button takes you to the Home screen, and provides other convenient shortcuts.

See apps you've opened. Double-click the Home button. See Start at home on page 21.

Use Siri (iPhone 4S or later) or Voice Control. Press and hold the Home button. See Voice Control on page 28 and Chapter 4, Siri, on page 40.

On iPhone 5s, you can use the sensor in the Home button to read your fingerprint, instead of using your passcode or Apple ID. See Touch ID sensor on page 37.

You can also use the Home button to turn accessibility features on or off. See Accessibility Shortcut on page 118.

Volume controls

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

> **WARNING:** For important information about avoiding hearing loss, see Important safety information on page 143.
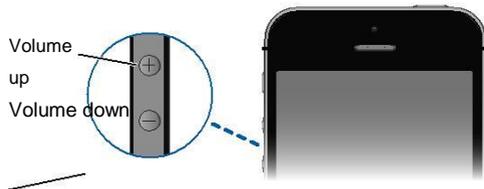
Lock the ringer and alert volumes. Go to Settings > Sounds and turn off "Change with Buttons." To limit the volume for music and videos, go to Settings > Music > Volume Limit.

Note: In some European Union (EU) countries, iPhone may warn that you're setting the volume above the EU recommended level for hearing safety. To increase the volume beyond this level, you may need to briefly release the volume control. To limit the maximum headset volume to this level, go to Settings > Music > Volume Limit and turn on EU Volume Limit. To prevent changes to the volume limit, go to Settings > General > Restrictions.

You can also use either volume button to take a picture or record a video. See Take photos and videos on page 77.

Ring/Silent switch

Flip the Ring/Silent switch to put iPhone in ring mode 🔔 or silent mode 🔕.
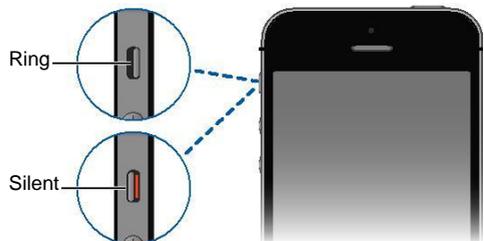
In ring mode, iPhone plays all sounds. In silent mode, iPhone doesn't ring or play alerts and other sound effects.

Important: Clock alarms, audio apps such as Music, and many games play sounds through the built-in speaker, even 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 vibration settings, see Sounds and silence on page 31.

Use Do Not Disturb. You can also silence calls, alerts, and notifications using Do Not Disturb. Swipe up from the bottom edge of the screen to open Control Center, then tap 🌙. See Do Not Disturb on page 31.

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**	You're in range of the cellular network and can make and receive calls. If there's no signal, "No service" appears.
✈	**Airplane mode**	Airplane mode is on—you can't make phone calls, and other wireless functions may be disabled. See Travel with iPhone on page 39.
LTE	**LTE**	Your carrier's LTE network is available, and iPhone can connect to the Internet over that network. (iPhone 5 or later. Not available in all areas.) See Cellular settings on page 149.
4G	**UMTS**	Your carrier's 4G UMTS (GSM) or LTE network (depending on carrier) is available, and iPhone can connect to the Internet over that network. (iPhone 4S or later. Not available in all areas.) See Cellular settings on page 149.
3G	**UMTS/EV-DO**	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 settings on page 149.
E	**EDGE**	Your carrier's EDGE (GSM) network is available, and iPhone can connect to the Internet over that network. See Cellular settings on page 149.
GPRS	**GPRS/1xRTT**	Your carrier's GPRS (GSM) or 1xRTT (CDMA) network is available, and iPhone can connect to the Internet over that network. See Cellular settings on page 149.
📶	**Wi-Fi**	iPhone is connected to the Internet over a Wi-Fi network. See Connect to Wi-Fi on page 15.
🌙	**Do Not Disturb**	"Do Not Disturb" is turned on. See Do Not Disturb on page 31.
⟳	**Personal Hotspot**	iPhone is providing a Personal Hotspot for another device. See Personal Hotspot on page 33.
⟳	**Syncing**	iPhone is syncing with iTunes.
✴	**Network activity**	Shows that there's network activity. Some third-party apps may also use it to show an active process.
⟿	**Call Forwarding**	Call Forwarding is set up. See Call forwarding, call waiting, and caller ID on page 47.
▬	**VPN**	You're connected to a network using VPN. See Cellular settings on page 149.
☎	**TTY**	iPhone is set to work with a TTY machine. See TTY support on page 137.

Status icon		What it means
	Portrait orientation lock	The iPhone screen is locked in portrait orientation. See Change the screen orientation on page 23.
	Alarm	An alarm is set. See Alarms and timers on page 83.
	Location Services	An item is using Location Services. See Privacy on page 36.
	Bluetooth®	*Blue or white icon:* Bluetooth is on and paired with a device.

Gray icon: Bluetooth is on. If iPhone is paired with a device, the device may be out of range or turned off.

No icon: Bluetooth is turned off.

See Bluetooth devices on page 35. |
| | **Bluetooth battery** | Shows the battery level of a paired Bluetooth device. |
| | **Battery** | Shows the iPhone battery level or charging status. See Charge and monitor the battery on page 38. |

Getting Started

2

Install the SIM card

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

Important: A Micro-SIM card (iPhone 4 and iPhone 4S) or a Nano-SIM card (iPhone 5 or later) 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.

SIM
card tray

Paper clip
or SIM SIM card eject tool
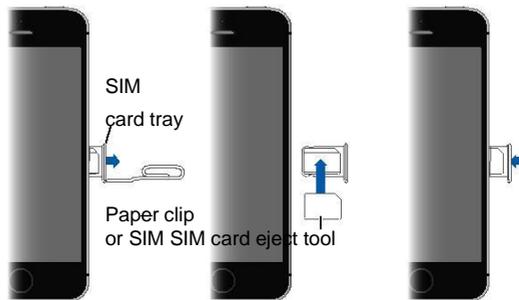
Set up and activate iPhone

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 and use iTunes to activate iPhone (see the following section).

Set up and activate iPhone. Turn on iPhone and follow the Setup Assistant.

The Setup Assistant steps you through the process, including:

- Connecting to a Wi-Fi network
- Signing in with or creating a free Apple ID (needed for many features, including iCloud, FaceTime, the App Store, the iTunes Store, and more)
- Entering a Passcode
- Setting up iCloud
- Turning on recommended features such as Location Services and Find
- My iPhone Activating iPhone with your carrier

You can also restore from an iCloud or iTunes backup during setup.

Note: If you turn on Find My iPhone during setup, Activation Lock will be turned on in order to help deter theft. See Find My iPhone on page 38.

Some carriers let you unlock iPhone for use with their network. To see if your carrier offers this option, see 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 more information, see support.apple.com/kb/HT5014.

Connect 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 photos and other content to iPhone from your computer, using iTunes. See Sync with iTunes on page 18.

To use iPhone with your computer, you need:

- An Internet connection for your computer (broadband is recommended)
- A Mac or a PC with a USB 2.0 or 3.0 port, and one of the following operating systems:
  - OS X version 10.6.8 or later
  - Windows 8, Windows 7, Windows Vista, or Windows XP Home or Professional with Service Pack 3 or later

Connect iPhone to your computer. Use the Lightning to USB Cable (iPhone 5 or later) or 30-pin to USB Cable (iPhone 4S or earlier) provided with iPhone. You'll be asked on each device to verify "trust" of the other device.

Connect to Wi-Fi

If 📶 appears at the top of the screen, you're connected to a Wi-Fi network. iPhone reconnects anytime you return to the same location.

Configure Wi-Fi. Go to Settings > Wi-Fi.

- *Choose a network:* Tap one of the listed networks and enter the password, if asked.
- *Ask to join networks:* Turn on "Ask to Join Networks" to be prompted when a Wi-Fi network is available. Otherwise, you must manually join a network when a previously used network isn't available.
- *Forget a network:* Tap ⓘ next to a network you've joined before. Then tap "Forget this Network."
- *Join a closed Wi-Fi network:* Tap Other, then enter the name of the closed network. You must already know the network name, security type, and password (if required).
- *Adjust the settings for 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.

Set up your own Wi-Fi network. If you have an unconfigured AirPort base station turned on and within range, you can use iPhone to set it up. Go to Settings > Wi-Fi and look for "Set up an AirPort base station." Tap your base station and the Setup Assistant will do the rest.

Manage an AirPort network. If iPhone is connected to an AirPort base station, go to Settings > Wi-Fi, tap ⓘ next to the network name, then tap Manage this Network. If you haven't yet downloaded AirPort Utility, tap OK to open the App Store and download it.

Connect 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 Connect to Wi-Fi, above.

When an app needs to use the Internet, iPhone does the following, in order:

☞ 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

Note: If a Wi-Fi connection to the Internet isn't available, 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 settings on page 149.

Set 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.

You can set up a free iCloud account when you first set up iPhone, or later in Settings. See iCloud on page 17.

Set up an account. Go to Settings > Mail, Contacts, Calendars > Add Account. If you're setting up an iCloud account, you can also do that in Settings > iCloud.

You can add contacts using an LDAP or CardDAV account, if your company or organization supports it. See Add contacts on page 113.

You can add calendars using a CalDAV calendar account, and you can subscribe to iCalendar (.ics) calendars or import them from Mail. See Use multiple calendars on page 69.

Apple ID

An Apple ID is the login you use for just about everything you do with Apple, including using iCloud to store your content, downloading apps from the App Store, and buying songs, movies, and TV shows from the iTunes Store.

You need only one Apple ID for everything you do with Apple. 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 when you're asked to sign in.

Create an Apple ID. Go to Settings > iTunes & App Stores and tap Sign In. (If you're already signed in and want to create another Apple ID, first tap your Apple ID, then tap Sign Out.)

For more information, see appleid.apple.com.

Manage content on your iOS devices

You can transfer information and files between your iOS devices and computers, using 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 sync files and documents. See Sync with iTunes on page 18.

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

Important: If you use iCloud for syncing contacts, calendars, and notes, don't also use iTunes to sync those items. Otherwise, you might see duplicates.

You can also manually manage content from iTunes, in the device's Summary pane. This lets you add songs and videos, by choosing a song, video, or playlist from your iTunes library and then dragging it to your iPhone in iTunes. This is useful if your iTunes library contains more items than can fit on your device.

Note: If you're using iTunes Match, you can manually manage video only.

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 7 or Windows 8 is required).

Note: iCloud may not be available in all areas, and iCloud features may vary by area. For more information, see www.apple.com/icloud.

iCloud features include:

* *iTunes in the Cloud*—Download previous iTunes Store music and video purchases to iPhone for free, anytime. With an iTunes Match subscription, all your music—including music you've imported from CDs or purchased somewhere other than iTunes Store—appears on all of your devices and can be downloaded and played, on demand. See iTunes Match on page 63.

* *Apps and Books*—Download previous App Store and iBookstore purchases to iPhone for free, anytime.

* *Photos*—Use My Photo Stream to send photos you take with your iPhone to your other devices, automatically. Use iCloud Photo Sharing to share photos and videos with just the people you choose, and let them add photos, videos, and comments. See iCloud Photo Sharing on page 72 and My Photo Stream on page 73.

* *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. All iCloud data and backups sent over the Internet are encrypted. See Back up iPhone on page 148.
- *Find My iPhone*—Locate your iPhone on a map, display a message, play a sound, lock the screen, or remotely wipe the data. Also lock the activation of iPhone to your Apple ID account. Require your Apple ID and password before anyone can erase or reactivate your iPhone. See Find My iPhone on page 38.
- *iCloud Tabs*—See the webpages you have open on your other iOS devices and OS X computers. See Share on page 56.
- *Find My Friends*—Share your location with people who are important to you. Download the free app from the App Store.

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 available 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 Buy More Storage or Change Storage Plan. For information about purchasing iCloud storage, see help.apple.com/icloud.

View and download previous purchases.

- *iTunes Store purchases:* You can access your purchased songs and videos in the Music and Videos apps. Or, in iTunes Store, tap More, then tap Purchased.
- *App Store purchases:* Go to App Store, tap Updates, then tap Purchased.
- *iBooks Store 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, see www.apple.com/icloud. For support information, see www.apple.com/support/icloud.

Sync 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 photos, videos, podcasts, apps, and more. For help syncing iPhone with your computer, open iTunes, then choose iTunes Help from the Help menu.

Sync wirelessly. Connect iPhone. Then in iTunes on your computer, select your iPhone, click Summary, and select "Sync with this iPhone over Wi-Fi."

If Wi-Fi syncing is turned on, iPhone syncs when it's connected to a power source, both iPhone and your computer are connected to the same wireless network, and iTunes is open on the computer.

Tips for syncing with iTunes on your computer
Connect iPhone to your computer, select it in iTunes, and set options in the different panes.

