

PRELIMINARY DRAFT — APPLE CONFIDENTIAL



# iPhone

## User Guide

For iOS 5.0 Software

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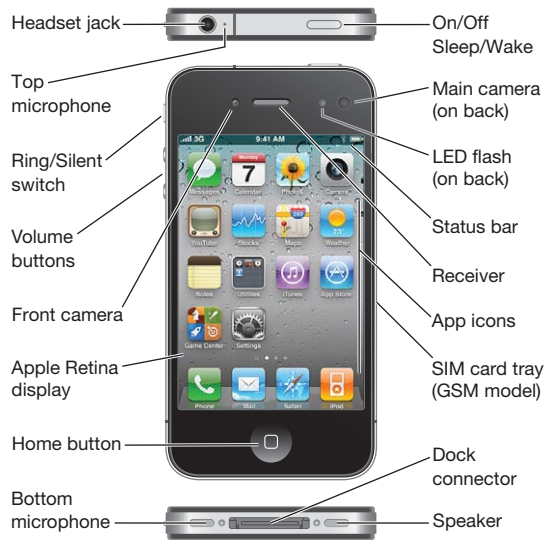
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# iPhone at a Glance

# 1

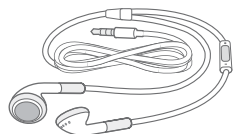
## iPhone Overview



Your iPhone and the Home screen may look different, depending on the model of iPhone you have and whether you've customized your Home screen.

## Accessories

The following accessories are included with iPhone:



Apple Earphones with Remote and Mic



Dock Connector to USB Cable



USB power adapter



SIM eject tool

**Note:** The SIM eject tool is not included in all countries or regions.

Item	What you can do with it
Apple Earphones with Remote and Mic	Listen to music, videos, and phone calls. Use the built-in microphone to talk. Press the center button to answer or end a call. When listening to iPod, press the button to play or pause a song, or press twice quickly to skip to the next track. Use the + and – buttons to adjust the volume. Press and hold the center button to use Voice Control.
Dock Connector to USB Cable	Use this cable to connect iPhone to your computer to sync and charge. The cable can be used with the optional dock or plugged directly into iPhone.
USB power adapter	Connect the power adapter to iPhone using the included cable, then plug it into a standard power outlet to charge iPhone.
SIM eject tool (not included in all countries or regions)	Eject the SIM card tray.

## Buttons

### On/Off Sleep/Wake Button

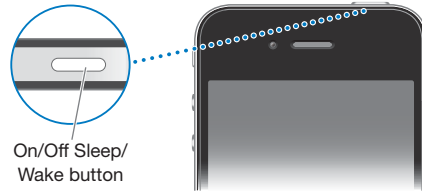
When you're not actively using iPhone, you can lock it to turn off the display and save the battery.


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

- listen to music

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- adjust the volume using the buttons on the side of iPhone (or on the iPhone earphones) while you're on a phone call or listening to music
- use the center button on iPhone earphones to answer or end a call, or to control audio playback (see "Controlling Audio Playback" on page 90)



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

By default, if you don't touch the screen for a minute, iPhone locks automatically. To turn auto-lock off, or to change how long before iPhone locks, see "Auto-Lock" on page 164. To require a passcode to unlock iPhone, see "Passcode Lock" on page 164.

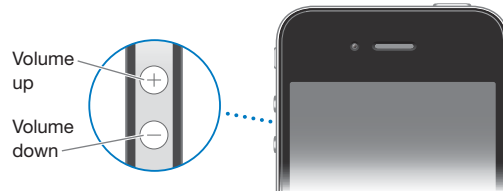
### Home Button

Press the Home  button at any time to go to the Home screen, which contains your iPhone apps. Tap any app icon to get started. To see apps you've recently used, double-click the Home button. See "Opening and Switching Apps" on page 26.

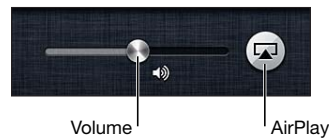
### Volume Buttons

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

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



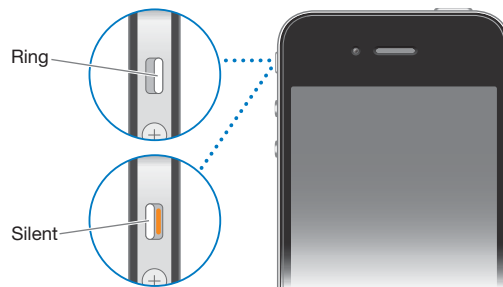
You can also adjust the volume using the onscreen slider control. To reveal the control, double-click the Home button, then flick the bottom of the screen left-to-right twice.



To set a volume limit for music and videos on iPhone, see “UNRESOLVABLE CROSS-REFERENCE” on page ###.

### 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 iPod, and many games still play sounds through the built-in speaker when iPhone is in silent mode.














By default, when you get a call, iPhone vibrates whether it's in ring mode or silent mode. If iPhone is in ring mode, you can silence a call by pressing the On/Off Sleep/Wake button or one of the volume buttons. Press a second time to send the call to voicemail.

For information about changing sound and vibrate settings, see “Sounds and the Ring/Silent Switch” on page 159.

## Status Icons

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

Status icon		What it means
	Cell signal*	Shows whether you're in range of the cellular network and can make and receive calls. The more bars, the stronger the signal. If there's no signal, the bars are replaced with “No service.”
	Airplane mode	Shows that airplane mode is on—you cannot use the phone, access the Internet, or use Bluetooth® devices. Non-wireless features are available. See “Airplane Mode” on page 155.
<b>3G</b>	UMTS/EV-DO	Shows that your carrier's 3G UMTS (GSM) or EV-DO (CDMA) network is available, and iPhone can connect to the Internet over that network. See “How iPhone Connects to the Internet” on page 20.
<b>E</b>	EDGE	Shows that your carrier's EDGE network is available (GSM models), and iPhone can connect to the Internet over that network. See “How iPhone Connects to the Internet” on page 20.
<b>o</b>	GPRS/1xRTT	Shows that your carrier's GPRS (GSM) or 1xRTT (CDMA) network is available, and iPhone can connect to the Internet over that network. See “How iPhone Connects to the Internet” on page 20.
	Wi-Fi*	Shows that iPhone is connected to the Internet over a Wi-Fi network. The more bars, the stronger the connection. See “Joining a Wi-Fi Network” on page 20.

Status icon	What it means
	Syncing Shows that iPhone is syncing content <<WITH ITUNES? ICLOUD?>>.
	Personal Hotspot Shows that iPhone is connected to another iPhone providing a Personal Hotspot (GSM models). See “Personal Hotspot” on page 22.
	Network activity Shows over-the-air syncing or other network activity. Some third-party apps may also use the icon to show an active process.
	Call Forwarding Shows that Call Forwarding is set up on iPhone (GSM models). See “Call Forwarding” on page 69.
	VPN Shows that you’re connected to a network using VPN. See “Network” on page 162.
	Lock Shows that iPhone is locked. See “On/Off Sleep/Wake Button” on page 12.
	TTY Shows that iPhone is set to work with a TTY machine. See “TTY Support (Available in Some Areas)” on page 216.
	Play Shows that a song, audiobook, or podcast is playing. See “Playing Songs and Other Audio” on page 90.
	Portrait orientation lock Shows that the iPhone screen is locked in portrait orientation. See “Viewing in Portrait or Landscape Orientation” on page 29.
	Alarm Shows that an alarm is set. See “Alarms” on page 135.
	Location services Shows that an app is using location services. See “Location Services” on page 157.
	Bluetooth* <i>Blue or white icon:</i> Bluetooth is on and a device, such as a headset or car kit, is connected. <i>Gray icon:</i> Bluetooth is on, but no device is connected. <i>No icon:</i> Bluetooth is turned off. See “Bluetooth Devices” on page 46.
	Battery Shows battery level or charging status. See “Battery” on page 47.



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\* The use of certain accessories with iPhone may affect wireless performance.

# Getting Started

# 2




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

## Viewing the User Guide on iPhone

The *iPhone User Guide* can be viewed on iPhone in Safari, and in the free iBooks app.

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

To add an icon for the guide to the Home screen, tap , then tap “Add to Home Screen.” To view it in a different language, tap “Change Language” on the main contents page.

**View the user guide in iBooks:**

- 1 If you haven't installed iBooks, open App Store, search for and install “iBooks.”
- 2 Open iBooks and tap Store.
- 3 Search for “iPhone User,” then select and download the user guide.

For more information about iBooks, see Chapter 31, “iBooks,” on page 190.

## What You Need

To use iPhone, you need:

- A wireless service plan with a carrier that provides iPhone service in your area
- A Mac or a PC with a USB 2.0 port and one of the following operating systems:
  - Mac OS X v10.5.8 or later
  - Windows 7, Windows Vista, or Windows XP Home or Professional (SP3)
- Screen resolution on your computer set to 1024 x 768 or higher
- iTunes 10.1.2 or later, available at [www.itunes.com/download](http://www.itunes.com/download)
- QuickTime 7.6.2 or later (for playing videos recorded with iPhone, on your computer)

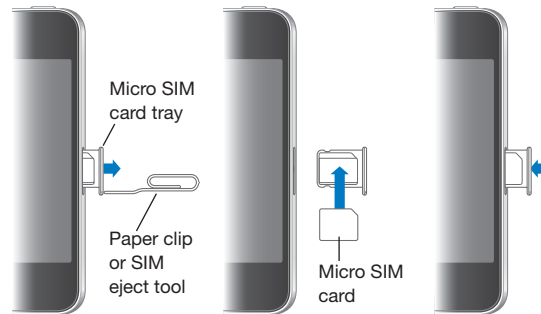
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- An Apple ID (such as an iTunes Store account) for App Store, iTunes, and other online purchases
- An Internet connection for your computer (broadband is recommended)

## Installing the SIM Card

If your SIM card wasn't preinstalled, you must install it before you can use iPhone.

### Installing the SIM Card in



#### Install the SIM card:

- 1 Insert the end of a paper clip or SIM eject tool into the hole on the SIM card tray. Push firmly, straight in until the tray pops out.
- 2 Pull out the SIM card tray and place the SIM card in the tray as shown.
- 3 With the tray aligned and the SIM card on top, carefully replace the tray.

## Setup and Activation

To set up and activate iPhone, turn on iPhone and follow the Setup Assistant. If you don't have a SIM card installed, iPhone must be connected to a Wi-Fi network or to your computer with iTunes open to complete activation. In locations where you have a choice of carriers, the SIM card must be installed to complete the initial activation.

During setup, you can copy your apps, settings, and content from another iPhone by restoring from an iCloud Backup or from iTunes—options on the Set Up iPhone screen.

## Connecting iPhone to Your Computer

Use the included Dock Connector to USB Cable to connect iPhone to your computer. Connecting iPhone to your computer allows you to sync information, music, and other content with iTunes. You can also sync with iTunes wirelessly. See Chapter 4, "iCloud, Syncing, and File Sharing," on page 51.




You can disconnect iPhone from your computer at any time, including to answer a phone call. If you disconnect iPhone while a sync is in progress, some data may not get synced until the next time you connect iPhone to your computer.

## Connecting to the Internet

### How iPhone Connects to the Internet

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


- Connects over the most recently used available Wi-Fi  network.
- Shows a list of Wi-Fi networks in range, and connects using the one you choose.
- Connects over the cellular data network.

If a Wi-Fi or cellular data network isn't available, iPhone can't connect to the Internet. Check with your carrier for cellular data access in your area.

### Joining a Wi-Fi Network

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

#### Turn on Wi-Fi and join a network:

- 1 In Settings, tap Wi-Fi, then tap to turn on Wi-Fi.
- 2 Select one of the available networks.
- 3 If necessary, enter a password and tap Join (networks that require a password appear with a lock  icon).

When connected, the Wi-Fi  icon appears in the status bar.

Once you join a Wi-Fi network, iPhone automatically connects to it whenever the network is in range. If more than one previously used network is in range, iPhone joins the one last used.

For information about configuring Wi-Fi settings, see “Wi-Fi” on page 156.

### Voice and Data Access on the Cellular Network

If iPhone is connected to the Internet via the cellular data network, the **3G** (UMTS/EV-DO), **E** (EDGE), or **o** (GPRS/1xRTT) icon appears in the status bar.

The 3G (UMTS) cellular network supports simultaneous voice and data communications on GSM models. For all other cellular connections, you can't use Internet services while you're talking on the phone unless iPhone also has a Wi-Fi connection to the Internet. Depending on your model of iPhone and the network connection, you may not be able to receive calls while iPhone transfers data over the cellular network—when downloading a webpage, for example.

*GSM:* On an EDGE or GPRS connection, incoming calls may go directly to voicemail during data transfers. For incoming calls that you answer, data transfers are paused.

*CDMA:* On EV-DO connections, data transfers are paused when you answer incoming calls. On 1xRTT connections, incoming calls may go directly to voicemail during data transfers. For incoming calls that you answer, data transfers are paused.

Data transfer resumes when you end the call.

**Turn 3G on (GSM models):** In Settings, choose General > Network and tap Enable 3G.

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

**Turn Data Roaming on:** In Settings, choose General > Network and turn Data Roaming on.

**Important:** Roaming charges may apply. To avoid data roaming charges, make sure data roaming is turned off.

For more information about setting cellular data network options, see “Network” on page 162.

### Internet Access on an Airplane

Airplane mode turns off the iPhone cellular, Wi-Fi, Bluetooth, and GPS transmitters and receivers to avoid interfering with aircraft operation. Airplane mode disables many of the iPhone features. In some countries or regions, where allowed by the aircraft operator and applicable laws and regulations, you can turn on Wi-Fi while airplane mode is on, to use apps that require an Internet connection.

You may also be allowed to turn on Bluetooth to use Bluetooth devices with iPhone.

For more information, see “Airplane Mode” on page 155.

## VPN Access

VPN (virtual private network) provides secure access over the Internet to private networks, such as the network at your company or school. Use Network settings to configure and turn on VPN. See “Network” on page 162.

## Personal Hotspot

You can use Personal Hotspot (iPhone 4 or later) to share an Internet connection with a computer or another Wi-Fi device—such as an iPod, iPad, or other iPhone—connected to your iPhone via Wi-Fi. You can also use Personal Hotspot to share an Internet connection with a computer that’s connected to your iPhone via Bluetooth or USB.

**Note:** This feature may not be available in all countries or regions. Additional fees may apply. Contact your carrier for more information, including the number of devices that can share an Internet connection at the same time.


If the Set Up Personal Hotspot button appears in your General > Network settings, you first need to set up the service with your carrier. You can contact your carrier by tapping that button.

Personal Hotspot works only if iPhone is connected to the Internet over the cellular data network.

### Share an Internet connection:

- 1 In Settings, choose Personal Hotspot (or choose General > Network > Personal Hotspot, if Personal Hotspot doesn’t appear at the top level of Settings).
- 2 Turn on Personal Hotspot.
- 3 Connect a computer or other device to iPhone:
  - *Wi-Fi:* On the device, choose iPhone from the list of available Wi-Fi networks. Enter the Wi-Fi password for iPhone when prompted.
  - *USB:* Connect your computer to iPhone using the Dock Connector to USB Cable. In your computer’s Network preferences, choose iPhone.  
On a Mac, a pop-up window appears the first time you connect, saying “A new network interface has been detected.” Click Network Preferences, configure the network settings for iPhone, then click Apply. On a PC, use the Network Control Panel to configure the iPhone connection.
  - *Bluetooth:* On iPhone, choose Settings > General > Bluetooth and turn on Bluetooth. Then refer to the documentation that came with your computer to pair and connect iPhone with your device.

When a device is connected, a blue band appears at the top of the iPhone screen. Personal Hotspot remains on when you connect with USB, even when you aren’t actively using the Internet connection.

**Note:** The Personal Hotspot  icon appears in the status bar of an iPhone (GSM models) using the Personal Hotspot of another iPhone.

**Change the Wi-Fi password for iPhone:** In Settings, choose Personal Hotspot > Wi-Fi Password, then enter a password of at least 8 characters.

Changing the password disconnects any devices that are sharing the Internet connection.

**Monitor your cellular data network usage:** In Settings, choose General > Usage.

## Adding Mail, Contacts, and Calendar Accounts

### About Accounts

iPhone works with MobileMe, Microsoft Exchange, and many of the most popular Internet-based email, contacts, and calendar service providers. If you don't already have an email account, you can get a free account online at [www.yahoo.com](http://www.yahoo.com), [www.google.com](http://www.google.com), or [www.aol.com](http://www.aol.com). You can also try MobileMe, free for 60 days, at [www.me.com](http://www.me.com).

You can add contacts using an LDAP or CardDAV account if your company or organization supports it. See “Syncing Contacts” on page 176.

You can add a CalDAV calendar account. See “Syncing calendars” on page 106.

You can subscribe to iCal (.ics) calendars or import them from Mail. See “Subscribing to calendars” and “Importing calendar events from Mail” on page 106.

### Setting Up MobileMe Accounts

A MobileMe Free Account is available to any customer with an iPhone 4 or later, running iOS 4.2 or later.

#### Set up a MobileMe Free Account:

- 1 In Settings, tap “Mail, Contacts, Calendars.”
- 2 Tap Add Account, then tap MobileMe.
- 3 Enter your Apple ID and password, or tap Create Free Apple ID.
- 4 Follow the onscreen instructions.  
Verify your email address, if required.
- 5 For your security, make sure Find My iPhone is turned on.

Only one MobileMe account at a time can be used for Find My iPhone and for syncing contacts, calendars, bookmarks, and notes. See “Security Features” on page 49.

To use Gallery, iDisk, and Find My iPhone on iPhone, download the free MobileMe Gallery, MobileMe iDisk, and Find My iPhone apps from the App Store.

## Setting Up Microsoft Exchange Accounts

To use Microsoft Exchange on iPhone, you need to add an account with your Microsoft Exchange account settings. See your service provider or system administrator for those settings.

iPhone uses the Exchange ActiveSync protocol to sync email, calendars, and contacts over the air with the following versions of Microsoft Exchange:

- Exchange Server 2003 Service Pack 2
- Exchange Server 2007 Service Pack 1
- Exchange Server 2010

When setting up the account, you can choose which Exchange services you want to use with iPhone:

- Mail
- Contacts
- Calendars

Services you turn on are synced automatically over the air without having to connect iPhone to your computer. See “[UNRESOLVABLE CROSS-REFERENCE](#)” on page ###.

You can set up multiple Exchange accounts.

### Set up an Exchange account:

- 1 In Settings, tap “Mail, Contacts, Calendars.”
- 2 Tap Add Account, then tap Microsoft Exchange.
- 3 Enter your complete email address, domain (optional), user name, password, and a description. The description can be whatever you like.

iPhone supports Microsoft’s Autodiscovery service, which uses your user name and password to determine the address of the Exchange server. If the server’s address can’t be determined, you’re asked to enter it. (Enter the complete address in the Server field.) Once you connect to the Exchange server, you may be prompted to change your passcode to match the policies set on the server.

- 4 Tap the items you want to use on iPhone (mail, contacts, and calendars) and set how many days of email you want to sync to iPhone.

## Setting Up Google, Yahoo!, and AOL Accounts

For many popular accounts (Google, Yahoo!, AOL), iPhone enters most of the settings for you. When setting up the account, you can choose which account services you want to use with iPhone. Services you turn on are synced automatically over the air without having to connect iPhone to your computer. See “[UNRESOLVABLE CROSS-REFERENCE](#)” on page ###.



**Set up an account:**

- 1 In Settings, tap “Mail, Contacts, Calendars.”
- 2 Tap Add Account, then tap Google, Yahoo!, or AOL.
- 3 Enter your name, complete email address, password, and a description. The description can be whatever you like.
- 4 Tap the items you want to use on iPhone. Available items depend upon the service provider.

**Setting Up Other Accounts**

Choose Other Accounts to set up other accounts for mail (such as POP), contacts (such as LDAP or CardDAV), or calendars (such as CalDAV). Contact your service provider or system administrator to get the account settings you need.

**Set up an account:**

- 1 In Settings, tap “Mail, Contacts, Calendars.”
- 2 Tap Add Account, then tap Other.
- 3 Choose the account type you want to add (Mail, Contacts, or Calendars).
- 4 Enter your account information and tap Save.

## Basics


### Using Apps

The high-resolution Multi-Touch screen and simple finger gestures make it easy to use iPhone apps.

### Opening and Switching Apps


You open an app on iPhone by tapping its icon on the Home screen.



To return to the Home screen, press the Home  button below the display.




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Double-click the Home  button to view your most recently used apps, which appear at the bottom of the screen. Tap an app to open it, or flick to see more apps.



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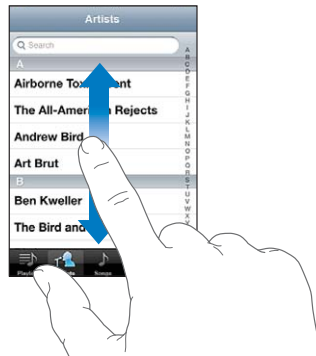
Remove an app from the recents list

Touch and hold the app icon until it begins to jiggle, then tap . Removing an app from the recents list also forces it to quit.

---

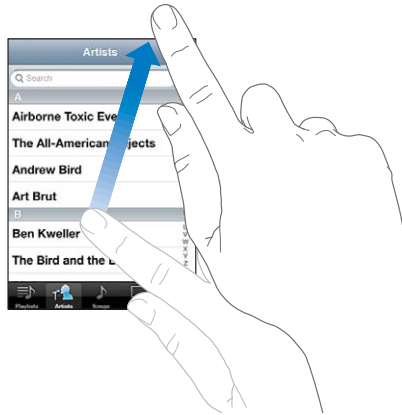
### Scrolling

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



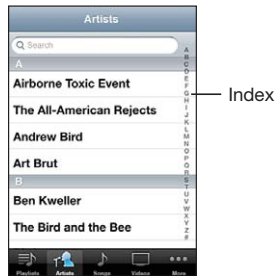
Dragging your finger to scroll won't choose or activate anything on the screen.

Flick to scroll quickly.



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

To quickly scroll to the top of a list, webpage, or email, just tap the status bar at the top of the screen.



Tap an item in a list to choose it. Depending on the list, tapping an item can do different things—for example, it may open a new list, play a song, open an email, or show someone's contact information so you can call that person.

## Zooming In or Out

When viewing photos, webpages, email, or maps, you can zoom in and out. Pinch your fingers together or apart. For photos and webpages, you can double-tap (tap twice quickly) to zoom in, then double-tap again to zoom out. For maps, double-tap to zoom in and tap once with two fingers to zoom out.



Zoom is also an accessibility feature that lets you magnify the screen with any app you're using, to help you see what's on the display. See "Zoom" on page 211.

## Viewing in Portrait or Landscape Orientation



Many iPhone apps let you view the screen in either portrait or landscape orientation. Rotate iPhone and the display rotates too, adjusting automatically to fit the new screen orientation.




You may prefer landscape orientation for viewing webpages in Safari, or when entering text, for example. In landscape orientation:

- Webpages scale to the wider screen, making the text and images larger.
- The onscreen keyboard is larger, which may help increase your typing speed and accuracy.

Movies viewed in Videos and YouTube appear only in landscape orientation. Street views in Maps also appear only in landscape orientation.

**Lock the screen in portrait orientation:** Double-click the Home  button, flick the bottom of the screen from left to right, then tap .




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

## Customizing the Home Screen

### Rearranging Icons

You can customize the layout of icons on the Home screen—including the Dock icons along the bottom of the screen. If you want, arrange them over multiple Home screens. You can also organize apps by collecting them in folders.

#### Rearrange icons:

- 1 Touch and hold any icon on the Home screen until it begins to jiggle.
- 2 Arrange the icons by dragging them.
- 3 Press the Home  button to save your arrangement.



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#### Move an icon to another screen

While arranging icons, drag an icon to the side of the screen.

---

#### Create additional Home screens

While arranging icons, flick to the rightmost Home screen, then drag an icon to the right edge of the screen.

You can create up to 11.

---

#### Reset your Home screen to the default layout

In Settings, choose General > Reset, then tap Reset Home Screen Layout.

Resetting the Home screen removes any folders you've created and applies the default wallpaper to your Home screen.

---

You can add icons on the Home screen to open your favorite webpages. See “Web Clips” on page 88.

When iPhone is connected to your computer, you can customize your Home screens using iTunes. In iTunes, select iPhone in the Devices list, then click Apps at the top of the screen.

### Organizing with Folders

Folders let you organize icons on the Home screen. You can put up to 12 icons in a folder. iPhone automatically names a folder when you create it, based on the icons you use to create the folder, but you can change the name anytime you want. Like icons, folders can be rearranged by dragging them around the Home screen. You can move folders to a new Home screen or to the Dock.

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



iPhone creates a new folder that includes the two icons, and shows the folder’s name. You can tap the name field and enter a different name.



You can also create folders within iTunes.

**Create a folder using iTunes:** With iPhone connected to your computer, select iPhone in the Devices list in iTunes. Click Apps at the top of the screen, and on the Home screen near the top of the window, drag an app on top of another.

<b>Add an icon to a folder</b>	While arranging icons, drag the icon onto the folder.
<b>Remove an icon from a folder</b>	While arranging icons, tap to open the folder, then drag the icon out of the folder.
<b>Open a folder</b>	Tap the folder. You can then tap an app icon to open that app.
<b>Close a folder</b>	Tap outside the folder, or press the Home button.
<b>Delete a folder</b>	Move all icons out of the folder. The folder is deleted automatically when empty.
<b>Rename a folder</b>	While arranging icons, tap to open the folder, then tap the name at the top and use the keyboard to enter a new name. Press the Home button to save your changes.

When you finish organizing your Home screen, press the Home button to save your changes.

Many apps, such as Phone, Messages, Mail, and the App Store, display an alert badge on their Home screen icon with a number (to indicate incoming items) or an exclamation mark (to indicate a problem). If these apps are contained in a folder, the badge appears on the folder. A badge with a number shows the total number of items you haven't attended to, such as incoming phone calls, email messages, text messages, and updated apps to download. A badge with an exclamation mark indicates a problem with an app.



## Adding Wallpaper

You can set an image or photo as wallpaper for the Lock screen. You can also set wallpaper for your Home screen. You can choose an image that came with iPhone, a photo from your Camera Roll, or a photo synced to iPhone from your computer.

The Lock screen wallpaper also appears when you're on a call with someone you don't have a contact photo for.

### Set wallpaper:

- 1 In Settings, choose Wallpaper, tap the image of the Lock and Home screens, then tap Wallpaper or an album.
- 2 Tap to choose an image or photo. If you choose a photo, drag to position it and pinch to zoom in or out, until it looks the way you want.



- 3 Tap Set, then choose whether you want to use the photo as wallpaper for your Lock Screen, Home screen, or both.

## Typing

The onscreen keyboard appears anytime you need to type.

### Entering Text

Use the keyboard to enter text, such as contact information, email, text messages, and web addresses. The keyboard corrects misspellings, predicts what you're typing, and learns as you use it.

Depending on the app you're using, the intelligent keyboard may suggest corrections as you type, to help prevent mistyped words.

#### Enter text:






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

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

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



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Delete the previous character	Tap  .
Type uppercase	Tap the Shift  key before tapping a letter. Or touch and hold the Shift key, then slide to a letter.
Quickly type a period and space	Double-tap the space bar. (You can turn this feature on or off in Settings > General > Keyboard.)
Turn caps lock on	Double-tap the Shift  key. Tap the Shift key again to turn caps lock off. (You can turn this feature on or off in Settings > General > Keyboard.)
Show numbers, punctuation, or symbols	Tap the Number  key. Tap the Symbol  key to see additional punctuation and symbols.
Type letters or symbols that aren't on the keyboard	Touch and hold the related letter or symbol, then slide to choose a variation.

Alternatively, use Siri to dictate your text ( only). Tap on the onscreen keyboard, then speak. Tap Done when you finish. See “Siri” on page 40.

### Dictionary

For many languages, iPhone has dictionaries to help you type. The appropriate dictionary is activated when you select a supported keyboard.

For a list of supported languages, see [www.apple.com/iphone/specs.html](http://www.apple.com/iphone/specs.html).

iPhone uses the active dictionary to suggest corrections or complete the word you're typing. You don't need to interrupt your typing to accept the suggested word.



**Accept or reject dictionary suggestions:**

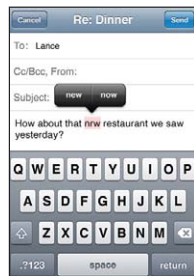
- *To reject the suggested word*, finish typing the word as you want it, then tap the “x” to dismiss the suggestion before typing anything else. Each time you reject a suggestion for the same word, iPhone becomes more likely to accept your word.

**Note:** If you’re entering Chinese or Japanese, tap one of the suggested alternatives.

- *To use the suggested word*, type a space, punctuation mark, or return character.

iPhone also underlines words you’ve already typed that might be misspelled.

**Use spell checking to replace a misspelled word:** Tap the underlined word, then tap one of the suggested corrections.



If none of the suggestions is correct, you can correct the spelling of the selected word by retyping it. To leave the word unchanged, tap somewhere else in the message area.

**Turn auto-correction on or off:** Choose General > Keyboard, then turn Auto-Correction on or off. Auto-Correction is on by default.

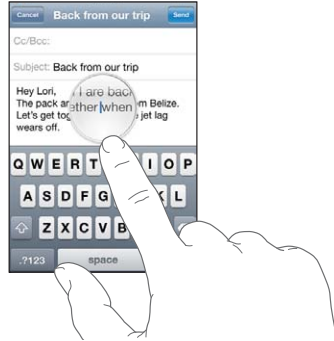
**Turn spell checking on or off:** Choose General > Keyboard, then turn Check Spelling on or off. Spell checking is on by default.

## Cut, Copy, and Paste

The touchscreen makes it easy to make changes to text you’ve entered. An onscreen magnifying glass helps you position the insertion point precisely where you need it. Grab points on selected text let you quickly select more or less text. You can also cut, copy, and paste text and photos within apps, or across multiple apps.

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



**Select text:** Tap the insertion point to display the selection buttons.



Tap Select to select the adjacent word or tap Select All to select all text. You can also double-tap to select a word. In read-only documents, such as webpages, or email or text messages you've received, touch and hold to select a word.

Drag the grab points to select more or less text.

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



**Paste text:** Tap the insertion point and tap Paste. The last text that you cut or copied is inserted. Or select text and tap Paste to replace the text.

**Undo the last edit:** Shake iPhone and tap Undo.

## Bold, Italics, and Underline

Para

## Keyboard Layouts

You can use Settings to set the keyboard layouts for software and hardware keyboards. The available layouts depend on the keyboard language.

**Select a keyboard layout:** In Settings, choose General > Keyboard > International Keyboards, then select a keyboard. For each language, you can make separate selections for both the onscreen software and any external hardware keyboards.

The software keyboard layout determines the layout of the keyboard on the iPhone screen. The hardware keyboard layout determines the layout of an Apple Wireless Keyboard connected to iPhone.

## Using an Apple Wireless Keyboard

For ease of typing, you can use an Apple Wireless Keyboard (available separately).


The Apple Wireless Keyboard connects via Bluetooth, so you must pair the keyboard with iPhone. See “Pairing a Bluetooth Device with iPhone” on page 46.

Once the keyboard is paired with iPhone, it connects whenever the keyboard is within range (up to 30 feet). You can tell that the keyboard is connected if the onscreen keyboard doesn’t appear when you tap in a text field.

**Switch the language when using a hardware keyboard:** Press and hold the Command key, then tap the space bar to display a list of available languages. Tap the space bar again to choose a different language.

**Disconnect a wireless keyboard from iPhone:** Press and hold the power button on the keyboard until the green light goes off.

iPhone disconnects the keyboard when it’s out of range.

**Unpair a wireless keyboard from iPhone:** In Settings, choose General > Bluetooth, tap  next to the device name, then tap “Forget this Device.”

You can apply different layouts to a wireless keyboard. See Appendix A, “International Keyboards,” on page 218 and “Keyboard Layouts” on page 36.

## Printing

### AirPrint

AirPrint lets you print wirelessly to AirPrint-enabled printers. You can print from these iOS apps:

- Mail—email messages and attachments that can be viewed in Quick Look
- Photos—photos
- Safari—webpages, PDFs, and other attachments that can be viewed in Quick Look
- iBooks—PDFs

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

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An AirPrint-enabled printer doesn't need setup—just connect it to the same Wi-Fi network as iPhone. (If you're not sure whether your printer is AirPrint-enabled, refer to its documentation.)

For more information, go to [support.apple.com/kb/HT4356](https://support.apple.com/kb/HT4356).

### Printing a Document

AirPrint uses your Wi-Fi network to send print jobs wirelessly to your printer. iPhone must be connected to the same wireless network as the AirPrint printer.

#### Print a document:


- 1 Tap  or  (depending on the app you're using), then tap Print.
- 2 Tap Select Printer to select a printer.
- 3 Set printer options such as number of copies and double-sided output (if the printer supports it). Some apps also let you set a range of pages to print.
- 4 Tap Print.

**See the status of a print job:** Double-click the Home  button, then tap Print Center.



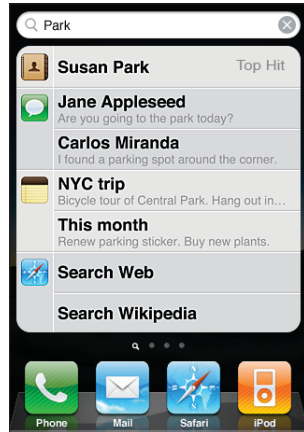
The Print Center app appears as the most recent app when a document is printing. A badge on the app icon shows how many documents are queued for printing.


If you're printing more than one document, select a print job to see its status summary.


**Cancel a print job:** Double-click the Home  button, tap Print Center, select the print job (if you're printing more than one document), then tap Cancel Printing.

## Searching

You can search many apps on iPhone, including Mail, Calendar, iPod, Notes, Messages, and Contacts. You can search an individual app, or search all apps at once using Search.



**Go to Search:** On the main Home screen, flick left to right or press the Home  button.

From the Search screen, press the Home  button to return to the main Home screen page.

**Search iPhone:** On the Search screen, enter text in the Search field. Search results appear as you type. Tap an item in the list to open it. Tap Search to dismiss the keyboard and see more results.

Icons next to the search results show which app the results are from.

iPhone may display a top hit for you at the top of the list, based on your previous searches. The Safari search results include options to search the web or to search Wikipedia.

App	What's searched
Contacts	First, last, and company names
Mail	To, From, and Subject fields of all accounts (the text of messages isn't searched)
Calendar	Event titles, invitees, locations, and notes
iPod	Music (names of songs, artists, and albums) and the titles of podcasts, videos, and audiobooks
Messages	Names and text of messages
Notes	Text of notes

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Search also searches the names of the native and installed apps on iPhone, so if you have a lot of apps, you may want to use Search to locate and open apps.