- In the Summary pane, you can set iTunes to automatically sync iPhone when it's 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 iTunes window.
- In the 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 password is required in order 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 you'll have to reenter them if you use the backup to restore iPhone.
- In the Info pane, when you sync mail accounts, only the settings are transferred from your computer to iPhone. Changes you make to a mail account on iPhone don't affect the account on your computer.
- In the Info pane, click Advanced to select options that let you *replace* the information on iPhone with the information from your computer during the next sync.
- In the Photo pane, you can sync photos and videos from a folder on your computer.

If you use iCloud to store your contacts, calendars, and bookmarks, don't also sync them to iPhone using iTunes.

Date and time
The date and time are usually set for you based on your location—take a look at the Lock screen to see if they're correct.

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 off Set Automatically.

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.)

International settings
Go to Settings > General > International to set the following:

- The language for iPhone
- The language for Voice Control
- The keyboards you use
- The region format (date, time, and telephone
- number) The calendar format

Your iPhone name
The name of your iPhone is used by both iTunes and iCloud.

Change the name of your iPhone. Go to Settings > General > About > Name.

View 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" at the bottom of the home 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.

Basics

3

Use apps

All the apps that come with iPhone—as well as the apps you download from the App Store—are on the Home screen.

Start at home

Tap an app to open it.

Press the Home button to return to the Home screen. Swipe left or right to see other screens.

iPhone lets you run many apps at the same time.

View your running apps. Double-click the Home button. Swipe left or right to see more. To switch to another app, tap it.

Quit an app. If an app isn't working properly, you can force it to quit in the multi-tasking display by swiping up. Then try opening it again.

If you have lots of apps, you can use Spotlight to find and open them. Pull down the center of the Home screen to get the search field. See Search on page 29.

Look around

Drag a list up or down to see more. Swipe to scroll quickly; touch the screen to stop it. Some lists have an index—tap a letter to jump ahead.

Drag a photo, map, or webpage in any direction to see more.

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

Get a closer look

Stretch a photo, webpage, or map for a close-up—then pinch to zoom back out. In Photos, keep pinching to see the collection or album the photo's in.

Or double-tap a photo or webpage to zoom in, and double-tap again to zoom out. In Maps, double-tap to zoom in and tap once with two fingers to zoom out.

Change the screen orientation

Many apps give you a different view when you rotate iPhone.

To lock the screen in portrait orientation, swipe up from the bottom edge of the screen to open Control Center, then tap ⟲.

Customize iPhone

Arrange your apps

Arrange apps. Touch and hold any app on the Home screen until it jiggles, then drag apps around. Drag an app to the edge of the screen to move it to a different Home screen, or to the Dock at the bottom of the screen. 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 last Home screen. The dots above the Dock show how many Home screens you have, and which one you're viewing.

You can also customize the Home screen using iTunes when iPhone is connected to your computer. In iTunes, select iPhone, then click the Apps button.

Start over. Go to Settings > General > Reset, then tap Reset Home Screen Layout to return the Home screen and apps to their original layout. Folders are removed and the original wallpaper is restored.

Organize with folders

Create a folder. While arranging apps, drag one app onto another. Tap the name of the folder to rename it. Drag apps to add or remove them. Press the Home button when you finish.

You can have multiple pages of apps in a folder.

Delete a folder. Drag out all the apps—the folder deletes automatically.

Change the wallpaper

Wallpaper settings let you set an image or photo as wallpaper for the Lock screen or Home screen.

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

Adjust the brightness

Dim the screen to extend battery life, or use Auto-Brightness.
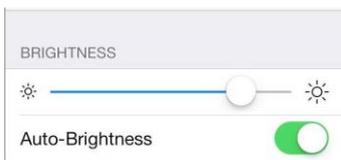
Adjust the screen brightness. Go to Settings > Brightness & Wallpaper and drag the slider. If Auto-Brightness is on, iPhone adjusts the screen brightness for current light conditions using the built-in ambient light sensor. You can also adjust the screen brightness in Control Center.

Type text

The onscreen keyboard lets you enter text when needed.

Enter text
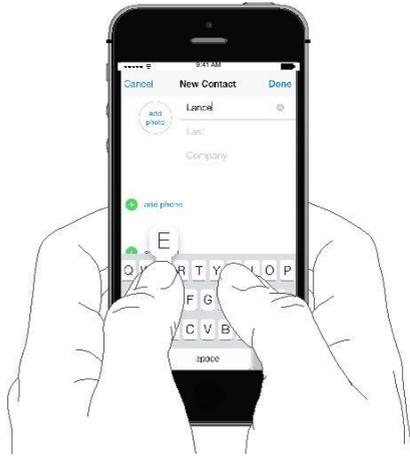
Tap a text field to see the onscreen keyboard, then tap letters to type. If you touch the wrong key, you can slide your finger to the correct key. The letter isn't entered until you release your finger from the key.

You can also use an Apple Wireless Keyboard to enter text. See Use an Apple Wireless Keyboard on page 26. To dictate instead of typing, see Dictate on page 27.

Tap Shift to type uppercase, or touch the Shift key and slide to a letter. Double-tap Shift for caps lock. To enter numbers, punctuation, or symbols, tap the Number key 123 or the Symbol key $\#+=$. To quickly end a sentence with a period and a space, just double-tap the space bar.

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

Depending on the app and language you're using, iPhone may correct misspellings and anticipate what you're typing. Accept a suggestion by entering a space or punctuation, or by tapping return. To reject a suggestion, tap the "x." If you reject the same suggestion a few times, iPhone stops suggesting it. If you see a word underlined in red, tap it to see suggested corrections. If the word you want doesn't appear, type the correction.

Suggested word

To set options for typing, go to Settings > General > Keyboard.

Edit text

Revise text. Touch and hold the text to show the magnifying glass, then drag to position the insertion point.

Select text. Tap the insertion point to display the selection options. Or 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.
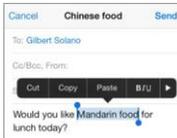
You can cut, copy, or paste over selected text. With some apps, you can also get bold, italic, or underlined text (tap B/I/U); get the definition of a word; or have iPhone suggest an alternative. Tap ▶ to see all the options.

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

Save keystrokes
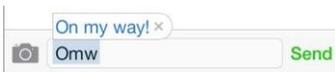
A shortcut lets you enter a word or phrase by typing just a few characters. For example, type "omw" to enter "On my way!" That one's already set up for you—to add more, go to Settings > General > Keyboard.

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

Have a word or phrase you use and don't want it corrected? Create a shortcut, but leave the Shortcut field blank.

Use iCloud to keep your personal dictionary up to date on your other devices. Go to Settings > iCloud, then turn on Documents & Data.

Use an Apple Wireless Keyboard

You can use an Apple Wireless Keyboard (available separately) to enter text on your iPhone. The keyboard connects via Bluetooth, so you must first pair it with iPhone.

Pair an Apple Wireless Keyboard with iPhone. Turn on the keyboard, go to Settings > Bluetooth and turn on Bluetooth, then tap the keyboard when it appears in the Devices list.

Once it's paired, the keyboard reconnects to iPhone whenever it's in range—up to about 30 feet (10 meters). When it's connected, the onscreen keyboard doesn't appear.

Save your batteries. Turn off Bluetooth and the wireless keyboard when not in use. To turn off the keyboard, hold down the On/off switch until the green light goes off.

To unpair a wireless keyboard, go to Settings > Bluetooth, tap ⓘ next to the keyboard name, then tap "Forget this Device."

See Bluetooth devices on page 35.

Add or change keyboards

You can turn typing features, such as spell checking, on or off; add keyboards for writing in different languages; and change the layout of your onscreen keyboard or Apple Wireless Keyboard.

Set typing features. Go to Settings > General > Keyboard.

Add a keyboard for another language. Go to Settings > General > Keyboards > Keyboard > Add New Keyboard.

Switch keyboards. If you've set up keyboards for other languages in Settings > General > International > Keyboards, you can switch among them by pressing Command-Space.

For information about international keyboards, see Use international keyboards on page 141.

Change the keyboard layout. Go to Settings > General > Keyboard > Keyboards, select a keyboard, then choose a layout.

Dictate

On iPhone 4S or later, you can dictate instead of typing. Make sure Siri is turned on (in Settings > General > Siri) and iPhone is connected to the Internet.

Note: Cellular data charges may apply. See Cellular settings on page 149.

Dictate text. Tap 🎤 in the onscreen keyboard, then speak. Tap Done when you finish.

This shows that Siri is composing your dictation.

Tap to begin dictation.
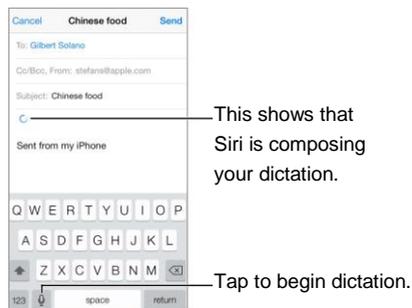
Add text. Tap 🎤 again and continuing dictating. To insert text, tap to place the insertion point first. You can also replace selected text by dictating.

You can also start dictation by bringing iPhone to your ear, then moving iPhone back down in front of you when you're done. To turn on this feature, go to Settings > General > Siri.

Add punctuation or format text. Say the punctuation or format. For example, "Dear Mary comma the check is in the mail exclamation mark" becomes "Dear Mary, the check is in the mail!" Punctuation and formatting commands include:

- quote … end quote
- new paragraph
- new line

- 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

Make phone calls and control music playback using Voice Control. On iPhone 4S or later, you can also use Siri to control iPhone by voice. See Chapter 4, Siri, on page 40.

Note: Voice Control and Voice Control settings aren't available when Siri is turned on.

Use Voice Control. Turn Siri off in Settings > General > Siri, then press and hold the Home button until the Voice Control screen appears and you hear a beep, or press and hold the center button on your headset. See Use an Apple headset on page 34.

For best results:

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

Change the language (or dialect or country) for Voice Control. By default, Voice Control expects you to speak voice commands in the language that's set for iPhone (in Settings > General > International > Language). To use Voice Control in another language, go to Settings > General > International > Voice Control.

Voice Control for the Music app is always on, but you can prevent voice dialing when iPhone is locked. Go to Settings > Settings > General > Passcode & Fingerprint (iPhone 5s) or Settings > General > Passcode Lock (other models), and turn off Voice Dial.

For specific commands, see Make a call 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, see support.apple.com/kb/HT3597.

Search

Many apps include a search field where you can type to find something that the app knows about. With Spotlight Search, you can search all the apps at once.

Search iPhone. Drag down the middle of any Home screen to reveal the search field. Results occur as you type; to hide the keyboard and see more results on the screen, tap Search. Tap an item in the list to open it.

You can also use Spotlight Search to find and open apps.

Choose which apps and content are searched. Go to Settings > General > Spotlight Search. You can also change the search order.

Control Center

Control Center gives you instant access to the camera, flashlight, AirDrop (iPhone 5 or later), AirPlay, timer, audio playback controls, and many other handy features.

Open Control Center. Swipe up from the bottom edge of any screen (even the Lock screen).

You can adjust the brightness, lock the screen in portrait orientation, turn wireless services on or off, and turn on AirDrop to exchange photos and other items with nearby iOS 7 devices that support AirPlay. See AirDrop, iCloud, and other ways to share on page 31.

Open the currently playing audio app. Tap the song title.

Close Control Center. Swipe down, tap the top or the screen, or press the Home button.

Alerts and Notification Center

Alerts

Alerts let you know about important events. They can appear briefly at the top of the screen, or remain in the center of the screen until you acknowledge them.

Some apps may include a badge on their Home screen icon, to let you know how many new items await—for example, the number of new email messages. If there's a problem—such as a message that couldn't be sent—an exclamation mark ⓘ appears on the badge. On a folder, a numbered badge indicates the total number of notifications for all the apps inside.

Alerts can also appear on the Lock screen.

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

Silence your alerts. Go to Settings > Do Not Disturb.

Set sounds and vibrations. Go to Settings > Sounds.

Notification Center

Notification Center collects your notifications in one place, so you can review them whenever you're ready. Review all your alerts, or just the ones you missed. Or tap the Today tab for a summary of the day's events—such as the weather forecast, traffic conditions for your commute (iPhone 4S or later), appointments, birthdays, stock quotes, and even a quick summary of what's coming up tomorrow.

Open Notification Center. Swipe down from the top edge of the screen.

Set notification options. Go to Settings > Notification Center. Tap an app to set its notification options. You can also tap Edit to arrange the order of app notifications. Touch ☰, then drag it to a new position.

Note: To include traffic conditions for your commute (iPhone 4S or later) in the Today tab, make sure that Frequent Locations is turned on in Settings > Privacy > Location Services > System Services > Frequent Locations.

Get government alerts. In some areas, you can turn on alerts in the Government Alerts list. Go to Settings > Notification Center.

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 (they're on by default). In Japan, iPhone 4 or later can receive Emergency Earthquake Alerts from the Japan Meteorological Agency. Government alerts vary by carrier and iPhone model, and may not work under all conditions.

Close Notification Center. Swipe up.