**Open apps from Search:** Enter the app name, then tap to open the app directly from the search results.

Use the Spotlight Search setting to specify which contents are searched and the order the results are presented in. See “Spotlight Search” on page 164.

## Siri

Siri (not available in all areas) lets you use iPhone by speaking to it. You can ask Siri to make a call, respond to text messages, get directions, schedule reminders and meetings, and more.

For example:

- Say “what was that last song?” to learn the name and artist of the last song played
- Say “call mom” to call your mother (if you’ve included your mother’s name in your own contact info)
- Say “reply I’ll be there” to send a reply to the email you’re reading
- Say “what’s the weather?” to get the current local weather, then say “what about this weekend” to get the local weather for the weekend


Siri can help with the following apps:

- Phone—make a phone or FaceTime call
- Music—control music playback
- Mail—send and search email
- Messages—read and send text messages
- Calendar—create and view events
- Reminders—create, search, and update reminders
- Clock—get the date and time for major cities, set alarms, and start the timer
- Notes—create, search, or add to notes
- Contacts—look up contacts
- Maps—find locations, get directions, and contact businesses
- Find My Friends—locate friends
- Stocks—get stock info
- Safari—search the web

For more examples, say “what can you do.” <<IS THERE GOING TO BE A WEBPAGE WITH MORE INFO ABOUT THIS FEATURES?>>.



**Use Siri:**

- 1 With the screen on (locked or unlocked), hold iPhone to your ear.  
You can also press and hold Home  button or, you're using a headset, press and hold the center button.
- 2 After the tone, ask a question or tell Siri what to do.

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**Make another request**

Tap


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**Cancel a request**

Say "cancel," or tap

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**Dictate text**

Tap  on the onscreen keyboard, speak the text, then tap Done. Tap Start to dictate more text.

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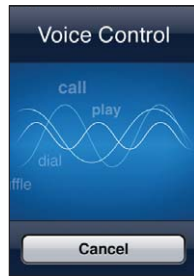
To set options, go to Settings > General > Siri. You can:


- Turn Siri on or off
- Set the language
- Set when you want voice feedback
- Choose your contact card for personal info
- Turn "raise to speak" on or off

## Voice Control

Voice Control (iPhone 3GS and iPhone 4) lets you make phone calls and control iPod music playback using voice commands.

**Note:** Voice Control may not be available in all languages.



**Use Voice Control:** Press and hold the Home  button until the Voice Control screen appears and you hear a beep. You can also press and hold the center button on the iPhone earphones.

Use the following commands to make calls or play songs.

For best results:

- Speak into the iPhone microphone as if you were making a phone call. You can also use the microphone on your Bluetooth headset or compatible Bluetooth car kit.
- Speak clearly and naturally.
- Say only iPhone commands and names, and numbers. Pause slightly between commands.
- Use full names.

For more about using Voice Control, including information about using Voice Control in different languages, go to [support.apple.com/kb/HT3597](http://support.apple.com/kb/HT3597).

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

**Change the language or country:** In Settings, choose General > International > Voice Control and tap the language or country.

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

**Prevent voice dialing when iPhone is locked:** In Settings, choose General > Passcode Lock and turn Voice Dial off. Unlock iPhone to use voice dialing.

See "Voice Dialing" on page 61 and "Using Voice Control with iPod" on page 94.

## Notification Center

The Notification Center displays local weather information, your personalized stock ticker, and alerts about:

- missed phone calls and voice messages
- new email
- new text messages
- reminders
- calendar events
- friend requests (Game Center)

Alerts appear on the lock screen, or briefly at the top of the screen if you're using iPhone. You can see all current alerts by revealing the Notification Center.

**Reveal the Notification Center:** Swipe down from the top of the screen.

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**Respond to an alert**

*Lock screen:* Swipe the alert from left to right.

*Notifications Center:* Tap the alert.

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**Remove an alert from the Notification Center**

Tap , then tap Clear.

Go to Settings > Notifications to turn notifications on or off, and set which alerts you receive and how they appear.

## Twitter

Sign in to your Twitter account (or create a new account) in Settings to enable tweets with attachments from the following apps:

- Camera—with photo from the Camera Roll
- Photos—with photo
- Safari—with webpage
- Maps—with location
- YouTube—with video




**Sign in to (or create) a Twitter account:**

- 1 In Settings, tap Twitter.
- 2 Enter the user name and password for an existing account, or tap Create New Account.

To add another account, tap Add Account.



In Camera or Photos, tap the Action button to tweet a photo.

<b>Tweet a photo, video, or webpage</b>	View the item, tap  , then tap Tweet. (If  isn't showing, tap the screen.) To include your location, tap Add Location.
<b>Tweet a location in Maps</b>	Tap the location pin, tap  , tap Share Location, then tap Tweet.
<b>Add Twitter user names and photos to your contacts</b>	In Settings, go to Twitter, then tap Update Contacts.
<b>Turn Twitter on or off for Photos or Safari</b>	In Settings, go to Twitter.

You can install and use the Twitter app to tweet, view your timeline, direct messages to other tweeters, search for trending topics, and more. In Settings, go to Twitter, then tap Install. To learn how to use the Twitter app, open the app, tap the More (...) button, tap "Accounts & Settings," tap Settings, then tap Manual.

## Apple Earphones with Remote and Mic

The Apple Earphones with Remote and Mic included with iPhone feature a microphone, volume buttons, and an integrated button that allows you to answer and end calls easily, and control audio and video playback.

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

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 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.
Adjust the volume	Press the + or – button.
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 Voice Control	Press and hold the center button. See “Voice Control” on page 41.


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

## AirPlay

You can wirelessly stream music, photos, and video to your HDTV or speakers using AirPlay and Apple TV.

You can also use AirPlay to stream audio to an Airport Express or AirPort Extreme base station. Other AirPlay-enabled receivers are available from third-parties, see the Apple Store for details.


### Stream content to an AirPlay-enabled device:

- 1 Make sure iPhone and the device (such as an Apple TV) are connected to the same Wi-Fi network.
- 2 Start the video, slideshow, or music, then tap  and choose the AirPlay device you want to use. Some devices may ask for a passcode.

Once streaming starts, you can exit the app.

---

Switch output from AirPlay back to iPhone

Open the app you're streaming from. Tap , then choose iPhone from the list.

---

## Bluetooth Devices

You can use iPhone with the Apple Wireless Keyboard and other Bluetooth devices, such as Bluetooth headsets, car kits, and stereo headphones. Third-party Bluetooth headphones may support volume and playback controls. See the documentation that came with your Bluetooth device. For supported Bluetooth profiles, go to support.apple.com/kb/HT3647.

### Pairing a Bluetooth Device with iPhone

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

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

#### Pair a Bluetooth headset, car kit, or other device with iPhone:

- 1 Follow the instructions that came with the device to make it discoverable or to set it to search for other Bluetooth devices.
- 2 In Settings, choose General > Bluetooth and turn Bluetooth on.
- 3 Choose the device on iPhone, and enter its passkey or PIN number. See the instructions about the passkey or PIN that came with the device.

After you pair a Bluetooth device to work with iPhone, you must make a connection to have iPhone use the device for your calls. See the documentation that came with the device.

When iPhone is connected to a Bluetooth headset or car kit, outgoing calls are routed through the device. Incoming calls are routed through the device if you answer using the device, and through iPhone if you answer using iPhone.

#### Pair an Apple Wireless Keyboard with iPhone:




- 1 In Settings, choose General > Bluetooth and turn Bluetooth on.
- 2 Press the power button on the Apple Wireless Keyboard to turn it on.
- 3 On iPhone, select the keyboard listed under Devices.
- 4 Type the passkey on the keyboard as instructed, then press Return.

**Note:** You can pair only one Apple Wireless Keyboard with iPhone at a time. To pair a different keyboard, you must first unpair the current one.

For more information, see “Using an Apple Wireless Keyboard” on page 37.

## Bluetooth Status


The Bluetooth icon appears in the iPhone status bar at the top of the screen:

-  or : Bluetooth is on and a device is connected to iPhone. (The color depends on the current color of the status bar.)
- : Bluetooth is on but no device is connected. If you’ve paired a device with iPhone, it may be out of range or turned off.
- *No Bluetooth icon*: Bluetooth is turned off.

## Unpairing a Bluetooth Device from iPhone

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

**Unpair a Bluetooth device:**

- 1 In Settings, choose General > Bluetooth and turn Bluetooth on.
- 2 Tap  next to the device name, then tap “Forget this Device.”

## Battery

iPhone has an internal rechargeable battery.

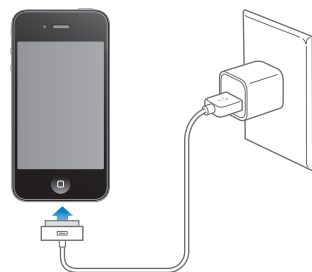
## Charging the Battery

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

The battery icon in the upper-right corner shows the battery level or charging status. You can also display the percentage of the battery charge. See “Software Update” on page 161.



**Charge the battery:** Connect iPhone to a power outlet using the included Dock Connector to USB Cable and USB power adapter.



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

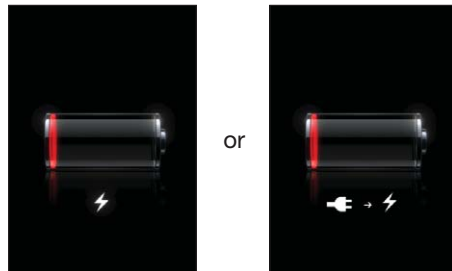
Unless your keyboard has a high-powered USB 2.0 port, you must connect iPhone to a USB 2.0 port on your computer.



**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.

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

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



### Maximizing Battery Life

iPhone uses lithium-ion batteries. To learn more about how to maximize the battery life of iPhone, go to [www.apple.com/batteries](http://www.apple.com/batteries).

### Replacing the Battery

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. For more information, go to [www.apple.com/support/iphone/service/battery](http://www.apple.com/support/iphone/service/battery).



## Security Features

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

### Passcodes and Data Protection

You can set a passcode that you must enter each time you turn on or wake up iPhone.

**Set a passcode:** Choose Settings > General > Passcode Lock and enter a 4-digit passcode, then enter the passcode again to verify it. iPhone then requires you to enter the passcode to unlock it or to display the passcode lock settings.

Setting a passcode turns on data protection. Data protection uses your passcode as the key for encrypting mail messages and their attachments stored on iPhone. (Data protection may also be used by some apps available in the App Store.) A notice at the bottom of the Passcode Lock screen in Settings shows whether data protection is enabled.

To increase iPhone security, turn off Simple Passcode and use a longer passcode with a combination of numbers, letters, punctuation, and special characters. See “Passcode Lock” on page 164.

**Important:** On an iPhone 3GS that didn’t ship with iOS 4 or later, you must also restore iOS software to enable data protection. See “Restoring iPhone” on page 225.

**Prevent voice dialing when iPhone is locked:** In Settings, choose General > Passcode Lock and turn Voice Dial off. Unlock iPhone to use voice dialing.

### Find My iPhone

Find My iPhone helps you locate and secure your iPhone using the free Find My iPhone app on another iPhone, iPad, or iPod touch, or using a Mac or PC with a web browser. Find My iPhone includes:

- **Locate on a map:** View the approximate location of your iPhone on a full-screen map
- **Display a Message or Play a Sound:** Lets you compose a message that will appear on your iPhone screen, or play a sound at full volume for two minutes, even if the Ring/Silent switch is set to silent
- **Remote Passcode Lock:** Lets you remotely lock your iPhone and create a 4-digit passcode, if you haven’t set one previously
- **Remote Wipe:** Lets you protect your privacy by erasing all media and data on iPhone, restoring it to factory settings

**Use Find My iPhone:** You need to turn on Find My iPhone on iPhone before you can use these features. See “Setting Up MobileMe Accounts” on page 23.

To locate your missing iPhone and use the other Find My iPhone features, download the free Find My iPhone app from the App Store on another iOS device, or sign in to me.com in a web browser on a Mac or PC.

**Note:** Find My iPhone requires a MobileMe account. MobileMe is Apple’s online service, which provides Find My iPhone for free to iPhone 4 customers, and additional features with a paid subscription. MobileMe may not be available in all countries or regions. For more information, see “Setting Up MobileMe Accounts” on page 23, or go to [www.apple.com/mobileme](http://www.apple.com/mobileme).

## Cleaning iPhone

Clean iPhone immediately if it comes in contact with any contaminants that may cause stains, such as ink, dyes, makeup, dirt, food, oils, or lotions. To clean iPhone, disconnect all cables and turn off iPhone (press and hold the On/Off Sleep/Wake button, then slide the onscreen slider). Then use a soft, slightly damp, lint-free cloth. Avoid getting moisture in openings. Don’t use window cleaners, household cleaners, compressed air, aerosol sprays, solvents, alcohol, ammonia, or abrasives to clean iPhone. The front cover of iPhone 3GS and the front and back covers of iPhone 4 are made of glass and have an oleophobic coating. To clean these surfaces, simply wipe with a soft, lint-free cloth. The ability of this coating to repel oil will diminish over time with normal usage, and rubbing the screen with an abrasive material will further diminish its effect and may scratch the glass.


For more information about handling iPhone, see the *iPhone Important Product Information Guide* at [www.apple.com/support/manuals/iphone](http://www.apple.com/support/manuals/iphone).


## Restarting or Resetting iPhone

If something isn’t working right, try restarting iPhone, force quitting an app, or resetting iPhone.

**Restart iPhone:** Press and hold the On/Off Sleep/Wake button until the red slider appears. Slide your finger across the slider to turn off iPhone. To turn iPhone back on, press and hold the On/Off Sleep/Wake button until the Apple logo appears.

If you can’t turn off iPhone or if the problem continues, you may need to reset iPhone. A reset should be done only if turning iPhone off and on doesn’t resolve the problem.

**Force quit an app:** Press and hold the On/Off Sleep/Wake button for a few seconds until a red slider appears, then press and hold the Home  button until the app quits. You can also force an app to quit by removing it from the recents list. See “Opening and Switching Apps” on page 26.

**Reset iPhone:** Press and hold both the On/Off Sleep/Wake button and the Home  button for at least ten seconds, until the Apple logo appears.

For more troubleshooting suggestions, see Appendix B, “Support and Other Information,” on page 223.

# iCloud, Syncing, and File Sharing

# 4

## About iCloud

iCloud stores your music, photos, apps, documents, contacts, calendars, and mail on the Internet so it's always available from all your devices. Everything is kept up to date and you don't have to sync or manage the files. The apps that come with your iPhone are ready to use iCloud, and many App Store apps will use it too.

You get 5 GB of free storage, and your purchased music, apps, and books don't count against your free space. To purchase additional space go to Settings > iCloud > Storage & Backup.

iCloud is not available in all regions. For more information about iCloud, go to: [www.icloud.com](http://www.icloud.com)

## Setting up iCloud

Use your Apple ID to access your iCloud account.

**Sign on or create an iCloud account:** In Settings, tap iCloud.

After you have signed in, you can choose the information you want to store on iCloud:

- Mail
- Contacts
- Calendars
- Reminders
- Bookmarks
- Notes
- Documents & Data

<b>Turn iCloud on or off</b>	Go to Settings > iCloud then turn iCloud on or off for each type of information.
<b>Turn Photo Stream on or off</b>	Go to Settings > iCloud. Photo Stream automatically sends photos from the Camera Roll to iCloud. When Photo Stream is on, you also automatically receive photos from other devices that use your iCloud account and have Photo Stream turned on. These appear in the Photo Stream album in Photos. For more information about Photo Stream see Chapter 11, “Photos,” on page 108
<b>Turn document storage on or off</b>	Go to Settings > iCloud > Documents & Data. When this setting is on, apps that work with iCloud, such as Pages, will automatically use it for storing their documents and data. You can also set if iCloud will use the cellular network to transfer documents and data. When this off, iCloud will wait until your device connects to a Wi-Fi network before updating information.
<b>Turn Find my iPhone on or off</b>	Go to Settings > iCloud. When Find my iPhone is on, visit <a href="http://www.icloud.com">www.icloud.com</a> to locate, lock, or wipe your device.

## Backing up with iCloud

You can set iPhone to back up the camera roll, accounts, documents, and settings to iCloud.

### Back up to iCloud

- Go to Settings > iCloud > Storage & Backup, then turn iCloud Backup on or off.  
iPhone will back up automatically when it has a Wi-Fi connection, is locked, and connected to a power source. The date and time of the last backup is listed at the bottom of the Storage & Backup screen.

<b>Backup immediately</b>	Go to Settings > iCloud > Storage & Backup. Under Backup, tap Back Up Now. iPhone requires a Wi-Fi, not cellular, connection to back up.
<b>Manage your back ups</b>	Go to Settings > iCloud > Storage & Backup, then tap Manage Storage. Tap the name of your iPhone to see how much space is taken by the backup, iCloud space remaining, and the estimated size of your next backup.
<b>Change Camera Roll back up options</b>	Go to Settings > iCloud > Storage & Backup, then tap Manage Storage. Tap the name of your iPhone, then turn Camera Roll backup on or off.
<b>Delete backup</b>	Go to Settings > iCloud > Storage & Backup, then tap Manage Storage. Tap the name of your iPhone. Tap Delete Backup to remove the backup from iCloud and stop backing up iPhone.
<b>Restoring from back up</b>	To restore from back up, reset iPhone to erase all settings and information. See “Resetting iPhone” on page 169 The setup assistant, after you sign into your iCloud account, allows you to restore the back up. iCloud keeps only one backup of your device; you can only restore from the most recent backup.

## Checking iCloud storage

You can see how much iCloud storage space you’re currently using and purchase more space.

### Task

- Go to Settings > iCloud > Storage & Backup, then tap Manage Storage.  
Tap the name of your iPhone to view backup information. See “Backing up with iCloud” on page 52.  
Tap Buy More Storage to purchase additional space.

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## Syncing with iTunes

You sync iPhone with your computer using iTunes. You connect iPhone to your computer using USB, or you can set up iTunes to sync wirelessly using Wi-Fi. You can set iTunes to sync any or all of the following:

- Contacts—names, phone numbers, addresses, email addresses, and more
- Calendars—appointments and events

- Email account settings
- Webpage bookmarks
- Notes
- Tones
- Music
- Photos and videos (in your computer's photo application or folder)
- iTunes U collections
- Podcasts
- Books and audiobooks
- Movies, TV shows, and music videos
- Apps downloaded from the App Store

You can adjust sync settings whenever iPhone is connected to your computer.

Music, audiobooks, podcasts, books, ringtones, iTunes U collections, videos, and apps are synced from your iTunes library. If you don't already have content in iTunes, the iTunes Store (not available in all countries or regions) makes it easy to preview content and download it to iTunes. You can also add music to your iTunes library from your CDs. To learn about iTunes and the iTunes Store, open iTunes and choose Help > iTunes Help.

Contacts, calendars, notes, and webpage bookmarks are synced with applications on your computer. New entries or changes you make on iPhone are synced to your computer, and vice versa.

iTunes also lets you sync photos and videos from an application or from a folder.

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

**Note:** You can also set up email accounts directly on iPhone. See "Adding Mail, Contacts, and Calendar Accounts" on page 23.

Purchases you make on iPhone in the iTunes Store or the App Store are synced back to your iTunes library. You can also purchase or download content and apps from the iTunes Store on your computer, and then sync them to iPhone.

You can set iPhone to sync with only a portion of what's on your computer. For example, you might want to sync only a group of contacts from your address book, certain music playlists, or only unwatched video podcasts.

**Set up iTunes syncing:**

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

- 2 In iTunes, select iPhone in the Devices list.
- 3 Configure the sync settings in each of the settings panes.
- 4 Click Apply in the lower-right corner of the screen.

**Set up wireless iTunes syncing:**

- 1 Connect iPhone to your computer, and open iTunes, if it doesn't open automatically.  
To configure wireless iTunes syncing, you must first connect iPhone to your computer using USB.
- 2 In iTunes, select iPhone in the Devices list.
- 3 In the Summary settings pane, under Options, turn on "Sync over Wi-Fi connection."
- 4 Click Apply in the lower-right corner of the screen.

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

See TK XREF TO SETTINGS.

To change sync settings you must connect iPhone to your computer using USB. See "iPhone Settings Panes in iTunes" on page 55 for information about the available settings.

## iPhone Settings Panes in iTunes

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

**Note:** To view the panes, select your iPhone in the Devices list, in iTunes. Additional panes may be available, depending on the types of content in your iTunes library.

### Summary Pane

Select "Open iTunes when this iPhone is connected" to have iTunes open and sync iPhone automatically whenever you connect it to your computer. Deselect this option if you want to sync only by clicking the Sync button in iTunes. You can temporarily override this settings by holding down Command and Option (Mac) or Shift and Control (PC) until you see your iPhone appear in the sidebar.

Select "Sync only checked songs and videos" if you want iTunes to skip unchecked items in your iTunes library when syncing.


Select "Sync over Wi-Fi connection" to wirelessly sync iPhone with iTunes. See "Syncing with iTunes" on page 53

Select "Prefer standard definition videos" if you want iTunes to sync standard definition instead of high definition videos (iPhone 4).

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Select “Convert higher bit rate songs to 128 kbps AAC” if you want iTunes to convert larger audio files to the standard iTunes audio format during syncing.

Select “Manually manage music and videos” to turn off automatic syncing in the Music and Video settings panes. See “Manually Managing Content” on page 58.

Select “Encrypt 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 to restore the backup. If you don't select this option, passwords (such as those for mail accounts) are not included in the backup. See “Backing up iPhone” on page 223.

To turn on Accessibility features, click Configure Universal Access. See Chapter 32, “Accessibility,” on page 198.

### Info Pane

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

- Contacts

Sync contacts with applications such as Mac OS X Address Book, Yahoo! Address Book, and Google Contacts on a Mac, or with Yahoo! Address Book, Google Contacts, Windows Address Book (Outlook Express), Windows Contacts (Vista and Windows 7), or Microsoft Outlook 2003, 2007, or 2010 on a PC. (On a Mac, you can sync contacts with multiple applications. On a PC, you can sync contacts with one application at a time.)

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

- Calendars

Sync calendars from applications such as iCal on a Mac, or from Microsoft Outlook 2003, 2007, or 2010 on a PC. (On a Mac, you can sync calendars with multiple applications. On a PC, you can sync calendars with only one application at a time.)

- Mail Accounts

Sync email account settings from Mail on a Mac, and from Microsoft Outlook 2003, 2007, or 2010 or Outlook Express on a PC. Account settings are transferred only from your computer to iPhone. Changes you make to an email account on iPhone don't affect the account on your computer.

**Note:** The password for your Yahoo! email account isn't saved on your computer, so it can't be synced and must be entered on iPhone. In Settings, choose “Mail, Contacts, Calendars,” tap your Yahoo! account, and enter the password.

- Web Browser



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

- **Notes**

Sync notes in the Notes app with notes in Mail on a Mac or with Microsoft Outlook 2003, 2007, or 2010 on a PC.

- **Advanced**

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

### **Apps Pane**

Use the Apps Pane to sync App Store apps, arrange apps on the iPhone Home screen, or copy documents between iPhone and your computer.

Select “Automatically sync new apps” to sync new apps to iPhone that you downloaded or synced from another device. If you delete an app on iPhone, you can reinstall it from the Apps pane as long as it was previously synced.

You can create documents on iPhone with apps that support file sharing, and then copy those documents to your computer. You can also copy documents from your computer to iPhone, and use them with apps that support file sharing. See “File Sharing” on page 59.

### **Ringtones Pane**

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

### **Music, Movies, TV Shows, Podcasts, iTunes U, and Books Panes**

Use these panes to specify the media you want to sync. You can sync all music, movies, TV shows, podcasts, iTunes U collections, books and audiobooks, or select the content you want.

If you create a playlist folder (collection of playlists) in iTunes, the folder and its playlists will be synced to iPhone. You can't create playlist folders directly on iPhone.

If you listen to part of a podcast or audiobook, your place in the story is included if you sync the content with iTunes. If you started listening to the story on iPhone, you can pick up where you left off using iTunes on your computer—or vice versa.

If you want to watch a rented movie from your computer on iPhone, sync it using the Movies pane in iTunes.

Only songs and videos encoded in formats that iPhone supports are synced. For information about which formats are supported, go to [www.apple.com/iphone/specs.html](http://www.apple.com/iphone/specs.html).

**Important:** If you delete an item from iTunes, it will also be deleted from iPhone the next time you sync.

### Photos Pane

On a Mac, you can sync photos with Aperture or iPhoto 4.0.3 or later, and videos with iPhoto 6.0.6 or later. On a PC, you can sync photos with Adobe Photoshop Elements 8.0 or later. You can also sync photos and videos from any Mac or PC folder that contains images.

## Manually Managing Content

The manually managing feature lets you choose just the music, videos, and podcasts you want to have on iPhone.

### Set up iPhone for manually managing content:

- 1 Connect iPhone to your computer.
- 2 In iTunes, select iPhone in the sidebar.
- 3 Click Summary at the top of the screen and select “Manually manage music and videos.”
- 4 Click Apply.

---

#### Add items to iPhone

Drag a song, video, podcast, or playlist in your iTunes library to iPhone (in the sidebar). Shift-click or Command-click (Mac) or Control-click (Windows) to select multiple items to add at the same time.

iTunes syncs the content immediately. If you deselect “Manually manage music and videos,” the content you added manually is removed from iPhone the next time iTunes syncs content.

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#### Remove items from iPhone

With iPhone connected to your computer, select iPhone in the iTunes sidebar, and click its disclosure triangle to show contents. Select a content area, such as Music or Movies, then select the items you want to delete and press the Delete key on the keyboard.

Removing an item from iPhone doesn't delete it from your iTunes library.

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**Note:** Genius doesn't work if you manually manage content. See “Using Genius on iPhone” on page 96.

## Transferring Purchased Content to Another Computer

You can transfer content on iPhone that was purchased using iTunes on one computer to an iTunes library on another authorized computer. The computer must be authorized to play content purchased using your Apple ID.

<b>Authorize a computer</b>	Open iTunes on the computer and choose Store > Authorize Computer.
<b>Transfer purchased content</b>	Connect iPhone to the other computer. In iTunes, choose File > Transfer Purchases from iPhone.

## File Sharing

File Sharing lets you transfer files via USB between iPhone and your computer. You can share files created with a compatible app and saved in a supported format.

Apps that support file sharing appear in the File Sharing Apps list in iTunes. For each app, the Files list shows the documents that are on iPhone. See the app's documentation for how it shares files; not all apps support this feature.

### Transfer a file from iPhone to your computer:

- 1 Connect iPhone to your computer.
- 2 In iTunes, select iPhone in the Devices list, then click Apps at the top of the screen.
- 3 In the File Sharing section, select an app from the list on the left.
- 4 On the right, select the file you want to transfer, then click "Save to" and choose a destination on your computer.

### Transfer a file from your computer to iPhone:

- 1 Connect iPhone to your computer.
- 2 In iTunes, select iPhone in the Devices list, then click Apps at the top of the screen.
- 3 In the File Sharing section, select an App, then click Add.
- 4 Select a file, then click Choose (Mac) or OK (PC).

The file is immediately transferred to your device and can be opened using an app that supports that file type. To transfer more than one file, select each additional file.

<b>Delete a file from iPhone</b>	Select the file in the Files list, then press the Delete key.
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# Phone

# 5



## Phone Calls

### Making Calls

Making a call on iPhone is as simple as tapping a name and number in your contacts, tapping one of your favorites, or tapping a recent call to return it. Buttons at the bottom of the Phone screen give you quick access to your favorites, recent calls, your contacts, and a numeric keypad for dialing manually.

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



#### Return a missed call

Do one of the following:

- *Phone:* Tap Recents, then tap the name or number
- *Locked screen:* Flick the notification from left to right
- *Notification Center:* Tap the missed call

### Dialing Manually

You can use the keypad to dial a phone number manually.

#### Dial a number:

- 1 Tap Keypad.

- 2 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, then tap Call again.

## Voice Dialing

You can use Siri ( or Voice Control (iPhone 4 and iPhone 3GS) to call someone in your contacts, or to dial a specific number.

**Note:** Siri and Voice Control may not be available in all languages. For more information, see "Siri" on page 40 and "Voice Control" on page 41.

### Make a phone call by voice:

- 1 Depending on your model:

iPhone 4S If the screen is not on, press the On/Off button, then hold iPhone to your ear.

- iPhone 4 or iPhone 3GS: Press and hold the Home button until you hear the tone. You can also press and hold the center button on the iPhone earphones.

- 2 Say "call" or "dial," then say the name or number.

For example:

- Call John Appleseed
- Call John Appleseed at home
- Call John Appleseed, mobile

For best results, speak the full name of the person you're calling. When voice dialing a number, speak each digit separately—for example, say "four one five, five five five, one two one two."

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

Prevent voice dialing when iPhone is locked	In Settings, go to General > Passcode Lock, then turn Voice Dial off.
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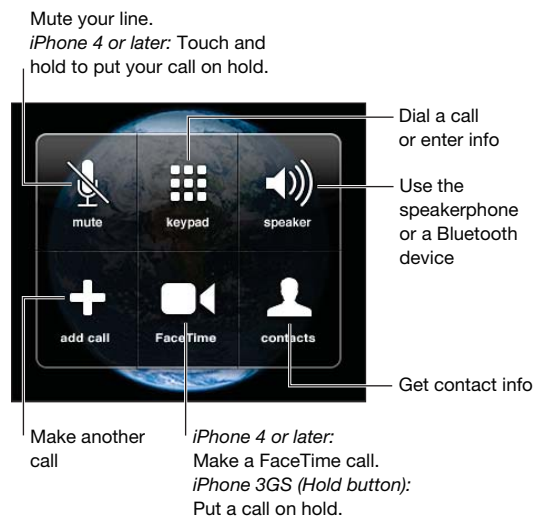
## Receiving Calls

When you receive a call, tap Answer. If iPhone is locked, drag the slider. You can also press the center button on your iPhone earphones.


<b>Silence a call</b>	Press the On/Off Sleep/Wake button or either volume button. You can still answer the call after silencing it, until it goes to voicemail.
<b>Decline a call</b>	Do one of the following to send a call directly to voicemail: <ul style="list-style-type: none"> <li>• Press the On/Off Sleep/Wake button twice quickly.</li> <li>• Press and hold the center button on the iPhone earphones for about two seconds. Two low beeps confirm that the call was declined.</li> <li>• Tap Decline (if iPhone is awake when a call comes in).</li> </ul>
<b>Block calls and maintain Wi-Fi access to the Internet</b>	In Settings, turn on Airplane Mode, then tap Wi-Fi to turn it on.

## While On a Call

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



The call options may vary, depending on which iPhone you're using.

<b>Use another app during a call</b>	Press the Home  button, then tap an app icon. To return to the call, tap the green bar at the top of the screen.
<b>End a call</b>	Tap End Call. Or press the center button on your iPhone earphones.

## Second Calls

During a call, you can make or receive another call. If you receive a second call, iPhone beeps and shows the caller's information and a list of options.

**Note:** Making and receiving a second call may be an optional service in some countries or regions. Contact your carrier for more information.

### Respond to a second incoming call:

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

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

<b>Make a second call</b>	Tap Add Call. The first call is put on hold.
<b>Switch between calls</b>	Tap Swap. The active call is put on hold. With CDMA, you can't switch between calls if the second call was outgoing, but you can merge the calls. If you end the second call or the merged call, both calls are terminated.
<b>Merge calls</b>	Tap Merge Calls. With CDMA, you can't merge calls if the second call was incoming.


## Conference Calls

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

**Note:** Conference calling may be an optional service in some countries or regions. Contact your carrier for information.

### Create a conference call:

- 1 Make a call.
- 2 Tap Add Call and make another call. The first call is put on hold.
- 3 Tap Merge Calls. The calls are merged on one line and everyone can hear each other.
- 4 Repeat steps two and three to add additional calls.

<b>Drop one call</b>	Tap Conference and tap  next to a call. Then tap End Call.
<b>Talk privately with a call</b>	Tap Conference, then tap Private next to a call. Tap Merge Calls to resume the conference call.
<b>Add an incoming call</b>	Tap Hold Call + Answer, then tap Merge Calls.

If your service includes conference calling, iPhone always has a second line available in addition to the conference call.

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

## FaceTime

FaceTime video calls (iPhone 4 or later) let you see as well as hear the person you're talking to. You can make a video call to someone with a Mac or iOS device that supports FaceTime. No setup is needed, but you must have a Wi-Fi connection to the Internet. By default, FaceTime uses the front camera so the person you call can see your face; switch to the rear camera to share what you see around you.

**Note:** FaceTime may not be available in all countries or regions.

### Make a FaceTime call:

- 1 In Contacts, choose a name.
- 2 Tap FaceTime.
- 3 Tap the email address or phone number the person uses for FaceTime.

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



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When the voice call is established, you see the image from the other person's iPhone. An inset shows what the other person sees. You can drag the inset to any corner, and you can use FaceTime in portrait or landscape orientation.



If you move away from your Wi-Fi network, or it otherwise becomes unavailable, you'll get an option to redial the number for a voice call.

**Note:** When you make a FaceTime video call, your phone number is displayed even if caller ID is blocked or turned off.

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<b>Make a FaceTime call using Siri or Voice Control</b>	Press and hold the Home button until you hear the tone. Then say "FaceTime," followed by the name of the person to call.
<b>Block FaceTime calls</b>	Turn off FaceTime. In Settings, go to FaceTime. You can also disable FaceTime in Restrictions. See "Restrictions" on page 165.
<b>Use your Apple ID or an email address for FaceTime</b>	In Settings, go to FaceTime, then tap "Use your Apple ID for FaceTime" or Add An Email. See "FaceTime" on page 64.

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### Using a Bluetooth Device for Calls

You can make and receive calls using a Bluetooth device paired with iPhone. See "Pairing a Bluetooth Device with iPhone" on page 46.

For information about using a Bluetooth device, see the documentation that came with the device.

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**Bypass your Bluetooth device**

Do one of the following:

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

## Emergency Calls

If iPhone is locked with a passcode, you may still be able to make an emergency call.


**Make an emergency call when iPhone is locked:**

- 1 On the Enter Passcode screen, tap Emergency Call.
- 2 Dial the number using the numeric keypad.

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* to allow a call back from emergency services. While in this mode, 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 or Home  button.
- Use the keypad to dial a non-emergency number.

Emergency call mode ends automatically after a few minutes, as determined by your carrier.

**Important:** You should not rely on wireless devices for essential communications, such as medical emergencies. Use of any cellular phone to call emergency services may not work in all locations. Emergency numbers and services vary by country or region. Only emergency numbers valid in the country or region where you're making the call will work, and sometimes an emergency call cannot be placed due to network unavailability or environmental interference. Some cellular networks may not accept an emergency call from iPhone if it doesn't have a SIM card or if the SIM card is locked (GSM), or if you haven't activated your iPhone. If you're on a FaceTime video call, you must end that call before you can call an emergency number.

## Visual Voicemail

### Setting Up Voicemail

On iPhone, visual voicemail lets you see a list of your messages and choose which ones to listen to or delete, without having to listen to instructions or prior messages.

**Note:** Visual voicemail may not be available in all countries or regions, or may be an optional service. Contact your carrier for more information. If visual voicemail isn't available, tap Voicemail and follow the voice prompts to retrieve your messages.



Number of missed calls and unheard voicemail messages appears on the Home screen Phone icon.

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

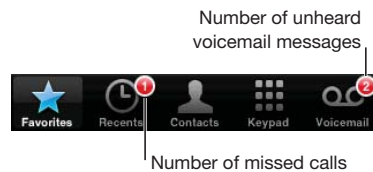
#### Change your greeting:

- 1 Tap Voicemail, tap Greeting, then tap Custom.
- 2 Tap Record when you're ready to start.
- 3 When you finish, tap Stop. To review, tap Play.  
To rerecord, repeat steps 2 and 3.
- 4 Tap Save.

Use your carrier's default greeting	Tap Voicemail, tap Greeting, then tap Default.
Set an alert sound for new voicemail	In Settings, go to Sounds, then turn New Voicemail on. The alert sounds once for each new voicemail. <b>Note:</b> If the Ring/Silent switch is off, iPhone won't sound alerts.
Change the voicemail password	In Settings, choose Phone > Change Voicemail Password.

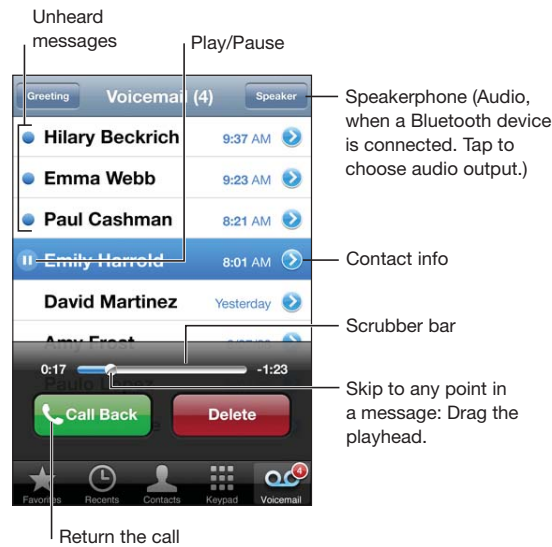
### Checking Voicemail

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



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Tap Voicemail to see a list of your messages.



**Listen to a voicemail message:**

- 1 Tap Voicemail.
- 2 Tap a message.

If you've already heard the message, tap the message again to replay it. Use **||** and **▶** to pause and resume playback.

Once you listen to a message, it's saved until your carrier erases it.

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

Select a message, then tap Delete.

**Note:** In some countries or regions, deleted visual voicemail messages may be permanently erased by your carrier.

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Listen to a deleted message	Tap Deleted Messages (at the end of the list), then tap the message.
Undelete a message	Tap Deleted Messages (at the end of the list), then tap the message and tap Undelete.
Delete messages permanently	Tap Deleted Messages (at the end of the list), then tap Clear All.

---

## Contacts


From a contact's Info screen, a quick tap lets you make a phone call, create an email message, find their location, and more. See "Searching Contacts" on page 176.




## Favorites

Favorites gives you quick access to your most-used phone numbers.

### Add a contact's phone number to your favorites list:

- 1 Tap Contacts.
- 2 Choose a contact.
- 3 Tap "Add to Favorites."
- 4 Choose a phone number or email address (for FaceTime calls).
- 5 On iPhone 4 or later, choose whether to save as a voice or FaceTime call.

To call a favorite, tap Favorites and choose a contact. If  appears next to a name, iPhone makes a FaceTime call.

Add a contact to favorites from the recents list	Tap Recents and tap  next to the contact's name, then tap "Add to Favorites."
Delete a contact from your favorites	Tap Favorites and tap Edit. Then tap  next to a contact or number and tap Remove.
Reorder your favorites list	Tap Favorites and tap Edit. Then drag  next to a contact to a new place in the list.

## Call Forwarding, Call Waiting, and Caller ID

### Call Forwarding

You can set iPhone to forward incoming phone calls to a another number.

**Note:** FaceTime calls are not forwarded.


#### Turn on call forwarding (GSM):

- 1 In Settings, go to Phone > Call Forwarding.
- 2 On the "Forward to" screen, enter the you're forwarding calls to.

#### Turn on call forwarding (CDMA):

- 1 Enter \*72, followed by the number you're forwarding calls to.
- 2 Tap Call.

To turn off call forwarding (CDMA), enter \*73, then tap Call.

With GSM,  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

Call waiting gives you the options to take an incoming call when you're already on the phone. You can:

- ignore the incoming call
- put the current call on hold and answer the incoming one
- end the current call and answer the incoming one

See "Second Calls" on page 63. If you're on a call and call waiting is turned off, incoming calls go directly to voicemail.

### Turn on call waiting (GSM):

- In Settings, go to Phone > Call Waiting.

### Disable call waiting for a call (CDMA):

With CDMA, call waiting is on by default.

- Enter \*70, then dial the number.

To disable call waiting for a subsequent call, you must again enter \*70 before dialing the number.

## Caller ID

Caller ID displays your name or phone number to the person you call—if the recipient's equipment has that capability and you haven't turned off or blocked the feature.

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

### Turn caller ID on or off (GSM):

- In Settings, go to Phone > Show My Caller ID.

### Block caller ID for a call (CDMA):

With CDMA, caller ID is on by default.

- Enter \*67, then dial the number.

## Ringtones, Ring/Silent, and Vibrate

iPhone comes with ringtones that sound for incoming calls, Clock alarms, and the Clock timer. You can also purchase ringtones from songs in iTunes. Use the switch Ring/Silent switch to turn the ringer on or off, and Sound settings to set the vibrate options.

**Set the default ringtone:**

- In Settings, go to Sounds > Ringtone.

**Turn the ringer on or off**

- Flip the switch on the side of iPhone. See “Ring/Silent Switch” on page 14.

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

**Set iPhone to vibrate:**

- In Settings, go to Sounds.

Separate controls let you set vibrate for both ring mode and silent mode.

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Assign a different ringtone for a contact	In Contacts, choose a contact, tap edit, then tap Ringtone and choose a ringtone.
Purchase a ringtone from the iTunes Store	See “Purchasing music, audiobooks, and tones” on page 146.

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For more information, see “Sounds and the Ring/Silent Switch” on page 159.

## International Calls

### Making International Calls from Your Home Area

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

### Using iPhone Abroad

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 for data delivered via the cellular network (including visual voicemail) when roaming outside your carrier's network, turn off Data Roaming.

<b>Turn off Data Roaming</b>	In Settings, go to General > Network. Turning Data Roaming off disables data transmission over the cellular network. Apps that depend on Internet access are disabled unless iPhone has access to the Internet via a Wi-Fi connection. Visual voicemail delivery is suspended when roaming unless your carrier does not charge for it.
<b>Set iPhone to add the correct prefix when dialing from another country</b>	In Settings > Phone, turn on International Assist (not available in all areas). This lets you use contacts and favorites to make U.S. calls, without having to add a prefix or country code.
<b>Set the carrier to use</b>	In Settings, go to Carrier. This option is available only when you're traveling outside your carrier's network, and with carriers that have roaming agreements with your service provider. For more information, see "Carrier" on page 159.
<b>Get voicemail when visual voicemail isn't available</b>	Dial your own number (with CDMA, dial your number followed by #), or touch and hold "1" on the numeric keypad.
<b>Turn off cellular data</b>	In Settings, go to General > Network.
<b>Turn off cellular services</b>	In Settings, tap Airplane Mode to turn it on, then tap Wi-Fi and turn Wi-Fi on. Incoming phone calls are sent to voicemail. To make and receive calls again and get your voicemail messages, turn airplane mode off.

## Settings options

In Settings, go to iPhone to:

- See the phone number for your iPhone
- Turn call forwarding, call waiting, and caller ID on or off (GSM)
- Turn TTY on or off
- Change your voicemail password (GSM)
- Turn international assist on or off—when calling from abroad, international assist lets you call contacts and favorites in the U.S. without having to add a prefix or country code (GSM)
- Lock your SIM to require a PIN when you turn iPhone on (required by some carriers)

In Settings go to FaceTime to:

- Turn FaceTime on or off
- Use your Apple ID for FaceTime



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- Add an email address for FaceTime <<WHAT'S THE DIFFERENCE BETWEEN THIS AND "USE YOUR APPLE ID FOR FACETIME"?>>



Mail works with iCloud, Microsoft Exchange, and many of the most popular email systems—including Yahoo!, Google, Hotmail, and AOL—as well as other industry-standard POP3 and IMAP email systems. You can send and receive photos, videos, and graphics, and view PDFs and other attachments. You can also print messages, and attachments that open in Quick Look.

### Setting Up Email Accounts

You can set up email accounts in either of the following ways:

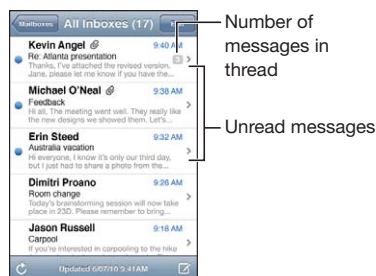
- Set up an account directly on iPhone. See “Adding Mail, Contacts, and Calendar Accounts” on page 23.
- In iTunes, use the iPhone settings panes to sync email accounts settings from your computer. See “iPhone Settings Panes in iTunes” on page 55.


### Checking and Reading Email

In Mail, the Mailboxes screen gives you quick access to all your inboxes and other mailboxes.

When you open a mailbox, Mail retrieves and displays the most recent messages. The number of messages retrieved is determined by your Mail settings. See “UNRESOLVABLE CROSS-REFERENCE” on page ###.

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Organize messages by thread	If you organize messages by thread, related messages appear as a single entry in the mailbox. In Settings, choose “Mail, Contacts, Calendars,” and tap the switch to turn Organize By Thread on or off. See “ <a href="#">UNRESOLVABLE CROSS-REFERENCE</a> ” on page ###.
Check for new messages	Choose a mailbox, or tap  at any time.
Load additional messages	Scroll to the bottom of the list of messages and tap Load More Messages.
Zoom in on part of a message	Double-tap an area of the message. Double-tap again to zoom out. Or pinch apart or together to zoom in or out.
Resize any column of text to fit the screen	Double-tap the text.
See all the recipients of a message	Tap Details. Tap a name or email address to see the recipient’s contact information. Then tap a phone number, email address, or text message to contact the person. Tap Hide to hide the recipients.
Add an email recipient to your contacts list	Tap the message and, if necessary, tap Details to see the recipients. Then tap a name or email address and tap Create New Contact or “Add to Existing Contact.”
Mark a message as unread	Open the message and tap “Mark as Unread.”
Open a meeting invitation	Tap the invitation. You can get contact information for the organizer and other invitees, set an alert, add notes to the event, and add comments that are included in your response emailed to the organizer. You can accept, tentatively accept, or decline the invitation. See “Responding to invitations” on page 104.

## Working with Multiple Accounts

If you set up more than one account, the Accounts section of the Mailboxes screen lets you access your accounts. You can also tap All Inboxes to see all of your incoming messages consolidated into one list.

When writing a new message, tap the From field to select the account from which to send the message.

## Sending Email


You can send an email message to anyone who has an email address.

### Compose a message

- Tap 

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#### Add a recipient from Contacts

Type a name or email address in the To field, or tap .

If you're composing a message from your Microsoft Exchange account and have access to your enterprise Global Address List (GAL), matching addresses from Contacts appear first, followed by matching GAL addresses.

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#### Rearrange recipients

To move a recipient from one field to another, such as from To to Cc, drag the recipient's name to the new location.


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#### Make text bold, italic, or underlined

Tap the insertion point to display the selection buttons, then tap Select. Drag the points to select the text that you want to style. Tap TK > BUTTON, then tap B//U. Tap Bold, Underline, or Italic to apply the style.





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#### Send a photo or video in an email message

In Photos, choose a photo or video, tap , then tap Email Photo or Email Video. You can also copy and paste photos and videos.

To send multiple photos or videos, tap  while viewing thumbnails in an album. Tap to select the photos and videos, tap Share, then tap Email.

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<b>Paste and send a photo or video in an email message</b>	<p>In Photos, touch and hold a photo or video until the Copy command appears. Tap Copy. Go to Mail and create a new message. Tap to place the insertion point where you want the video, then tap the insertion point to display the edit commands and tap Paste.</p> <p>To copy multiple videos, in Photos, open an album, tap , tap to select photos and videos, then tap Copy.</p>
<b>Save a draft of a message to complete later</b>	<p>Tap Cancel, then tap Save. The message is saved in the Drafts mailbox.</p>
<b>Reply to a message</b>	<p>Tap . Tap Reply to reply only to the sender or tap Reply All to reply to the sender and all recipients. Type your return message, then tap Send.</p> <p>Files or images attached to the initial message aren't sent back.</p>
<b>Quote a portion of the message you're replying to or forwarding</b>	<p>Touch and hold to display the selection buttons. Drag the grab points to select the text you want to include in your reply, then tap .</p> <p>To change the indentation of the quoted text, touch and hold to display the selection buttons, then tap TK &gt; BUTTON. Tap Quote Level, then tap Increase or Decrease.</p>
<b>Forward a message</b>	<p>Open a message and tap , then tap Forward. Add one or more email addresses, type your message, then tap Send.</p> <p>When you forward a message, you can include the files or images attached to the original message.</p>
<b>Share contact information</b>	<p>In Contacts, choose a contact, tap Share Contact at the bottom of the Info screen, then tap Email.</p>

## Using Links and Detected Data

Your iOS device detects web links, phone numbers, email addresses, dates, and other types of information that you can use to open a webpage, create a preaddressed email message, create or add information to a contact, or perform some other useful action. Detected data appears as blue underlined text. Tap the data to use its default action, or touch and hold it to see other actions. For example, for an address, you can display the location in Maps, or add it to Contacts.

## Viewing Attachments

iPhone displays image attachments in many commonly used formats (JPEG, GIF, and TIFF) inline with the text in email messages. iPhone can play many types of audio attachments, such as MP3, AAC, WAV, and AIFF. You can download and view files (such as PDF, webpage, text, Pages, Keynote, Numbers, and Microsoft Word, Excel, and PowerPoint documents) that are attached to messages you receive.

### View an attached file

- Tap the attachment to open it in Quick Look. (You may need to wait while it downloads before viewing.)

<b>Open an attached file</b>	Touch and hold the attachment then choose an application to open it. If none of your apps support the file, and it isn't one that Quick Look supports, you can see the name of the file but you can't open it.
<b>Save an attached photo or video</b>	Touch and hold the photo or video, then tap Save Image or Video. The item is saved to the Camera Roll in the Photos app.

Quick Look supports the following document types:

<b>.doc, .docx</b>	Microsoft Word
<b>.htm, .html</b>	webpage
<b>.key</b>	Keynote
<b>.numbers</b>	Numbers
<b>.pages</b>	Pages
<b>.pdf</b>	Preview, Adobe Acrobat
<b>.ppt, .pptx</b>	Microsoft PowerPoint
<b>.rtf</b>	Rich Text Format
<b>.txt</b>	text
<b>.vcf</b>	contact information
<b>.xls, .xlsx</b>	Microsoft Excel


## Printing Messages and Attachments

You can print email messages, and attachments that can be viewed in Quick Look.

### Print an email message

- Tap , then tap Print.

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<b>Print an inline image</b>	Touch and hold the image, then tap Save Image. Then open Photos and print the image from the Camera Roll album.
<b>Print an attachment</b>	Tap the attachment to view it in Quick Look, then tap  and tap Print.

For more information about printing and printer options, see “Printing” on page 37.

## Organizing Email


You can organize messages in any mailbox, folder, or search results window. You can delete messages one at a time, or select a group to delete all at once. You can also move messages from one mailbox or folder to another in the same account or between different accounts. You can add, delete, or rename mailboxes and folders.

### Delete a message

- Open the message and tap .

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

<b>Archive a message</b>	Some mail accounts, such as iCloud and Google, support archiving instead of deleting messages. When you archive a message it is moved from your Inbox to All Mail so it can still be retrieved later. Turn archiving on or off in Settings > Mail, Contacts, Calendars.
<b>Recover a message</b>	Deleted messages are moved to the Trash mailbox. To change how long a message stays in Trash before being deleted permanently, go to Settings > Mail, Contacts, Calendars.
<b>Flag and mark messages as read</b>	When viewing a list of messages, tap Edit, select the messages you want then tap Mark. Choose Flag or Mark as Read.
<b>Delete multiple messages</b>	When viewing a list of messages, tap Edit, select the messages you want to delete, then tap Delete.

<b>Move multiple messages</b>	When viewing a list of messages, tap Edit, select the messages you want to move, then tap Move and choose a mailbox. Tap Accounts to choose a mailbox or folder for another account.
<b>Move a message to another mailbox or folder</b>	When viewing a message, tap  , then choose a mailbox or folder.
<b>Add a mailbox</b>	Go to mailboxes, tap Edit, then tap New Mailbox. You can specify the location of the mailbox, such as inside another mailbox.
<b>Delete or rename a mailbox</b>	Go to mailboxes, tap Edit and then tap a mailbox. Enter a new name or location for the mailbox. Tap Delete Mailbox to delete it and all the mail and submailboxes it contains.

## Searching Email

You can search the To, From, and Subject fields of email messages. Mail searches the downloaded messages in the currently open mailbox. For iCloud, Exchange, and some IMAP mail accounts, you can also search messages on the server.

### Search email messages

- 1 Open a mailbox, scroll to the top, and enter text in the Search field.
- 2 Tap From, To, Subject, or All to choose which fields you want to search.

If your mail accounts support it, messages on server are also searched.

Mail messages can also be included in searches from the Home screen. See “Searching” on page 39.

## Changing Mail Settings

There are numerous settings you can select for Mail and for your mail accounts. In Settings, go to “Mail, Contacts, Calendars.” You can set up:

- Microsoft Exchange
- iCloud
- MobileMe
- Google
- Yahoo!
- AOL
- Microsoft Hotmail
- Other POP and IMAP mail systems



## Accounts

The Accounts section lets you set up accounts on iPhone. The specific settings that appear depend on the type of account you're setting up. Your service provider or system administrator should be able to provide the information you need to enter.

### Change an account's settings

- Choose "Mail, Contacts, Calendars," choose an account, then make the changes you want.

Changes you make to an account's settings on iPhone aren't synced to your computer, so you can configure your accounts to work with iPhone without affecting the account settings on your computer.

---

#### Stop using an account service

Choose "Mail, Contacts, Calendars," choose an account, then turn an account service (such as Mail, Calendars, or Notes) off.

If an account service is off, iPhone doesn't display or sync information with that account service until you turn it back on.

---

#### Set whether drafts, sent messages, and deleted messages are stored on iPhone

Go to Settings > "Mail, Contacts, Calendars," choose an account, then tap Advanced. Choose the location of Draft Mailbox, Sent Mailbox, or Deleted Mailbox.

If you store messages on iPhone, you can see them even when iPhone isn't connected to the Internet.

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#### Set how long before messages are removed permanently from Mail

Go to Settings > "Mail, Contacts, Calendars," choose an account, then tap Advanced. Tap Remove, then choose a time: Never, or after one day, one week, or one month.

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#### Adjust email server settings

Go to Settings > "Mail, Contacts, Calendars," choose an account, then tap Host Name, User Name, or Password under Incoming Mail Server or Outgoing Mail Server. Ask your network administrator or Internet service provider for the correct settings.

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<b>Adjust SSL and password settings</b>	Go to Settings > “Mail, Contacts, Calendars,” choose an account, then tap Advanced. Ask your network administrator or Internet service provider for the correct settings.
<b>Turn Archive Messages on or off (Google and iCloud accounts)</b>	Choose “Mail, Contacts, Calendars,” choose your Google or iCloud account, then turn Archive Messages on or off. See “Organizing Email” on page 79.
<b>Delete an account</b>	<p>Choose “Mail, Contacts, Calendars,” choose an account, then scroll down and tap Delete Account.</p> <p>Deleting an account means you can no longer access the account with your iPhone. All email and the contacts, calendar, and bookmark information synced with the account are removed from iPhone. However, deleting an account doesn’t remove the account or its associated information from your computer.</p>
<b>Send signed and encrypted messages</b>	<p>Go to Settings &gt; “Mail, Contacts, Calendars,” choose an account, then tap Advanced. Turn on S/MIME, then select certificates for signing and encrypting outgoing messages.</p> <p>To install identify certificates, obtain a configuration profile from your system administrator, or download certificates using Safari, or receive them in Mail attachments.</p>

## Mail

Mail settings, except where noted, apply to all accounts you’ve set up on iPhone.

### Set options for mail:

- Go to Settings > “Mail, Contacts, Calendars”. You can:
  - Set how many messages are downloaded at a time.
  - Set how many lines of each message are shown in the message list.
  - Set a minimum font size for messages.
  - Set whether To or Cc labels are shown in message lists.
  - Turn off message deletion confirmations.
  - Set whether messages are organized by thread.
  - Set whether you receive a copy of every message you send.
  - Add a signature to your messages.
  - Set whether to indent messages included in your reply.
  - Set the default email account for sending messages from apps, such as Photos or Maps.

To change the tone played when mail is received, go to Settings > Sounds.

### Fetch New Data

This setting lets you turn Push on or off for MobileMe, iCloud, Microsoft Exchange, Yahoo!, and any other push accounts on iPhone. Push accounts deliver new information to iPhone whenever new information appears on the server (some delays may occur) and there's an internet connection. You might want to turn Push off to suspend delivery of email and other information, or to conserve battery life.

When Push is off, and with accounts that don't support push, data can still be fetched—that is, iPhone can check with the server and see if new information is available. Use the Fetch New Data setting to determine how often data is requested. For optimal battery life, don't fetch too often.

#### Set Push settings:

- Choose "Mail, Contacts, Calendars" > Fetch New Data.

To conserve battery life, fetch less frequently. Setting Push to OFF (or setting Fetch to Manually on the Fetch New Data screen) overrides individual account settings.

# Safari

# 7



Safari lets you surf the web and view webpages on iPhone as if you were on your computer. Create bookmarks on iPhone and sync them with your computer. Add web clips to quickly access your favorite sites directly from the Home screen. Print webpages, PDFs, and other documents that open in Quick Look.

## Viewing Webpages

You can view webpages in either portrait or landscape orientation. Rotate iPhone and the webpage rotates too, automatically adjusting to fit the page.

## Opening Webpages

**Open a webpage:** Tap the address field (on the left side of the title bar), then type the web address and tap Go. If the address field isn't visible, tap the status bar at the top of the screen to quickly scroll to the address field at the top of the webpage.

As you type, web addresses that start with those letters appear. These are bookmarked pages or recent pages you've opened. Tap an address to go to that page. Keep typing if you want to enter a web address that's not in the list.

**Erase the text in the address field:** Tap the address field, then tap .

## Zooming and Scrolling

**Zoom in or out:** Double-tap a column on a webpage to expand the column. Double-tap again to zoom out.

You can also pinch to zoom in or out manually.










Scroll around a webpage	Drag up, down, or sideways. When scrolling, you can touch and drag anywhere on the page without activating any links.
Scroll within a frame on a webpage	Use two fingers to scroll within a frame on a webpage. Use one finger to scroll the entire webpage.
Scroll quickly to the top of a webpage	Tap the status bar at the top of the iPhone screen.

## Navigating Webpages

Links on webpages typically take you to another place on the web.

**Follow a link on a webpage:** Tap the link.


You can also use web links to make a phone call, display a location in Maps, play streaming audio, or create a preaddressed Mail message. To return to Safari after a link opens another app, press the Home  button and tap Safari.


See a link's destination address	Touch and hold the link. The address pops up next to your finger. You can touch and hold an image to see if it has a link.
Stop a webpage from loading	Tap  .
Reload a webpage	Tap  .
Return to the previous or next page	Tap  or  at the bottom of the screen.
Return to a recently viewed page	Tap  and tap History. To clear the history list, tap Clear.
Create a preaddressed Mail message	Touch and hold an email web link, then tap New Message.
Create a new or add to an existing contact	Touch and hold a web link containing contact information, then tap Create New Contact or Add to Existing Contact.
Send a webpage URL via email	Tap  and tap "Mail Link to this Page."
Save an image or photo to your Camera Roll album	Touch and hold the image, then tap Save Image.
View a webpage video on an Apple TV	Start playing the video, then tap  and choose Apple TV. If  doesn't appear or if you don't see the Apple TV you're looking for, make sure iPhone is on the same wireless network. When you finish, Tap  and choose iPhone from the list.

## Opening Multiple Pages

You can have up to eight pages open at a time. Some links automatically open a new page instead of replacing the current one.

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

 = one page is open

 = three pages are open

**Open a new page:** Tap  and tap New Page.

**Go to another page:** Tap  and flick left or right. Tap the page you want to view.

**Close a page:** Tap  and tap .

## Entering Text and Filling Out Forms

Some webpages have text fields and forms to fill out. You can set Safari to remember names and passwords of websites you visit and fill out text fields automatically with information from Contacts. In Settings, go to Safari > AutoFill.

Bring up the keyboard	Tap inside a text field.
Move to another text field	Tap another text field, or tap the Next or Previous button.
Submit a form	Once you finish filling out a form, tap Go or Search. Most pages also have a link you can tap to submit the form.
Close the keyboard without submitting the form	Tap Done.

**Enable AutoFill to help you fill out web forms:** In Settings, choose Safari > AutoFill, then do one of the following:

- *To use information from contacts*, turn Use Contact Info on, then choose My Info and select the contact you want to use.  
Safari uses information from Contacts to fill in contact fields on web forms.
- *To use information from names and passwords*, turn Names & Passwords on.  
When this feature is on, Safari remembers names and passwords of websites you visit and automatically fills in the information when you revisit the website.
- *To remove all AutoFill information*, tap Clear All.

## Searching

Use the search field to enter words and phrases for searching both the web and the current webpage. As you type, suggested and recent searches appear.

**Search the web:**

- 1 Tap the search field (on the right side of the title bar).

- 2 Type a word or phrase that describes what you're looking for, then tap a suggestion from the list or tap Search.
- 3 Tap a link in the list of search results to open a webpage.


**Find the search word or phrase on the current webpage:** Scroll to the bottom of the results list, then tap the entry below On This Page to find the first occurrence of the search word or phrase. To find subsequent occurrences, tap Next.

By default, Safari searches using Google. You can use other search engines.

**Set Safari to search using a different search engine:** In Settings, choose Safari > Search Engine, then choose a different search engine.

## Printing Webpages, PDFs, and Other Documents

You can print webpages, PDFs, and other documents that open in Quick Look from Safari.

**Print a webpage, PDF, or Quick Look document:** Tap , then tap Print. Tap Select Printer to select a printer, then set printer options such as number of copies and double-sided output (if the printer supports it). If you're printing a PDF or other Quick Look document, you may be able to set the range of pages you want to print. Then tap Print.

For more information, see "Printing" on page 37.

## Viewing Web Videos on a TV

You can view QuickTime and other supported web videos on a TV by connecting iPhone to your TV or AV receiver using an Apple Component AV Cable, Apple Composite AV Cable, Apple VGA Adapter, or Apple Digital AV Adapter (iPhone 4), or wirelessly using AirPlay and Apple TV. See "Watching Videos on a TV" on page 173.

## Bookmarks

You can bookmark webpages you want to return to later.

**Bookmark a webpage:** Open the page and tap . Then tap Add Bookmark.

When you save a bookmark you can edit its title. By default, bookmarks are saved at the top level of Bookmarks. Tap Bookmarks to choose another folder.

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


**Sync bookmarks with your computer:**


- 1 Connect iPhone to your computer.
- 2 In iTunes, select iPhone in the Devices list.



- 3 Click Info at the top of the screen, select “Sync ... bookmarks” under Other, then click Apply.

See “iPhone Settings Panes in iTunes” on page 55.

**Sync bookmarks with MobileMe:** In Settings on iPhone, select Bookmarks in your MobileMe account. See “Setting Up MobileMe Accounts” on page 23.

**Open a bookmarked webpage:** Tap , then choose a bookmark or tap a folder to see the bookmarks inside.


**Edit a bookmark or bookmark folder:** Tap , choose the folder that has the bookmark or folder you want to edit, then tap Edit. Then do one of the following:

- To make a new folder, tap New Folder.
- To delete a bookmark or folder, tap , then tap Delete.
- To reposition a bookmark or folder, drag .
- To edit the name or address, or to put it in a different folder, tap the bookmark or folder.

When you finish, tap Done.

## Web Clips

Add web clips to the Home screen for fast access to your favorite webpages. Web clips appear as icons on the Home screen, and you can arrange your web clips along with the other icons. See “Customizing the Home Screen” on page 30.



**Add a web clip:** Open the webpage and tap . Then tap “Add to Home Screen.”

When you open a web clip, Safari automatically zooms and scrolls to the area of the webpage that was displayed when you saved the web clip. The displayed area is also used to create the icon for the web clip on your Home screen, unless the webpage comes with its own custom icon.

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

Web clips aren’t bookmarks, and aren’t synced by MobileMe or iTunes.

**Delete a web clip:**

- 1 Touch and hold any icon on the Home screen until the icons start to jiggle.
- 2 Tap  in the corner of the web clip you want to delete.
- 3 Tap Delete, then press the Home  button to save your arrangement.

## Setting options

Para



# Music

# 8



Use the iPod app to enjoy your favorite music, widescreen videos, and more. Browse your content on iPhone by playlists, artists, songs, videos, or other categories, or browse your album artwork using Cover Flow. Play your music on AirPlay speakers or sound systems, or watch your videos on a TV using AirPlay and Apple TV.

## Getting Music, Videos, and More

There are two ways to get music, videos, and other content onto iPhone:

- Transfer music, videos, and more onto iPhone by syncing content from iTunes on your computer. You can sync all of your media, or you can select specific songs, videos, podcasts, and iTunes U collections. See “Syncing with iTunes” on page 53.
- Use the iTunes Store on iPhone to purchase and download songs, albums, TV shows, movies, music videos, ringtones, and audiobooks directly to iPhone. You can also stream and download audio and video podcasts, as well as iTunes U content. After listening to a podcast or watching a TV show, you can tap a built-in link to get more episodes from the iTunes Store. See Chapter 22, “iTunes Store,” on page 144.

## Music and Other Audio

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

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

## Playing Songs and Other Audio

You can browse content on iPhone by playlists, artists, songs, videos, and other categories, or browse your album artwork using Cover Flow. Playlist folders, which you can sync from iTunes, let you organize playlists into groups.

**Browse your collection:** Tap Playlists, Artists, or Songs. Tap More to browse Albums, Audiobooks, Compilations, Composers, Genres, iTunes U, Podcasts, or Videos.

You can replace the browse buttons at the bottom of the screen with buttons you use more frequently. Tap More, tap Edit, then drag an icon over the button you want to replace.

**Get more podcast episodes:** Tap Podcasts (tap More first, if Podcasts isn't visible), then tap a podcast to see a list of episodes. Tap "Get More Episodes..." to see a list of more episodes in the iTunes Store.

**Browse Genius Mixes:** Tap Genius (tap More first, if Genius isn't visible). If Genius doesn't appear, you need to turn on Genius in iTunes, and then sync iPhone with iTunes. See "Using Genius on iPhone" on page 96.

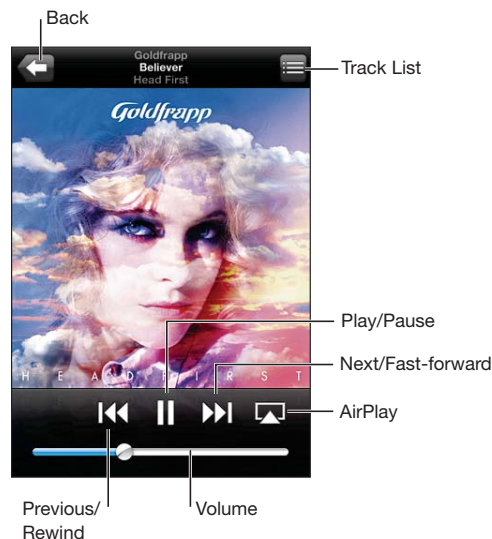
**Play a song:** Tap the song.

**Shake to shuffle:** Shake iPhone to turn shuffle on and change songs. Shake anytime to change to another song.

You can turn Shake to Shuffle on or off in Settings > Music.

## Controlling Audio Playback

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



Pause a song	Tap <b>⏸</b> , or press the center button on the iPhone earphones.
Resume playback	Tap <b>▶</b> , or press the center button on the iPhone earphones.
Raise or lower the volume	Drag the volume slider or use the buttons on the side of iPhone. You can also use the volume buttons on the iPhone earphones.
Play music on AirPlay speakers or Apple TV	Tap <b>📶</b> , then choose the speakers or Apple TV. If <b>📶</b> doesn't appear or if you don't see the AirPlay system you're looking for, make sure iPhone is on the same wireless network.
Switch from AirPlay back to iPhone	Tap <b>📶</b> and choose iPhone from the list.
Restart a song or a chapter in an audiobook or podcast	Tap <b>⏮</b> .
Skip to the next song or chapter in an audiobook or podcast	Tap <b>⏭</b> , or press the center button on the iPhone earphones twice quickly.
Go to the previous song or chapter in an audiobook or podcast	Tap <b>⏮</b> twice, or press the center button on the iPhone earphones three times quickly.
Rewind or fast-forward	Touch and hold <b>⏮</b> or <b>⏭</b> . The longer you hold the control, the faster the song rewinds or fast-forwards. On the iPhone earphones, press the center button twice quickly and hold to fast forward, or three times quickly and hold to rewind.
Return to the iPod browse lists	Tap <b>⏪</b> , or swipe to the right over the album artwork.
Return to the Now Playing screen	Tap Now Playing.
Display a song's lyrics	Tap the album artwork when playing a song. (Lyrics appear if you've added them to the song using the song's Info window in iTunes.)

**Display audio playback controls from another app:** Double-click the Home **⏏** button, then flick from left to right along the bottom of the screen.



The controls operate the currently playing app, or the most recent app that played, if the audio is paused. The icon for the active app appears on the right. You can tap the icon to open the app.