Sounds and silence

You can change or turn off the sounds iPhone plays when you get a call, text, voicemail, email, tweet, Facebook post, reminder, or other event.

Set sound options. Go to Settings > Sounds for options such as ringtones and alert tones, vibration settings and patterns, and ringer and alert volumes.

Set vibration patterns. Go to Settings > Sounds and choose an item from the Sounds and Vibration Patterns list. Tap Vibration to select a pattern or create your own.

If you want to temporarily silence incoming calls, alerts, and sound effects, see the following section and Ring/Silent switch on page 11.

Do Not Disturb

Do Not Disturb is an easy way to silence iPhone, whether you're going to dinner or to sleep. It keeps calls and alerts from making any sounds or lighting up the screen.

Turn on Do Not Disturb. Swipe up from the bottom edge of the screen to open Control Center, then tap 🌙. When Do Not Disturb is on, 🌙 appears in the status bar.

Note: Alarms still sound, even when Do Not Disturb is on. To make sure iPhone stays silent, turn it off.

Configure Do Not Disturb. Go to Settings > Do Not Disturb.

You can schedule quiet hours, allow calls from your Favorites or groups of contacts, and allow repeated calls to ring through for those emergency situations. You can also set whether Do Not Disturb silences iPhone only when it's locked, or even when it's unlocked.

AirDrop, iCloud, and other ways to share

In many apps, you can tap Share or ⬆ to see sharing and other options. The options vary depending on the app you're using.

Tap to share with a nearby friend using AirDrop.

AirDrop (iPhone 5 or later) lets you share your photos, videos, interesting websites, locations, and other items wirelessly with other nearby iOS 7 devices that support AirDrop. AirDrop requires an iCloud account, and transfers info using Wi-Fi and Bluetooth. You must be on the same Wi-Fi network, or within approximately 30 feet (10 meters) of the other device. Transfers are encrypted for security.

Share an item using AirDrop. Tap Share or ⬆, then tap AirDrop and tap the name of a nearby AirDrop user. AirDrop is also available in Control Center—just swipe up from the bottom edge of the screen.

Receive AirDrop items from others. Swipe up from the bottom edge of the screen to open Control Center. Tap AirDrop, then choose to receive items from Contacts only or from Everyone. You can accept or decline.

Add photo or video to a shared stream. Tap iCloud (a sharing option in the Photos app), add a comment if you like, choose a stream (or create a new one), then tap Post.

Use Twitter, Facebook, Flickr, or Vimeo. Sign in to your account in Settings. The Twitter, Facebook, Flickr, and Vimeo sharing buttons take you to the appropriate setting if you're not yet signed in.

Note: While you're composing a tweet, the number in the lower-right corner shows the number of characters remaining. Attachments use some of a tweet's 140 characters.

Transfer files

There are several ways to transfer files between iPhone and your computer or other iOS device. If you have an app that works with iCloud on multiple devices, you can use iCloud to automatically keep the app's documents up to date across your devices. See iCloud on page 17.

You can 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.

You can also view files received as email attachments on iPhone.

Some apps may share content using AirDrop. See AirDrop, iCloud, and other ways to share on page 31.

Personal Hotspot

Use Personal Hotspot to share your iPhone Internet connection. Computers can share your Internet connection using Wi-Fi, Bluetooth, or a USB cable. Other iOS devices can share the connection using Wi-Fi. Personal Hotspot works only if iPhone is connected to the Internet over the cellular data network.

Note: This feature may not be available with all carriers. Additional fees may apply. Contact your carrier for more information.

Share an Internet connection. Go to Settings > 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.

Note: When a device is connected, a blue band appears at the top of the iPhone screen. 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 > Cellular. See Cellular settings on page 149.

AirPlay

Use AirPlay to stream music, photos, and video wirelessly to Apple TV and other AirPlay-enabled devices on the same Wi-Fi network as iPhone.

Display the AirPlay controls. Swipe up from the bottom edge of the screen to open Control Center, then tap ⬛.

Stream content. Tap ⬛, then choose the device you want to

stream to. **Switch back to iPhone.** Tap ⬛, then choose iPhone.

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

You can also connect iPhone to a TV, projector, or other external display using the appropriate Apple cable or adapter. See support.apple.com/kb/HT4108.

AirPrint

Use AirPrint to print wirelessly to an AirPrint-enabled printer, from apps such as Mail, Photos, and Safari. Many apps available on the App Store also support AirPrint.

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

Print a document. Tap ⬅ or ⬆ (depending on the app you're using).

See the status of a print job. Double-click the Home button, then tap Print Center. The badge on the icon shows how many documents are in the queue.

Cancel a job. Select it in the Print Center, then tap Cancel Printing.

Use an Apple headset

The Apple EarPods with Remote and Mic (iPhone 5 or later) and the Apple Earphones with Remote and Mic (iPhone 4S or earlier) feature a microphone, volume buttons, and the center button, which lets you answer and end calls, and control audio and video playback, even when iPhone is locked.
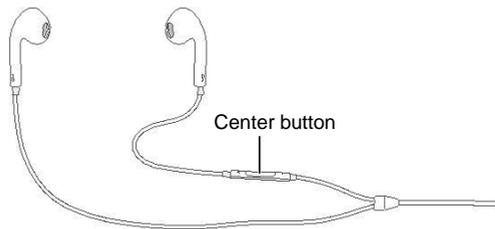
Center button

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 40 or Voice Control on page 28.

Bluetooth devices

You can use Bluetooth devices with iPhone, including headsets, car kits, stereo headphones, or an Apple Wireless Keyboard. For supported Bluetooth profiles, see support.apple.com/kb/HT3647.

WARNING: For important information about avoiding hearing loss and avoiding distraction while driving, see Important safety information on page 143.

Note: The use of certain accessories with iPhone may affect wireless performance. Not all iPod and iPad accessories are fully compatible with iPhone. Turning on airplane mode may eliminate audio interference between iPhone and an accessory. Reorienting or relocating iPhone and the connected accessory may improve wireless performance.

Turn Bluetooth on. 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. For information about using an Apple Wireless Keyboard, see Use an Apple Wireless Keyboard on page 26.

iPhone must be within about 30 feet (10 meters) of the Bluetooth device.

Return audio output to iPhone. Turn off or unpair the device, turn off Bluetooth in Settings > Bluetooth, or use AirPlay to switch audio output to iPhone. See AirPlay on page 33. Audio output returns to iPhone whenever the Bluetooth device is out of range.

Bypass your Bluetooth device. To use the iPhone receiver or speaker for phone calls:

- Answer a call by tapping the iPhone screen.
- During a call, tap Audio and choose iPhone or Speaker Phone.
- Turn off the Bluetooth device, unpair it, or move out of
- range. Turn off Bluetooth in Settings > Bluetooth.

Unpair a device. In Settings > Bluetooth, tap ⓘ next to the device, then tap "Forget this Device." If you don't see the Devices list, make sure Bluetooth is on.

Restrictions

You can set restrictions for some apps, and for purchased content. For example, parents can restrict explicit music from appearing in playlists, or disallow changes to certain settings. Use restrictions to prevent the use of certain apps, the installation of new apps, or changes to accounts or the volume limit.

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 can be different than the passcode for unlocking iPhone.

Important: If you forget your restrictions passcode, you must restore the iPhone software. See Restore iPhone on page 149.

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 and features have requested and been granted access to the following information:

- Contacts
- Calendar
- Reminders
- Photos
- Bluetooth Sharing
- Microphone
- 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.

Security

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

Use a passcode with data protection

Initially, iPhone doesn't require you to enter a passcode to unlock it. You can set a passcode that must be entered each time you turn on or wake up iPhone.

Set a passcode. Go to Settings > General > Passcode & Fingerprint (iPhone 5s) or Settings > General > Passcode Lock (other models), and set a 4-digit passcode.

Setting a passcode turns on data protection, using your passcode as a key to encrypt Mail messages and attachments stored on iPhone, using 256-bit AES encryption. (Other apps may also use data protection.)

Increase security. Turn off Simple Passcode and use a longer passcode. To enter a passcode that's a combination of numbers and letters, you use the keyboard. If you prefer to unlock iPhone using the numeric keypad, create a passcode using numbers only.

Enroll fingerprints and set options for the Touch ID sensor. (iPhone 5s) Go to Settings > General > Passcode & Fingerprint > Fingerprints. See Touch ID sensor, below.

Allow access to features when iPhone is locked. Go to Settings > General > Passcode & Fingerprint (iPhone 5s) or Settings > General > Passcode Lock (other models). Optional features include:

▫ Voice Dial

▫ Siri (if enabled, see Siri settings on page 42)

▫ Passbook (see Chapter 24, Passbook, on page 104)

▫ Reply with Message (see When someone calls on page 44)

Allow access to Control Center when iPhone is locked. Go to Settings > Control Center. See Control Center on page 29.

Erase data after ten failed passcode attempts. Go to Settings > General > Passcode & Fingerprint (iPhone 5s) or Settings > General > Passcode Lock (other models), then 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.

If you forget your passcode, you must restore the iPhone software. See Restore iPhone on page 149.

Touch ID sensor

On iPhone 5s, you can use a fingerprint instead of your passcode or Apple ID to unlock iPhone or make purchases on the iTunes Store, App Store, and iBooks Store.

Set up the Touch ID sensor. Go to Settings > General > Passcode & Fingerprint > Fingerprints. Set whether you want to use a fingerprint to unlock iPhone, and to make iTunes Store, App Store, or iBooks Store purchases. Tap Add a Fingerprint, and follow the onscreen instructions. You can add more than one fingerprint (one for your spouse, for example).

Delete a fingerprint. Tap Edit, then tap 🔴. If you have more than one fingerprint, touch a finger to the Home button to find out which fingerprint it is.

Name a fingerprint. Tap Edit, tap the fingerprint, then enter a name, such as "Right thumb."

Use the Touch ID sensor to unlock iPhone or make a purchase. Touch the Home button with a finger you've enrolled in Settings. You can unlock iPhone either from the Lock screen or from the Passcode screen. When purchasing from the iTunes Store, App Store, or iBooks Store, follow the prompts to enable purchases with your fingerprint. Or go to Settings > General > Passcode & Fingerprint > Fingerprints > iTunes & App Store.

Note: If you turn iPhone off, you'll be asked to confirm your passcode when you turn iPhone back on and unlock it the first time, and your Apple ID for the first purchase you make.

Limit Ad Tracking

Restrict or reset Ad Tracking. Go to Settings > General > Privacy > Advertising. Turn on Limit Ad Tracking to prevent apps from accessing your iPhone advertising identifier. For more information, tap Learn More.

Find My iPhone

Find My iPhone can help you locate and secure your iPhone using the free Find My iPhone app (available in the App Store) on another iPhone, iPad, or iPod touch, or using a Mac or PC web browser signed in to www.icloud.com. Activation Lock is enabled automatically when you turn on Find My iPhone. It can help deter theft by requiring your Apple ID and password if anyone tries to erase or reactivate your iPhone.

Turn on Find My iPhone. Go to Settings > iCloud > Find My iPhone.

Important: To use Find My iPhone features, Find My iPhone must be turned on *before* your iPhone is lost. iPhone must be able to connect to the Internet for you to locate and secure the device.

Use Find My iPhone. Open the Find My iPhone app on an iOS device, or go to www.icloud.com on your computer. Sign in and select your device.

- *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.

Note: To turn off Activation Lock and erase your personal information, you should erase your iPhone before selling or giving it away. Go to Settings > General > Reset > Erase All Content and Settings. See Sell or give away iPhone? on page 150.

Charge and monitor the 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 143.

Charge the battery. Connect iPhone to a power outlet using the included cable and USB power adapter.
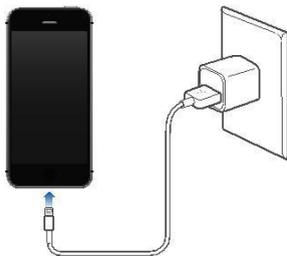
Note: Connecting iPhone to a power outlet can start an iCloud backup or wireless iTunes syncing. See Back up iPhone on page 148 and Sync with iTunes on page 18.

You can also charge the battery by connecting iPhone to your computer, which also allows you to sync iPhone with iTunes. See Sync with iTunes on page 18. 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. To display the percentage of battery charge remaining, go to Settings > General > Usage. When syncing or using iPhone, it may take longer to charge the battery.

Important: If iPhone is very low on power, it may display an image of a nearly depleted battery, 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. The iPhone battery isn't user replaceable; it can be replaced only by an authorized service provider. See www.apple.com/batteries/replacements.html.

Travel with iPhone

If you travel outside your carrier's network area, you can avoid roaming charges by turning off voice and data roaming services in Settings > Cellular. See Cellular settings on page 149.

Some airlines let you keep your iPhone turned on if you switch to Airplane Mode. You can't make calls or use Bluetooth, but you can listen to music, play games, watch videos, or use other apps that don't require network or phone connections. If the airline allows it, you can turn Wi-Fi or Bluetooth back on to enable those services, even while in Airplane Mode.