Flick right again to display an onscreen volume control and the AirPlay button (when in range of an Apple TV).

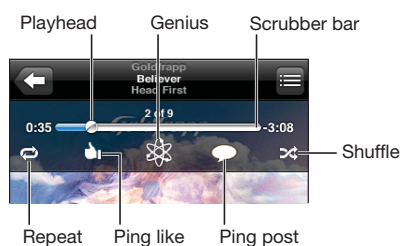
**Display audio playback controls from the Lock screen:** Double-click the Home button.

### Additional Audio Controls

To display additional controls, tap the album artwork on the Now Playing screen.

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

Use the scrubber bar to skip to any point along the timeline. You can adjust the scrub rate from high-speed to fine by sliding your finger down as you drag the playhead along the scrubber bar.



#### Set iPhone to repeat songs

Tap . Tap again to set iPhone to repeat only the current song.

= iPhone is set to repeat all songs in the current album or list.

= iPhone is set to repeat the current song over and over.

= iPhone isn't set to repeat songs.

#### Skip to any point in a song

Drag the playhead along the scrubber bar. Slide your finger down to adjust the scrub rate. The scrub rate becomes slower the farther down you slide your finger.






#### Tell your Ping followers you like a song

Tap .

= You've already said that you like this song.

#### Make a Genius playlist

Tap . The Genius playlist appears, with buttons that let you create a new Genius playlist, refresh the current one, or save the playlist. See "Using Genius on iPhone" on page 96.

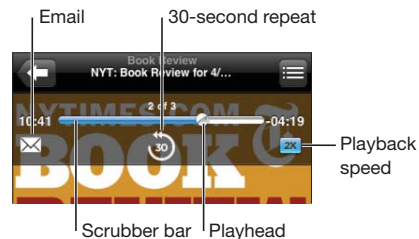
Post a Ping comment about a song	Tap  .
Set iPhone to shuffle songs	Tap  . Tap  again to set iPhone to play songs in order.  = iPhone is set to shuffle songs.  = iPhone is set to play songs in order.
Shuffle the tracks in any playlist, album, or other list of songs	Tap Shuffle at the top of the list. For example, to shuffle all the songs on iPhone, choose Songs > Shuffle. Whether or not iPhone is set to shuffle, if you tap Shuffle at the top of a list of songs, iPhone plays the songs from that list in random order.
Hide lyrics	In Settings, choose iPod, then turn Lyrics & Podcast Info off.



### Podcast and Audiobook Controls

Additional controls and information appear on the Now Playing screen when you begin playback.

The email, 30-second repeat, and playback speed controls appear along with the scrubber bar. You can see elapsed time, remaining time, and the episode or chapter number.

Use the scrubber bar to skip to any point along the timeline. You can adjust the scrub rate from high-speed to fine by sliding your finger down as you drag the playhead along the scrubber bar.




Send an email link to this podcast	Tap  .
Skip to any point	Drag the playhead along the scrubber bar. Slide your finger down to adjust the scrub rate. The scrub rate becomes slower the farther down you slide your finger.
Play back the last 30 seconds	Tap  .

Set the playback speed	Tap [1X]. Tap again to change the speed. [2X] = Play at double speed. [1/2X] = Play at half speed. [1X] = Play at normal speed.
Show or hide the controls	Tap in the center of the screen.
Hide podcast information	In Settings, choose iPod, then turn Lyrics & Podcast Info off.

## Using Voice Control with iPod

You can use Voice Control to control music playback on iPhone.

**Note:** Voice Control may not be available in all languages.

**Use Voice Control:** Press and hold the Home  button until the Voice Control screen appears and you hear a beep. Then use the commands described below to play songs.

You can also press and hold the center button on the iPhone earphones to bring up Voice Control.

Control music playback	Say “play” or “play music.” To pause, say “pause” or “pause music.” 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 currently playing song	Say “what’s playing,” “what song is this,” “who sings this song,” or “who is this song by.”
Use Genius to play similar songs	Say “Genius,” “play more like this,” or “play more songs like this.”
Cancel Voice Control	Say “cancel” or “stop.”

## Browsing Album Artwork in Cover Flow

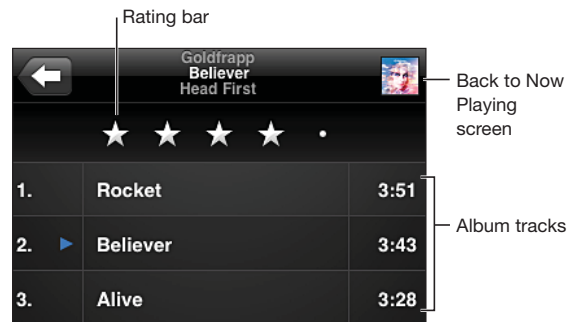
When you’re browsing music, you can rotate iPhone sideways to see your iTunes content in Cover Flow and browse your music by album artwork.



Browse album artwork	Drag left or right.
See the tracks on an album	Tap the album artwork or ⓘ.
Play any track	Tap the track. Drag up or down to scroll through the tracks.
Return to the artwork	Tap the title bar. Or tap ⓘ again.
Play or pause the current song	Tap ▶ or ⏸. You can also press the center button on the iPhone earphones.

### Viewing All Tracks on an Album

**See all the tracks on the album that contains the current song:** On the Now Playing screen, tap ☰. Tap a track to play it. Tap the album artwork thumbnail to return to the Now Playing screen.



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

**Rate a song:** Drag your finger across the rating bar to give the song zero to five stars.

### Searching Audio Content

You can search the titles, artists, albums, and composers of songs, podcasts, and other content you’ve synced to iPhone.

**Search music:** Enter text in the search field at the top of a song list, playlist, artist list, or other view of your iPod content. (Tap the status bar to scroll quickly to the top of a list and reveal the search field.)

Search results appear as you type. Tap Search to dismiss the keyboard and see more of the results.

Audio content is included in searches from the Home screen. See “Searching” on page 39.

## Using Genius on iPhone

Genius finds songs in your iTunes library that go great together. A Genius playlist is a collection of songs that are picked for you to go with a song you choose from your library. A Genius Mix is a selection of songs of the same kind of music. Genius Mixes are recreated each time you listen to them, so they're always new and fresh.

You can create Genius playlists in iTunes and sync them to iPhone. You can also create and save Genius playlists directly on iPhone.

Genius Mixes are created automatically for you by iTunes. iTunes creates different mixes depending on the variety of music you have in your iTunes library. For example, you may have Genius Mixes that highlight R&B songs, or Alternative Rock songs.

To use Genius on iPhone, first turn on Genius in iTunes, then sync iPhone with iTunes. Genius Mixes are synced automatically, unless you manually manage your music and choose which mixes you want to sync in iTunes. Genius is a free service, but it requires an Apple ID.

When you sync a Genius Mix, iTunes may select and sync songs from your library that you haven't specifically chosen to sync.

**Browse Genius Mixes:** Tap Genius (tap More first, if Genius isn't visible). The number of dots at the bottom of the screen shows the number of mixes you've synced from iTunes, and indicates which mix you're viewing. Flick left or right to access your other mixes.

**Play a Genius Mix:** Tap the mix or tap ►.

### Make a Genius playlist on iPhone:

- 1 Tap Playlists (tap More first, if Playlists isn't visible), then tap Genius Playlist.
- 2 Tap a song in the list. Genius creates a playlist with additional songs that go great with that song.

You can also make a Genius playlist of songs that go great with the song you're playing. Tap the album artwork on the Now Playing screen to display additional controls, then tap ⌘.

**Save a Genius playlist:** In the playlist, tap Save. The playlist is saved in Playlists with the title of the song you picked.

You can make and save as many Genius playlists as you want. If you save a Genius playlist created on iPhone, it syncs back to iTunes the next time you connect.

**Refresh a Genius playlist:** In the playlist, tap Refresh.

Refreshing a playlist creates a playlist of different songs that go great with the song you picked. You can refresh any Genius playlist, whether it was created in iTunes and synced to iPhone, or created directly on iPhone.



**Make a Genius playlist using a different song:** Tap Genius Playlist, then tap New and pick a song.

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

Once a Genius playlist is synced back to iTunes, you won't be able to delete it directly from iPhone. You can use iTunes to edit the playlist name, stop syncing, or delete the playlist.

## Creating Playlists




You can create and edit your own playlists on iPhone. You can also edit playlists synced from iTunes on your computer.

### Create a playlist:

- 1 Tap Playlists (tap More first, if Playlists isn't visible), then tap "Add Playlist..."
- 2 Type a name for your playlist, then tap Save.
- 3 Browse for songs using the buttons at the bottom of the screen. Tap any song or video to add it to the playlist. Tap Add All Songs at the top of any list of songs to add all the songs in the list.
- 4 When you finish, tap Done.

When you make a playlist and then sync iPhone to your computer, the playlist is synced to your iTunes library.

### Edit a playlist:

- 1 Tap Playlists (tap More first, if Playlists isn't visible), then tap the playlist you want to edit.
- 2 Tap Edit, then do one of the following:
  - To move a song higher or lower in the list, drag  next to the song.
  - To delete a song from the playlist, tap  next to a song, then tap Delete. Deleting a song from a playlist doesn't delete it from iPhone.
  - To add more songs, tap .
- 3 When you finish, tap Done.

When you edit a playlist and then sync iPhone to your computer, the playlist is synced to your iTunes library.

**Delete a playlist:** In Playlists, tap the playlist you want to delete, then tap Delete (scroll to the top of the list to reveal the Delete button). Confirm by tapping Delete Playlist.

**Clear a playlist:** In Playlists, tap the playlist you want to clear, then tap Clear (scroll to the top of the list to reveal the Clear button). Confirm by tapping Clear Playlist.

# Messages

# 9



## Sending and Receiving Messages

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

Messages supports text messages with other SMS, MMS, and other iOS devices running iOS 5, via iMessage. With MMS and iMessage, you can also include photos, videos, and other info.

iMessage lets you send unlimited messages over Wi-Fi or cellular connections to other iOS devices. You can see when the other person is typing, and let others be notified when you've read their messages. Messages are encrypted, and because iMessages are displayed on all of your iOS 5 devices logged into the same account, you can start a conversation on one of your iOS devices, then continued it on another.


**Note:** SMS and MMS require a cellular connection, and may not be available in all areas. Additional fees may apply.

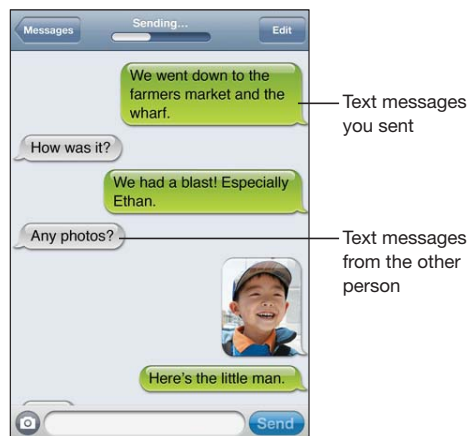
### Send a text message:


- 1 Open Messages, then tap .
- 2 Tap and choose a contact, or enter a phone number, name, or email address manually.
- 3 Tap the text field above the keyboard.
- 4 Enter a message, then tap Send.

**Note:** An alert badge appears if a message can't be sent. In a conversation, tap the alert to try sending the message again.

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





Reply to a message	Type your reply, then tap Send.
Resume a previous conversation	Tap the conversation in the Messages list, then enter a message and tap Send.
Display earlier messages in the conversation	Scroll to the top (tap the status bar) and tap Load Earlier Messages.
Start a conversation from Favorites or Recents	In Phone, tap Favorites or Recents. Tap  next to a name or number, then tap Text Message.
Receive texts at an email account	In Settings, choose Messages > Receive At > Add Another Email.
Call, FaceTime, or email someone	Tap a conversation in the Messages list, scroll to the top, then tap one of the buttons.
Follow a link in a message	Tap the link. A link may open a webpage in Safari, or make a phone call, for example.
Forward a conversation	Select a conversation, then tap Edit. Tap circles on the left to select parts to include, then tap Forward.
Add someone to your contacts list	Tap a phone number in the Messages list, then tap "Add to Contacts."

## Sending Messages to a Group

Group messaging (not available in all areas) lets you send a message to multiple recipients. Group messaging must be turned on (go to Settings > Messages), and requires MMS or iMessage

### Sending messages to a group:

- 1 Tap .
- 2 Tap  to choose contacts, or enter phone numbers, names, or email addresses manually.


If you enter a phone number manually, tap Return to add another recipient.

Replies are sent only to you—they aren't copied to the other people in the group.




## Including Photos, Videos, and More

With iMessage or MMS, you can include photos, videos, locations, contact info, and voice memos (MMS only).

### Send a photo or video:

- 1 Tap .
- 2 Tap "Take Photo or Video," or tap "Choose Existing."

The size limit of attachments is determined by your carrier. If necessary, iPhone may compress the photo or video.

Send a location	In Maps, tap  for a location, tap Share Location (bottom of screen), then tap Message.
Send contact info	In Contacts, choose a contact, tap Share Contact (bottom of screen), then tap Message.
Send a voice memo	In Voice Memos, tap  , tap the voice memo you want to send, tap Share, then tap Message.
Save a photo or video you receive to your Camera Roll album	Tap the photo or video in the conversation, tap  , then tap Save Image or Save Video.
Copy a photo or video	Touch and hold the attachment, then tap Copy.
Save contact information you receive	Tap the contact bubble, then tap Create New Contact or "Add to Existing Contact."

## Editing Conversations

If you want to keep just part of a conversation, you can delete the parts you don't want. You can also delete entire conversations from the Messages list.

### Edit a conversation:

- 1 Tap Edit.
- 2 Tap circles on the left to select parts to delete.
- 3 Tap Delete.

---

<b>Clear all text and attachments, without deleting the conversation</b>	Tap Edit, then tap Clear All.
<b>Forward a conversation</b>	Select a conversation, then tap Edit. Tap circles on the left to select parts to include, then tap Forward.
<b>Delete a conversation</b>	Swipe the conversation, then tap Delete.

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## Searching Messages

You can search the content of conversations in the Messages list.

### Search a conversation:

- 1 Tap the top of the screen to display the search field.
- 2 Enter the text you're looking for.

You can also search conversations from the Home screen. See “Searching” on page 39.

## Setting Options

In Settings, go to Messages to:

- turn iMessage on or off
- allow others to be notified when you have read their messages
- send a messages as SMS when iMessage is not available (fees may apply)
- add email addresses for iMessage
- turn MMS messaging on or off
- turn group messaging on or off
- set whether to include a subject field
- turn character count on or off

To manage notifications, see “Notifications” on page 158. To set the alert sound for incoming text messages, see “Sounds and the Ring/Silent Switch” on page 159.

# Calendar

# 10



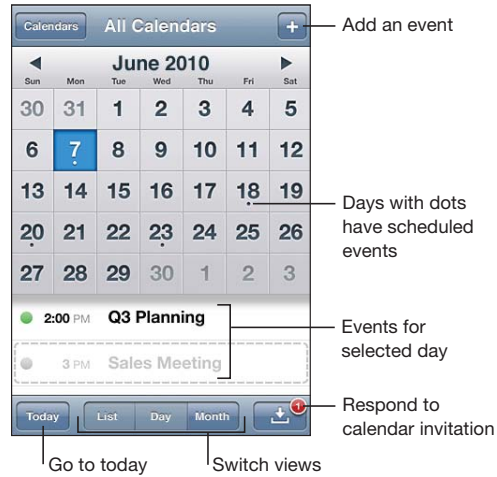
## About Calendar

Calendar makes it easy to stay on schedule. You can view individual calendars, or several calendars at once. You can view your events by day, by month, or in a list. You can search the titles, invitees, locations, and notes of events. If you've entered birthdays for your contacts, you can view those birthdays in Calendar.

You can sync calendars on your computer. You can also make, edit, or cancel events on iPhone, and sync them back to your computer. You can subscribe to Google, Yahoo!, or iCal calendars. If you have a Microsoft Exchange account, you can receive and respond to meeting invitations.

## Viewing your calendars

You can view calendars individually or as a combined calendar, making it easy to manage work and family calendars at the same time.



### Adjust event times for a selected time zone:

- 1 In Settings, choose “Mail, Contacts, Calendars.”
- 2 Under Calendars, tap Time Zone Support, then turn Time Zone Support on.
- 3 Tap Time Zone, then search for a major city in the time zone you want.

When Time Zone Support is on, Calendar displays event dates and times in the time zone of the city you selected. When Time Zone Support is off, Calendar displays events in the time zone of your current location as determined by the cellular network, if your device has a cellular connection and the network provides the time.

<b>Switch views</b>	Tap List, Day, or Month. To view the week, rotate iPhone sideways.
<b>View Birthday calendar</b>	Tap Calendars, then tap Birthdays to include birthdays from your Contacts with your events.
<b>See the details of an event</b>	Tap the event.
<b>Edit a calendar</b>	Tap Calendars, then tap Edit. You can change the name of the calendar and its color. To delete a calendar, tap Edit, then tap Delete Calendar.
<b>Select calendars to view</b>	Tap Calendars, then tap to select the calendars you want to view. The events for all selected calendars appear in a single calendar on iPhone.

## Adding events

You can create and update calendar events directly on iPhone.


### Add an event

- Tap **+** and enter event information, then tap Done.


You can also touch and hold to create a new event in an empty spot on a calendar. Drag the grab points to adjust the event's duration.

Set an alert	Set an alert from 5 minutes to two days before the event. To set a default alert for different types of events, go to Settings > Mail, Contacts, Calendar > Default Alert Times.
Update an event	Tap Edit and change event information. To quickly adjust an event's time or duration, touch and hold the event to select it, then drag it to a new time or use the grab handles to change its length.
Delete an event	Tap the event, tap Edit, then scroll down and tap Delete Event.
Invite others to an event	If you have a Microsoft Exchange account with Calendars enabled, an iCloud account, or a supported CalDAV account, you can invite other people to your event or meeting. Tap Invitees to select people from Contacts.

## Responding to invitations

If you have an iCloud, Microsoft Exchange or MobileMe account with Calendars enabled, or a supported CalDAV account, you can receive and respond to meeting invitations from people in your organization. When you receive an invitation, the meeting appears in your calendar with a dotted line around it.  appears in the lower-right corner of the screen.

### Respond to an invitation

- Tap a meeting invitation in the calendar, or tap  to display the Event screen and tap an invitation.



<b>See information about the organizer</b>	Tap “invitation from” to view the organizer’s contact information.
<b>See other invitees</b>	Tap Invitees. Tap a name to see their contact information.
<b>Add comments in reply</b>	Tap Add Comments, they will be visible to the organizer but not other attendees. Comments may not be available, depending on the calendar service you’re using.
<b>Set your availability</b>	Tap Availability and select “busy” or “free.” Busy identifies the time as being already reserved when others invite you to a meeting.

When you accept, tentatively accept, or decline the invitation, a response email that includes any comments you added is sent to the organizer.

If you accept or tentatively accept the meeting, you can change your response later. Tap Add Comments if you want to change your comments.

Meeting invitations are also sent in an email message, which lets you open the meeting’s Info screen from Mail.

## Searching calendars

In List view you can search the titles, invitees, locations, and notes fields of the events in your calendars. Calendar searches only the events for the calendars you’re currently viewing.

### Search for events

- Tap List then enter text in the search field.

Calendar events can also be included in searches from the Home screen. See “Searching” on page 39.

## Subscribing to calendars

You can subscribe to calendars that use the iCalendar (.ics) format. Many calendar-based services support calendar subscriptions, including Yahoo!, Google, and the Mac OS X iCal application.

Subscribed calendars are read-only. You can read events from subscribed calendars on iPhone, but you can’t edit them or create new events.

### Subscribe to a calendar:

- 1 In Settings, choose “Mail, Contacts, Calendars,” then tap Add Account.
- 2 Choose Other, then choose Add Subscribed Calendar.

- 3 Enter the server information, then tap Next to verify the subscription.
- 4 Tap Save.

You can also subscribe to an iCal (or other .ics) calendar published on the web by tapping a link to the calendar you receive in a message.

## Importing calendar events from Mail

You can add events to a calendar by importing a calendar file from an email message. You can import any standard .ics calendar file.

### Import events from a calendar file

- 1 In Mail, open the message and tap the calendar file.
- 2 When the list of events appears, tap Add All, choose the calendar you want to add the events to, and tap Done.

## Syncing calendars

You can sync Calendar in these ways:

- In iTunes, use the device settings panes to sync with iCal or Microsoft Entourage on a Mac, or Microsoft Outlook 2003, 2007, or 2010 on a PC, when you connect iPhone to your computer. See “iPhone Settings Panes in iTunes” on page 55.
- In Settings on iPhone, turn on Calendars in your MobileMe, Microsoft Exchange, Google, or Yahoo! accounts to sync your calendar information over the air, or set up a CalDAV account if your company or organization supports it. See “Adding Mail, Contacts, and Calendar Accounts” on page 23.

## Calendar accounts and settings

There are several settings you can select for Calendar and your calendar accounts. In Settings, go to “Mail, Contacts, Calendars.” You can set up:

- Microsoft Exchange calendars
- MobileMe calendars
- iCloud calendars

For information about adding accounts see [TK XREF TO GETTING STARTED](#)

### Adding a CalDAV account

- Go to Settings > “Mail, Contacts, Calendars,” tap Add an Account, then tap Other. Under Calendars, tap Add CalDAV Account

Ask your system administrator for the server and account information.

These options apply to all of your calendars:

<b>Sound alerts for invitations</b>	Go to Settings > “Mail, Contacts, Calendars.” Under Calendars, tap Default Alert Times to set alerts for different types of events.
<b>Set calendar alerts</b>	Go to Settings > Sounds > Calendar Alerts If Calendar Alerts is off when an event is about to occur, a message displays but makes no sound.
<b>Sync past events</b>	Go to “Mail, Contacts, Calendars” > Sync, then choose a period of time.
<b>Set alerts to sound when you receive a meeting invitation</b>	Go to “Mail, Contacts, Calendars,” and under Calendar, tap “New Invitation Alerts” to turn it on.
<b>Turn on Calendar time zone support</b>	Go to “Mail, Contacts, Calendars” > Time Zone Support, then turn Time Zone Support on. Select a time zone for calendars by tapping Time Zone and entering the name of a major city. When Time Zone Support is on, Calendar displays event dates and times in the time zone of the city you selected. When Time Zone Support is off, Calendar displays events in the time zone of your current location as determined by the network time.
<b>Set a default calendar</b>	Go to “Mail, Contacts, Calendars,” and under Calendar, tap Default Calendar to choose the default calendar for new events. This setting appears when more than one calendar is synced to iPhone.

**Important:** Some carriers don’t support network time in all locations. If you’re traveling, iPhone may not display events or sound alerts at the correct local time. To manually set the correct time, see “Date and Time” on page 166.

# Photos

# 11



## Viewing photos and videos

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



- Camera Roll album—shots you’ve taken with the built-in camera (see Chapter 12, “Camera,” on page 111), or saved from an email or text message, or webpage
- Photo Stream album—photos streamed via iCloud (see “Setting up iCloud” on page 51)
- Photo Library and other albums synced from your computer (see “Syncing with iTunes” on page 53)

### View photos and videos:

- 1 In Photos, tap an album.
- 2 Tap a thumbnail to see the photo or video in full screen.


Photos and videos you sync with iPhoto 8.0 (iLife '09) or later can be viewed by events or faces, or by location if they’re tagged with location data.

Show or hide the controls	Tap the full-screen photo or video.
See next or previous	Flick left or right.
Zoom in or out	Double-tap or pinch.
Pan a photo	Drag the photo.

Play a video	Tap  in the center of the screen.
View video in full screen, or fit video to screen	Double-tap.
Stream video to an HDTV	See “AirPrint” on page 37.
Delete items from the Camera Roll	Tap  , select items, then tap Delete.
Edit photos or trim videos	See “Editing photos” on page 113 and “Trimming videos” on page 113.

## Slideshows

### View a slideshow:



- 1 Tap an album to open it, then tap a photo and tap .
- 2 Select slideshow options.
- 3 Tap Start Slideshow.


Stream slideshow to an HDTV	See “AirPrint” on page 37.
Stop a slideshow	Tap the screen.

You can set additional options for slideshow playback in Settings > Photos.



## Sharing photos and videos

### Send a photo or video in an email, or an iMessage or MMS text message:

- 1 Choose a photo or video, then tap .  
If you don't see , tap the screen to show the controls.
- 2 Tap Email or Message.

**Send multiple photos or videos at the same time:** When viewing thumbnails, tap , select the photos or videos, then tap Share.

Your carrier determines the size limit of attachments. iPhone may compress photos and videos.


Save a photo or video from an email message	Tap to download the item if necessary, then tap the photo or touch and hold the video, and tap Save.
Save a photo or video from an MMS text message:	Tap the image in the conversation, tap  , and tap Save. If you don't see  , tap the screen to show the controls.
Save a photo from a webpage	Touch and hold the photo, then tap Save Image.

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

## Copying and pasting

**Copy a photo or video:** Hold your finger on the screen until the Copy button appears, then tap Copy.

**Copy multiple photos or videos:**

- 1 Tap  in the upper-right corner of the screen.
- 2 Tap to select the photos and videos you want to copy.
- 3 Tap Copy.

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**Paste a photo or video in an email or MMS**

Tap to place the insertion point where you want to place the photo or video, then tap the insertion point and tap Paste.

---

## YouTube


**Publish a video to your YouTube account:**

- 1 While viewing a video, tap , then tap “Send to YouTube.”
- 2 Sign in to your YouTube account.
- 3 Enter publishing information such as title, description, and tags.
- 4 Tap Category to choose a category, then tap Publish.

Some videos may not be transferable, depending on their length or other factors.

## Printing photos

**Print a photo:** Tap , then tap Print.

**Print multiple photos:** While viewing a photo album, tap . Select the photos you want to print, then tap Print.

For more information, see “Printing” on page 37.

## Setting options

In Settings, go to Photos to:

- Turn Photo Stream on or off
- Set slideshow options
- Set whether to keep normal photos when using HDR

# Camera



## About Camera


With iPhone, you have both a still and video camera. iPhone 3GS and iPhone 4 include a front camera for FaceTime and self portraits (in addition to the main camera on the back), and an LED flash.








If location services is turned on, photos and videos are tagged with location data that can be used with some apps and photo-sharing websites.

**Note:** If location services is turned off when you open Camera, you may be asked to turn it on. If you don't want to include location data with your photos and videos, you can use Camera without turning on location services. See "Location Services" on page 157.

## Taking photos and videos

You can quickly open Camera when the screen is locked by double-clicking the Home button, then tapping .


**Take a photo:** Make sure the Camera/Video switch is set to , then aim iPhone and tap . You can also take a photo by pressing the up volume button (handy when shooting in landscape orientation).

**Record a video:** Slide the Camera/Video switch to , then tap  to start recording. Tap  again to stop recording. You can also press the center button on the iPhone earphones to start or stop recording.


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

**Note:** In some areas, the shutter sound is *not* silenced by the Ring/Silent switch.

A rectangle shows where the camera is focused and setting the exposure.


Show or hide the controls	Tap the full-screen photo or video.
Zoom in or out	Tap the screen, then drag the slider at the bottom of the screen to zoom in or out (main camera, in camera mode only).
Take a screenshot	Quickly press and release the On/Off and Home  buttons at the same time. A flash of the screen lets you know the screenshot was taken. The screenshot is added to the Camera Roll album.

## HDR photos

HDR (  and iPhone 4) blends the best parts of three separate exposures into a single "high dynamic range" photo. For best results, iPhone and the subject should be stationary.

**Turn on HDR:** Tap Option, then set HDR.



When HDR is on, the flash is turned off. To keep the normal photo in addition to the HDR version, go to Settings > Photos. When both versions are kept,  HDR appears in the upper-left corner of the HDR photo when viewed in Camera Roll (and the controls are visible).

## Viewing and sharing photos and videos

The photos and videos you take with Camera are saved in the Camera Roll album.



**View the Camera Roll:** In Camera, tap the thumbnail image in the lower-left corner of the screen. You can also view the Camera Roll in Photos.

If you have Photo Stream turn on (Settings > iCloud), new photos and videos also appear in the Photo Stream album in Photos, and are streamed to all your other devices using Photo Stream.

For more information about viewing and sharing photos and videos, see Chapter 11, “Photos,” on page 108 and “Uploading photos and videos to your computer” on page 114.

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**Delete a photo or video**

Tap . If you don't see , tap the screen to display the controls.

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## Editing photos

You can rotate, enhance, remove red-eye, and crop photos.

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**Edit a photo:** Tap Edit, then choose a tool. Tap Save when you finish.

With the red-eye tool, tap each red-eye to correct. To crop, drag the corners of the grid, drag the photo to reposition it, then tap Crop. You can also tap Constrain when cropping to set a specific ratio.

## Trimming videos

You can trim the frames from the beginning and end of a video that you just recorded, or any other video in the Camera Roll album. You can replace the original video or save the trimmed version as a new video clip.

**Trim a video:**

- 1 While viewing a video, tap the screen to display the controls.
- 2 Drag either end of the frame viewer at the top of the video, then tap Trim.
- 3 Tap Trim Original or “Save as New Clip.”

*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 the Camera Roll album and the original video is unaffected.

## Uploading photos and videos to your computer

You can upload the photos and videos you take with Camera to photo applications on your computer, such as iPhoto on a Mac.

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

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

If you delete the photos and videos from iPhone when you upload them to your computer, they're removed from the Camera Roll album. You can use the Photos settings pane in iTunes to sync photos and videos to the Photos app on iPhone (videos can be synced with Macs only). See “Syncing with iTunes” on page 53.

# YouTube

# 13



## About YouTube

YouTube lets you watch short videos submitted by people from around the world. Some YouTube features require a YouTube account. To set up an account, go to [www.youtube.com](http://www.youtube.com).

**Note:** YouTube may not be available in all languages and locations.

### Search for a video:

- 1 Tap Search (tap More first, if Search isn't visible), then tap the YouTube search field.
- 2 Type a word or phrase that describes what you're looking for, then tap Search.

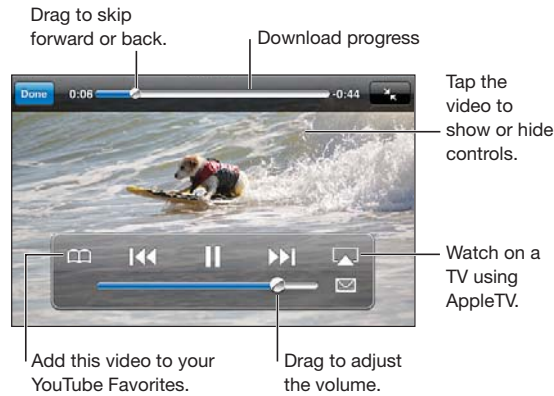
YouTube shows results based on video titles, descriptions, tags, and user names. Listed videos show title, rating, number of views, length, and the account name that posted the video.

## Playing Videos

### Watch a video:

- Tap any video as you browse. Playback starts when enough of the video is downloaded to iPhone. The shaded portion of the scrubber bar shows download progress.

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<b>Pause or resume playback</b>	Tap <b>⏸</b> or <b>▶</b> . You can also press the center button on the iPhone earphones.
<b>Start again from the beginning</b>	Tap <b>⏮</b> while the video is playing. If you've watched less than five seconds of the video, you'll skip instead to the previous video in the list.
<b>Scan forward or back</b>	Touch and hold <b>⏮</b> or <b>⏭</b> .
<b>Skip to any point</b>	Drag the playhead along the scrubber bar.
<b>Skip to the next or previous video in a list</b>	Tap <b>⏭</b> to skip to the next video. Tap <b>⏮</b> twice to skip to the previous video. If you've watched less than five seconds of the video, tap only once.)
<b>Switch between fill screen and fit screen</b>	Double-tap the video. You can also tap <b>⏴</b> to make the video fill the screen, or tap <b>⏵</b> to make it fit the screen.
<b>Stop watching a video</b>	Tap Done.

## Browsing and Searching for Videos

### Browse videos:

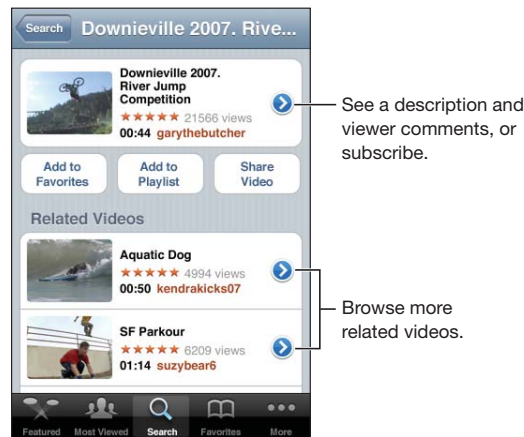
- Tap any browse button at the bottom of the screen, or tap More to see additional browse buttons. If you're watching a video, tap Done to see the browse buttons.

Change the browse buttons	Tap More, then tap Edit. Drag a button to the bottom of the screen, over the button you want to replace. Drag a button left or right to move it. When you're finished, tap Done.
Browse related videos	Tap  next to any video in a list.
See more videos submitted by the same account	Tap  next to the current video (at the top of the screen), then tap More Videos.
Search for a video	Tap Search at the bottom of the screen, then tap the search field.

## Watching YouTube on a TV







You can watch YouTube videos, including videos in HD format (iPhone 4), on a TV by connecting iPhone to your TV or AV receiver using an Apple Component AV Cable, Apple Composite AV Cable, Apple VGA Adapter, or Apple Digital AV Adapter (iPhone 4), or wirelessly by using AirPlay and Apple TV. See “UNRESOLVABLE CROSS-REFERENCE” on page ###.

## Keeping Track of Videos You Like




Add a video to your list of favorites or to a playlist:

- Tap  next to a video to see buttons for adding the video to a list.



<b>Add a video to Favorites</b>	Tap “Add to Favorites.” If you’re watching the video, tap  .
<b>Add a video to a playlist</b>	Tap “Add to Playlist” on the video information screen, then tap an existing playlist or tap  to create a new playlist.
<b>Delete a favorite</b>	Tap Favorites, tap Edit, and then tap  next to the video.
<b>Delete a video from a playlist</b>	Tap Playlists, tap the playlist, tap Edit, and then tap  .
<b>Delete an entire playlist</b>	Tap Playlists, tap a playlist, tap Edit, and then tap  .
<b>Subscribe to an account</b>	Tap  next to the current video (above the Related Videos list). Then tap More Videos, scroll to the bottom of the list, and tap “Subscribe to account.”
<b>Unsubscribe from an account</b>	Tap Subscriptions (tap More first if you don’t see it), tap an account in the list, and then tap Unsubscribe.

## Sharing Videos, Comments, and Ratings

Tap  next to the video to show the video’s comments, description, date added, and other information.

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### Email a link to a video:

- Tap  next to a video and tap Share Video. Or, if you’re watching the video, just tap .

### Rate or comment on a video:

- On the More Info screen, tap “Rate, Comment, or Flag,” then choose “Rate or Comment.”

## Getting More Information About a Video

### View a description of the video and viewer comments:

- Tap  next to the video in a list, then tap  again when it appears at the top of the screen.

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## Sending Videos to YouTube

If you have a YouTube account, you can send videos directly to YouTube. See “YouTube” on page 110.

# Stocks

# 14



## Viewing Stock Quotes

Stocks lets you see the latest available quotes for your selected stocks, funds, and indexes.

Quotes are updated every time you open Stocks when connected to the Internet. Quotes may be delayed by up to 20 minutes or more, depending upon the reporting service.

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

- 1 Tap ⓘ, then tap +.
- 2 Enter a symbol, company name, fund name, or index, then tap Search.
- 3 Select an item from the search results and tap Done.

**View charts in landscape orientation:** Rotate iPhone sideways. Flick left or right to view the other charts in your stock reader.

**Show the progress of a stock, fund, or index over time:** Tap the stock, fund, or index in your list, then tap 1d, 1w, 1m, 3m, 6m, 1y, or 2y. The chart adjusts to show progress over one day, one week, one month, three months, six months, one year, or two years.

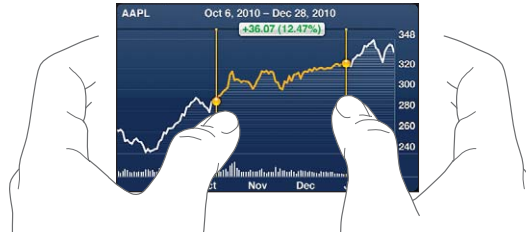
When you view a chart in landscape orientation, you can touch the chart to display the value for a specific point in time.





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Use two fingers to see the change in value over a specific period of time.



**Delete a stock:** Tap ⓘ and tap ⓧ next to a stock, then tap Delete.

**Change the order of the list:** Tap ⓘ. Then drag ≡ next to a stock or index to a new place in the list.

**Switch the view to percentage change, price change, or market capitalization:** Tap any of the values along the right side of the screen. Tap again to switch to another view. Or tap ⓘ and tap %, Price, or Mkt Cap, then tap Done.

## Getting More Information

**See the summary, chart, or news page about a stock, fund, or index:** Select the stock, fund, or index in your list, then flick the pages underneath the stock reader to view the summary, chart, or recent news page.

On the news page, you can scroll up and down to read headlines, or tap a headline to view the article in Safari.

**See more information at Yahoo.com:** Select the stock, fund, or index in your list, then tap 🌐!.

# Maps



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

Maps provides street maps, satellite photos, a hybrid view, and street views of locations in many of the world's countries and regions. You can get traffic information and detailed driving, public transit, or walking directions. Find and track your current (approximate) location, and use your current location to get driving directions to or from another place. The built-in digital compass lets you see which way you're facing.

**Important:** Maps, directions, and location-based apps depend on data services. These data services are subject to change and may not be available in all geographic areas, resulting in maps, directions, or location-based information that may be unavailable, inaccurate, or incomplete. Compare the information provided on iPhone to your surroundings, and defer to posted signs to resolve any discrepancies.

If location services is turned off when you open Maps, you may be asked to turn it on. You can use Maps without turning on location services. See "Location Services" on page 157.

## Finding and Viewing Locations

You can search for locations, get your current location, mark a location with the drop pin, and get satellite and Google Street Views.

### Searching for Locations

You can search for locations in many ways—by address, intersection, area, landmark, bookmark, contact, or zip code, for example.

#### Find a location and see a map:


- 1 Tap the search field to bring up the keyboard.


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- 2 Type an address or other search information.
- 3 Tap Search.

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



Tap  to get information about the location, get directions, add the location to your bookmarks or contacts list, or email a link to Google Maps.

Locations can include places of interest added by Google My Maps users (“User-created content”), and sponsored links that appear as special icons (for example, ).

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**Zoom in to a part of a map**

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

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**Zoom out**

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

---

**Pan or scroll to another part of the map**

Drag up, down, left, or right.

---

**See the location of a contact’s address:** Tap  in the search field, then tap Contacts and choose a contact.

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


### Finding Your Current Location


A quick tap finds your current (approximate) location.

Find your current location and turn on tracking mode: Tap .




Your current location is shown by a blue marker. If your location can't be determined precisely, a blue circle also appears around the marker. The size of the circle depends on how precisely your location can be determined—the smaller the circle, the greater the precision.

As you move around, iPhone updates your location, adjusting the map so that the location indicator remains in the center of the screen. If you tap  again until it is no longer highlighted, or if you drag the map, iPhone continues to update your location but stops centering it, so the location information may move off the screen.

iPhone uses location services to determine your location. Location services uses available information from cellular network data, local Wi-Fi networks (if Wi-Fi is turned on), and GPS (may not be available in all locations). When an app is using location services,  appears in the status bar. Location services may not be available in all countries or regions.



If location services is turned off, you'll be prompted to turn it on. You can't find and track your current location if location services is turned off. See "Location Services" on page 157.

To conserve battery life, turn location services off when you're not using it. In Settings, choose Location Services.

**Get information about your current location:** Tap the blue marker, then tap . iPhone displays the address of your current location, if available. You can use this information to:

- Get directions
- Add the location to contacts
- Send the address via email or MMS

- Bookmark the location

**Show which way you're facing:** Tap  again. (The icon changes to ) Maps uses the built-in compass to determine which way you're facing. The angle shows the accuracy of the compass reading—the smaller the angle, the greater the accuracy.

Maps uses true north to determine your heading, even if magnetic north is set in Compass. If the compass needs calibrating, iPhone asks you to wave the phone in a figure eight. If there's interference, you may be asked to move from the source of interference. See Chapter 28, "Compass," on page 181.

### Marking a Location with the Drop Pin

The drop pin lets you mark a location by hand.

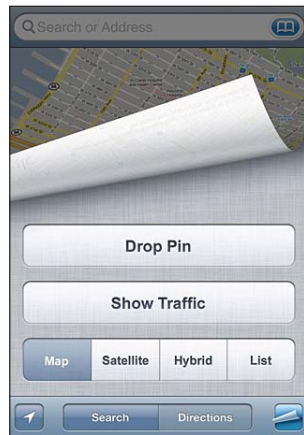
**Mark a location:** Touch and hold the location on the map.


The drop pin appears where you're touching the map.

**Move the drop pin:** Touch and hold, then drag the pin to a new location, or touch and hold a new location until a new pin drops, replacing the previous one.


### Satellite View and Street View

You can see a satellite view of a map, or a combined satellite and street map view. You can also see a Google Street View of a location.



**See a satellite view or hybrid view:** Tap , then tap Satellite or Hybrid to see just a satellite view or a combined street map and satellite view.

To return to map view, tap Map.

**See the Google Street View of a location:** Tap . Flick left or right to pan through the 360° panoramic view. (The inset shows your current view.) Tap an arrow to move down the street. To return to map view, tap the map inset in the lower-right corner.





Tap to return to map view

Street View may not be available in all areas.




## Getting Directions

You can get step-by-step directions for driving, taking public transit, or walking to a destination.

### Get directions:

- 1 Tap Directions.
- 2 Enter starting and ending locations in the Start and End fields. By default, iPhone starts with your current approximate location (if available). Tap  in either field to choose a location in Bookmarks (including your current location and the dropped pin, if available), Recents, or Contacts. If  isn't showing, delete the contents of the field.


To reverse the directions, tap .

- 3 Tap Route (if you entered locations manually), then select directions by car () , directions by public transit () , or directions by walking () .



The travel options available depend on the route.

- 4 Do one of the following:

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- To view all the directions in a list, tap , then tap List. Tap any item in the list to see a map showing that leg of the trip. Tap Route Overview to return to the overview screen.







- To view directions one step at a time, tap Start, then tap  to see the next leg of the trip. Tap  to go back.

5 If multiple routes appear, choose the one you want to use.

If you're driving or walking, the approximate distance and travel time appear at the top of the screen. If traffic data is available, the driving time is adjusted accordingly.

If you're taking public transit, the overview screen shows each leg of the trip and the mode of transportation, including where you need to walk. The top of the screen shows the time of the bus or train at the first stop, the estimated arrival time, and the total fare. Tap  to set your departure or arrival time, and to choose a schedule for the trip. Tap the icon at a stop to see the departure time for that bus or train, and to get a link to the transit provider's website or contact info. When you tap Start and step through the route, detailed information about each leg of the trip appears at the top of the screen.

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

Switch start and end points, for reverse directions	Tap  If you don't see  , tap Edit.
See recently viewed directions	Tap  in the search field, then tap Recents.
xxx	yyy

## Showing Traffic Conditions

When available, you can show traffic conditions for major streets and highways on the map.

**Show or hide traffic conditions:** Tap , then tap Show Traffic or Hide Traffic.

Streets and highways are color-coded to indicate the flow of traffic:

If you don't see traffic, you may need to zoom out to a level where you can see major roads. Traffic conditions are not available in all areas.

## Finding and Contacting Businesses

**Find businesses in an area:**


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

Pins appear for matching locations in the area. For example, if you locate your city and then type “movies” and tap Search, pins mark movie theaters in your city.

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

**Find businesses without finding the location first:** Type things like:

- restaurants san francisco ca
- apple inc new york

**Contact a business or get directions:** Tap the pin that marks a business, then tap  next to the name.

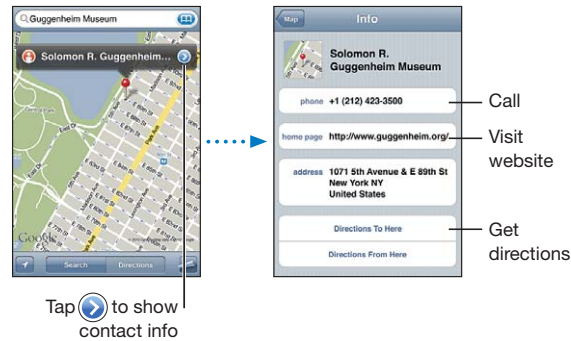
From there, you can do the following:

- Tap a phone number to call, an email address to send email to, or a web address to visit.
- For directions, tap Directions To Here or Directions From Here.
- To add the business to your contacts list, tap “Add to Contacts” at the bottom of the screen, then tap “Create New Contact” or “Add to Existing Contact.”
- Share the location of the business by email or text message.

**See a list of the businesses found in the search:** From the Map screen, tap List.





Tap a business to see its location. Or tap  next to a business to see its information.




## Sharing Location Information

You can add a location you've found to your contacts list. You can also send links to a Google Maps location using email or MMS.


**Add a location to your contacts list:** Find a location, tap the pin that points to it, tap  next to the name or description, then tap "Add to Contacts" at the bottom of the screen and tap "Create New Contact" or "Add to Existing Contact."


**Email a link to a Google Maps location:** Find a location, tap the pin that points to it, tap  next to the name or description, then tap Share Location at the bottom of the screen and tap Email.

**Send a link via MMS to a Google Maps location:** Find a location, tap the pin that points to it, tap  next to the name or description, then tap Share Location at the bottom of the screen and tap MMS.

## Bookmarking Locations

You can bookmark locations that you want to find again later.

**Bookmark a location:** Find a location, tap the pin that points to it, tap  next to the name or description, then tap "Add to Bookmarks" at the bottom of the Info screen.

**See a bookmarked location or recently viewed location:** Tap  in the search field, then tap Bookmarks or Recents.

# Weather

# 16



## Viewing Weather Summaries

Tap Weather on the Home screen to get the current temperature and six-day forecast for one or more cities around the world.



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

### Add a city:

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

**Switch to another city:** Flick left or right, or tap to the left or right of the row of dots. The number of dots below the weather board shows how many cities are stored.

**Reorder cities:** Tap ⓘ, then drag ≡ next to a city to a new place in the list.

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**Delete a city:** Tap ⓘ and tap ⓧ next to a city, then tap Delete.

**Display the temperature in Fahrenheit or Celsius:** Tap ⓘ, then tap °F or °C.

## Getting More Weather Information

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

**See information about a city at Yahoo.com:** Tap ⓘ!

# Notes

# 17



## About Notes

You can type notes on iPhone and use iCloud to make them available on all of your other devices. If you also create notes in other accounts such as Gmail or Yahoo, you can read them all in Notes on your iPhone.

## Writing Notes

### Add a note:

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

---

#### Create a note in a specific account

Tap Accounts and select the account before you tap **+**.

---

#### Set the default account for new notes

If you tap **+** while viewing All Notes, the note is created in the default account you select in Settings > Notes.


---

## Reading and Editing Notes

Notes are listed with the most recent at the top. If you use more than one device with your iCloud account, notes from all devices are listed. If you share notes with an application on your computer or with other online accounts, those notes are organized by account.

### Read a note:

- Tap the note in the list. To see the next or previous note, tap **➡** or **⬅**

Change the font	Settings > Notes
See notes in a specific account	Tap Accounts and choose the account.
See notes in all accounts	Tap Accounts and choose All Notes.
Edit a note	Tap anywhere on the note to bring up the keyboard.
Delete a note:	While reading the note, tap  .

## Searching Notes

You can search the full text of all your notes.

### Search for notes:


- While viewing a list of notes, scroll to the top of the list to see the search field, then tap in the field and type what you're searching for.

You can also search for Notes from the Home screen. See "Searching" on page 39.

## Printing or Emailing Notes

To email a note, iPhone must be set up for email. See "Setting Up Email Accounts" on page 74.

### Print or Email a note:

- While reading the note, tap .

# Reminders

-----

## Sample Print Section

Para

## Sample AppleTopic Section

Para

**Task:**

1 Para

2 Para

Para

# Clock

# 19



## World Clocks

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

**View clocks:** Tap World Clock.

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

### Add a clock:

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

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

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

**Rearrange clocks:** Tap World Clock and tap Edit. Then drag **≡** next to a clock to a new place in the list.


## Alarms

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

### Set an alarm:

- 1 Tap Alarm and tap **+**.
- 2 Adjust any of the following settings:


- *To set the alarm to repeat on certain days*, tap Repeat and choose the days.
- *To choose the ringtone that sounds when the alarm goes off*, tap Sound.
- *To set whether the alarm gives you the option to hit snooze*, turn Snooze on or off. If Snooze is on and you tap Snooze when the alarm sounds, the alarm stops and then sounds again in ten minutes.
- *To give the alarm a description*, tap Label. iPhone displays the label when the alarm sounds.


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

**Important:** Some carriers don't support network time in all locations. If you're traveling, iPhone alerts may not sound at the correct local time. See "Date and Time" on page 166.

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

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

**Change settings for an alarm:** Tap Alarm and tap Edit, then tap  next to the alarm you want to change.

**Delete an alarm:** Tap Alarm and tap Edit, then tap  next to the alarm and tap Delete.

## Stopwatch

**Use the stopwatch to time an event:**

- 1 Tap Stopwatch.
- 2 Tap Start to start the stopwatch.
  - *To record lap times*, tap Lap after each lap.
  - *To pause the stopwatch*, tap Stop. Tap Start to resume.
  - *To reset the stopwatch*, tap Reset when the stopwatch is paused.

If you start the stopwatch and switch to another app, the stopwatch keeps running.

## Timer

**Set the timer:** Tap Timer, then flick to set the number of hours and minutes. Tap Start to start the timer.

**Choose the sound:** Tap When Timer Ends.

**Set a sleep timer:** Set the timer, then tap When Timer Ends and choose Sleep iPod. When you set a sleep timer, iPhone stops playing music or video when the timer ends.



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If you start the timer and then switch to another iPhone app, the timer keeps running.

# Game Center

# 20



## About Game Center

Discover new games and share your game experiences with friends around the world in Game Center. Invite friends to play, or use auto-match to find other worthy opponents. Earn bonus points by achieving specific accomplishments in a game, and check leaderboards to see who the best players are.

**Note:** Game Center may not be available in all countries or regions, and the available games may vary by country or region.

To use Game Center, you need an Internet connection and an Apple ID. If you already have an iTunes Store, MobileMe, or other Apple account, you can use that Apple ID with Game Center. If you don't already have an Apple account, you can create a new one in Game Center, as described below.



## Signing In to Game Center

### Sign in:

- Open Game Center. If you see your nickname and photo at the top of the screen, you're already signed in. Otherwise, enter your Apple ID and password, and then tap Sign In.

---

### Sign out

Tap Me, tap the Account banner, and tap Sign Out.

---

## Playing Games

### Play a game:

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

---

### Invite a friend to a multiplayer game

Tap Friends, choose a friend, choose a game, and tap Play. If the game allows or requires additional players, you can choose players to invite, then tap Next. Enter and send your invitation, then wait for the others to accept. When everyone is ready, start the game.

If a friend isn't available or doesn't respond to your invitation, you can tap Auto-Match to have Game Center find another player for you, or tap Invite Friend to try inviting some other friend.

---

### Invite a friend to a multiplayer game

Tap Friends, choose a friend, choose a game, and tap Play. If the game allows or requires additional players, you can choose players to invite, then tap Next. Enter and send your invitation, then wait for the others to accept. When everyone is ready, start the game.

If a friend isn't available or doesn't respond to your invitation, you can tap Auto-Match to have Game Center find another player for you, or tap Invite Friend to try inviting some other friend.

---

### Get information about a game

Tap Games, then tap a game. If available, you can display the game's leaderboards, see your achievements for the game, and find out who's recently played the game.

---

### See a list of top scorers

Tap Games, then choose the game and tap Leaderboard.

---

### See the achievements you can try for

Tap Games, choose a game, then tap Achievements.

---

### Return to Game Center after play

Press the Home button, then tap Game Center on the Home screen.

---

If you turn off Multiplayer Games in Settings, you can't send or receive invitations to play games. See "Restrictions" on page 165. You can prevent other players from inviting you to play games by turning off Allow Game Invites in Game Center settings. See "Your Status and Account Information" on page 142.

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

You can also press the Home button twice quickly, then tap Game Center in the list of recent apps.

## Purchasing and Downloading Games

The Game Center section of App Store shows the games that work with Game Center.

**Purchase and download games:** Tap Games, then tap Find Game Center Games.


You can browse this section, and purchase and download games from it. If you haven't entered credit card information for your Apple ID, you're prompted to enter it before you purchase and download games. See Chapter 23, "App Store," on page 151.

If you want to purchase a game that a friend has, tap the game on your friend's info screen to go directly to that game in the App Store.

## Playing with Friends

Game Center can put you in contact with players around the world. You add friends to Game Center by making a request, or by accepting a request from another player.

**Send a friend request:**

- Tap Friends or Requests, Tap +, and then enter a friend's email address or Game Center nickname. Tap  to browse your contacts. To add another address, type Return, then type the address.

As people accept your request, they are added to your list of friends.

<b>Respond to a friend request</b>	Tap Requests, tap the name of the person making the request, then tap Accept, Ignore, or Report a Problem.
<b>Get information about a friend</b>	Tap the friend's name.
<b>Search for a friend</b>	Tap the status bar to scroll to the top of the screen, then tap the search field and start typing.
<b>Invite a friend to play a game</b>	Tap Friends, tap the friend's name, tap a game, then tap Play. See "Playing Games" on page 139.

<b>Remove a friend</b>	Tap Friends, tap a name, then tap Unfriend and tap Remove.
<b>Report a problem with a friend</b>	Tap Friends, tap the friend's name, then tap "Report a Problem."

## Game Center Settings

Some Game Center settings are associated with the Apple ID you sign in with, while others are in the Settings app on your iPhone.

**Allow notifications:** Tap OK.

If you tap Don't Allow, you won't receive notifications for Game Center. You can turn notifications on at a later time if you want, and you can specify what kinds of notifications you want to get.

**Turn notifications on or off:** In Settings, choose Notifications. Turning off Notifications disables all notifications for all apps.

**Specify which notifications you want for Game Center:** In Settings, choose Notifications > Game Center, then configure the Sounds, Alerts, and Badges settings. If Game Center doesn't appear, turn on Notifications.

**Change Game Center settings for your Apple ID:**

- 1 Sign in with your Apple ID, tap Me, tap the Account banner, and then choose View Account.  
You may be asked to provide additional information. If you don't have an Apple ID, you can create one by tapping Create New Account.
- 2 Tap Agree to accept the Game Center Terms & Conditions.
- 3 Enter a nickname—the name others will see and know you by.
- 4 Configure your Game Center settings:
  - To allow other users to invite you to play a game, leave Allow Game Invites turned on. Otherwise, tap to turn it off.
  - To allow other users to find you by your email address, leave Find Me By Email turned on. Otherwise, tap to turn it off.
  - Verify your account email. You can enter a different address if you don't want to use the one from the Apple account you used to sign in. To confirm this address as yours, you'll need to respond to the email that is sent to that address.
  - To add more email addresses that people can use to contact you in Game Center, tap Add Another Email.
- 5 Tap Next when your account is configured.

**Change Game Center settings for your Apple ID:**

- 1 Tap Me at the bottom of the screen, then tap your account banner.
- 2 Tap View Account.
- 3 Make your changes, then tap Done.

## Your Status and Account Information

The Me screen summarizes information about your friends, your games, and your achievements.

The text field in the center of the screen lets you enter your current status message. Your status appears along with your nickname in other players' Friends screens.

**Change your status:** Tap the status field and use the keyboard to enter or update your status.

**View your account information:** Tap the account banner, then tap View Account.

You can change or update the following settings:

- Nickname
- Allow game invites
- Find Me By Email
- Your mail address for Game Center
- Additional email addresses

When you finish, tap Done.

You can also sign out and sign in to a different account, or create a new account.

**Sign out:** Tap the account banner, then tap Sign Out.

To sign in to another account, enter your username and password, then tap Sign In. To create a new account, tap Create New Account and follow the onscreen instructions.

# Newsstand

---

## Sample Print Section

Para

## Sample AppleTopic Section

Para

**Task:**

1 Para

2 Para

Para

# iTunes Store



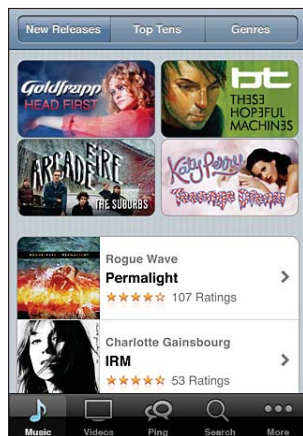
## About the iTunes Store

Use the iTunes Store to add content to your iPad. You can browse and purchase music, TV shows, and tones. You can also buy and rent movies, or download and play podcasts or iTunes U collections. An Apple ID is required to purchased content. See “Store settings” on page 154.

**Note:** The iTunes Store may not be available in all regions, and iTunes Store content may vary across regions. Features are subject to change.

To access the iTunes Store, iPhone must have an Internet connection. See “Connecting to the Internet” on page 20.

## Finding music, videos, and more



:



**Browse content**

- 1 Tap one of the content categories, such as Music or Videos. Or tap More to browse other content
- 2 Choose a sort method at the top of the screen—for example New Releases or Genres (the categories may vary).

<b>Search for content</b>	Tap Search (tap More first, if Search isn't visible), tap the search field and enter one or more words, then tap Search. Search results are grouped by category, such as Movies, Albums, or Podcasts.
<b>Buy, review, or tell a friend about an item</b>	Tap an item in a list to see more details on its Info screen.
<b>Explore artist and friend recommendations</b>	Tap Ping (tap More first, if Ping isn't visible) to find out what's new from your favorite artists or see what music your friends are excited about. For information, see "Following artists and friends"
<b>Browse Starbucks Collections</b>	If you join a Starbucks Wi-Fi network in a select Starbucks location in the U.S., the Starbucks icon appears at the bottom of the screen. You can preview and purchase the currently playing and other songs from featured Starbucks Collections.

**Following artists and friends**

Use iTunes Ping to connect with the world's most passionate music fans. Follow favorite artists to learn about new releases and upcoming concerts and tours, get an insider's perspective through their photos and videos, and learn about their musical influences. Read friends' comments about the music they're listening to, and see what they're buying and which concerts they plan to attend. Finally, express your musical likes and post comments for your own followers.

To create and explore musical connections, you need to create a profile.

**Create your iTunes Ping profile**

- Open the iTunes application on your Mac or PC, click Ping, and follow the onscreen instructions.

Tap Ping (if Ping isn't visible, tap More first) then explore Ping. You can do the following:

<b>Follow an artist</b>	Tap Follow on their profile page.
<b>Follow a friend</b>	<p>Choose a starting group of friends when you set up your profile using iTunes on your Mac or PC. After that, you can choose to follow others using Ping on iPhone.</p> <p>When you follow someone, they don't automatically follow you. In your profile you can choose to approve or decline requests to be followed as they arrive, or simply accept all new followers without review (the default).</p>
<b>Share your thoughts</b>	As you browse albums and songs, tap Post to comment on a piece of music, or tap Like just to say you like it. Your friends will see your thoughts in their iTunes Ping Activity feed. You can also say you like a song, or comment on it while you listen to it.
<b>Share concert plans</b>	Tap Concerts on your profile page to see upcoming concerts by the artists you follow, and see which of your friends are going to a concert. Tap Tickets to buy your own ticket, or tap I'm Going to let others know you'll be there too. (Not available in all countries or regions.)
<b>Specify Ping notifications</b>	<p>Ping can send a text alert, play a sound, or add an alert badge to the iTunes app icon on your iPhone when someone starts following you or comments on your activities.</p> <p>In Settings, choose Notifications &gt; Ping.</p>

## Purchasing music, audiobooks, and tones

When you find a song, album, tone, or audiobook you like in the iTunes Store, you can purchase and download it. You can preview an item before you purchase it to make sure it's what you want.

### Preview a song, tone, or audiobook

- Tap the item and follow the onscreen instructions.

<b>Enter a redemption code</b>	Tap Music (tap More first, if Music isn't visible), then tap Redeem at the bottom of the screen and follow the onscreen instructions. When you're signed in, your remaining store credit appears with your Apple ID information at the bottom of most iTunes Store screens.
<b>Complete an album</b>	While viewing any album, tap the discounted price for the remaining songs below Complete My Album (not available in all countries or regions). To see offers to complete other albums, tap Music, then tap Complete My Album Offers (near the bottom).
<b>Redownload a purchased item</b>	Tap Purchases, tap the item in the list, then tap Redownload. You can also redownload an item while browsing; just tap Download (where you usually see the price)


## Purchasing or renting videos

The iTunes Store lets you purchase and download movies, TV shows, and music videos (may not be available in all countries or regions). Some movies and TV shows can also be rented for a limited time. Video content may be available in standard-definition (SD, or 480p) format, high-definition (HD, or 720p) format, or both.

### Purchase or rent a video

- Tap Buy or Rent.

Once you purchase an item, it begins downloading and appears on the Downloads screen. See "Checking download status" on page 148.

<b>Preview a video</b>	Tap Preview.
<b>View the preview on a TV using AirPlay and Apple TV</b>	When the preview starts, tap  and choose Apple TV. See TK XREF AIRPLAY IN BASICS.
<b>Enter a redemption code</b>	Tap Music (tap More first, if Music isn't visible), then tap Redeem at the bottom of the screen and follow the onscreen instructions. When you're signed in, your remaining store credit appears with your Apple ID information at the bottom of most iTunes Store screens.

Rented movies and TV shows don't begin playing until the download completes. See "[UNRESOLVABLE CROSS-REFERENCE](#)" on page ###.

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When the download is complete, purchased videos are added to the Purchased playlist. Purchased content is synced to the Purchased playlist in iTunes the next time you sync to your computer. See “Syncing purchased content” on page 149.

**Note:** If you purchase HD video on iPhone 3GS, the video is downloaded in SD format.

## Streaming or downloading podcasts

You can listen to audio podcasts or watch video podcasts streamed over the Internet from the iTunes Store. You can also download audio and video podcasts.

### Stream a podcast

- Tap Podcasts (tap More first, if Podcasts isn't visible) to browse podcasts in the iTunes Store.

Video podcasts are marked with a video  icon.

Download a podcast	Tap the Free button, then tap Download. Downloaded podcasts appear in the Podcasts playlist.
Listen to or watch a podcast you've downloaded	In Music, tap Podcasts (tap More first, if Podcasts isn't visible), then tap the podcast. Video podcasts also appear in your list of videos.
Get more episodes of the podcast you've downloaded	In the Podcasts list in Music, tap the podcast, then tap Get More Episodes.
Delete a podcast	In the Podcasts list in Music, swipe left or right over the podcast, then tap Delete.

## Checking download status

You can check the Downloads screen to see the status of in-progress and scheduled downloads, including purchases you've pre-ordered.

### See the status of items being downloaded

- Tap Downloads (tap More first, if Downloads isn't visible).

Pre-ordered items don't download automatically when they're released. Return to the Downloads screen to begin the download.

Download a pre-ordered item	Tap the item, then tap 
-----------------------------	--

If a download is interrupted, the download resumes when there is an Internet connection. Or, if you open iTunes on your computer, iTunes completes the download to your iTunes library (if your computer is connected to the Internet and signed in using the same Apple ID).

## Syncing purchased content

iTunes on your computer automatically syncs everything you've downloaded or purchased on iPhone to your iTunes library when you sync. This lets you access the downloads on your computer and provides a backup if you delete purchased content.

Purchased content is synced to the "Purchased on <name of your iPhone>" playlist..

## Automatic Downloads

You can set iPhone to automatically download music, apps, and books that you purchase with the same Apple ID on other devices—such as your iPad or your computer. See "Automatic downloads" on page 153.

## Changing the browse buttons

You can replace the Music, Podcasts, Videos, and Search buttons at the bottom of the screen with ones you use more frequently. For example, if you download audiobooks often but don't watch many videos, you could replace the Videos button with Audiobooks.

### Change the browse buttons

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

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

While you browse, tap More to access the browse buttons that aren't visible.

## Viewing account information

To view iTunes Store information for your Apple ID on iPhone, tap your Apple ID (at the bottom of most iTunes Store screens). Or go to Settings > Store and tap View Apple ID. You must be signed in to view your account information. See "Store settings" on page 154.

## Verifying downloads

You can use iTunes on your computer to verify that all the music, videos, apps, and other items you bought from the iTunes Store or App Store are in your iTunes library. You might want to do this if a download was interrupted.

### Verify your purchases

- In iTunes on your computer, choose Store > Check for Available Downloads.

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The Purchased playlist displays your purchases. However, because you can add or remove items in this list, it might not be accurate. To see all of your purchases, sign in using your Apple ID, choose Store > View My Account, and click Purchase History.

# App Store



## About the App Store

You can search for, browse, review, purchase, and download apps from the App Store directly to iPhone.

**Note:** The App Store may not be available in all countries or regions, and App Store content may vary by country or region. Features are subject to change.

To browse the App Store, iPhone must be connected to the Internet. See “Connecting to the Internet” on page 20. To download apps, you also need an Apple ID (may not be available in all countries or regions). See “Store settings”

## Finding and downloading Apps

Browse the featured selections to see new, notable, or recommended apps, or browse Top 25 to see the most popular apps. If you’re looking for a specific app, use Search.

### Task

- 1 Tap Featured, Categories, or Top 25.
- 2 Choose a category, or choose a sort method at the top of the screen to browse by lists such as New, What’s Hot, Genius, Top Paid, or Top Free.

<b>Browse using Genius</b>	Tap Genius to see a list of recommended apps based on what's already in your app collection. To turn Genius on, follow the onscreen instructions. Genius is a free service, but it requires an Apple ID.
<b>Search for apps</b>	Tap Search, tap the search field and enter one or more words, then tap Search.
<b>Get ratings and read reviews</b>	Tap Ratings near the bottom of the app's Info screen. You can rate and review apps you've downloaded.
<b>Email a link to the app's Info page in iTunes</b>	Tap "Tell a Friend" near the bottom of the app's Info screen.
<b>Send the app to someone as a gift</b>	Tap "Gift This App" near the bottom of the app's Info screen, then follow the onscreen instructions.
<b>Report a problem</b>	Tap "Report a Problem" near the bottom of the app's Info screen. Select a problem from the list or type optional comments, then tap Report.
<b>Purchase and download an app</b>	Tap the price (or tap Free), then tap Buy Now. If you previously purchased the app, "Install" appears instead of the price on the Info screen. You won't be charged to download it again.
<b>Enter a redemption code</b>	Tap Redeem near the bottom of the Featured screen, then follow the onscreen instructions. You can redeem iTunes Store gift cards, gift certificates, or other promotional codes to make purchases. When you're signed in, your remaining store credit appears with your Apple ID information at the bottom of most App Store screens.



<b>See the status of downloads</b>	After you begin downloading an app, its icon appears on the Home screen and shows a progress indicator.
<b>Redownload a purchased app</b>	If a download is interrupted, it starts again the next time it there's an Internet connection. Or, if you open iTunes on your computer, iTunes completes the download to your iTunes library (if your computer is connected to the Internet and signed in using the same Apple ID). In App Store, tap Updates, tap the application in the list, then tap Redownload.
<b>Update an app</b>	At the bottom of the app's Info screen, tap Updates and follow the onscreen instructions. If you try to update an app purchased from a different Apple account, you're asked for that account ID and password in order to download the update.

## Automatic downloads

You can set iPhone to automatically download apps, music, and books that you purchase on other devices—such as your iPad or your Mac.

### Automatically download purchases made on other devices

- In Settings, choose Store, then under “iTunes In The Cloud” tap to turn on the kinds of purchases you want to automatically download.


iPhone and your other devices must be logged in to the same Apple account.


## Deleting Apps

You can delete apps you install from the App Store. If you delete an app, data associated with the app is also deleted.

You can reinstall an app and restore its data as long as you backed up iPhone with iCloud or to iTunes on your computer. To retrieve the app data, you must restore iPhone from a backup containing the data. See “Restoring from a backup” on page 226.

### Delete an App Store app

- 1 Touch and hold the app icon on the Home screen, until the icons start to jiggle.
- 2 Tap  in the corner of the apps you want to delete.

If you don't see  on the app icon, either the app wasn't purchased from the App Store or deleting apps has been restricted.

Press the Home  button when you're finished deleting apps.

For information about erasing every app and all of your data and settings, see “Erase All Content and Settings” on page 169.

You can redownload any app that you’ve purchased from the App Store, free of charge.

---

**Replacing a delete app**

In App Store, tap Updates, then tap Purchases. Tap the application in the list, and tap Redownload. You won’t be charged again.

You can also restore an app using iTunes on your computer. In the Apps pane for the device, select the checkbox next to the app, then click Apply.