Turn on Airplane Mode. Swipe up from the bottom edge of the screen to open Control Center, then tap ✈. You can also turn Airplane Mode on or off in Settings. When airplane mode is on, ✈ appears in the status bar at the top of the screen.

Wi-Fi and Bluetooth can also be turned on or off in Control Center.

Siri

4

Make requests

The power of Siri is yours for the asking.

Summon Siri. Press and hold the Home button, until Siri beeps

Note: To use Siri, iPhone must be connected to the Internet. See Connect to the Internet on page 16.

Ask Siri anything, from "set the timer for 3 minutes" to "what movies are showing tonight?" Open apps, and turn features on or off, like Airplane Mode, Bluetooth, Do Not Disturb, and Accessibility. Siri understands natural speech, so you don't have to learn special commands or keywords.

What Siri heard you say

Siri's response

Tap to speak to Siri.
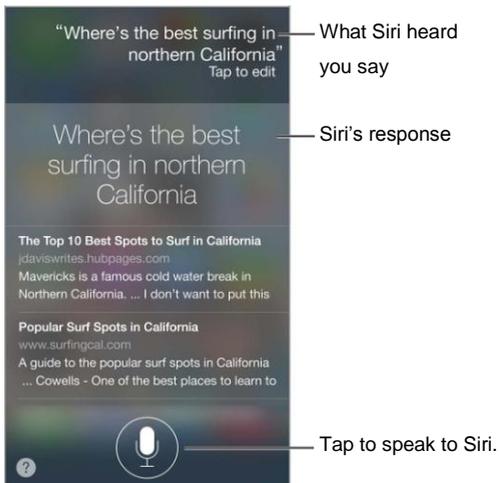
For hints, ask Siri "what can you do," or tap ⑦.

Siri often displays helpful info on your screen. Tap the info to open a related app or get more details.

Use Raise to Speak. Raise iPhone to your ear and speak after the beep. (If the screen isn't on, first press the Lock or Home button.) Raise to Speak must be turned on in Settings > General > Siri.
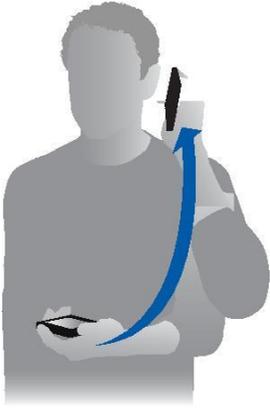
Change Siri's voice gender. Go to Settings > General > Siri (may not be available in all areas).

Use Siri with your iPhone headset or another wired or Bluetooth headset. Connect the headset, then press and hold the center or call button.

Tell Siri about yourself

If you let Siri know who you are, you can get personalized service—like, "remind me when I get home to call my wife."

Tell Siri who you are. Fill out your info card in Contacts, then go to Settings > General > Siri > My Info and tap your name.

Be sure to include your home and work addresses, and your relationships.

Note: Location information isn't tracked or stored outside iPhone. If you don't want to use Location Services, go to Settings > Privacy > Location Services to turn it off. You can still use Siri, but Siri won't be able to do anything that requires knowing your location.

Make corrections

Want to cancel that last command? Say "cancel," tap the Siri icon, or press the Home button.

If Siri doesn't get something right, you can tap to edit your request.
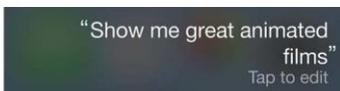
Or tap 🎤 again and clarify your request. For example, "I meant Boston." Don't bother saying what you *didn't* mean.

Siri settings

To set options for Siri, go to Settings > General > Siri. Options include:

⋮ turning Siri on or

⋮ off language

⋮ voice gender (may not be available in all

⋮ areas) voice feedback

⋮ My Info card

⋮ raise to speak

Prevent access to Siri when iPhone is locked. Go to Settings > General > Passcode & Fingerprint (iPhone 5s) or Settings > General > Passcode Lock (other models). You can also disable Siri by turning on restrictions. See Restrictions on page 35.

Phone

<div style="text-align: right; font-size: 3em; font-weight: bold;">5</div>

Phone calls

Make a call

Making a call on iPhone is as simple as choosing a number in your contacts, or tapping one of your favorites or recent calls. Or just ask Siri to "call Bob Jones."

WARNING: For important information about avoiding distractions while on a call, see Important safety information on page 143.

Add favorites. With Favorites, you can make a call with a single tap. To add someone to your Favorites list, tap +. You can also add names to Favorites from Contacts. In Contacts, tap Add to Favorites at the bottom of a card, and tap the number to add.

Delete a name or rearrange your Favorites list. Tap Edit.

Return a recent call. Tap Recents, then tap the call. Tap ⓘ to get more info about the call, or the caller. A red badge indicates the number of missed calls.

Dial manually. 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.

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 40 and Voice Control on page 28.

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…." For the 800 area code in the U.S., you can say "eight hundred."

When someone calls

Tap Answer to take an incoming call. Or if iPhone is locked, drag the slider. You can also press the center button on your headset.
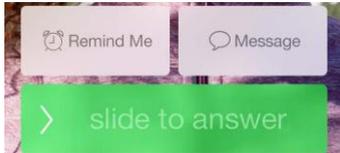
Silence a call. Press the Sleep/Wake button or either volume button. You can still answer the call after silencing it, until it goes to voicemail.

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).

Respond with a text message instead of answering. Tap Message and choose a reply or tap Custom. To create your own default replies, go to Settings > Phone > Respond with Text, then tap any of the default messages and replace it with your own text.

Remind yourself to return the call. Tap Remind Me and indicate when you want to be reminded.

Keep it quiet

Want to go offline for a while? Swipe up from the bottom edge of the screen to open Control Center, then turn on Do Not Disturb or Airplane Mode. See Do Not Disturb on page 31 and Travel with iPhone on page 39.

Block unwanted callers. On a contact card, tap Block this Caller (you can see a caller's contact card from Favorites or Recents by tapping ⓘ). You can also block callers in Settings > Phone > Blocked. You will not receive voice calls, FaceTime calls, or text messages from blocked callers. For more information about blocking calls, see support.apple.com/kb/HT5845.

While on a call

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

Mute your line. Or
touch and hold to put
your call on hold. Dial or enter a number.

Use the
speakerphone
or a Bluetooth
device.

Get contact
info.

Make another call.

Make a
FaceTime call.
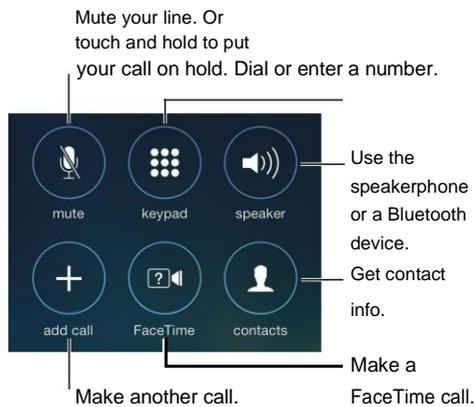
Use another app while on a call. Press the Home button, then open the app. To return to the call, tap the green bar at the top of the screen.

Respond to a second call. You can:

- *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.

With a call on hold, tap Swap to switch between calls or tap Merge Calls to talk with both parties at once. See Conference calls, below.

Note: With CDMA, you can't switch between calls if the second call was outgoing, but you can merge the calls. You can't merge calls if the second call was incoming. If you end the second call or the merged call, both calls are terminated.

Conference calls

With GSM, you can set up a conference call with up to five people (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 ⓘ next to a person, then tap End.
- *Talk privately with one person:* Tap ⓘ, 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.

Emergency calls

Make an emergency call when iPhone is locked. On the Enter Passcode screen, tap Emergency Call (to dial 911 in the U.S., for example).

Important: You can use iPhone to make an emergency call in many locations, provided that cellular service is available, but you should not rely on it 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.

Visual voicemail

Visual voicemail lets you see a list of your messages and choose which one to listen to or delete, without having to wade through all of them. A badge on the Voicemail icon tells you how many unheard messages you have. 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.
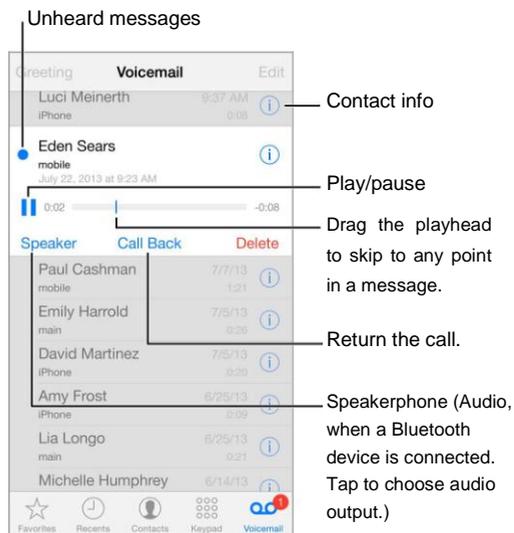
Messages are saved until you delete them or your carrier erases them.

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.

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

Update your greeting. Tap Voicemail, tap Greeting, tap Custom, then tap Record. Or, to use your carrier's generic greeting, tap Default.

Set an alert sound for new voicemail. Go to Settings > Sounds.

Change the 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 28, Contacts, on page 112.

Call forwarding, call waiting, and caller ID

Set up call forwarding, call waiting, or caller ID. (GSM) 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.
- *Call Waiting:* If you're on a call and call waiting is turned off, incoming calls go directly to voicemail.
- *Caller ID:* For FaceTime calls, your phone number is displayed even if caller ID is turned off.

For CDMA accounts, contact your carrier for information about enabling and using these features. See support.apple.com/kb/HT4515.

Ringtones and vibrations

iPhone comes with ringtones that sound for incoming calls, Clock alarms, and the Clock timer. You can also purchase ringtones from songs in the iTunes Store. See Chapter 22, iTunes Store, on page 99.

Set the default ringtone. Go to Settings > Sound > Ringtone.

Assign different ringtones for the special people in your life. Go to Contacts, choose a contact, tap edit, then tap Ringtone.

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

Important: Clock alarms still sound when the Ring/Silent switch is set to silent. **Turn**

vibrate on or off. Go to Settings > Sounds. See Sounds and silence on page 31.

International calls

For information about making international calls from your home area (including rates and other charges that may apply), contact your carrier.

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 while roaming, turn off Voice Roaming and Data Roaming.

You may be able to roam on GSM networks, if you have a CDMA account and you have an iPhone 4S or later with a SIM card installed. While 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 > 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)

See Usage information on page 147.

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

Make calls to your contacts and favorites while traveling abroad. (GSM) Go to Settings > Phone and turn on Dial Assist. Dial Assist automatically adds the prefix or country code for calls to the U.S.

Select a carrier network. Go to Settings > 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.

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.

Phone settings

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 > Sounds to:

▸ Set ringtones and volume

▸ Set vibration options

▸ Set the sound for new voicemail

Once you select a network, iPhone uses only that network. If the network is unavailable, "No service" appears on iPhone.

Mail

6

Write messages

Mail lets you access all of your email accounts, on the go.

Change mailboxes or accounts.

Delete, move, or mark multiple messages.

Search for messages.

Compose a message.
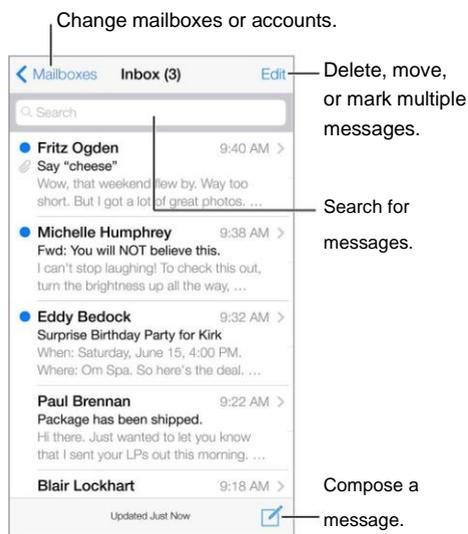
Insert a photo or video. Tap the insertion point. Tap the arrows to see more choices. Also see Edit text on page 26.

Quote some text when you reply. Tap the insertion point, then select the text you want to include. Tap ↰, then tap Reply.

Send a message from a different account. Tap the From field to choose an account.

Change a recipient from Cc to Bcc. After you enter recipients, you can drag them from one field to another or change their order.

Get a sneak peek
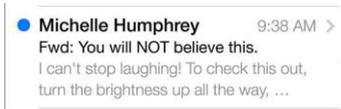
See a longer preview. Go to Settings > Mail, Contacts, Calendars > Preview. You can show up to five lines.

Is the message for me? Turn on Settings > Mail, Contacts, Calendars > Show To/Cc Label. If the label says Cc instead of To, you were just copied. You can also use the To/Cc mailbox, which gathers all mail addressed to you. To show or hide it, swipe to the right (or tap Mailboxes), then tap Edit.

Finish a message later

Save it, don't send it. If you're writing a message and want to finish it later, tap Cancel, then tap Save Draft.

Finish a saved draft. Touch and hold Compose. Pick the draft from the list, then finish it up and send, or save it again as a draft.

Show draft messages from all of your accounts. While viewing the Mailboxes list, tap Edit, tap Add Mailbox, then turn on the All Drafts mailbox.

Delete a draft. In the Drafts list, swipe left across a draft, then tap Delete.

See important messages

Gather important messages. Add important people to your VIP list, and their messages all appear in the VIP mailbox. Tap the sender's name in a message, then tap Add to VIP. To show or hide the VIP mailbox, tap Edit while viewing the Mailboxes list.

Get notified of important messages. Notification Center lets you know when you receive messages in favorite mailboxes or messages from your VIPs. Go to Settings > Notification Center > Mail.

Flag a message so you can find it later. Tap ⚑ while reading the message. You can change the appearance of the flagged message indicator in Settings > Mail, Contacts, Calendars > Flag Style. To see the Flagged mailbox, tap Edit while viewing the Mailboxes list, then tap Flagged.

Search for a message. Scroll to or tap the top of the messages list to reveal the search field. You can search the current mailbox, or all mailboxes at once. Searching looks at the address fields, the subject, and the message body.

Search by timeframe. Scroll to or tap the top of the messages list to reveal the search field, then type something like "February meeting" to find all messages from February with word "meeting."

Search by message state. To find all flagged, unread messages from people in your VIP list, type "flag unread vip." You can also search for other message attributes, such as "attachment."

Junk, be gone! Tap ⚑ while you're reading a message, then tap Move to Junk to file it in the Junk folder. If you accidentally mark a message as junk, shake iPhone immediately to undo.

Make a favorite mailbox. Favorites appear at the top of the Mailboxes list. To add one, tap Edit while viewing the Mailboxes list. Tap Add Mailbox, then select the mailboxes to add. You'll also get push notifications for your favorite mailboxes.

Attachments
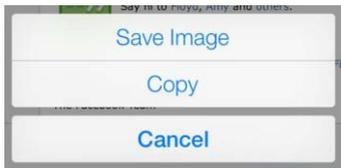
Save a photo or video to your Camera Roll. Touch and hold the photo or video until a menu appears, then tap Camera Roll.

Use an attachment with another app. Touch and hold the attachment until a menu appears, then tap the app you want to open the attachment with.

Include attachments in your reply. When you reply to a message, attachments aren't included. To include them, forward the message instead.

See messages with attachments. The Attachments mailbox shows messages with attachments from all accounts. To add it, tap Edit while viewing the Mailboxes list.

Work with multiple messages
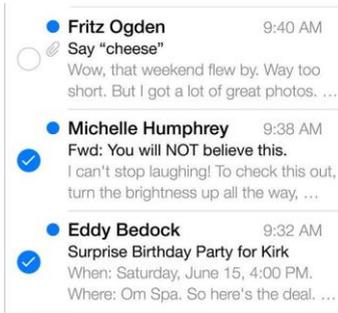
Delete, move, or mark multiple messages. While viewing a list of messages, tap Edit. Select some messages or tap Mark All, then choose an action. If you make a mistake, shake iPhone immediately to undo.

Organize your mail. Create mailboxes to organize your mail. Go to the mailbox list (if necessary), then tap Edit to make a new one, or rename or delete one. (Some built-in mailboxes can't be changed.) There are several smart mailboxes, such as Unread, that show messages from all your accounts. Tap the ones you want to use.

Recover a deleted message. Go to the account's Trash mailbox, open the message, then tap ⊟ and move the message. Or, if you just deleted it, shake iPhone to undo. To see deleted messages across all your accounts, add the Trash mailbox. To add it, tap Mailboxes, then tap Edit and select it from the list.

Archive instead of delete. Instead of deleting messages, you can archive them so they're still around if you need them. Turn Archive Mailbox in Settings > Mail, Contacts, Calendars > *account name* > Account > Advanced. To delete a message instead of archiving it, touch and hold ◼, then tap Delete.

Deal with a message without opening it. Swipe left on a message, then tap Delete or Archive. Or tape More to move, forward, reply, flag, or move it to the Junk folder.

Stash your trash. You can set how long deleted messages stay in the Trash mailbox. Go to Settings > Mail, Contacts, Calendars > *account name* > Account > Advanced.

See and save addresses
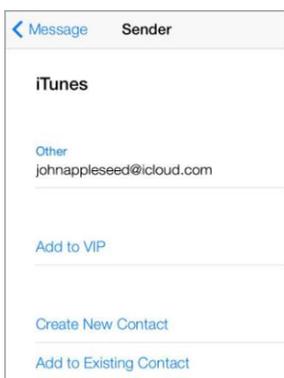
See who received a message. While viewing the message, tap More in the To field.

Add someone to Contacts or make them a VIP. Tap the person's name or email address.

Print messages

Print a message. Tap ↰, then tap Print.

Print an attachment or picture. Tap to view it, then tap ↰ and choose Print.
See AirPrint on page 34.

Mail settings

Go to Settings > Mail, Contacts, Calendars, where you can:

- Use a different mail signature for each account
- Add additional mail accounts
- Bcc yourself on every message you send
- Turn on Organize by Thread to group related messages together
- Turn off confirmation for deleting a message
- Turn off Push delivery of new messages, to save on battery power
- Temporarily turn off an account

Safari

7

Safari at a glance

Tap to enter a web address or search item.

To zoom, double tap an item or pinch.

See your bookmarks, reading list, browsing history, and tweeted links.

Swipe through open pages or open a new page.

Choose from many ways to share or save.

Revisit recent pages.

Search

Enter what you're searching for, then tap Go.

Or tap a suggestion.

Tap here to search the current page.
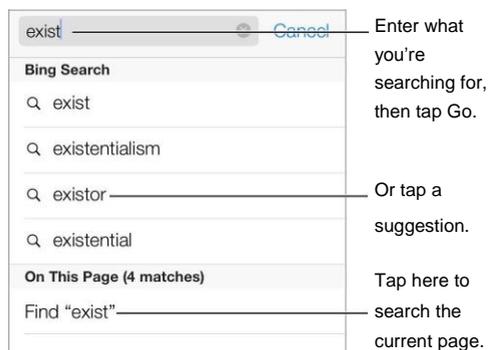
Search the web. Enter a URL or search term in the search field at the top of the page, then tap Search or a suggested term.

Have your favorites top the list. Select them in Settings > Safari > Favorites.

Search the page. Scroll to the bottom of the suggested results list and tap the entry under On This Page. Tap ⟩ to see the next occurrence on the page.

Choose your search tool. Go to Settings > Safari > Search Engine.

Browse
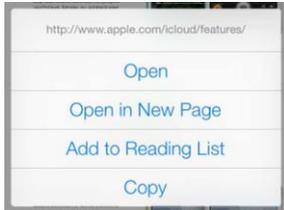
Touch and hold a link to see these options.

Look before you leap. To see the URL of a link before you go there, touch and hold the link.

Open a link in a new page. Touch and hold the link, then tap Open in New Page. If you'd rather open new pages in the background, go to Settings > Safari > Open Links.

Browse open pages. Tap ▣. To close a page, tap ✕ or swipe the page to the left.

Scroll to the bottom to see pages open on other devices.

Pick up where you left off. If you turn on　Safari in Settings > iCloud, you can view a page that's , open on one of your other devices. Tap　▣ then scroll to the list at the bottom of the page.

Get back to the top. Tap just above the search field to return to the top of the page.

See the latest. Tap ↻ next to the address in the search field to update the page.

Bookmark

Bookmarks

Links in tweets

Reading list
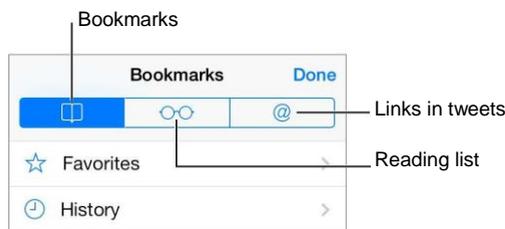
Bookmark the current page. Tap ⬆, then tap Bookmark. To revisit the page, tap ▢, then tap the bookmark.

Get organized. To create a folder for bookmarks, tap ▢, then tap Edit.

Choose which favorites appear when you tap the search field. Go to Settings > Safari > Favorites.

Bookmarks bar? Turn on Safari in Settings > iCloud if you want items from the bookmarks bar in Safari on your Mac to appear in Favorites on iPhone.

Create a webclip shortcut on your Home screen. Tap ⬆, then tap Add to Home Screen. The webclip appears only on the device where you create it.

Share

Tap to share with a nearby friend using AirDrop.

Share using the usual methods.

Spread the news. Tap ⬆.

See who's tweeting what. Log in to Twitter on iPhone, then tap 📖 and look under @ to see links tweeted by your friends.

AutoFill

Whether you're logging in to a website, signing up for a service, or making a purchase, you can fill in a web form using the onscreen keyboard or have Safari fill it in for you using AutoFill.

Logging in to the same site frequently? When you're asked if you want to save the password for the site, tap Yes. The next time you visit, your user name and password will be filled in for you.

Fill in a form. Tap any field to bring up the onscreen keyboard. Tap ⟨ or ⟩ above the onscreen keyboard to move from field to field.

Fill it in automatically. Go to Settings > Safari > Passwords & Autofill and turn on Use Contact Info. Then, tap AutoFill above the onscreen keyboard when you're filling in the form.

Enter your credit card information. Go to Settings > Safari > Autofill and save your credit card information, then look for the AutoFill Credit Card button above the onscreen keyboard whenever you're in a credit card field. Your card's security code is not stored, so you still enter that yourself.

Submit a form. Tap Go, Search, or the link on the webpage.

Reader

Use Safari Reader to focus on a page's primary content.

Tap to view the page in Reader.
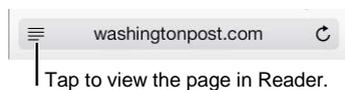
Avoid clutter. Tap the icon at the left end of the address field. Reader isn't available for all pages.

Share just the good stuff. Tap ⬆ while viewing the page in Reader to share just the article text and a link to it.

Return to the full page. Tap the reader icon in the address field again.

Reading list

Save interesting items in your reading list so you can revisit them later. You can read pages in your reading list even when you're not connected to the Internet.
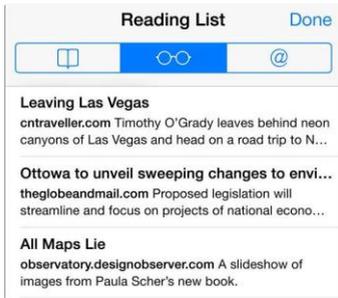
Add the current page to your reading list. Tap ⬆, then tap Add to Reading List.

Add a linked page without opening it. Touch and hold the link, then tap Add to Reading List.

View your reading list. Tap ▭, then tap ⌒⌒.

Delete something from your reading list. Swipe left on the item in your reading list.

Don't want to use cellular data to download reading list items? Turn off Settings > Safari > Use Cellular Data.

Privacy and security

You can adjust Safari settings to keep your browsing activities to yourself and protect yourself from malicious websites.

Ask for a little privacy. Turn on Settings > Safari > Do Not Track. Safari will ask websites you visit to not track your browsing, but beware—a website can choose not to honor the request.

Avoid cookie clutter. Go to Settings > Safari > Accept Cookies. To remove cookies already on iPhone, go to Settings > Safari > Clear Cookies and Data.

Erase your browsing history and data from iPhone. Go to Settings > Safari > Clear History, and Settings > Safari > Clear Cookies and Data.

Visit sites without making history. Tap Private on either the open pages screen or the bookmarks screen. Sites you visit will not be added to History on your iPhone.

Watch for suspicious websites! Turn on Settings > Safari > Fraudulent Website Warning.

Safari settings

Go to Settings > Safari, where you can:

- Choose your search engine
- Enter your AutoFill information
- Choose which favorites are displayed when you
- search Have links open in a new page or in the
- background Block pop-ups
- Tighten privacy and security
- Clear your history, cookies, and data

Music

8

iTunes Radio

Featured stations provide a great way to explore and enjoy new music in a variety of genres. Also create your own custom stations, based on your pick of artist, song, or genre. See iTunes Match on page 63.

> **WARNING:** For important information about avoiding hearing loss, see Important safety information on page 143.

Note: iTunes Radio may not be available in all areas. For more information about iTunes Radio, go to support.apple.com/kb/HT5848.
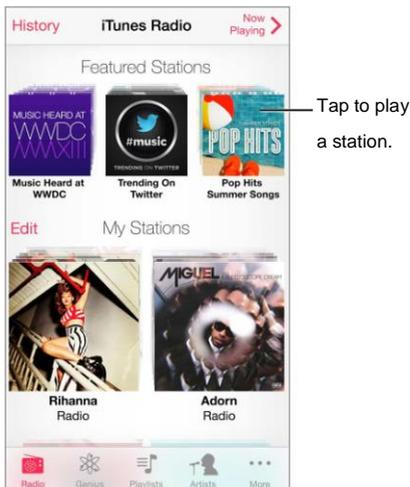
When you pick a station and play a song, the Now Playing screen shows the album art and the playback controls. Tap ⓘ to find out more, create a new station, fine-tune the station, or share it. See AirDrop, iCloud, and other ways to share on page 31.