---

## Store settings

Use Store settings to sign in to an Apple account, create a new Apple account, or edit an existing one. If you have more than one Apple account, you can use Store settings to sign out from one and in to another.

By default, the Apple account that appears in Store settings is the one you’re signed in to when you sync iPhone with your computer. Go to [www.apple.com/legal/itunes/ww/](http://www.apple.com/legal/itunes/ww/) for iTunes Store terms and conditions

### Sign in to an Apple account

- Choose Store, tap Sign In, then tap Use Existing Apple ID and enter your Apple ID and password.

---

**View and edit your account information**

Choose Store, tap your Apple ID, then tap View Apple ID. Tap an item to edit it. To change your account password, tap the Apple ID field.

---

**Sign in using a different Apple ID**

Choose Store, tap Sign Out, then tap Sign In.

---

**Create a new Apple ID**

Choose Store, tap Sign In, then tap Create New Apple ID and follow the onscreen instructions.

---

# Settings

# 24



Settings allows you to configure iPhone, set app options, add accounts, and enter other preferences.

## Airplane Mode

Airplane mode disables the wireless features in order to reduce potential interference with aircraft operation and other electrical equipment.

### Turn on airplane mode:


- Tap Settings and turn airplane mode on.

When airplane mode is on, ✈️ appears in the status bar at the top of the screen. No phone, Wi-Fi, or Bluetooth signals are emitted from iPhone and GPS reception is turned off, disabling many of iPhone's features. You won't be able to apps for features that require these signals, such as connecting to the Internet, placing or receiving phone calls or messages, getting visual voicemail, and so on.

If allowed by the aircraft operator and applicable laws and regulations, you can continue to listen to music, watch videos, browse email, calendar, and other data you've previously received, and generally use apps that don't require an Internet connection.

If Wi-Fi is available and allowed by the aircraft operator and applicable laws and regulations, go to Settings > Wi-Fi to turn it on. Similarly, you can turn on Bluetooth connections in Settings > General > Bluetooth.




## Wi-Fi

Wi-Fi settings determine whether iPhone uses local Wi-Fi networks to connect to the Internet. When iPhone is joined to a Wi-Fi network, the Wi-Fi  icon in the status bar at the top of the screen shows signal strength. The more bars you see, the stronger the signal. If no Wi-Fi networks are available, or you've turned Wi-Fi off, then iPhone connects to the Internet via your cellular data network, when available.

You can also use iPhone to set up a new AirPort base station. See TK XX.

### Turn Wi-Fi on or off:

- Go to Settings > Wi-Fi.

<b>Join a Wi-Fi network</b>	<p>When iPhone is joined to a Wi-Fi network, the Wi-Fi  icon in the status bar at the top of the screen shows signal strength. The more bars you see, the stronger the signal.</p> <p>Once you join a Wi-Fi network manually, iPhone automatically joins it whenever the network is in range. If more than one previously used network is in range, iPhone joins the one last used.</p>
<b>Set iPhone to ask if you want to join a new network</b>	<p>Choose Wi-Fi and turn “Ask to Join Networks” on or off.</p> <p>If “Ask to Join Networks” is turned off, you must manually join a network to connect to the Internet when a previously used network isn't available.</p>
<b>Forget a network, so iPhone doesn't join it</b>	<p>Choose Wi-Fi and tap  next to a network you've joined before. Then tap “Forget this Network.”</p>
<b>Join a closed Wi-Fi network</b>	<p>To join a Wi-Fi network that isn't shown in the list of scanned networks, choose Wi-Fi &gt; Other, then enter the network name. If the network requires a password, tap Security, tap the type of security the network uses, and enter the password.</p> <p>You must already know the network name, password, and security type to connect to a closed network.</p>
<b>Adjust settings for connecting to a Wi-Fi network</b>	<p>Choose Wi-Fi, then tap  next to a network.</p> <p>Some Wi-Fi networks may require you to enter or adjust additional settings, such as a client ID or static IP address. Ask the network administrator which settings to use.</p>

## Setting up an AirPort base station

An AirPort base station provides a Wi-Fi connection to your home, school, or small business network. You can use iPhone to set up an AirPort Express, AirPort Extreme or Time Capsule base station. If you already have an AirPort base station the AirPort Utility app from the App Store allows you to change its settings and monitor its status.

### Using the AirPort Setup Assistant

- Go to Settings > Wi-Fi. Under “Set up an AirPort base station,” tap the name of the base station you want to set up. Then follow the onscreen instructions. After setting up the base station, tap “Get AirPort Utility” to download the app to change settings later.
  - Some older AirPort base stations cannot be set up using an iOS device. See the documentation that came with the base station for set up instructions.
  - If the base station you want to set up isn’t listed, make sure it has power, that you’re within range, and that it hasn’t already been configured. You can only set up base stations that are new or have been reset.

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#### Change AirPort base station settings


Use the AirPort Utility app, available in the App Store.

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## Location Services

Location services lets apps such as Maps, Camera, and third-party location-based apps gather and use data indicating your location. The location data collected by Apple is not collected in a form that personally identifies you. 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 locations). To conserve battery life, turn location services off when you’re not using it.

When an app is using location services,  appears in the status bar.

Every app and system service that uses location services appears in the Location Services settings screen, showing whether location services is turned on or off for that app or service.  appears for each app that has requested your location within the last 24 hours. You can turn location services off for some or for all apps and services, if you don’t want to use this feature. If you turn location services off, you’re prompted to turn it on again the next time an app or service tries to use this feature.

If you have third-party apps on iPhone that use location services, review the third party’s terms and privacy policy to understand how that app uses your location data.

### Turn location services on or off for all apps and services:

- Go to Settings > Location Services.

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<b>Turn location services on or off for some apps and services</b>	Turn location services on or off for the individual apps and System Services.
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## VPN

This setting appears when you have VPN configured on iPhone, allowing you to turn VPN on or off. See “Network” on page 162.

## Personal Hotspot

Personal Hotspot settings appear at the top level of Settings, as well as at General > Network settings. See “Network” on page 162.

**Note:** Depending on your carrier, the Personal Hotspot service may need to be activated before the settings appear in this location.

## Notifications

Push notifications appear in the Notification Center and alert you to new information, even when the app isn’t running. Notifications vary by app, but may include text or sound alerts, and a numbered badge on the app icon on the Home screen.

You can turn notifications off if you don’t want to be notified, and you can change the order in which notifications appear.

### Turn notifications on or off:

- 1 Go to Settings > Notifications.
- 2 Tap an item in the list, then turn notifications on or off for that item.

Apps that have notifications turned off are shown in the Not In Notification Center list.

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<b>Change the number of notifications</b>	Tap Notifications, then choose an item from the In Notification Center list. Tap Show to select how many notifications of this type appear in Notification Center. Older notifications that exceed the number you select will be discarded.
<b>Change the alert styles</b>	Tap Notifications, then choose an item from the In Notification Center list. Select None to turn off alerts for when new notifications arrive.
<b>Change the order of notifications</b>	Tap Notifications, then tap Edit. Drag the notifications into the order you want. To turn off a notification, drag it to the Not In Notification Center list.

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<b>Display numbered badges on apps with notifications</b>	Tap Notifications, then choose an item from the In Notification Center list. Turn off Badge App Icon to remove the numbered badge from the app on the Home screen.
<b>Prevent notifications when iPhone is locked</b>	Tap Notifications, then choose an item from the In Notification Center list. Turn off View in Lock Screen to hide notifications when the device is locked.

Some apps may have additional options. For example, Messages allows you to specify how many times the alert sound is repeated, and if message previews are included in the notification.

## 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.

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

### Select a carrier:

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

Once you select a network, iPhone uses only that network. If the network is unavailable, "No service" appears on the iPhone screen and you can't make or receive calls or visual voicemail, or connect to the Internet via cellular data network. Set Network Settings to Automatic to have iPhone select a network for you.

## Sounds and the Ring/Silent Switch




You can set iPhone to play a sound whenever you get a new message, email, call, tweet, voicemail, or reminder. Sounds can also play for appointments, sending an email, keyboard clicks, and when you lock the device.

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

### Switch between ring and silent mode:

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

**Note:** In some countries or regions, the sound effects for Camera and Voice Memos are played even if the Ring/Silent switch is set to silent.

<b>Set whether iPhone vibrates when you get a call</b>	Choose Sounds. To set whether iPhone vibrates in silent mode, turn Vibrate under Silent  on or off. To set whether iPhone vibrates in ring mode, turn Vibrate under Ring  on or off.
<b>Adjust the ringer and alerts volume</b>	Choose Sounds and drag the slider. Or, if “Change with Buttons” is turned on, use the volume buttons on the side of iPhone. The volume buttons don’t change the ringer and alerts volume if a song or video is playing or if you’re on a call.
<b>Allow the volume buttons to change the ringer or alerts volume</b>	Choose Sounds and turn on “Change with Buttons.”
<b>Set the ringtone</b>	Choose Sounds > Ringtone.
<b>Set the alert and effects sounds</b>	Choose Sounds and turn items on or off under Ring  . When the Ring/Silent switch is set to ring, iPhone plays sounds for alerts and effects that are turned on.

## Brightness

Screen brightness affects battery life. Dim the screen to extend the time before you need to recharge iPhone, or use Auto-Brightness.

### Adjust the screen brightness:

- Go to Settings > Brightness and drag the slider.

<b>Set whether iPhone adjusts screen brightness automatically</b>	Choose Brightness and turn Auto-Brightness on or off. If Auto-Brightness is on, iPhone adjusts the screen brightness for current light conditions using the built-in ambient light sensor.
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## Wallpaper

Wallpaper settings let you set an image or photo as wallpaper for the Lock screen or Home screen. See “Adding Wallpaper” on page 32.

## General

General settings include network, sharing, security, and other iOS settings. You can also find information about your iPhone, and reset various iPhone settings.



## About

Choose General > About to get information about iPhone, including storage space available, serial numbers, network addresses, IMEI (International Mobile Equipment Identity) and ICCID (Integrated Circuit Card Identifier, or Smart Card) (GSM), MEID (Mobile Equipment Identifier) (CDMA), and legal and regulatory information.

## Software Update

Software Update lets you download and install iOS updates from Apple.

### Updating to the latest iOS version:

- Go to General > Software Update.

If a newer version of iOS is available, follow the onscreen instructions to download and install the update.

**Note:** Make sure iPhone is connected to a power source so that the download and installation, which can take several minutes, completes successfully.

See your usage statistics	Choose General > Usage > Cellular Usage.
Reset your usage statistics	Choose General > Usage, then tap Reset Statistics to clear the data and cumulative time statistics. The statistics for the amount of time iPhone has been unlocked and in standby mode aren't reset.
Show battery percentage	Go to General > Usage and turn Battery Percentage on.

## Usage

Usage lets you view cellular usage, battery status, and available storage. You can also view and manage iCloud storage.

### View cellular network usage, battery status, and available storage:

- Go to General > Usage

See your usage statistics	Go to General > Usage > Cellular Usage.
Manage iCloud storage	Go to General > Usage > Manage Storage. For information see TK iCloud CHAPTER
Reset your usage statistics	Go to General > Usage, then tap Reset Statistics to clear the data and cumulative time statistics. The statistics for the amount of time iPhone has been unlocked and in standby mode aren't reset.
Show battery percentage	Go to General > Usage and turn Battery Percentage on.

## iTunes Wi-Fi Sync

You can sync iPhone with iTunes on a computer that is connected to the same Wi-Fi network.

### Enable iTunes Wi-Fi Sync:

- To set up Wi-Fi syncing for the first time you have to connect iPhone to the computer that you want to sync with. For instructions see “Syncing with iTunes” on page 53

After you’ve configured Wi-Fi Sync, iPhone syncs with iTunes automatically when:

- iPhone and your computer are both connected to the same Wi-Fi network.
- iTunes on your computer is running.
- iPhone is connected to a power source.

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See [Wi-Fi Sync status](#)

Go to [General > iTunes Wi-Fi Sync](#).

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## Siri

Siri (not available in all areas) lets you use iPhone by speaking to it.

### Enable Siri:

- Go to [Settings > General > Assistant](#).

For information about using Siri, see “Siri” on page 40

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[Set the languages Siri understands](#)

Go to [General > Siri > TK](#)

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[Set when you want voice feedback](#)

Go to [General > Siri > TK](#)

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[Choose your contact card for personal info](#)

Go to [General > Siri > TK](#)

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[Turn “raise to speak” on or off](#)

Go to [General > Siri > TK](#)

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## Network

Use Network settings to configure a VPN (virtual private network) connection, access Wi-Fi settings, or turn cellular data roaming on or off.

<p><b>Turn 3G on or off (GSM)</b></p>	<p>Go to General &gt; Network, then tap to turn 3G on or off.</p> <p>Using 3G loads Internet data faster in some cases, but may decrease battery performance. If you're making a lot of phone calls, you may want to turn 3G off to extend battery performance</p>
<p><b>Turn Cellular Data on or off</b></p>	<p>Go to General &gt; Network, then turn Cellular Data on or off.</p> <p>If Cellular Data is turned off, you won't be able to access the Internet unless you join a Wi-Fi network.</p>
<p><b>Turn Data Roaming on or off</b></p>	<p>Go to General &gt; Network, then turn Data Roaming on or off.</p> <p>Data Roaming turns on Internet and visual voicemail access over a cellular data network when you're in an area not covered by your carrier's network. For example, when you're traveling, you can turn off Data Roaming to avoid potential roaming charges.</p>
<p><b>Turn Personal Hotspot on or off</b></p>	<p>Choose General &gt; Network &gt; Personal Hotspot, then turn Personal Hotspot on or off.</p>
<p><b>Add a new VPN configuration:</b></p>	<p>Choose General &gt; Network &gt; VPN &gt; Add VPN Configuration.</p> <p>VPNs used within organizations allow you to communicate private information securely over a non-private network. You may need to configure VPN, for example, to access your work email.</p> <p>Ask your network administrator which settings to use. In most cases, if you've set up VPN on your computer, you can use the same VPN settings for iPhone. Once you enter VPN settings, a VPN switch appears in the Settings menu that you can use to turn VPN on or off.</p> <p>Ask your network administrator which settings to use. In most cases, if you've set up VPN on your computer, you can use the same VPN settings for iPhone</p> <p>VPN may also be automatically set up by a configuration profile. See "Connecting to the Internet" on page 20.</p>

## Bluetooth

iPhone can connect wirelessly to Bluetooth devices such as headsets, headphones, and car kits for music listening and hands-free talking. You can also connect the Apple Wireless Keyboard via Bluetooth. See "Using an Apple Wireless Keyboard" on page 37.

**Turn Bluetooth on or off:**

- Go to General > Bluetooth and turn Bluetooth on or off.

## Spotlight Search


The Spotlight Search setting lets you specify the content areas searched by Search, and rearrange the order of the results.

**Set which content areas are searched by Search:**

- Go to General > Spotlight Search then select the items to search.

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**Set the order of search result categories**

Go to General > Spotlight Search. Touch  next to an item, then drag up or down.

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## Auto-Lock

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

**Set the amount of time before iPhone locks:** Choose General > Auto-Lock, then choose a time.

## Passcode Lock

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

Setting a passcode enables data protection. See "Security Features" on page 49.

**Important:** On iPhone 3GS, you must also restore iOS software to enable data protection. See "Restoring iPhone" on page 225.

**Set a passcode:**

- Go to General > Passcode Lock to set a 4-digit passcode.

If you forget your passcode, you must restore the iPhone software. See "Updating and restoring iPhone software" on page 225.

<b>Turn passcode lock off or change your passcode</b>	Go to General > Passcode Lock.
<b>Set how long before your passcode is required</b>	Go to General > Passcode Lock and enter your passcode. Tap Require Passcode, then select how long iPhone can be locked before you need to enter a passcode to unlock it.
<b>Turn Simple Passcode on or off</b>	Go to General > Passcode Lock. A simple passcode is a four-digit number. To increase security, turn off Simple Passcode and use a longer passcode with a combination of numbers, letters, punctuation, and special characters.
<b>Turn Voice Dial on or off</b>	Go to General > Passcode Lock. Turning Voice Dial off prevents someone from placing a call when iPhone is locked.
<b>Erase data after ten failed passcode attempts</b>	Go to General > Passcode Lock and tap Erase Data. After ten failed passcode attempts, all settings are reset, and all your information and media are erased by removing the encryption key to the data (which is encrypted using 256-bit AES encryption).

## Restrictions

You can set restrictions for the use of some apps and for purchased content. For example, parents can restrict explicit music from being seen on playlists, or turn off YouTube access entirely.

### Turn on restrictions:


- 1 Choose General > Restrictions, then tap Enable Restrictions.
- 2 Enter a four-digit passcode.

**Important:** If you forget your passcode, you must restore the iPhone software from iTunes. See “Updating and restoring iPhone software” on page 225.

You can set the following restrictions:

<b>Safari</b>	Safari is disabled and its icon is removed from the Home screen. You cannot use Safari to browse the web or access web clips.
<b>YouTube</b>	YouTube is disabled and its icon is removed from the Home screen.
<b>Camera</b>	Camera is disabled and its icon is removed from the Home screen. You cannot take photos.

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<b>FaceTime</b>	You cannot make or receive FaceTime video calls.
<b>iTunes</b>	The iTunes Store is disabled and its icon is removed from the Home screen. You cannot preview, purchase, or download content.
<b>Ping</b>	You cannot access Ping or any of its features.
<b>Installing Apps</b>	The App Store is disabled and its icon is removed from the Home screen. You cannot install apps on iPhone.
<b>Deleting Apps</b>	You cannot delete apps from iPhone.  doesn't appear on app icons when you're customizing the Home screen.
<b>Assistant</b>	You cannot use Assistant. Voice commands are disabled.
<b>Location</b>	The current Location Services settings and the Find My iPhone setting are locked and cannot be changed.
<b>Accounts</b>	The current Mail, Contacts, Calendar settings are locked and you cannot add, modify, or delete accounts.
<b>In-app Purchases</b>	Turn off In-App Purchases. When enabled, this feature allows you to purchase additional content or functionality within apps downloaded from the App Store.
<b>Require Password for In-App Purchases</b>	Requires you to enter your Apple ID for in-app purchases after the time period you specify.
<b>Set content restrictions</b>	Tap Ratings For, then select a country from the list. You can then set restrictions using a country's ratings system for music, podcasts, movies, TV show, and apps. Content that doesn't meet the rating you select won't appear on iPhone.
<b>Restrict multiplayer games</b>	When Multiplayer Games is turned off, you can't request a match, send or receive invitations to play games, or add friends in Game Center.
<b>Restrict adding friends</b>	When Adding Friends is off, you can't make or receive friend requests in Game Center. If Multiplayer Games is turned on, you can continue to play with existing friends.

## Date and Time

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

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

- Choose General > Date & Time, then turn 24-Hour Time on or off. (24-Hour Time may not be available in all countries or regions.)

<b>Set whether iPhone updates the date and time automatically</b>	<p>Go to General &gt; Date &amp; Time, then turn Set Automatically on or off.</p> <p>If iPhone is set to update the time automatically, it gets the correct time over the cellular network and updates it for the time zone you're in.</p> <p>Some carriers don't support network time in all locations. If you're traveling, iPhone may not be able to automatically set the local time.</p>
<b>Set the date and time manually</b>	<p>Go to General &gt; Date &amp; Time, then turn Set Automatically off. Tap Time Zone to set your time zone. Tap the "Date &amp; Time" button, then tap "Set Date &amp; Time" and enter the date and time.</p>

## Keyboard

You can turn on keyboards for writing in different languages, and you can turn typing features, such as spell-checking, on or off.

### Add international keyboards:



- 1 Choose General > Keyboard > International Keyboards.

The number of active keyboards appears before the right arrow.

- 2 Tap "Add New Keyboard...", then choose a keyboard.

You can add as many keyboards as you want. To learn about using international keyboards, see Appendix A, "International Keyboards," on page 218.

<b>Turn auto-capitalization on or off</b>	<p>Go to General &gt; Keyboard.</p> <p>By default, iPhone capitalizes words after you type sentence-ending punctuation or a return character.</p>
<b>Turn auto-correction on or off</b>	<p>Go to General &gt; Keyboard.</p> <p>Normally, if the default keyboard for the language you select has a dictionary, iPhone suggests corrections or completed words as you type.</p>
<b>Turn spell checking on or off</b>	<p>Go to General &gt; Keyboard.</p> <p>Spell checking underlines misspelled words in text you type. Tap the underlined word to see suggested corrections. Spell checking is on by default.</p>
<b>Set whether caps lock is enabled</b>	<p>Go to General &gt; Keyboard.</p> <p>If caps lock is enabled and you double-tap the Shift ⇧ key on the keyboard, all letters you type are uppercase. The Shift key turns blue when caps lock is on.</p>

<b>Turn the “.” shortcut on or off</b>	Go to General > Keyboard. The “.” shortcut lets you double-tap the space bar to enter a period followed by a space when you’re typing.
<b>Turn the Dictation Keyboard on or off</b>	Go to General > Keyboard. When Dictation Keyboard is off, speech-to-text input is not available.
<b>Edit your keyboard list</b>	Choose General > Keyboard > International Keyboards, then tap Edit. <ul style="list-style-type: none"> <li>• <i>To delete a keyboard</i>, tap , then tap Delete.</li> <li>• <i>To reorder the list</i>, drag  next to a keyboard to a new place in the list.</li> </ul>
<b>Change a keyboard’s layout</b>	In Settings, choose General > Keyboard > International Keyboards and select a keyboard. You can make separate selections for both the on-screen software and external hardware keyboards for each language.
<b>Edit the user dictionary</b>	The Edit User Dictionary setting appears when you have Chinese or Japanese keyboards turned on. To add a word to the user dictionary, go to Settings > General > Keyboard > Edit User Dictionary. Then tap add (+). See Appendix A, “International Keyboards,” on page 218.
<b>Edit a text shortcut</b>	Go to Settings > General > Keyboard. Tap a shortcut to edit it. Tap Add new Shortcut to create a new one.  Text shortcuts are expanded when you type them. For example, the shortcut “omw” is expanded to “On my way!”

## International

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

**Set the language for iPhone:** Choose General > International > Language, choose the language you want to use, then tap Done.

**Set the Voice Control language for iPhone:** Choose General > International > Voice Control, then choose a language.

**Set the date, time, and telephone number formats:**

- Go to General > International > Region Format, and choose your region.



The Region Format also determines the language used for the days and months that appear in apps.

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<b>Set the calendar format</b>	Go to General > International > Calendar, and choose the format.
<b>Change a keyboard layout</b>	In Settings, choose General > International > Keyboards and select a keyboard. See TK XREF Keyboard.

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## Accessibility

To turn on accessibility features, choose Accessibility and choose the features you want. See Chapter 32, “Accessibility,” on page 198.

## Profiles

This setting appears if you install one or more profiles on iPhone. Tap Profiles to see information about the profiles you’ve installed.

## Resetting iPhone

You can reset the word dictionary, network settings, home screen layout, and location warnings. You can also erase all of your content and settings.

### Erase all content and settings

- Go to Settings > General > Reset, then tap Erase All Content and Settings.

After confirming that you want to reset iPhone, all content, your information, and settings are removed. It cannot be used until it is set up again.

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<b>Reset all settings</b>	<p>Choose General &gt; Reset and tap Reset All Settings.</p> <p>All your preferences and settings are reset. Information (such as contacts and calendars) and media (such as songs and videos) aren't affected.</p>
<b>Reset network settings</b>	<p>Choose General &gt; Reset and tap Reset Network Settings.</p> <p>When you reset network settings, your list of previously used networks and VPN settings not installed by a configuration profile are removed. Wi-Fi is turned off and then back on, disconnecting you from any network you're on. The Wi-Fi and "Ask to Join Networks" settings are left turned on.</p> <p>To remove VPN settings installed by a configuration profile, choose Settings &gt; General &gt; Profile, then select the profile and tap Remove. This will also remove other settings or accounts provided by the profile.</p>
<b>Reset the keyboard dictionary</b>	<p>Choose General &gt; Reset and tap Reset Keyboard Dictionary.</p> <p>You add words to the keyboard dictionary by rejecting words iPhone suggests as you type. Tap a word to reject the correction and add the word to the keyboard dictionary. Resetting the keyboard dictionary erases all words you've added.</p>
<b>Reset the Home screen layout</b>	<p>Choose General &gt; Reset and tap Reset Home Screen Layout.</p>
<b>Reset location warnings</b>	<p>Choose General &gt; Reset and tap Reset Location Warnings.</p> <p>Location warnings are requests made by apps. to use location services. iPhone presents a location warning for an app the first time the app makes a request to use location services. If you tap Cancel in response to the request, the request isn't presented again. To reset the location warnings so that you get a request for each app again, tap Reset Location Warnings.</p>

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# Videos



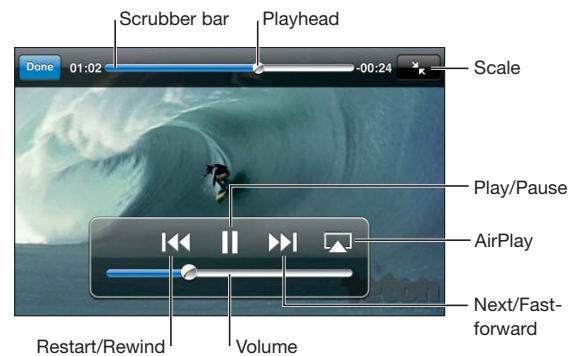
## About Videos

With iPhone, you can view video content such as movies, music videos, and video podcasts.

## Playing Videos

Play a video:

- Tap the video.



<b>Pause a video</b>	Tap <b>  </b> , or press the center button on the iPhone earphones.
<b>Resume playback</b>	Tap <b>▶</b> , or press the center button on the iPhone earphones.
<b>Raise or lower the volume</b>	Drag the volume slider. You can also use the volume buttons on the iPhone earphones.

Skip to the next chapter (if available)	Tap <b>▶▶</b> , or press the center button on the iPhone earphones twice quickly.
Go to the previous chapter (if available)	Tap <b>◀◀</b> , or press the center button on the iPhone earphones three times quickly.
Start playing at a specific chapter (if available)	Tap <b>☰</b> , then choose a chapter from the list.
Rewind or fast-forward	Touch and hold <b>◀◀</b> or <b>▶▶</b> .
Stop watching a video before it finishes playing	Tap Done. Or press the Home <b>◻</b> button.
Scale a video to fill the screen or fit to the screen	Tap <b>⌕</b> or <b>⌘</b> .
Select an alternate audio language (if available)	Tap <b>🗣️</b> , then choose a language from the Audio list.
Show or hide subtitles (if available)	Tap <b>🗣️</b> , then choose a language, or Off, from the Subtitles list.
Play just the audio portion of a video	Double-click the Home <b>◻</b> button, flick the recent apps to the right to reveal the iPod controls, then tap <b>▶</b> . Flick right again to reveal a volume control and AirPlay button. You can also use the buttons on the iPhone earphones to control audio playback and adjust the volume.

## Searching for Videos

You can search the titles of movies, TV shows, and video podcasts on iPhone.

### Search your videos:

- Scroll to reveal the search field at the top of the list of videos, tap the field, and enter text.

You can also search for videos from the Home screen. See “Searching” on page 39.

## Watching Rented Movies and TV Shows

You can rent movies from the iTunes Store and watch them on iPhone. You can download rented movies and TV shows directly to iPhone, or transfer movies from iTunes on your computer to iPhone. (Rented movies and TV shows may not be available everywhere.)

Rented movies and TV shows expire, and once you start watching, you have a limited amount of time to finish. The time remaining appears near the title. Rented items are deleted when they expire. Before renting a movie or TV show, check the iTunes Store for the rental period.

For information, see “Purchasing or renting videos” on page 147.

**View a rented movie or TV show:**

- Tap the video. If you don't see the video in your list, it might still be downloading.

**Transfer a rented movie between iPhone and your computer:**

On iPhone 3GS, you can transfer rented movies between iPhone and your computer. On iPhone 4, you can transfer rented movies between iPhone and your computer only if they were rented in iTunes on your computer. Movies rented on iPhone 4 can't be transferred to your computer.

- 1 Connect iPhone to your computer. Your computer must be connected to the Internet.
- 2 In iTunes, select iPhone in the Devices list, then click Movies.
- 3 Click Move next to the item you want to transfer, then click Apply.

## Watching Videos on a TV




You can stream videos wirelessly to your TV using AirPlay and Apple TV, or connect iPhone to your TV using any of the following:

- Apple Component AV Cable
- Apple Composite AV Cable
- Apple Digital AV Adapter and an HDMI cable (iPhone 4)
- Apple VGA Adapter and a VGA cable

The Digital AV Adapter supports high-definition video up to 720p with audio.

**Note:** Apple cables, adapters, and docks are available for purchase separately. Go to [www.apple.com/ipodstore](http://www.apple.com/ipodstore) (may not be available in all areas) or check with your local Apple retailer.

**Stream videos using AirPlay:**

- Start video playback, then tap  and choose Apple TV from the list. If  doesn't appear or if you don't see Apple TV in the list of AirPlay devices, make sure it's on the same wireless network as iPhone. To return playback to iPhone, tap  again and choose iPhone from the list.

**Using a cable:**

- Use the cable to connect iPhone to your TV or AV receiver and select the corresponding input.

<b>Connect using an AV cable</b>	Use the Apple Component AV Cable, Apple Composite AV Cable, or other authorized iPhone-compatible cable. You can also use these cables with the Apple Universal Dock to connect iPhone to your TV. You can use the dock's remote to control playback.
<b>Connect using an Apple Digital AV Adapter (iPhone 4)</b>	Attach the Apple Digital AV Adapter to the iPhone Dock connector. Use an HDMI cable to connect the HDMI port of the adapter to your TV or receiver. To keep iPhone charged while watching videos, use an Apple Dock Connector to USB Cable to connect the 30-pin port of the adapter to your computer, or to a USB Power Adapter plugged into a power outlet.
<b>Connect using a VGA Adapter</b>	Attach the VGA Adapter to the iPhone Dock connector. Connect the VGA Adapter with a VGA cable to a compatible TV, projector, or VGA display.

## Deleting Videos from iPhone

You can delete videos from iPhone to save space. Deleting a video from iPhone (other than a rented movie or TV show) doesn't delete the video from your iTunes library. It may reappear on iPhone if the video in iTunes is still set to sync.

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

### Delete a video

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

## Home Sharing

Home Sharing (iOS 4.3) lets you play music, movies, and TV shows on iPhone from the iTunes library on your Mac or PC. iPhone and your computer must be on the same Wi-Fi network. On your computer, iTunes must be open, with Home Sharing turned on and logged in to the same Apple account as Home Sharing on iPhone.

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

### Play videos on iPhone from your iTunes library:

- 1 In iTunes on your Mac or PC, choose Advanced > Turn On Home Sharing. Enter your Apple ID and password, then click Create Home Share.
- 2 On iPhone, go to Settings > Video and enter the same Apple ID and password you used for Home Sharing in iTunes.

- 3 In Videos, scroll to the top of the videos list, tap Shared, and select your shared library.

---

Return to content on your iPhone

Tap Shared again and choose your iPhone.

---

## Setting a Sleep Timer

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

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

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

## Converting Videos for iPhone

You can add videos other than those purchased from the iTunes Store to iPhone, such as videos you create in iMovie on a Mac, or videos you download from the Internet and then add to iTunes. If you try to add a video from iTunes to iPhone and a message says the video can't play on iPhone, you can convert the video.

**Convert a video to work with iPhone:**

- Select the video in your iTunes library and choose Advanced > "Create iPod or iPhone Version." Then add the converted video to iPhone.

## Contacts



### About Contacts

Contacts lets you easily access and edit your contact lists from personal, business, and organizational accounts. You can search across all of your groups, and the information in Contacts is automatically accessed to make addressing emails quick and easy.

### Syncing Contacts

You can add contacts in the following ways:

- In iTunes, sync contacts from Google or Yahoo!, or sync with applications on your computer (see “iPhone Settings Panes in iTunes” on page 55)
- Access your iCloud contacts. See TK XREF TO SETTINGS OR ICLOUD INFO.
- Set up a MobileMe or Microsoft Exchange account on iPhone, with Contacts enabled (see “Setting Up MobileMe Accounts” on page 23 or “Setting Up Microsoft Exchange Accounts” on page 24)
- Set up an LDAP or CardDAV account to access business or school directories. See TK XREF TO BELOW.
- Enter contacts directly on iPhone
- Import contacts from a SIM card (GSM models) See TK XREF TO PHONE.

### Searching Contacts

You can search first, last, and company names in your contacts on iPhone. If you have a Microsoft Exchange account, you may also be able to search your enterprise Global Address List (GAL) for contacts in your organization. If you have an LDAP account, you can search contacts on your organization’s LDAP server. If you have a CardDAV account, you can search contacts synced to iPhone, or searchable contacts on a supported CardDAV server.



### Search contacts

- In Contacts, tap the search field at the top of any list of contacts and enter your search. To scroll quickly to the top of the list, tap the status bar.

Search a GAL	Tap Groups, tap Directories at the bottom of the list, then enter your search. To save contact information from a GAL to your Contacts, tap Add Contact or Add to Existing Contact.
Search an LDAP server	Tap Groups, tap the LDAP server name, then enter your search. To save contact information from LDAP to your Contacts, tap Add Contact or Add to Existing Contact.
Search a CardDAV server	Tap Groups, tap the searchable CardDAV group at the bottom of the list, then enter your search. To save contact information from the CalDAV server to your Contacts, tap Add Contact or Add to Existing Contact.



Contacts can also be included in searches from the Home screen. See “Searching” on page 39.

## Adding and editing contacts

**Add a contact on iPhone:** Tap Contacts and tap **+**. If **+** isn’t visible, make sure you’re not viewing an LDAP, CalDAV, or GAL contacts list.

Delete a contact	In Contacts, choose a contact, then tap Edit. Scroll down and tap Delete Contact.
Add a contact from the numeric keypad	Tap Keypad, enter a number, then tap <b>+👤</b> . Tap Create New Contact or tap “Add to Existing Contact” and choose a contact.
Enter a soft (two-second) pause in a number	Tap <b>+***</b> , then tap Pause. One or more pauses may be required by a phone system before dialing an extension, for example. Pauses appear as commas when the number is saved.
Enter a hard pause in a number	Tap <b>+***</b> , then tap Wait. A hard pause appears as a semicolon when the number is saved. When dialing, iPhone pauses when it reaches the semicolon and waits until you tap the Dial button to continue.
Add a recent caller’s phone number to your contacts	Tap Recents and tap <b>📞</b> next to the number. Then tap Create New Contact, or tap “Add to Existing Contact” and choose a contact.