Create your own station based on an artist, genre, or song. Tap New Station on the iTunes Radio screen. Choose a genre, or do a search for your favorite artist, song, or genre. You can also create a station from the Now Playing screen by tapping the Create button.

Edit your stations. Tap Edit. You can include or exclude other artists, songs, or genres, or delete a station.

Influence upcoming song selections. On the Now Playing screen, tap ★, then tap Play More Like This or Never Play This Song. You can also add the song to your iTunes Wish List.

Skip to the next song. On the Now Playing screen, tap ►►. You can skip a limited number of songs per hour.

Purchase songs for your personal library. On the Now Playing screen, tap the price button.

Share a station you created. On the Now Playing screen, tap ⓘ, then tap Share Station.

Listen to iTunes Radio ad free. Subscribe to (and turn on) iTunes Match. See iTunes Match on page 63.

Get music

Get music and other audio content on to iPhone in the following ways:

▹ *Purchase and download from the iTunes Store:* In Music, tap Store. See Chapter 22, iTunes Store, on page 99.

▹ *iTunes in the Cloud:* When you're signed in to the iTunes Store, all of your previous purchases automatically appear in Music. See iCloud on page 17.

▹ *Sync content with iTunes on your computer:* See Sync with iTunes on page 18.

▹ *Use iTunes Match to store your music library in iCloud:* See iTunes Match on page 63.

Browse and play

Browse your music by playlist, artist, or other category. For other browse options, tap More. Tap any song to play it.

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

Tap to listen.

See additional browse options.

Choose how to browse.
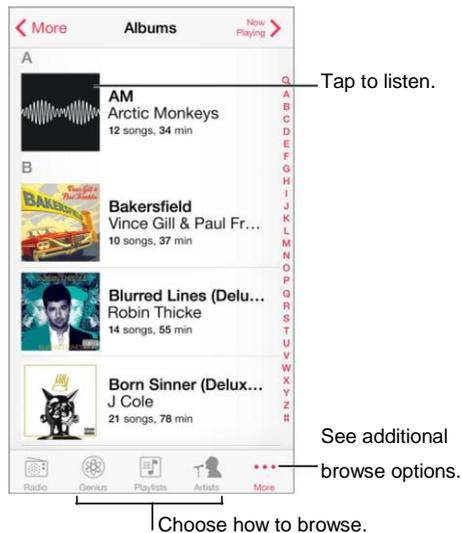
Tired of tapping More? To rearrange the buttons, tap More, then tap Edit and drag a button onto the one you want to replace.

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

Back

8 of 13 — Track list

Playhead

1:06   -5:03

Get Lucky (feat. Pharrell Willian
Daft Punk - Random Access Memories

Volume

Repeat   Create   Shuffle

Tap to create a Genius Playlist
or an iTunes Radio station.

Display lyrics. If you've added lyrics to the song, tap the album cover to see them. To add lyrics, use the song's Info window in iTunes on your computer, then sync the song to iPhone. (Lyrics aren't supported by iTunes Match.)

Skip to any point in a song. Drag the playhead. Slow down the scrub rate by sliding your finger down the screen.

Shuffle. Tap Shuffle on the Now Playing screen to play your tunes in random order.

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

Tap rate this song for creating
smart playlists in iTunes.

Rating   Done — Return to the Now
Playing screen.

Daft Punk
Random Access Memo...
13 songs   1:14:35

11. Give Life Back to Music   4:35

2   The Game of Love   5:23   — Album tracks
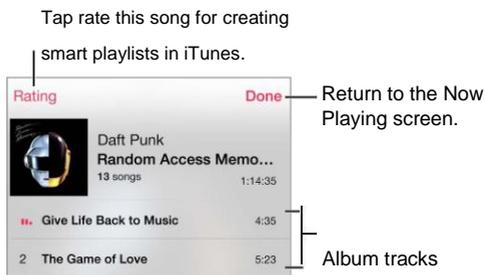
Search music. While browsing, tap the status bar to reveal the search field at the top of the screen, then enter your search text. You can also search audio content from the Home screen. See Search on page 29.

Rate a song for smart playlists in iTunes. Tap the screen to reveal the rating dots, then tap a dot to assign a rating.

Get audio controls from the Lock screen or when using another app. Swipe up from the bottom edge of the screen to open Control Center. See Control Center on page 29.

1:32   -2:00
The One That Got Away   — Currently
The Civil Wars - The Civil Wars   playing song

Play music on AirPlay speakers or Apple TV. Swipe up from the bottom edge of the screen to open Control Center, then tap ◻. See AirPlay on page 33.

Album Wall

Rotate iPhone to view your album art.

Swipe left or right to see other albums. Tap an album to see its songs.

Audiobooks

Audiobook controls and info appear on the Now Playing screen when you begin playback.
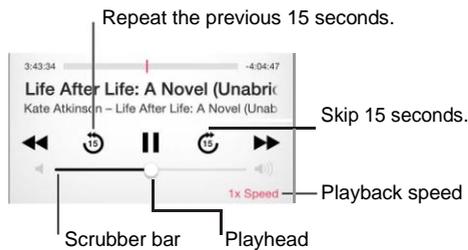
Playlists

Create playlists to organize your music. View Playlists, tap New Playlist near the top of the list, then enter a title. Tap $+$ to add songs or videos.
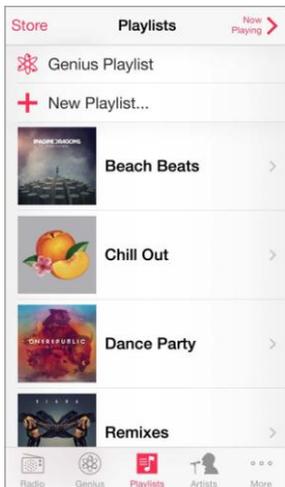
Edit a playlist. Select the playlist, then tap Edit.

- *Add more songs:* Tap $+$.
- *Delete a song:* Tap ⊖, then tap Remove. 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 through iCloud if you've subscribed to iTunes Match.

Clear or delete a playlist you created on iPhone. Select the playlist, then tap Clear or Delete.

Remove a song from iPhone. Tap 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.

Genius—made for you

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. 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 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 Create, then tap Genius Playlist.

- *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 ⚛.

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.

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

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 40 and Voice Control on page 28.

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 also lets you listen to iTunes Radio ad-free (see iTunes Radio on page 58). iTunes Match is offered as a paid subscription.

Note: iTunes Match may not be available in all areas. See support.apple.com/kb/HT5085.

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. For more information, see www.apple.com/itunes/itunes-match.

Turn on iTunes Match. Go to Settings > Music. Turning on iTunes Match removes synced music from iPhone.

Note: Cellular charges may apply if iTunes Store is on in the "Use Cellular Data For" section of Settings > Cellular. See Usage information on page 147.

Songs are downloaded to iPhone when you play them. You can also download songs and albums manually—while browsing, tap ☁.

Note: When iTunes Match is on, downloaded music is automatically removed from iPhone as space is needed, starting with the oldest and least-played songs. An iCloud icon (☁) appears next to removed songs and albums, showing that the songs and albums are still available through iCloud but not stored locally on iPhone.

Remove a song or album. Swipe left, then tap Delete.

Just show music that's been downloaded from iCloud. Go to Settings > Music, then turn off Show All Music.

Remove iPhone from your list of "iTunes in the Cloud" devices. In iTunes on your computer, choose Store > View 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 File > Home Sharing > 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:

▹ Sound Check (to normalize the volume level of your audio

▹ content) Equalization (EQ)

Note: EQ settings affect 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 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. (The Late Night setting applies to all audio output—video as well as music.)

▹ Lyrics info

▹ Grouping by album artist

Set the volume limit. Go Settings > Music > Volume Limit.

Note: In some European Union (EU) countries, iPhone may indicate when you're setting the volume above the EU recommended level for hearing safety. To increase the volume beyond this level, you may need to briefly release the volume control. To limit the maximum headset volume to this level, go to Settings > Music > Volume Limit and turn on EU Volume Limit. To prevent changes to the volume limit, go to Settings > General > Restrictions.

Prevent changes to the volume limit. Go to Settings > General > Restrictions > Volume Limit and tap Don't Allow Changes.

Messages

9

SMS, MMS, and iMessages

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

WARNING: For important information about avoiding distractions while driving, see Important safety information on page 143.

iMessage is an Apple service that lets you send unlimited messages over Wi-Fi (or cellular connections) to others using iOS 5 or later, or OS X Mountain Lion or later. 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. For security, iMessages are encrypted before they're sent.

Send and receive messages

Blue indicates an iMessage conversation.

Tap to enter text.

Tap the attach media button to include a photo or video.
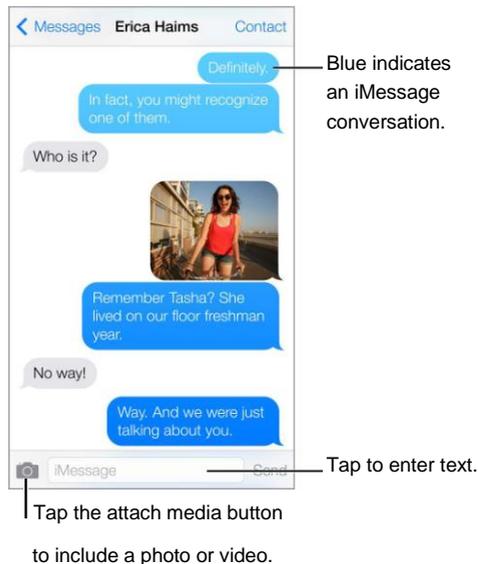
Start a text conversation. Tap ✑, then enter a phone number or email address, or tap ⊕ and choose a contact.

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. When you type a message, tap ⊕ to change to the Emoji keyboard. See Special input methods on page 142.

See what time a message was sent or received. Drag any bubble to the left.

Make a voice call or FaceTime call to the person you're texting. Tap Contact at the top of the screen, then tap ✆ or □¶.

See a person's contact info. Tap Contact at the top of the screen, then tap ⓘ. Tap info items to perform actions, such as making a FaceTime call.

See earlier messages in the conversation. Tap the status bar to scroll to the top. Tap Load Earlier Messages, if necessary.

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.

Block unwanted messages. On a contact card, tap Block this Caller. You can see someone's contact card while viewing a message by tapping Contact, then tap ⓘ. You can also block callers in Settings > Phone > Blocked. You will not receive voice calls, FaceTime calls, or text messages from blocked callers. For more information about blocking calls, see support.apple.com/kb/HT5845.

Manage conversations

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

View the Messages list. Swipe to the right.

Forward a message. Touch and hold a message or attachment, tap More, select additional items if desired, then tap ↪.

Delete a message. Touch and hold a message or attachment, tap More, select more if desired, then tap 🗑. To delete all text and attachments without deleting the conversation, tap Delete All.

Delete a conversation. In the Messages list, swipe the conversation from right to left, then tap Delete.

Search conversations. In the Messages list, 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 Search on page 29.

Share photos, videos, and more

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 necessary.

Send a photo or video. Tap 📷. You can choose an existing photo or video on iPhone, or take a new one.

See full-size photos or video. Tap the photo or video. To see other photos and videos in the conversation, tap ☰ . Tap ‹ to return to the conversation.

Send items from another app. In the other app, tap Share or ↥, then tap Message.

Share, save, or print an attachment. Tap the attachment, then tap ↥.

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

Add someone to your contacts. From a conversation, tap Contact, then tap Create New Contact.

Save contact info. Tap Contact at the top of the screen, tap ⓘ, 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
- Turning group messaging on or
- off Showing the Subject field
- Showing the character count
- Blocking unwanted messages

Manage notifications for messages. See Do Not Disturb on page 31.

Set the alert sound for incoming text messages. See Sounds and silence on page 31.

Calendar

10

Calendar at a glance

Change calendars or accounts.
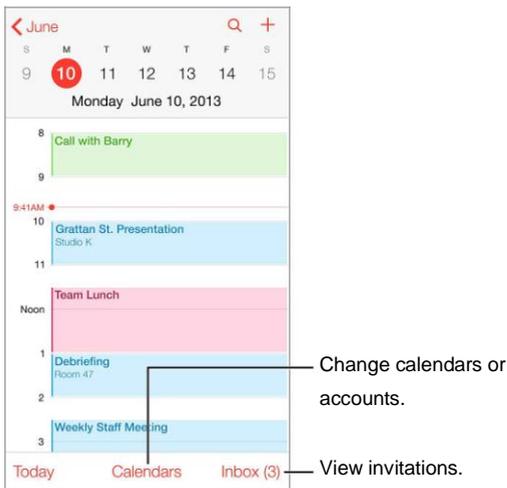
View invitations.

Search for events. Tap $\mathbb{Q}$, then enter text in the search field. The titles, invitees, locations, and notes for the calendars you're viewing are searched.

View a weekly calendar. Rotate iPhone sideways.

Change your view. Tap a year, month, or day to zoom in or out on your calendar. Tap Today to get back to current events.

Adjust an event. Touch and hold the event, then drag it to a new time, or adjust the grab points.

Invitations

If you have an iCloud account, a Microsoft Exchange account, or a supported CalDAV account, you can send and receive meeting invitations.

Invite others to an event. Tap an event, tap Edit, then tap Invitees. Type names, or tap $\oplus$ to pick people from Contacts.

RSVP. Tap an event you've been invited to, or tap Inbox and tap an invitation. If you add comments (which may not be available for all calendars), your comments can be seen by the organizer but not by other attendees. To see events you've declined, tap Calendars, then turn on Show Declined Events.

Schedule a meeting without blocking your schedule. Tap the event, then tap Availability and tap "free." Or if it's an event you created, tap "Show As" and tap "free." The event stays on your calendar, but it doesn't appear as busy to others who send you invitations.

Use multiple calendars

Select which calendars to view.

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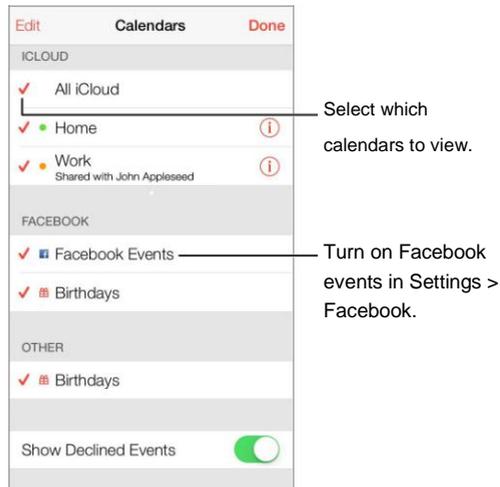
Turn on iCloud, Google, Exchange, or Yahoo! calendars. Go to Settings > Mail, Contacts, Calendars, tap an account, then turn on Calendar.

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

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

See multiple calendars at once. Tap Calendars, then select the calendars you want to view.

Move an event to another calendar. Tap the event, tap Edit, then tap Calendars and select a calendar to move it to.

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.

Share iCloud calendars

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

Create an iCloud calendar. Tap Calendars, tap Edit, then tap Add Calendar in the iCloud section.

Share an iCloud calendar. Tap Calendars, tap Edit, then tap the iCloud calendar you want to share. Tap Add Person and enter a name, or tap ⊕ to browse your Contacts. Those you invite receive an email invitation to join the calendar, but they need an iCloud account in order to accept.

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

Turn off notifications for shared calendars. When someone modifies a shared calendar, you're notified of the change. To turn off notifications for shared calendars, go to Settings > Mail, Contacts, Calendars > Shared Calendar Alerts.

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 OS X.

Calendar settings

Several settings in Settings > Mail, Contacts, Calendars affect Calendar and your calendar accounts. These include:

▹ Syncing of past events (future events are always
▹ synced) Alert tone played for new meeting invitations
▹ Default calendar for new
▹ events Default time for alerts
▹ Calendar time zone support, to show dates and times using a different time zone
▹ Which day starts the week

Photos

11

View photos and videos

Photos lets you view your:

- Camera Roll—photos and videos you took on iPhone, or saved from an email, text message, webpage, or screenshot
- Shared photos and videos—Photos and videos that you've shared with iCloud Photo Sharing or that others have shared with you (see iCloud Photo Sharing on page 72)
- Photos and videos synced from your computer (see Sync with iTunes on page 18)

Tap to view full-screen.

View your photos and videos. Tap Photos. Photos automatically organizes your photos and videos by year, by collection, and by moment. To quickly browse the photos in a collection or year, touch and hold for a moment, then drag.

By default, Photos displays a representative subset of your photos when you view by year or by collection. To see all your photos, go to Settings > Photos & Camera and turn off Summarize Photos.

View by events or by faces. Albums you sync with iPhoto 8.0 or later, or Aperture v3.0.2 or later, can be viewed by events or by faces. Tap Albums, then scroll to find Events or Faces.

View by location. While viewing by year or by collection, tap ˃. Photos and videos that include location information appear on a map, showing where they were taken.

While viewing a photo or video, tap to show and hide the controls. Swipe left or right to go forward or backward.

Zoom in or out. Double-tap, or pinch and stretch a photo. When you zoom in, you can drag to see other parts of the photo.

Play a video. Tap ▶. To toggle between full-screen and fit-to-screen, double-tap the display.

Play a slideshow. While viewing a photo, tap ⬆, then tap Slideshow. Select options, then tap Start Slideshow. To stop the slideshow, tap the screen. To set other slideshow options, go to Settings > Photos & Camera.

To stream a slideshow or video to a TV, see AirPlay on page 33.

Organize your photos and videos

Create a new album. Tap Albums, tap ＋, enter a name, then tap Save. Select photos and videos to add to the album, then tap Done.

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

Add items to an existing album. While viewing thumbnails, tap Select, select items, tap Add To, then select the album.

Manage albums. While viewing your album list, 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.

iCloud Photo Sharing

Share streams of photos and videos with people you choose. Friends you've chosen who have an iCloud account—and iOS 6 or later or OS X Mountain Lion or later—can join your stream, view the photos you add, and leave comments. If they have iOS 7, they can add their own photos and videos to the stream. You can also publish your stream to a public website for anyone to view.

Note: iCloud Photo Sharing works over both Wi-Fi and cellular networks. Cellular data charges may apply. See Usage information on page 147.

Turn on iCloud Photo Sharing. Go to Settings > iCloud > Photos.

Create a shared stream. While viewing a photo or video, or when you've selected multiple photos or videos, tap ⬆, tap iCloud, tap Stream, then tap New Shared Stream. You can send an invitation by text or email.

Enable a public website. Select the shared stream, tap People, then turn on Public Website. Tap Share Link to announce the site, if desired.

Add items to a shared stream. View a shared stream, tap ＋, select items, then tap Done. You can add a comment, then tap Post. You can also add items to a shared stream when you're viewing photos or albums. Tap ⬆, tap iCloud, tap Stream, then select the shared stream or create a new one.

Delete photos from a shared stream. Select the photo stream, tap Select, select the photos or videos you want to delete, then tap 🗑. You must be the owner of the stream, or the owner of the photo.

Delete comments from a shared stream. Select the photo or video that contains the comment. Touch and hold the comment, then tap Delete. You must be the owner of the stream, or the owner of the comment.

Rename a photo stream. While viewing Shared Streams, tap Edit, then tap the name and enter a new one.

Add or remove subscribers, or turn Notifications on or off. Select the photo stream, then tap People.

Subscribe to a shared stream. When you receive an invitation, tap the Shared tab (☁), then tap Accept.

Add items to a shared stream you subscribed to. View the shared stream, then tap +, select items, then tap Done. You can add a comment, then tap Post.

My Photo Stream

View the photos you take with iPhone on your other devices, automatically. Turn on My Photo Stream in Settings > Photos & Camera. You can also turn on My Photo Stream in Settings > iCloud > Photos.

Photos you take are automatically added to My Photo Stream when you leave the Camera app and iPhone is connected to the Internet via Wi-Fi. All photos added to your Camera Roll—including screen shots and photos saved from email, for example—appear in My Photo Stream.

Photos added to My Photo Stream on your other devices also appear in My Photo Stream on iPhone. iOS devices can keep up to 1000 of your most recent photos in My Photo Stream; your computers can keep all My Photo Stream photos permanently.

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

Manage My Photo Stream contents. In the My Photo Stream album, tap Select.

- *Save your best shots to an album on iPhone:* Select the photos, then tap Add To.
- *Share, print, copy, or save photos to your Camera Roll album:* Select the photos, then tap ⬆.
- *Delete photos:* Select the photos, then tap 🗑.

Note: Although deleted photos are removed from My Photo Stream on all your devices, the original photos remain in the Camera Roll on the device where they were originally taken. Photos that you save to another album on a device or computer are also not deleted. To delete photos from My Photo Stream, you need iOS 5.1 or later on iPhone and on your other iOS devices. See support.apple.com/kb/HT4486.

Share photos and videos

You can share photos and videos in email, text messages (MMS or iMessage), and tweets, and on Facebook and Flickr. Videos can be shared in email and text messages (MMS or iMessage), and on YouTube, Facebook, and Vimeo. You can also share photos and videos using Photo Sharing, described above.

Tap to share with a nearby friend using AirDrop.
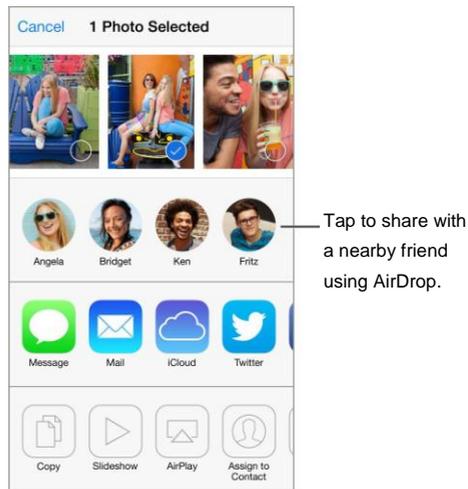
Share or copy a photo or video. View a photo or video, then tap ⬆️. If you don't see ⬆️, tap the screen to show the controls.

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

You can also copy a photo or video, and then paste it into an email or text message (MMS or iMessage).

Share or copy multiple photos and videos. While viewing by moment, tap Share.

Save or share a photo or video you receive.

▹ *Email:* Tap to download it if necessary, then touch and hold the item to see sharing and other options.
▹ *Text message:* Tap the item in the conversation, then tap ⬆️.

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

Edit photos and trim videos
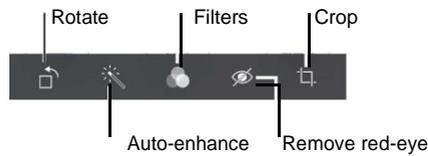
You can edit photos right on iPhone. While viewing a photo full-screen, tap Edit, then tap one of the tools.

☞ Auto-enhance improves a photo's exposure, contrast, saturation, and other qualities.

☞ Photo filters lets you apply different color effects, including black & white.

☞ With the Remove Red-eye tool, tap each eye that needs

☞ correcting. Crop by dragging the corners of the grid.

Drag the photo to reposition it, then tap Crop.

Don't like the results? Tap the tool again to return to the original.

Trim a video. Tap the screen to display the controls, drag either end of the frame viewer, 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.

Set the Slo-Mo section of a video. (iPhone 5s) Use the vertical bars beneath the frame viewer to set the section of the video you want to play in slow motion.

Print photos

Print to an AirPrint-enabled printer.

☞ *Print a single photo:* Tap □, then tap Print.

☞ *Print multiple photos:* While viewing a photo album, tap Select, select the photos, tap □, then tap Print.

See AirPrint on page 34.

Photos settings

Settings for Photos are in Settings > Photos & Camera. These include:

☞ My Photo Stream and Photo Sharing

☞ Slideshow

Camera

12

Camera at a glance

Quick! Get the camera! From the Lock screen, just swipe 📷 up. Or swipe up from the bottom edge of the screen to open Control Center, then tap 📷.

Note: When you open Camera from the Lock screen, you can view (and even edit) photos and videos by tapping the thumbnail at the lower-left corner of the screen. To share photos and videos, first unlock iPhone.
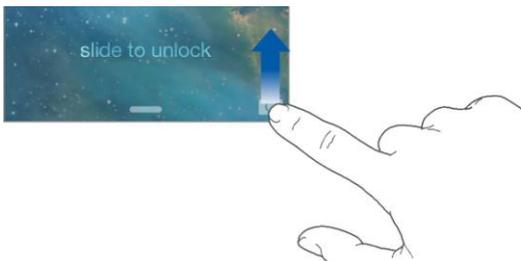
With iPhone, you can take both still photos and HD videos. And, there's two cameras—in addition to the iSight camera on the back, there's a FaceTime camera on the front for FaceTime calls and self-portraits. The LED flash provides extra light when you need it—even as a flashlight, just a swipe away in Control Center. See Control Center on page 29.

Set LED flash mode.

Turn on HDR.

Switch between cameras.

Take a photo.