**Edit contact information:** Choose a contact, then tap Edit.

<b>Add a new field</b>	Tap  Add Field.
<b>Change a field label</b>	Tap the label and choose a different one. To add a new label, scroll to the bottom of the list and tap Add Custom Label.
<b>Change the ringtone or text tone for the contact</b>	Tap the ringtone or text tone field, then choose a new sound. The default sound is specified in Settings > Sounds.
<b>Delete an item</b>	Tap  , then tap Delete.
<b>Assign a photo to a contact</b>	Tap Add Photo, or tap the existing photo. You can choose to take a photo with the camera or use an existing photo.

## Unified contacts

When you sync contacts with multiple accounts, you might have entries for the same person in more than one account. To help keep redundant contacts from appearing in the All Contacts list, contacts from different accounts that have the same name are linked and displayed as a single *unified contact*. When you view a unified contact, the title Unified Info appears at the top of the screen.

### Link a contact:

- Tap Edit, then tap  and choose a contact.

If you link contacts with different first or last names, the names on the individual contacts won't change, but only one name appears on the unified card. To choose which name appears when viewing the unified card, tap the linked card with the name you prefer, then tap Use This Name For Unified Card.

---

**View contact information from a source account** Tap one of the source accounts.

---

**Unlink a contact** Tap Edit, tap , then tap Unlink.

---

Linked contacts aren't merged. If you change or add information in a unified contact, the changes are copied to each source account in which that information already exists.

## Accounts and settings

You can add additional Contacts accounts and adjust the way contact names are sorted and displayed.

### To add a Contact account:

- 1 Go to Settings > "Mail, Contacts, Calendars," then tap Add Account.

- 2 Select the type of account you want to add. For LDAP and CardDAV accounts, tap Other.
  - When you add an Exchange account, your GAL (Global Address List) is accessible from Contacts.
  - When you add an iCloud account, your iCloud contacts are accessible from Contacts. To turn this on or off, tap your iCloud account in Settings > “Mail, Contacts, Calendars.”
  - When you add a MobileMe account, your MobileMe contacts are accessible from Contacts.

To change Contact settings, go to Settings > “Mail, Contacts, Calendars” to access these options:

<b>Set how contacts are sorted</b>	Tap Sort Order and choose from sorting by first or last name.
<b>Set how contacts are displayed</b>	Tap Display Order and choose from first or last name.
<b>Import contacts from a SIM card (GSM models)</b>	Tap Import SIM Contacts. The contact information on the SIM card is imported to iPhone. If Contacts is enabled for a server-based account, you’re asked to choose which account you want to add the SIM contacts to.

# Calculator

27



## Using the Calculator

Tap numbers and functions in Calculator just as you would with a standard calculator. When you tap the add, subtract, multiply, or divide button, a white ring appears around the button to let you know the operation to be carried out.

## Scientific Calculator

Rotate iPhone to landscape orientation to display the scientific calculator.

## Compass

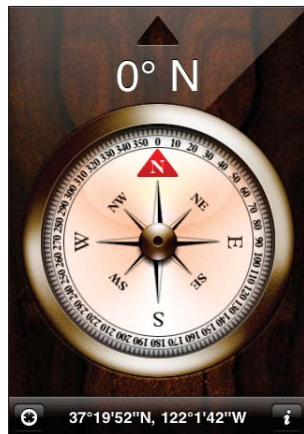


### About the Compass

The built-in compass shows which direction your iPhone is pointing and the geographical coordinates of your current location. You can have the compass point to magnetic north or true north.

**Important:** The accuracy of the compass can be affected by magnetic or environmental interference; even the magnets in the iPhone earbuds can cause a deviation. Use the digital compass only for basic navigation assistance and don't rely on it to determine precise location, proximity, distance, or direction.

**Note:** If location services is turned off when you open Compass, you may be asked to turn it on. You can use Compass without turning on location services. See "Location Services" on page 157.




## Calibrating the Compass

You need to calibrate the compass the first time you use it, and you may need to recalibrate it occasionally after that. iPhone alerts you if calibration is needed.

### Calibrate the internal compass:

- Wave iPhone in a figure eight.

---

Switch between true north and magnetic north: Tap .

---

## Finding Direction


### Find the direction your iPhone is pointing:

- Hold iPhone flat in your hand, level to the ground. Its heading appears at the top of the screen and location is displayed at the bottom.

## Using Compass with Maps



The Compass app can also show your current location and heading in Maps. For more information, see “Finding and Viewing Locations” on page 122.

### See your current location in Maps:

- Tap  at the bottom of the Compass screen. Maps opens and shows your current location with a blue marker.

---

### Show the direction you're facing

In Maps, tap  twice. The icon changes to . The angle shows the accuracy of the compass reading—the smaller the angle, the greater the accuracy.

---

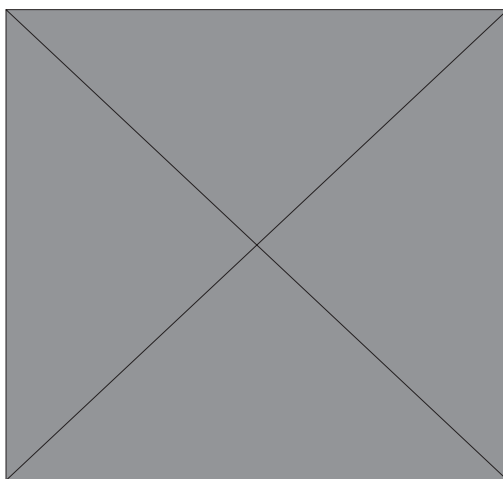
## Voice Memos



### About Voice Memos

Voice Memos lets you use iPhone as a portable recording device using the built-in microphone, iPhone or Bluetooth headset mic, or supported external microphone. Recordings using the built-in microphone are mono, but you can record stereo using an external stereo microphone.




**Note:** External microphones must be designed to work with the iPhone headset jack or Dock Connector. These include Apple-branded earbuds and authorized third-party accessories marked with the Apple “Made for iPhone” or “Works with iPhone” logo.




## Recording

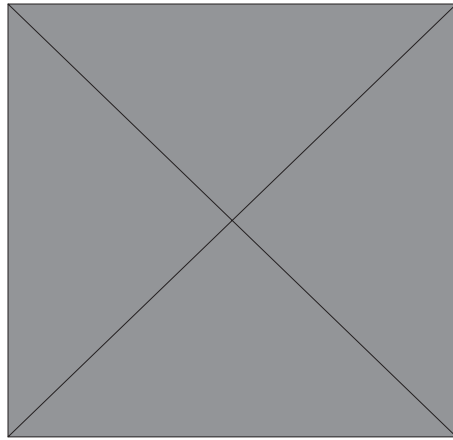
You can adjust the recording level by moving the microphone closer to or further away from what you're recording. For better recording quality, the loudest level on the level meter should be between  $-3$  dB and  $0$  dB.

### Record:

- Tap  or press the center button on the iPhone earphones. Tap  to pause or  to stop recording, or press the center button on the iPhone earphones.

Adjust recording level	Move the microphone closer to or further away from what you're recording. For better recording quality, the loudest level on the level meter should be between $-3$ dB and $0$ dB.
Play or mute the start/stop tone	Use the iPhone Ring/Silent switch. (In some countries or regions, the sound effects for Voice Memos are played even if the Ring/Silent switch is set to silent.)
Use another app while recording	To use another app while recording, press the Home  button and open an app. To return to Voice Memos, tap the red bar at the top of the screen.



## Listening to a Recording



### Play a recording:

- Tap , tap a memo, then tap . Tap  to pause.






Skip to any point in a recording	Drag the playhead along the scrubber bar.
Listen through the built-in speaker	Tap Speaker.
Trim a recording	Tap  next to the recording, then tap Trim Memo. Drag the edges of the audio region, tap  to preview, and then tap Trim Voice Memo to save.  <b>Important:</b> The portions you trim can't be recovered.

## Managing and Sharing Recordings

The default label for a recording is the time when it was recorded.

### Label a recording:

- Tap  next to the recording, tap  on the Info screen, then choose a label or choose Custom.

Delete a recording	Tap a recording in the list, then tap Delete.
View recording details	Tap  next to the recording.
Email a recording or send it in a message	Tap a recording in the list, then tap Share.

## Syncing Voice Memos

iTunes syncs voice memos to your iTunes library when you connect iPhone to your computer. This lets you listen to voice memos on your computer and provides a backup if you delete them from iPhone.

Voice memos are synced to the Voice Memos playlist. iTunes creates the playlist if it doesn't exist. When you sync voice memos to iTunes, they remain in the Voice Memos app until you delete them. If you delete a voice memo on iPhone, it isn't deleted from the Voice Memos playlist in iTunes. However, if you delete a voice memo from iTunes, it is deleted from iPhone the next time you sync with iTunes.

You can sync the iTunes Voice Memos playlist to the Music app on iPhone using the Music pane in iTunes.

### Sync the Voice Memos playlist to iPhone:

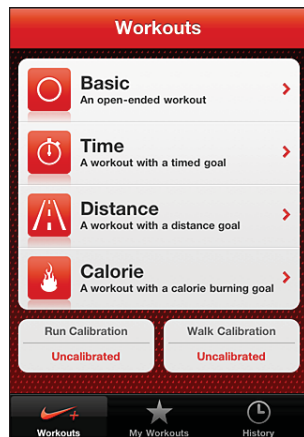
- 1 Connect iPhone to your computer.
- 2 In iTunes, select iPhone in the Devices list.
- 3 Select Music at the top of the screen.
- 4 Select the "Include voice memos" checkbox and click Apply.

## Nike + iPod



### Activating Nike + iPod

When turned on in Settings, the Nike + iPod app appears on the Home screen. With a Nike + iPod Sensor (sold separately), the Nike + iPod app provides audible feedback on your speed, distance, time elapsed, and calories burned during a run or walk. You can send your workout information to [nikeplus.com](http://nikeplus.com), where you can track your progress, set goals, and participate in challenges.



**Turn Nike + iPod on or off:** In Settings, choose Nike + iPod and turn Nike + iPod on or off. When Nike + iPod is turned on, its app icon appears on the Home screen.

See the Nike + iPod documentation for information about setting up and using Nike + iPod.

## Linking a Sensor

The first time you start a workout, you're prompted to activate your sensor, which automatically links the sensor with iPhone. You can also use Nike + iPod settings to link a sensor with iPhone.

Nike + iPod can link to only one sensor at a time. To use a different sensor, use Nike + iPod settings to link the new sensor.

### Link a sensor to iPhone:

- 1 Put the Nike + iPod sensor in your shoe.
- 2 In Settings on iPhone, choose Nike + iPod > Sensor.
- 3 Tap Link New, then walk around as instructed.
- 4 Tap Done when the sensor is linked.

## Working Out with Nike + iPod

After activating Nike + iPod and inserting the Nike + iPod Sensor in your Nike+ ready shoe, you can use Nike + iPod for your workouts.

### Work out using Nike + iPod:

- 1 In Nike + iPod on iPhone, tap Workouts, then choose a type of workout.
- 2 Depending on the workout, you may need to set a time, distance, or calorie goal.
- 3 Choose a playlist or other audio selection, then start your workout.
- 4 When you finish your workout, tap End Workout.

To turn on spoken feedback or set other options, see "Nike + iPod Settings" on page 188.

## Sending Workouts to Nikeplus.com

The first time you connect iPhone to iTunes after a workout, you're asked if you want to automatically send your workouts to Nike+ when you sync iPhone. Click Send to send your current workout to nikeplus.com and set iTunes to automatically send future workouts when you sync iPhone with iTunes.

If you click Don't Send, you can set iTunes to do this later.

### Set iTunes to automatically send workouts to nikeplus.com when you sync iPhone with iTunes:

- 1 Connect iPhone to your computer.  
Make sure your computer is connected to the Internet.
- 2 In iTunes, click Nike + iPod at the top of the screen, then select "Automatically send workout data to nikeplus.com."

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- 3 Click "Visit nikeplus.com" or click Visit in the dialog that appears.
- 4 Click Save Your Runs and log in, or register if you haven't already done so.

**Send workout data wirelessly to nikeplus.com from iPhone:**

- 1 In Nike + iPod on iPhone, tap History.  
Make sure iPhone is connected to the Internet.
- 2 Tap "Send to Nike+."
- 3 Enter your email address and nikeplus.com account password, then tap "Login to Nike +."

If you don't already have a nikeplus.com account, tap Join Nike+ to set one up.

To see your workouts on nikeplus.com, log in to your account and follow the onscreen instructions.

## Calibrating Nike + iPod

You calibrate Nike + iPod using a workout you just completed. You can only calibrate workouts of a quarter mile or more.

**Calibrate iPhone:**

- 1 Run or walk a known distance, then tap End Workout.
- 2 Tap Calibrate, then enter the distance and tap Done.

**Reset Nike + iPod to the default calibration:** In Settings, choose Nike + iPod, then tap Reset Calibration.

## Nike + iPod Settings

In Settings, choose Nike + iPod to activate and adjust settings for the Nike + iPod app.

**Choose a PowerSong:** Choose PowerSong and select a song from your music library.

**Turn spoken feedback on or off:** Choose Spoken Feedback and select a male or female voice to accompany your workout, or Off to turn off spoken feedback.

**Set a distance preference:** Choose Distance, then select Miles or Kilometers to measure your workout distance.

**Set your weight:** Choose Weight, then flick to enter your weight.

**Set the screen orientation:** Choose Lock Screen, then select a screen orientation preference.

**Set up the Nike + iPod Sensor:** Choose Sensor, then follow the onscreen instructions to set up your sensor (sold separately).

You can use a Nike+ compatible remote (sold separately) to control Nike + iPod wirelessly. Before using a remote for the first time, you must set it up on iPhone.

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**Set up the Nike + iPod remote:** Choose Remote, then follow the onscreen instructions to set up your remote (third-party product sold separately).

**Reset Nike + iPod to the default calibration:** Tap Reset Calibration.

# iBooks



## About iBooks

iBooks is a great way to read and buy books. Download the free iBooks app from the App Store, and then get everything from classics to best sellers from the built-in iBookstore. Once you download a book, it's displayed on your bookshelf.

Add ePub books and PDFs to your bookshelf using iTunes. Then tap a book or PDF to start reading. iBooks remembers your location, so you can easily return to where you left off. A wide range of display options makes the books easy to read.

**Note:** The iBooks app and the iBookstore may not be available in all languages or locations.



Available on the iBookstore. Title availability is subject to change.

To download the iBooks app and use the iBookstore, you need an Internet connection and an Apple account. If you don't have an Apple account, or if you want to make purchases from another Apple account, go to Settings > Store. See "Store settings" on page 154.

## Syncing books and PDFs

Use iTunes to sync your books and PDFs between iPhone and your computer. When iPhone is connected to your computer, the Books pane lets you select which items to sync.

You can sync books that you download or purchase from the iBookstore. You can also add DRM-free ePub books and PDFs to your iTunes library. There are several websites that offer books in ePub and PDF format.

### Sync an ePub book or PDF to iPhone

- 1 Download the book or PDF using your computer.
- 2 In iTunes, choose File > Add to Library and select the file.
- 3 Connect iPhone to your computer, select the book or PDF in the Books pane in iTunes, and then sync.

## Using the iBookstore

In the iBooks app, tap Store to open the iBookstore. From there, you can browse featured books or best sellers, and browse for books by author or topic. When you find a book you like, you can purchase and download it.

**Note:** Some features of the iBookstore may not be available in all locations.

### Purchase a book

- Find a book you want, tap the price, then tap Buy Now. Sign in to your Apple account, then tap OK.

Some books may be free for downloading.

Books that you purchase are synced to your iTunes library the next time you sync iPhone with your computer. This provides a backup in case you delete the book from iPhone.

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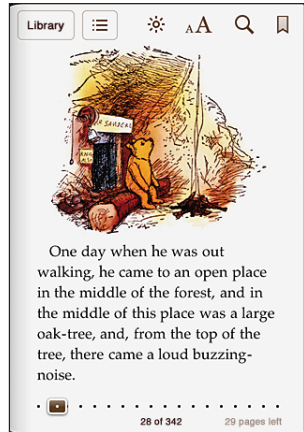
#### Get more information

In the iBookstore, you can read a summary of the book, read or write a review, and download a sample of the book before buying it.

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## Reading Books

Reading a book is easy. Go to the bookshelf and tap the book you want to read. If you don't see the book you're looking for, tap the name of the current collection at the top of the screen to go to other collections.



### Go to a specific page

- 1 Tap near the center of the current page to show the controls.
- 2 Drag the page navigation control at the bottom of the screen to the desired page, then let go.

---

#### Turn pages

Tap near the right or left margin of a page, or flick left or right. To change the direction the page turns when you tap the left margin, go to Settings > iBooks.

---

#### Go to the table of contents

Tap near the center of the current page to show the controls, then tap . Tap an entry to jump to that location, or tap Resume to return to the current page.

---

#### Add or remove a bookmark


Tap the ribbon button to set a bookmark. You can have multiple bookmarks.

To remove a bookmark, tap it.

You don't need to set a bookmark when you close a book, because iBooks remembers where you left off and returns there when you open the book again.

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<b>Add, remove, or edit a highlight</b>	Touch and hold any word until it's selected. Use the grab points to adjust the selection, then tap Highlight. To remove a highlight, tap the highlighted text, then tap Remove Highlight. To change the color of a highlight, tap the highlighted text, then tap Colors and select a color from the menu.
<b>Add, remove, or edit a note</b>	Touch and hold any word until it's selected. Use the grab points to adjust the selection, then tap Note. Type some text, then tap Done. To view a note, tap the indicator in the margin near the highlighted text. To remove a note, tap the highlighted text, then tap Delete Note. To change the color of a note, tap the highlighted text, then tap Colors and select a color from the menu.
<b>See all your bookmarks, highlights and notes</b>	To see the bookmarks, highlights, and notes you've added, tap  , then tap Bookmarks. To view a note, tap its indicator.
<b>Enlarge an image</b>	Double-tap the image.
<b>Read a book while lying down</b>	Use the portrait orientation lock to prevent iPhone from rotating the screen when you rotate iPhone. See "Viewing in Portrait or Landscape Orientation" on page 29
<b>TableDisplay</b>	Para

## Reading PDFs

You can use iBooks to read PDFs. Go to the bookshelf and tap Collections, select a collection, then tap the PDF you want to read.

### Go to a specific page



- 1 Tap near the center of the current page to show the controls.
- 2 In the page navigation controls at the bottom of the page, drag until the desired page number appears, or tap a thumbnail to jump to that page.

<b>Enlarge a page</b>	Pinch to zoom in on the page, then scroll to see the portion you want.
<b>Turn pages</b>	Flick left or right.
<b>Add or remove a bookmark</b>	Tap the ribbon button to set a bookmark. You can have multiple bookmarks. To remove a bookmark, tap it. You don't need to set a bookmark when you close a PDF, because iBooks remembers where you left off and returns there when you open it again.
<b>Go to the table of contents</b>	Tap near the center of the current page to show the controls, then tap  . Tap an entry to jump to that location, or tap Resume to return to the current page. If the author hasn't defined a table of contents, you can tap a page icon instead to go to that page.



## Changing a book's appearance

To change the appearance of a book, access the controls by tapping near the center of a page.

### Change the font or type size

- To reduce or enlarge the type size, tap , then in the list that appears, tap A or .
- To change the font, tap Fonts, then select one from the list.

Changing the font and size also changes text formatting.

<b>Change the brightness</b>	Tap  , then adjust the brightness.
<b>Change the page and type color</b>	Tap  , then turn the Sepia option on to change the color of the page and type. This setting applies to all books.
<b>Turn justification on or off</b>	Go to Settings > iBooks.
<b>Turn hyphenation on or off</b>	Go to Settings > iBooks.

## Searching books and PDFs

You can search for the title or author of a book to quickly locate it on the bookshelf. You can also search the contents of a book to find all the references to a word or phrase you're interested in. You can also send a search to Wikipedia or Google to find other related resources.

### Search in a book

- 1 Open a book and tap near the center of the page to show the controls.
- 2 Tap the magnifying glass, then enter a search phrase and tap Search.
- 3 Tap a search result to go to that page in the book.

Search for a book	Go to the bookshelf. If necessary, change to the collection that you want to search. Tap the status bar to scroll to the top of the screen, then tap the magnifying glass. Enter a word that's in the title of a book, or the author's name, then tap Search. Matching books appear on the bookshelf.
Search Wikipedia or Google	Tap Search Google or Search Wikipedia. Safari opens and displays the result.
Quickly search for a word in a book	Touch and hold the word, then tap Search.

## Looking up the Definition of a Word

You can look up the definition of a word using the dictionary.

### Look up a word

- Select a word in a book, then tap Dictionary in the menu that appears.

Dictionaries may not be available for all languages.

## Having a book read to you

If you have a visual impairment, you can use VoiceOver to read a book aloud. See “VoiceOver” on page 199.


Some books may not be compatible with VoiceOver.

## Printing or emailing a PDF

You can use iBooks to send a copy of a PDF via email, or to print all or a portion of the PDF to a supported printer.


You can only email or print PDFs. These options aren't available for ePub books.

### Email a PDF

- Open the PDF, then tap  and choose Email Document. A new message appears with the PDF attached. When you finish addressing and writing your message, tap Send.

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**Print a PDF**

Open the PDF, then tap  and choose Print. Select a printer and the page range and number of copies, then tap Print.

For more information, see “Printing” on page 37.

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## Organizing the bookshelf

Use the bookshelf to browse your books and PDFs. You can also organize items into collections.

### Move a book or PDF to a collection

- 1 Go to the bookshelf and tap Edit.
- 2 Tap each book or PDF that you want to move so that a checkmark appears.
- 3 Tap Move and select a collection.

When you add a book or PDF to your bookshelf for the first time, it’s put into the Books or PDF collection. From there, you can move it to a different collection. You might want to create collections for work and school, for example, or for reference and leisure reading.

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**View a collection**

Tap the name of the current collection at the top of the screen, then pick a new one from the list that appears.

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**Manage collections**

Tap the name of the current collection you’re viewing, such as Books or PDFs, to display the collections list.


Tap New to add a new collection.

To edit the name of a collection, tap its name.

You can’t edit or remove the built-in Books and PDFs collections.

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**Sort the bookshelf**

Go to the bookshelf and tap the status bar to scroll to the top of the screen, then tap  and select a sort method from the choices at the bottom of the screen.

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<b>Rearrange items on the bookshelf</b>	Touch and hold a book or PDF, then drag it to a new location on the bookshelf.
<b>Delete an item from the bookshelf</b>	<p>Go to the bookshelf and tap Edit. Tap each book or PDF that you want to delete so that a checkmark appears, then tap Delete. When you finish deleting, tap Done.</p> <p>If you delete a book you purchased, you can download it again from Purchases in the iBookstore. If you've synced your device with your computer, the book also remains in your iTunes Library.</p>

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## Bookmark and note Syncing

iBooks saves your bookmarks, notes, and current page information in your Apple account, so they're always up to date and you can read a book seamlessly across multiple devices. For PDFs, the bookmarks and current page information are synced.

### Turn bookmark syncing on or off

- Go to Settings > iBooks, then turn Sync Bookmarks on or off.

You must have an Internet connection to sync your settings. iBooks syncs information for all of your books when you open or quit the app. Information for individual books is also synced when you open or close the book.

## Automatic Downloads

You can set iPhone to automatically download books that you purchase with the same Apple ID on other devices—such as your iPad or your computer. See “Automatic downloads” on page 153.

# Accessibility

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## Universal Access Features

iPhone incorporates a variety of accessibility features, including:

- VoiceOver
- Zoom
- Large Text
- White on Black
- Speak Selection
- Speak Auto-text
- Custom Vibrations
- LED Flash for Alerts
- Mono Audio and balance
- AssistiveTouch
- Incoming calls audio routing
- Support for braille displays

With the exception of VoiceOver, these accessibility features work with all iPhone apps, including third-party apps you download from the App Store. VoiceOver works with all apps that come preinstalled on iPhone, and with many third-party apps.

For more information about iPhone accessibility features, go to [www.apple.com/accessibility](http://www.apple.com/accessibility).

Each accessibility feature can be turned on or off in Accessibility settings on iPhone. You can also turn accessibility features on or off in iTunes when iPhone is connected to your computer.

### Turn accessibility features on or off using iTunes:

- 1 Connect iPhone to your computer.
- 2 In iTunes, select iPhone in the Devices list.
- 3 In the Summary pane, click Configure Universal Access in the Options section.
- 4 Select the accessibility features that you want to use and click OK.

Large Text can only be turned on or off using iPhone settings. See “Large Text” on page 212.

You can turn closed captioning on or off in iPod settings. See “UNRESOLVABLE CROSS-REFERENCE” on page ###.

## VoiceOver

VoiceOver describes aloud what appears onscreen, so you can use iPhone without seeing it. VoiceOver speaks in the language specified in International settings, which may be influenced by the Region Locale setting.

**Note:** VoiceOver may not be available in all languages.

VoiceOver tells you about each element on the screen as it’s selected. When an element is selected, it’s enclosed by a black rectangle (the VoiceOver cursor) and VoiceOver speaks the name or describes the item. If text is selected, VoiceOver reads the text. If a control (such as a button or switch) is selected and Speak Hints is turned on, VoiceOver may tell you the action of the item or provide instructions for you—for example, “double-tap to open.”

When you go to a new screen, VoiceOver plays a sound and then selects and speaks the first element of the screen (typically, the item in the upper-left corner). VoiceOver also lets you know when the screen changes to landscape or portrait, and when it is locked or unlocked.

## Setting Up VoiceOver

**Important:** VoiceOver changes the gestures used to control iPhone. Once VoiceOver is turned on, you have to use VoiceOver gestures to operate iPhone—even to turn VoiceOver off again to resume standard operation.

**Turn VoiceOver on or off:** In Settings, choose General > Accessibility > VoiceOver and tap the VoiceOver On/Off switch.

You can also set Triple-click Home to turn VoiceOver on or off. See “Triple-Click Home” on page 215.

**Note:** You can’t use VoiceOver and Zoom at the same time.

**Turn spoken hints on or off:** In Settings, choose General > Accessibility > VoiceOver, and tap the Speak Hints On/Off switch. When Speak Hints is turned on, VoiceOver may tell you the action of the item or provide instructions for you—for example, “double-tap to open.” Speak Hints is turned on by default.

**Set the VoiceOver speaking rate:** In Settings, choose General > Accessibility > VoiceOver, and adjust the Speaking Rate slider.

**Add speaking rate to the rotor:** In Settings, choose General > Accessibility and tap to turn on “Include in Rotor.”

You can choose the kind of feedback you get when you type. You can set VoiceOver to speak characters, words, both, or nothing. If you choose to hear both characters and words, VoiceOver speaks each character as you type it, then speaks the whole word when you finish it by entering a space or punctuation.

**Choose typing feedback:** In Settings, choose General > Accessibility > VoiceOver > Typing Feedback. You can choose Characters, Words, Characters and Words, or Nothing for software keyboards and for an Apple Wireless Keyboard (see “Using an Apple Wireless Keyboard” on page 37).

<p><b>Use phonetics</b></p>	<p>In Settings, choose General &gt; Accessibility &gt; VoiceOver, then tap the Use Phonetics switch to turn it on.</p> <p>Use this feature when you type or read character-by-character, to help make clear which characters were spoken. When Use Phonetics is turned on, Voiceover first speaks the character, then speaks a word beginning with the character. For example, if you type the character “f,” VoiceOver speaks “f,” and then a moment later, “foxtrot.”</p>
<p><b>Use pitch change</b></p>	<p>In Settings, choose General &gt; Accessibility &gt; VoiceOver, then tap the Use Pitch Change switch to turn it on.</p> <p>VoiceOver uses a higher pitch when entering a letter, and a lower pitch when deleting a letter. VoiceOver also uses a higher pitch when speaking the first item of a group (such as a list or table) and a lower pitch when speaking the last item of a group.</p>

By default, VoiceOver uses the language that’s set for iPhone. You can set a different language for VoiceOver.


**Set the language for iPhone:** In Settings, choose General > International > Language, then select a language and tap OK. Some languages may be influenced by the Region Local setting. In Settings, choose General > International > Region Format and select the format.

**Set the language for VoiceOver:** In Settings, choose General > International > Voice Control, then choose the language.

If you change the language for iPhone, you may need to reset the language for VoiceOver.

**Set the rotor options for web browsing:** In Settings, choose General > Accessibility > VoiceOver > Web Rotor. Tap to select or deselect options. To change the position of an item in the list, touch ≡ next to the item, then drag up or down.



**Select the languages available in the Language rotor:** In Settings, choose General > Accessibility > VoiceOver > Language Rotor and tap to select the language or languages you want to appear in the Language rotor. To change the position of a language in the list, touch  next to the language and drag up or down.

The Language rotor is always available when you've selected more than one language.

## VoiceOver Gestures

When VoiceOver is turned on, the standard touchscreen gestures have different effects. These and some additional gestures let you move around the screen and control individual elements when they're selected. VoiceOver gestures include two- and three-fingers gestures to tap or flick. For best results when using two- and three-finger gestures, relax and let your fingers touch the screen with some space between them.

You can use standard gestures when VoiceOver is turned on, by double-tapping and holding your finger on the screen. A series of tones indicates that normal gestures are in force. They remain in effect until you lift your finger. Then VoiceOver gestures resume.

You can use different techniques to enter VoiceOver gestures. For example, you can enter a two-finger tap using two fingers from one hand, or one finger from each hand. You can also use your thumbs. Many find the "split-tap" gesture especially effective: instead of selecting an item and double-tapping, you can touch and hold an item with one finger, then tap the screen with another finger. Try different techniques to discover which works best for you.

If your gestures don't work, try quicker movements, especially for double-tapping and flicking gestures. To flick, try quickly brushing the screen with your finger or fingers. When VoiceOver is turned on, the VoiceOver Practice button appears, which gives you a chance to practice VoiceOver gestures before proceeding.

**Practice gestures:** In Settings, choose General > Accessibility > VoiceOver, then tap VoiceOver Practice. When you finish practicing, tap Done.

If you don't see the VoiceOver Practice button, make sure VoiceOver is turned on.

Here's a summary of key VoiceOver gestures:

### Navigating and Reading

- *Tap:* Speak item.
- *Flick right or left:* Select the next or previous item.
- *Flick up or down:* Depends on the Rotor Control setting. See "Rotor Control" on page 202.
- *Two-finger tap:* Stop speaking the current item.
- *Two-finger flick up:* Read all from the top of the screen.
- *Two-finger flick down:* Read all from the current position.

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- *Two-finger “scrub”*: Move two fingers back and forth three times quickly (making a “z”) to dismiss an alert or go back to the previous screen.
- *Three-finger flick up or down*: Scroll one page at a time.
- *Three-finger flick right or left*: Go to the next or previous page (such as the Home screen, Stocks, or Safari).
- *Three-finger tap*: Speak the scroll status (which page or rows are visible).
- *Four-finger tap at top of screen*: Select the first item on the page.
- *Four-finger tap at bottom of screen*: Select the last item on the page.
- *Four-finger flick up*: Select the first element on the screen.
- *Four-finger flick down*: Select the last element on the screen.

### Activating

- *Double-tap*: Activate the selected item.
- *Triple-tap*: Double-tap an item.
- *Split-tap*: An alternative to selecting an item and double-tapping is to touch an item with one finger, then tap the screen with another to activate an item.
- *Touch an item with one finger, tap the screen with another finger (“split-tapping”)*: Activate the item.
- *Double-tap and hold (1 second) + standard gesture*: Use a standard gesture.  
The double-tap and hold gesture tells iPhone to interpret the subsequent gesture as standard. For example, you can double-tap and hold, then without lifting your finger, drag your finger to slide a switch.
- *Two-finger double-tap*: Answer or end a call. Play or pause in iPod, YouTube, Voice Memos, or Photos. Take a photo (Camera). Start or pause recording in Camera or Voice Memos. Start or stop the stopwatch.
- *Three-finger double-tap*: Mute or unmute VoiceOver.
- *Three-finger triple-tap*: Turn the screen curtain on or off.

### Rotor Control

The rotor control is a virtual dial that you can use to change the results of up and down flick gestures when VoiceOver is turned on.

**Operate the rotor:** Rotate two fingers on the iPhone screen to “turn” the dial to choose between options.

The current setting appears on the screen and is spoken aloud.



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The effect of the rotor depends on what you're doing. For example, if you're reading text in an email you received, you can use the rotor to switch between hearing text spoken word-by-word or character-by-character when you flick up or down. If you're browsing a webpage, you can use the rotor setting to hear all the text (either word-by-word or character-by-character), or to jump from one element to another of a certain type, such as headers or links.

The following lists show the available rotor options, depending on the context of what you're doing.

### **Reading text**

Select and hear text by:

- Character
- Word
- Line

### **Browsing a webpage**

Select and hear text by:

- Character
- Word
- Line
- Heading
- Link
- Visited link
- Non-visited link
- In-page link
- Form control
- Table
- Row (when navigating a table)
- List
- Landmark
- Image
- Static text

Zoom in or out

### **Entering text**

Move insertion point and hear text by:

- Character
- Word

- Line

Select edit function

Select language

#### **Using a control (such as the spinner for setting the time in Clock)**

Select and hear values by:

- Character
- Word
- Line

Adjust the value of the control object

#### **Speaking (available only with the Apple Wireless Keyboard)**

Adjust VoiceOver speaking by:

- Volume
- Rate
- Typing echo
- Use pitch change
- Use Phonetics

See “Controlling VoiceOver Using an Apple Wireless Keyboard” on page 208.

You can select which rotor options appear for web browsing, and arrange their order. See “Setting Up VoiceOver” on page 199.

## **Using VoiceOver**

**Select items on the screen:** Drag your finger over the screen. VoiceOver identifies each element as you touch it. You can move systematically from one element to the next by flicking left or right with a single finger. Elements are selected from left-to-right, top-to-bottom. Flick right to go to the next element, or flick left to go to the previous element.

Use four-finger gestures to select the first or last element on a screen.

- *Select the first element on a screen:* Flick up with four fingers.
- *Select the last element on a screen:* Flick down with four fingers.

**Select an item by name:** Triple-tap with two fingers anywhere on the screen to open the Item Chooser. Then type a name in the search field, or flick right or left to move through the list alphabetically, or tap the table index to the right of the list and flick up or down to move quickly through the list of items.

**Change the name of a screen item to make it easier to find:** Tap and hold with two fingers anywhere on the screen.


**“Tap” a selected item when VoiceOver is turned on:** Double-tap anywhere on the screen.

**“Double-tap” a selected item when VoiceOver is turned on:** Triple-tap anywhere on the screen.


**Speak the text of an element, character-by-character or word-by-word:** With the element selected, flick up or down with one finger. Flick down to read the next character, or flick up to read the previous character. Use phonetics to have VoiceOver also speak a word beginning with the character being spoken. See “Setting Up VoiceOver” on page 199.