Filter

View the photos and videos you've taken.
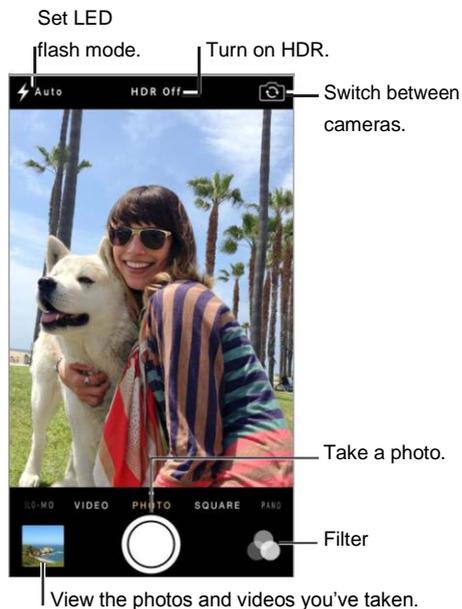
Take photos and videos

Camera offers several photo and video modes, which let you shoot stills, square-format photos, panoramas (iPhone 4S or later), videos, and slow-motion videos (iPhone 5s).

Choose a mode. Drag the screen left or right to choose Slo-Mo, Video, Photo, Square, or Pano. **Take a photo.** Choose Photo, then tap the shutter button or press either volume button.

- *Make it square:* Choose Square.
- *Take rapid-fire shots:* (iPhone 5s) Touch and hold the shutter button to take photos in burst mode. The counter shows how many shots you've taken, until you lift your finger. To see the suggested shots and select the photos you want to keep, tap the thumbnail, then tap "Favorites." The gray dot(s) mark the suggested photos. To copy a photo from the burst as a separate photo in Camera Roll, tap the circle on the lower-right corner. To delete the burst of photos, tap it, then tap 🗑.
- *Apply a filter:* (iPhone 4S or later) Tap 🎨 to apply different color effects, such as black & white. To turn off a filter, tap 🎨, then tap None. You can also apply a filter later, when you edit the photo. See Edit photos and trim videos on page 75.

A rectangle briefly appears where the exposure is set. When you photograph people, face detection (iPhone 4S or later) balances the exposure across up to 10 faces. A rectangle appears for each face detected.

Exposure is automatic, but you can set the exposure manually for the next shot by tapping an object or area on the screen. With an iSight camera, tapping the screen sets the focus as well as the exposure. Face detection is temporarily turned off. To lock the exposure and focus until you tap the screen again, touch and hold until the rectangle pulses.

Take a panorama photo. (iSight camera on iPhone 4S or later) Choose Pano, tap the shutter button, then pan slowly in the direction of the arrow. To pan in the other direction, first tap the arrow. To pan vertically, first rotate iPhone to landscape orientation. You can reverse the direction of a vertical pan, too.

Shoot some video. Choose Video, then tap the Shutter button to start and stop recording.

- *Snap a still while recording:* (iPhone 5 or later) Tap the shutter button in the lower-left corner.

- *Take it slow:* (iPhone 5s) Choose Slo-Mo to shoot video at a high frame rate. You can set which section to play back in slow motion when you edit the video.

Slide to adjust the slow-motion
section of the video.
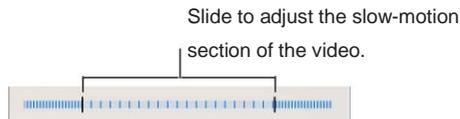
Set the slow-motion section of a video. Tap the thumbnail, then use the vertical bars beneath the frame viewer to set the section you want to play back in slow motion.

Zoom in or out. (iSight camera) Stretch or pinch the image on the screen. For iPhone 4S or later, zoom is available in video mode as well as for still photos.

If Location Services is turned on, photos and videos are tagged with location data that can be used by apps and photo-sharing websites. See Privacy on page 36.

Want to capture what's displayed on your screen? Simultaneously press and release the Sleep/Wake and Home buttons. The screenshot is added to your Camera Roll.

You can edit photos and trim videos, right on iPhone. See Edit photos and trim videos on page 75.

HDR

HDR ("high dynamic range") helps you get great shots, even in high-contrast situations. The best parts of three quick shots, taken at different exposures (long, normal, and short), are blended together into a single photo.

Use HDR. (iSight camera) Tap HDR. The flash is temporarily turned off. For best results, keep both the camera and the subject still.

Keep the normal photo in addition to the HDR version. Go to Settings > Photos and Camera.

HDR versions of photos in your Camera Roll are marked with "HDR" in the corner.

View, share, and print

Photos and videos you take are saved in your Camera Roll. With Photo Stream, new photos also appear in your photo stream on iPhone and your other iOS devices and computers. See My Photo Stream on page 73.

View your Camera Roll. Tap the thumbnail image, then swipe left or right. You can also view your Camera Roll in the Photos app.

Tap the screen to show or hide the controls.

Get sharing and printing options. Tap ⬆. See AirDrop, iCloud, and other ways to share on page 31.

Upload photos and videos to your computer. Connect iPhone to your computer to upload items to iPhoto or another supported application on your Mac or PC. If you delete photos or videos in the process, they're removed from your Camera Roll album.

Sync photos and videos to iPhone from your Mac. Use the Photos settings pane in iTunes. See Sync with iTunes on page 18.

Camera settings

Go to Settings > Photos & Camera for camera options, which include:

- photo streams
- slideshow grid
-

Adjust the volume of the shutter sound with the Ringer and Alerts settings in Settings > Sounds. Or mute the sound using the Ring/Silent switch. (In some countries muting is disabled.)

Weather

13

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 uses Location Services to get the forecast for your current location.
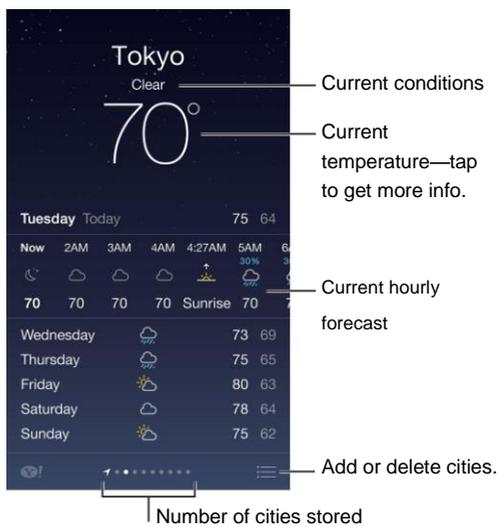
Swipe left or right to see weather for another city, or tap ☰ and choose a city from the list. The leftmost screen shows your local weather.

Add a city or make other changes. Tap ☰.

- *Add a city:* Tap +. Enter a city or zip code, then tap Search.
- *Rearrange the order of cities:* Touch and hold a city, then drag it up or down.
- *Delete a city:* Slide the city to the left, then tap Delete.
- *Choose Fahrenheit or Celsius:* Tap °F or °C.

View the current hourly forecast. Swipe the hourly display left or right.

See all cities at once. Pinch the screen or tap ☰ .

Turn local weather on or off. Go to Settings > Privacy > Location Services. See Privacy on page 36.

Use iCloud to push your list of cities to your other iOS devices. Go to Settings > iCloud > Documents & Data, and make sure Documents & Data is on (it's on by default). See iCloud on page 17.

Clock

14

Clock at a glance

The first clock displays the time based on your location when you set up iPhone. Add other clocks to show the time in other major cities and time zones.

Delete clocks or change their order.

Add a clock.

View clocks, set an alarm, time an event, or set a timer.
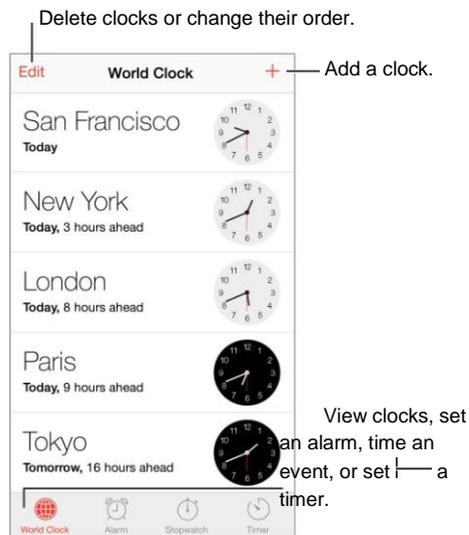
Alarms and timers

Want iPhone to wake you? Tap Alarm, then tap +. Set your wake-up time and other options, then give the alarm a name (like "Soccer practice").

Tap to change options or delete an alarm.

Turn saved

alarms on or off.
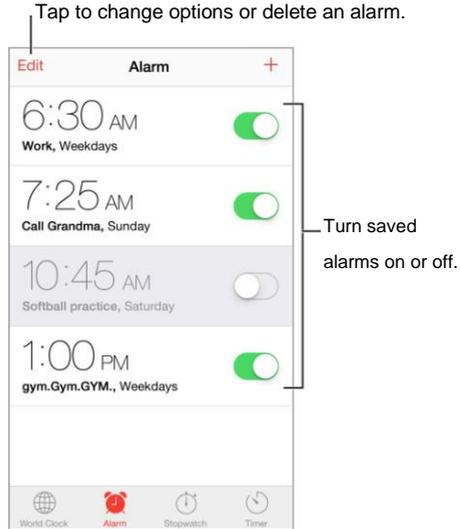
No wasting time! You can also use the stopwatch to keep time, record lap times, or set a timer to alert you when time's up. If you're boiling an egg, just tell Siri to "Set the timer for 3 minutes."

Want to fall asleep to music or a podcast? Tap Timer, then tap When Timer Ends and choose Stop Playing at the bottom.

Get quick access to clock features. Swipe up from the bottom edge of the screen to open Control Center, then tap . You can access alarms in Control Center even when iPhone is locked.

Maps

15

Find places

WARNING: For important information about navigating safely and avoiding distraction while driving, see Important safety information on page 143.

Get directions.   Enter a search.

Get more info.

Tap a pin to display the pop-up banner.

Current location

Quick driving directions

Print, show traffic, report a problem, or choose the view.

Show your current location.

Flyover (3D in standard view)
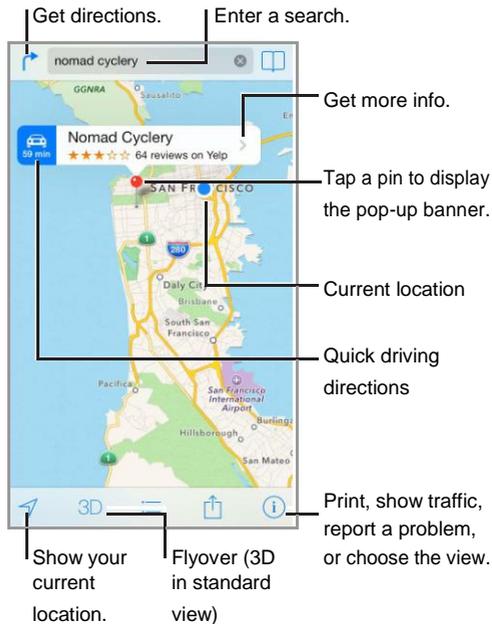
Important: Maps, directions, Flyover, and location-based apps depend on data services. These data services are subject to change and may not be available in all areas, resulting in maps, directions, Flyover, or location-based information that may be unavailable, inaccurate, or incomplete. Some Maps features require Location Services. See Privacy on page 36.

Move around Maps by dragging the screen. To face a different direction, rotate with two fingers. To return to north, tap the compass 🧭 in the upper-right.

Zoom in or out. Double-tap with one finger to zoom in and tap with two fingers to zoom out— or just pinch and stretch. The scale appears in the upper-left while zooming. To change how distance is shown (miles or kilometers), go to Settings > Maps.

You can search for a location in lots of different ways:

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

Or if Maps guesses where you're headed while you're entering a search, tap that location in the list below the search field.

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

Choose your view. Tap 􀅴, then choose Standard, Hybrid, or Satellite.

Manually mark a location. Touch and hold the map until the dropped pin appears.

Get more info

Get info about a location. Tap a pin to display its banner, then tap 􀯻. Info might include Yelp reviews and photos, a phone number (tap to call it), a web page link, directions, and more.

Tap Share to share the location. See AirDrop, iCloud, and other ways to share on page 31.

Get 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, if 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.

  With turn-by-turn directions, night mode automatically adjusts the iPhone screen image for easier viewing at night.

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

Get directions from your current location. Tap 􀙋 on the banner of your destination. If you're a walker, set your directions preference to Walking in Settings > Maps.

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

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

Find out about traffic conditions. Tap ⓘ, then tap Show Traffic. Orange dots show slowdowns, and red dots show stop-and-go traffic. To see an incident report, tap a marker.

Report a problem. Tap ⓘ, then tap Report a Problem.

3D and Flyover

On iPhone 4S or later, you can see three-dimensional views and even fly over many of the world's major cities. Zoom in until 3D or 🏢 appears, then tap the button. Or drag two fingers up. You can switch between 3D and Flyover by tapping ⓘ and changing views.

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

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Maps settings

Go to Settings > Map. Settings include:

☞ Navigation voice volume (iPhone 4S or

☞ later) Distances in mile or kilometers

☞ Map labels always appear in the language specified in Settings > General > International > Language

☞ Preferred directions by driving or walking