Twist the rotor control to have VoiceOver read word-by-word.

**Adjust a slider:** With a single finger, flick up to increase the setting or down to decrease the setting. VoiceOver announces the setting as you adjust it.

<p><b>Scroll a list or area of the screen</b></p>	<p>Flick up or down with three fingers. Flick down to page down through the list or screen, or flick up to page up. When paging through a list, VoiceOver speaks the range of items displayed (for example, “showing rows 5 through 10”).</p> <p>You can also scroll continuously through a list, instead of paging through it. Double-tap and hold. When you hear a series of tones, you can move your finger up or down to scroll the list. Continuous scrolling stops when you lift your finger.</p>
<p><b>Use a list index</b></p>	<p>Some lists have an alphabetical index along the right side. The index can’t be selected by flicking between elements; you must touch the index directly to select it. With the index selected, flick up or down to move along the index. You can also double-tap, then slide your finger up or down.</p>
<p><b>Reorder a list</b></p>	<p>Some lists, such as Favorites in Phone, and Web Rotor and Language Rotor in Accessibility settings can be reordered. Select  on the right side of an item, double-tap and hold until you hear a sound, then drag up or down. VoiceOver speaks the item you’ve moved above or below, depending on the direction you’re dragging.</p>

**Unlock iPhone:** Select the Unlock switch, then double-tap the screen.

**Rearrange the Home screen:** On the Home screen, select the icon you want to move. Double-tap and hold the icon, then drag it. VoiceOver speaks the row and column position as you drag the icon. Release the icon when it’s in the location you want. You can drag additional icons. Drag an item to the left or right edge of the screen to move it to a different page of the Home screen. When you finish, press the Home  button.

<b>Mute VoiceOver</b>	Double-tap with three fingers. Double-tap again with three fingers to turn speaking back on. To turn off only VoiceOver sounds, set the Ring/Silent switch to Silent.  If an external keyboard is connected, you can also press the Control key on the keyboard to mute or unmute VoiceOver.
<b>Stop speaking an item</b>	Tap once with two fingers. Tap again with two fingers to resume speaking. Speaking automatically resumes when you select another item.
<b>Turn the screen curtain on or off</b>	Triple-tap with three fingers. When screen curtain is on, the screen contents are active even though the display is turned off.
<b>Speak the entire screen from the top</b>	Flick up with two fingers.
<b>Speak from the current item to the bottom of the screen</b>	Flick down with two fingers.

You can hear iPhone status information by touching the top of the screen. This information can include the time, battery life, Wi-Fi signal strength, and more.

### Making Phone Calls with VoiceOver

Double-tap the screen with two fingers to answer or end a call. When a phone call is established with VoiceOver on, the screen displays the numeric keypad by default, instead of showing call options. This makes it easier to use the keypad to respond to a menu of options when you reach an automated system.

**Display call options:** Select the Hide Keypad button in the lower-right corner and double-tap.

**Display the numeric keypad again:** Select the Keypad button near the center of the screen and double-tap.

### Entering and Editing Text

When you enter an editable text field, you can use the onscreen keyboard or an external keyboard connected to iPhone to enter text.

There are two ways to enter text in VoiceOver—standard typing and “touch” typing. With standard typing, you select a key, then double-tap the screen to enter the character. With touch typing, you touch to select a key and the character is entered automatically when you lift your finger. Touch typing can be quicker, but may require more practice than standard typing.

VoiceOver also lets you use the editing features of iPhone to cut, copy, or paste in a text field.

**Enter text:**

- 1 Select a text field to bring up the onscreen keyboard.

You may need to double-tap to bring up the keyboard, if it doesn't appear automatically. VoiceOver will tell you if the text field "is editing" or if you need to "double-tap to edit."

If the field already contains text, the insertion point is placed either at the beginning or at the end of the text. Double-tap to move the insertion point to the opposite end. VoiceOver tells you the position of the insertion point.

- 2 Use the keyboard to type characters:

- *Standard typing:* Select a key on the keyboard by flicking left or right, then double-tap to enter the character. Or move your finger around the keyboard to select a key and, while continuing to touch the key with one finger, tap the screen with another finger to enter the character. VoiceOver speaks the key when it's selected, and again when the character is entered.
- *Touch typing:* Touch a key on the keyboard to select it, then lift your finger to enter the character. If you touch the wrong key, move your finger on the keyboard until you select the key you want. VoiceOver speaks the character for each key as you touch it, but doesn't enter a character until you lift your finger.

**Note:** Touch typing works only for the keys that actually enter text. Use standard typing for other keys such as Shift, Delete, and Return.

VoiceOver tells you when it thinks you've misspelled a word.


**Choose standard or touch typing:** With VoiceOver turned on and a key selected on the keyboard, use the rotor to select Typing Mode, then flick up or down.

**Move the insertion point:** Use the rotor to choose whether you want to move the insertion point by character, by word, or by line. By default, VoiceOver moves the insertion point character-by-character.

Flick up or down to move the insertion point forward or backward in the text. VoiceOver makes a sound when the insertion point moves, and speaks the character that the insertion point moves across.

When moving the insertion point by word, VoiceOver speaks each word as you move across it. When moving forward, the insertion point is placed at the end of the traversed word, before the space or punctuation that follows it. When moving backward, the insertion point is placed the end of the word *preceding* the traversed word, before the space or punctuation that follows it. To move the insertion point past the punctuation at the end of a word or sentence, use the rotor to switch back to character mode.

When moving the insertion point by line, VoiceOver speaks each line as you move across it. When moving forward, the insertion point is placed at the beginning of the next line (except when you reach the last line of a paragraph, when the insertion point is moved to the end of the line just spoken). When moving backward, the insertion point is placed at the beginning of the line that's spoken.

**Delete a character:** Select the , then double-tap or split-tap. You must do this even when touch typing. To delete multiple characters, touch and hold the Delete key, then tap the screen with another finger once for each character you want to delete. VoiceOver speaks the character as it's deleted. If Use Pitch Change is turned on, VoiceOver speaks deleted characters in a lower pitch.

**Select text:** Set the rotor to Edit, flick up or down to choose Select or Select All, then double tap. If you chose Select, the word closest to the insertion point is selected when you double-tap. If you chose Select All, the entire text is selected.

Pinch apart or together to increase or decrease the selection.

**Cut, copy, or paste:** Make sure the rotor is set to edit. With text selected, flick up or down to choose Cut, Copy, or Paste, then double-tap.

**Undo:** Shake iPhone, flick left or right to choose the action to undo, then double-tap.

**Enter an accented character:** In standard typing mode, select the plain character, then double-tap and hold until you hear a sound indicating alternate characters have appeared. Drag left or right to select and hear the choices. Release your finger to enter the current selection.

**Change the language you're typing in:** Set the rotor to Language, then flick up or down. Choose "default language" to use the language specified in International settings.

**Note:** The Language rotor appears only if you select more than one language in the VoiceOver Language Rotor setting. See "Setting Up VoiceOver" on page 199.

## Controlling VoiceOver Using an Apple Wireless Keyboard

You can control VoiceOver using an Apple Wireless Keyboard paired with iPhone. See "Using an Apple Wireless Keyboard" on page 37.

The VoiceOver keyboard commands let you navigate the screen, select items, read screen contents, adjust the rotor, and perform other VoiceOver actions. All the keyboard commands (except one) include Control-Option, abbreviated in the table below as "VO."

VoiceOver Help speaks keys or keyboard commands as you type them. You can use VoiceOver Help to learn the keyboard layout and the actions associated with key combinations.

### VoiceOver Keyboard Commands

VO = Control-Option



Read all, starting from the current position	VO-A
Read from the top	VO-B
Move to the status bar	VO-M
Press the Home button	VO-H
Select the next or previous item	VO-Right Arrow or VO-Left Arrow
Tap an item	VO-Space bar
Double-tap with two fingers	VO-""
Choose the next or previous rotor item	VO-Up Arrow or VO-Down Arrow
Choose the next or previous speech rotor item	VO-Command-Left Arrow or VO-Command-Right Arrow
Adjust speech rotor item	VO-Command-Up Arrow or VO-Command-Down Arrow
Mute or unmute VoiceOver	VO-S
Turn the screen curtain on or off	VO-Shift-S
Turn on VoiceOver help	VO-K
Return to the previous screen, or turn off VoiceOver help	Escape

### Quick Nav

Turn on Quick Nav to control VoiceOver using the arrow keys. Quick Nav is off by default.

Turn Quick Nav on or off	Left Arrow-Right Arrow
Select the next or previous item	Right Arrow or Left Arrow
Select the next or previous item specified by the rotor setting	Up Arrow or Down Arrow
Select the first or last item	Control-Up Arrow or Control-Down Arrow
"Tap" an item	Up Arrow-Down Arrow
Scroll up, down, left, or right	Option-Up Arrow, Option-Down Arrow, Option-Left Arrow, or Option-Right Arrow
Change the rotor	Up Arrow-Left Arrow or Up Arrow-Right Arrow

You can also use the number keys on the Apple Wireless Keyboard to dial a phone number in Phone or enter numbers in Calculator.

### Using Safari

When you search the web in Safari with VoiceOver on, the Search Results rotor items lets you hear the list of suggested search phrases.

**Search the web:**

- 1 Select the search field, then enter your search.
- 2 Select Search Results using the rotor.
- 3 Flick right or left to move down or up the list and hear the suggested search phrases.
- 4 Double-tap the screen to search the web using the current search phrase.

## Using Maps

With VoiceOver, you can zoom in or out, select pins, and get information about locations.

**Zoom in or out:** Use the rotor to choose zoom mode, then flick up or down to zoom in or out.

**Select a pin:** Touch a pin, or flick left or right to move from one item to another.

**Get information about a location:** With a pin selected, double-tap to display the information flag. Flick left or right to select the flag, then double-tap to display the information page.

## Editing Videos and Voice Memos

You can use VoiceOver gestures to trim Camera videos and Voice Memo recordings.

**Trim a voice memo:** On the Voice Memos screen, select the button to the right of the memo you want to trim, then double-tap. Then select Trim Memo and double-tap. Select the beginning or end of the trim tool. Flick up to drag to the right, or flick down to drag to the left. VoiceOver announces the amount of time the current position will trim from the recording. To execute the trim, select Trim Voice Memo and double-tap.

**Trim a video:** While viewing a video, double-tap the screen to display the video controls. Select the beginning or end of the trim tool. Then flick up to drag to the right, or flick down to drag to the left. VoiceOver announces the amount of time the current position will trim from the recording. To execute the trim, select Trim and double-tap.

## Using a Braille Display with VoiceOver

### Setting Up a Braille Display

You can use a refreshable Bluetooth braille display to read VoiceOver output in braille. In addition, braille displays with input keys and other controls can be used to control iPhone when VoiceOver is turned on. iPhone works with many wireless braille displays. For a list of supported displays, go to [www.apple.com/accessibility](http://www.apple.com/accessibility).

**Set up a braille display:**

- 1 Turn on the braille display.
- 2 On iPhone, turn on Bluetooth.

In Settings, choose General > Bluetooth, then tap the Bluetooth switch.

- 3 In Settings, choose General > Accessibility > VoiceOver > Braille, then choose the braille display.

**Turn contracted braille on or off:** In Settings, choose General > Accessibility > VoiceOver > Braille, then tap the Contracted Braille switch.

#### Choosing a Language

The braille display uses the language that's set for Voice Control. By default, this is the language set for iPhone in Settings > International > Language. You can use the VoiceOver language setting to set a different language for VoiceOver and braille displays.

**Set the language for VoiceOver:** In Settings, choose General > International > Voice Control, then choose the language.

If you change the language for iPhone, you may need to reset the language for VoiceOver and your braille display.

#### Controlling VoiceOver with Your Braille Display

You can set the leftmost or rightmost cell of your braille display to provide system status and other information:

- Announcement History contains an unread message
- The current Announcement History message hasn't been read
- VoiceOver speech is muted
- The iPhone battery is low (less than 20% charge)
- iPhone is in landscape orientation
- The screen display is turned off
- The current line contains additional text to the left
- The current line contains additional text to the right

**Set the leftmost or rightmost cell to display status information:** In Settings, choose General > Accessibility > VoiceOver > Braille > Status Cell, then tap Left or Right.

**See an expanded description of the status cell:** On your braille display, press the status cell's router button.

## Zoom

Many iPhone apps let you zoom in or out on specific elements. For example, you can double-tap or use the pinch gesture to expand webpage columns in Safari.

Zoom is also a special accessibility feature that lets you magnify the entire screen of any app you're using, to help you see what's on the display.

**Turn Zoom on or off:** In Settings, choose General > Accessibility > Zoom and tap the Zoom On/Off switch.

**Note:** You can't use VoiceOver and Zoom at the same time.

**Zoom in or out:** Double-tap the screen with three fingers. By default, the screen is magnified 200 percent. If you manually change the magnification (by using the tap-and-drag gesture, described below), iPhone automatically returns to that magnification when you zoom in by double-tapping with three fingers.

**Increase magnification:** With three fingers, tap and drag toward the top of the screen (to increase magnification) or toward the bottom of the screen (to decrease magnification). The tap-and-drag gesture is similar to a double-tap, except you don't lift your fingers on the second tap—instead, drag your fingers on the screen. Once you start dragging, you can drag with a single finger.

**Move around the screen:** When zoomed in, drag or flick the screen with three fingers. Once you start dragging, you can drag with a single finger so that you can see more of the screen. Hold a single finger near the edge of the display to pan to that side of the screen image. Move your finger closer to the edge to pan more quickly. When you open a new screen, Zoom always goes to the top-middle of the screen.

While using Zoom with an Apple Wireless Keyboard (see “Using an Apple Wireless Keyboard” on page 37), the screen image follows the insertion point, keeping it in the center of the display.

## Large Text

Large Text lets you make the text larger in alerts, and in Calendar, Contacts, Mail, Messages, and Notes. You can choose 20-point, 24-point, 32-point, 40-point, 48-point, or 56-point text.

**Set the text size:** In Settings, choose General > Accessibility, tap Large Text, then tap the text size you want.

## White on Black

Use White on Black to invert the colors on the iPhone screen, which may make it easier to read the screen. When White on Black is turned on, the screen looks like a photographic negative.

**Invert the screen's colors:** In Settings, choose General > Accessibility and tap the “White on Black” switch.

## Speak Selection

Even with VoiceOver turned off, you can have your iPhone read aloud any text you can select.

**Turn on Speak Selection and adjust speaking rate:**

- Settings > General > Accessibility > Speak Selection

**Have text read to you:**

- Select the text, then tap Speak.

## Speak Auto-text

Speak Auto-text speaks the text corrections and suggestions iPhone makes when you're typing.

**Turn Speak Auto-text on or off:** In Settings, choose General > Accessibility and tap the Speak Auto-text switch.

Speak Auto-text also works with VoiceOver or Zoom.

## Custom Vibrations

You can assign special vibration patterns to important contacts. Choose from existing patterns or create a new one.

**Turn on custom vibrations:**

- Settings > General > Accessibility > Custom Vibrations

---

**Choose the vibration pattern for a contact**

In Contacts, choose a contact, and then tap "vibration." If you don't see vibration in the contact info, tap Edit and add it.

---

**Create a new vibration pattern**

If you're already editing a contact, tap "vibration" and then tap Create New Vibration. You can also go to Settings > Sounds > Vibration > Create New Vibration.

---

**Set a custom pattern as the default**

Go to Settings > Sounds > Vibration and choose a pattern.

---

## LED Flash for Alerts

If you can't hear the sounds that announce incoming calls and other alerts, you can have iPhone flash its LED (next to the camera lens on the back of the iPhone. This only works when iPhone is locked or asleep.

**Turn on LED Flash for Alerts:**

- Settings > General > Accessibility > LED Flash for Alerts

## AssistiveTouch

AssistiveTouch helps you use iPhone if you have difficulty touching the screen or pressing the buttons. You can also use AdaptiveTouch with a joystick or other adaptive accessory. For information, see “Using AssistiveTouch with an Adaptive Accessory” on page 214.

### Turn AssistiveTouch on:

- Settings > General > Accessibility > AssistiveTouch

Show the menu button	Settings > General > Accessibility > AssistiveTouch > Always Show Menu
Perform a flick or drag that uses 2, 3, 4, or 5 fingers	Tap the menu button, tap Gestures, and then tap the number of digits needed for the gesture. When the corresponding circles appear on the screen, flick or drag in the direction required by the gesture. When you're finished, tap the menu button.
Perform a Pinch gesture	Tap the menu button, tap Favorites, and then tap Pinch. When the pinch circles appear, drag anywhere on the screen. Double tap to move the pinch circles. When you're finished, tap the menu button.
Create your own gesture	Tap the menu button, tap Favorites, and then tap an empty gesture placeholder. You can also go to Settings > General > Accessibility > AssistiveTouch > Create custom gesture.
Lock or rotate the screen, adjust iPhone volume, toggle ring/silent, or simulate shaking iPhone	Tap the menu button, then tap Device.
Simulate pressing the Home button	Tap the menu button, then tap Home.
Move the menu button	Drag it to any location on the screen.
Exit from a menu without performing a gesture	Tap anywhere outside the menu.

## Using AssistiveTouch with an Adaptive Accessory

You can use a compatible adaptive accessory (such as a joystick) together with AssistiveTouch to control iPhone. When your accessory is connected, you can use your accessory to control a blue cursor on the screen.

Adjust tracking speed	Settings > General > Accessibility > AssistiveTouch > Touch speed
Show or hide the AssistiveTouch menu	Click the secondary button on your accessory.
Hiding the menu button	Turn off Settings > General > Accessibility > AssistiveTouch > Always Show Menu.


## Mono Audio

Mono Audio combines the left and right stereo channels into a mono signal played through both channels. You can adjust the balance of the mono signal for greater volume on the right or left.

### Turn Mono Audio on and adjust balance:

- Settings > General > Accessibility > Mono Audio

## Triple-Click Home

Triple-click Home provides an easy way to turn some of the Accessibility features on or off when you press the Home  button quickly three times. You can set Triple-click Home to turn VoiceOver on or off, turn White on Black on or off, or present the options to:

- Turn VoiceOver on or off
- Turn White on Black on or off
- Turn Zoom on or off

Triple-click Home is turned off by default.

**Set the Triple-click Home function:** In Settings, choose General > Accessibility > Triple-click Home and choose the function you want.

## Closed Captioning and Other Helpful Features

Many iPhone features help make iPhone accessible to all users, including those with visual or auditory impairments.

### Closed Captioning

You can turn on closed captioning for videos in iPod settings. See “[UNRESOLVABLE CROSS-REFERENCE](#)” on page ###.

**Note:** Not all video content is encoded for closed captioning.

### Voice Control

Voice Control lets you make phone calls and control iPod music playback using voice commands. See “Voice Dialing” on page 61, and “Using Voice Control with iPod” on page 94.

### Large Phone Keypad

Make phone calls simply by tapping entries in your contacts and favorites lists. When you need to dial a number, iPhone’s large numeric keypad makes it easy. See “Phone Calls” on page 60.

## Widescreen Keyboards

Several apps let you rotate iPhone when you're typing, so you can use a larger keyboard:

- Mail
- Safari
- Messages
- Notes
- Contacts

## Visual Voicemail

The play and pause controls in visual voicemail let you control the playback of messages. Drag the playhead on the scrubber bar to repeat a portion of the message that's hard to understand. See "Checking Voicemail" on page 67.

## Assignable Ringtones

You can assign distinctive ringtones to individuals in your contacts list for audible caller ID. You can purchase ringtones from the iTunes Store on iPhone. See "Purchasing music, audiobooks, and tones" on page 146.

## Instant Messaging (IM) Chat

The App Store features many Internet Messaging (IM) apps, such as AIM, BeejiveIM, ICQ, and Yahoo! Messenger, that are optimized for iPhone.

## Minimum Font Size for Mail Messages

To increase readability, set a minimum font size for Mail message text to Large, Extra Large, or Giant. See "UNRESOLVABLE CROSS-REFERENCE" on page ###.

## TTY Support (Available in Some Areas)

Use iPhone in TTY mode with the iPhone TTY Adapter (available separately) to use a Teletype (TTY) machine. See "UNRESOLVABLE CROSS-REFERENCE" on page ###.

## Universal Access in Mac OS X

Take advantage of the Universal Access features in Mac OS X when you use iTunes to sync information and content from your iTunes library to iPhone. In the Finder, choose Help > Mac Help, then search for "universal access."

For more information about iPhone and Mac OS X accessibility features, go to [www.apple.com/accessibility](http://www.apple.com/accessibility).



## Hearing Aid Compatibility

The FCC has adopted hearing aid compatibility (HAC) rules for digital wireless phones. These rules require certain phones to be tested and rated under the American National Standard Institute (ANSI) C63.19-2007 hearing aid compatibility standards. The ANSI standard for hearing aid compatibility contains two types of ratings: an “M” rating for reduced radio frequency interference to enable acoustic coupling with hearing aids that are not operating in telecoil mode, and a “T” rating for inductive coupling with hearing aids operating in telecoil mode. These ratings are given on a scale from one to four, where four is the most compatible. A phone is considered hearing aid compatible under FCC rules if it is rated M3 or M4 for acoustic coupling and T3 or T4 for inductive coupling.

For current iPhone hearing aid compatibility ratings, go to [www.apple.com/iphone/specs.html](http://www.apple.com/iphone/specs.html).

Hearing aid compatibility ratings aren’t a guarantee that a particular hearing aid works with a particular phone. Some hearing aids may work well with phones that don’t meet particular ratings. To ensure interoperability between a hearing aid and a phone, use them together before purchase.

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

# International Keyboards

# A

International keyboards allow you to enter text in many different languages, including Asian languages and languages that are written from right to left.

## Adding keyboards



You enter different languages on iPhone by using different keyboards. By default, only the keyboard for the language you set for iPhone (in International settings) is available. To make keyboards for other languages available, use Keyboard settings.

### Add a keyboard:

- 1 In Settings, choose General > Keyboard > International Keyboards.  
The number before the arrow shows the number of keyboards currently enabled.
- 2 Tap Add New Keyboard, then choose a keyboard from the list.  
Repeat to add more keyboards. Some languages have multiple keyboards available.


For a list of supported iPhone keyboards, go to [www.apple.com/iphone/specs.html](http://www.apple.com/iphone/specs.html).

**Edit your keyboard list:** Choose General > Keyboard > International Keyboards, then tap Edit and do one of the following:


- To delete a keyboard, tap , then tap Delete.
- To reorder the list, drag  next to a keyboard to a new place in the list.

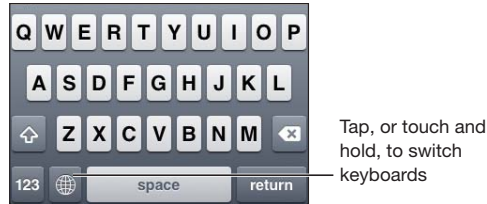
## Switching keyboards

To enter text in a different language, switch keyboards.

**Switch keyboards while typing:** Tap . When you tap the symbol, the name of the newly activated keyboard appears briefly. Continue tapping to access other enabled keyboards.

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You can also touch and hold  to show all enabled keyboards. To choose a keyboard from the list, slide your finger to the name of the keyboard, then release.



Many keyboards provide letters, numbers, and symbols that aren't visible on the keyboard.

**Type letters, numbers, or symbols that aren't on the keyboard:** Touch and hold the related letter, number, or symbol, then slide to choose a variation. On a Thai keyboard, for example, you can choose native numbers by touching and holding the related Arabic number.

## Chinese

You can use keyboards to enter Chinese using several different input methods, including Pinyin, Cangjie, Wubi Hua, and Zhuyin. You can also use your finger to write Chinese characters on the screen.

### Entering Simplified or Traditional Chinese Pinyin



Use the QWERTY keyboard to enter Pinyin for Chinese characters. As you type, suggested Chinese characters appear. Tap a suggestion to choose it, or continue entering Pinyin to see more options.

If you keep entering Pinyin without spaces, sentence suggestions appear.

### Entering Chinese Cangjie

Use the keyboard to build Chinese characters from the component Cangjie keys. As you type, suggested Chinese characters appear. Tap a character to choose it, or continue typing up to five total components to see more character options.

### Entering Simplified Chinese Stroke (Wubi Hua)

Use the keypad to build Chinese characters using up to five strokes in the correct writing sequence: from left to right, top to bottom, outside to inside, and from inside to the closing stroke (for example, the Chinese character  (circle) should begin with the vertical stroke .

As you type, suggested Chinese characters appear (the most commonly used characters appear first). Tap a character to choose it.

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If you're not sure of the correct stroke, enter an asterisk (\*). To see more character options, type another stroke, or scroll through the character list.

Tap the match (☑) key to show only characters that match exactly what you typed. For example, if you type 一 (one) and tap the match (☑) key, the less commonly used 二 (two) appears as an exact match.

### Entering Traditional Chinese Zhuyin

Use the keyboard to enter Zhuyin letters. As you type, suggested Chinese characters appear. Tap a suggestion to choose it, or continue entering Zhuyin letters to see more options. After you type an initial letter, the keyboard changes to show more letters.

If you keep entering Zhuyin without spaces, sentence suggestions appear.

### Entering handwritten Simplified or Traditional Chinese

Write Chinese characters directly on the screen with your finger. As you write character strokes, iPhone recognizes them and shows matching characters in a list, with the closest match at the top. When you choose a character, its likely follow-on characters appear in the list as additional choices.

You can get some complex characters by writing two or more component characters. For example, enter 鱼 (fish), then 毛 (bristle), to get 渔 (partial name of Hong Kong International Airport), which appears in the character list with an arrow next to it. Tap the character to replace the characters you entered.

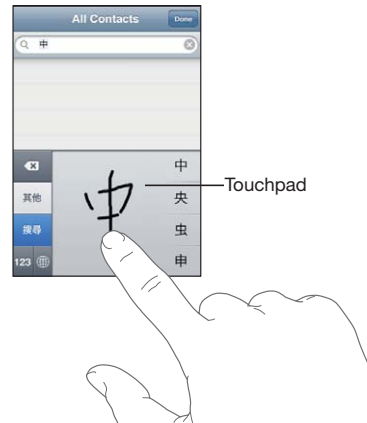
With Simplified Chinese handwriting, Roman characters are also recognized.

### Converting between Simplified and Traditional Chinese

Select the character or characters you want to convert, then tap Replace. See “Cut, Copy, and Paste” on page 35.

## Drawing Chinese Characters

When Simplified or Traditional Chinese handwriting formats are turned on, you can enter Chinese characters with your finger, as shown:



## Japanese

You can enter Japanese using the Kana, QWERTY, or Emoji keyboards. You can also enter facemarks.

### Entering Japanese Kana

Use the Kana keypad to select syllables. For more syllable options, tap the arrow key and select another syllable or word from the window.

### Entering Japanese QWERTY

Use the QWERTY keyboard to input code for Japanese syllables. As you type, suggested syllables appear. Tap the syllable to choose it.

### Entering Facemarks

Using the Japanese Kana keyboard, tap the “^\_^” key.

Using the Japanese Romaji keyboard (QWERTY-Japanese layout), tap the Number **123** key, then tap the “^\_^” key.

Using the Chinese (Simplified or Traditional) Pinyin or (Traditional) Zhuyin keyboards, tap the Symbols **#+=** key, then tap the “^\_^” key.

## Korean

Use the 2-Set Korean keyboard to type Hangul letters. To type double consonants or compound vowels, touch and hold the letter, then slide to choose the double letter.

## Vietnamese

Touch and hold a character to see the available diacritical marks, then slide to choose the one you want.

You can also type the following key sequences to enter characters with diacritical marks:

- aa—â (a circumflex)
- aw—ą (a caron)
- ee—ê (e circumflex)
- oo—ô (o circumflex)
- ow—ó (o hook)
- w—ú (u hook)
- dd—đ (d dash)
- as—á (a acute)
- af—à (a grave)
- ar—à (a question mark)
- ax—ã (a rising accent)
- aj—ạ (a drop tone)

# Support and Other Information

# B

## Apple iPhone Support Site


Comprehensive support information is available online at [www.apple.com/support/iphone](http://www.apple.com/support/iphone). You can also use Express Lane for personalized support (not available in all countries or regions). Go to [expresslane.apple.com](http://expresslane.apple.com).

## Restarting and resetting iPhone

If something isn't working right, try restarting iPhone, force quitting an app, or resetting iPhone.

**Restart iPhone:** Press and hold the On/Off Sleep/Wake button until the red slider appears. Slide your finger across the slider to turn off iPhone. To turn iPhone back on, press and hold the On/Off Sleep/Wake button until the Apple logo appears.

If you can't turn off iPhone or if the problem continues, you may need to reset iPhone. A reset should be done only if turning iPhone off and on doesn't resolve the problem.

**Force quit an app:** Press and hold the On/Off Sleep/Wake button for a few seconds until a red slider appears, then press and hold the Home  button until the app quits. You can also remove an app from the recents list to force it to quit. See "Opening and Switching Apps" on page 26.

**Reset iPhone:** Press and hold the On/Off Sleep/Wake button and the Home button at the same time for at least ten seconds, until the Apple logo appears.

## Backing up iPhone

iTunes creates backups of settings, downloaded apps and data, and other information on iPhone. You can use a backup to restore these items to your iPhone after a software restore or to transfer the information to another iPhone. See "Updating and restoring iPhone software" on page 225.

Backing up iPhone or restoring from a backup isn't the same as syncing content and other items (such as music, podcasts, ringtones, photos, videos, and apps that you download via iTunes) with your iTunes library. Backups include settings, downloaded apps and data, and other information on iPhone. After you restore iPhone, you need to sync again to get your music, videos, photos, apps, and other content back on iPhone. See "Restoring from a backup" on page 226.

Apps downloaded from the App Store are backed up the next time you sync with iTunes. Afterwards, only app data is backed up when you sync with iTunes.

## Creating a backup

iTunes creates a backup of iPhone when you:

- Sync with iTunes

By default, iTunes syncs iPhone each time you connect iPhone to your computer. See "Syncing with iTunes" on page 53. iTunes won't automatically back up an iPhone that isn't configured to sync with that computer. You can also sync manually by clicking Sync in iTunes. Note that iTunes creates a backup only once each time iPhone is connected to your computer, before the first sync that occurs. If you sync again, iTunes doesn't create another backup.
- Update iPhone

iTunes backs up iPhone before updating iPhone, even if it isn't configured to sync with iTunes on that computer.
- Restore iPhone (if you choose to back up)

iTunes asks if you want to back up iPhone before restoring it.

For more information about backups, including the settings and information stored in a backup, go to [support.apple.com/kb/HT1766](https://support.apple.com/kb/HT1766).

## Removing a backup

You can remove a backup of iPhone from the list of backups in iTunes. You may want to do this, for example, if a backup was created on someone else's computer.

### Remove a backup:

- 1 In iTunes, open iTunes Preferences.
  - *Mac*: Choose iTunes > Preferences.
  - *Windows*: Choose Edit > Preferences.
- 2 Click Devices (iPhone doesn't need to be connected).
- 3 Select the backup you want to remove, then click Delete Backup.
- 4 Confirm you wish to remove the selected backup by clicking Delete Backup.
- 5 Click OK to close the iTunes Preferences Window.



## Updating and restoring iPhone software

You can use iTunes to update or restore iPhone software.

- *If you update*, the iPhone software is updated. Your downloaded apps, settings, and data aren't affected.

**Note:** In some cases, an update may also involve restoring iPhone.

- *If you restore*, the latest version of iPhone software is reinstalled, settings are restored to their default, and all data stored on iPhone is deleted, including downloaded apps, songs, videos, contacts, photos, calendar information, and any other data. If you've backed up iPhone with iTunes on your computer, you can restore data from the backup at the end of the restore process.

Deleted data is no longer accessible via the iPhone user interface, but it isn't erased from iPhone. For information about erasing all content and settings, see "Resetting iPhone" on page 169.

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

For more information about updating and restoring iPhone software, go to support.apple.com/kb/HT1414.

### Updating iPhone

Make sure you have an Internet connection and have installed the latest version of iTunes from [www.apple.com/itunes](http://www.apple.com/itunes).

#### Update iPhone:

- 1 Connect iPhone to your computer.
- 2 In iTunes, select iPhone in the Devices list, then click Summary at the top of the screen.
- 3 Click "Check for Update." iTunes tells you if there's a newer version of the iPhone software available.
- 4 Click Update to install the latest version of the software.

### Restoring iPhone

Make sure you have an Internet connection and have installed the latest version of iTunes from [www.apple.com/itunes](http://www.apple.com/itunes).

#### Restore iPhone:

- 1 Connect iPhone to your computer.
- 2 In iTunes, select iPhone in the Devices list, then click Summary at the top of the screen.
- 3 Click "Check for Update." iTunes tells you if there's a newer version of the iPhone software available.

- 4 Click Restore. Follow the onscreen instructions to complete the restore process. When restoring, it is recommended that you back up iPhone when prompted.

When the iPhone software has been restored, you can either set it up as a new iPhone, or restore your music, videos, app data, and other content from a backup.

After you restore from a backup, previous data is no longer accessible through the iPhone user interface, but it isn't erased from iPhone. For information about erasing all content and settings, see "Resetting iPhone" on page 169.

### Restoring from a backup

You can restore the settings, app data, and other information from a backup, or use this feature to transfer these items to another iPhone. Make sure you have an Internet connection and have installed the latest version of iTunes from [www.apple.com/itunes](http://www.apple.com/itunes).

**Important:** Restoring from a backup is not the same as restoring iPhone from the Summary pane in iTunes. See "Restoring iPhone" on page 225. Restoring from a backup does not fully restore iPhone software. Also, restoring iPhone from a backup restores all data in the backup, including data for apps. If you choose an old backup, restoring from it could replace the app data with data that is not current.

If you restore iPhone from a backup of some other iPhone or iPod touch, some passwords and settings may not be restored. (Additional, but still not all, passwords and settings may be restored if the backup is encrypted.) For more information about the settings and information stored in a backup, go to [support.apple.com/kb/HT1766](http://support.apple.com/kb/HT1766).

#### Restore iPhone from a backup:

- 1 Connect iPhone to the computer you normally sync with.
- 2 In iTunes, Control-click iPhone in the Devices list and choose "Restore from Backup" from the menu that appears.
- 3 Choose the backup that you want to restore from the pop-up menu, then click Restore. If your backup is encrypted, enter your password.

### Safety, software, and service information

This table describes where to get more iPhone-related safety, software, and service information.

To learn about	Do this
Using iPhone safely	See the <i>Important Product Information Guide</i> at <a href="http://www.apple.com/support/manuals/iphone">www.apple.com/support/manuals/iphone</a> for the latest safety and regulatory information.
iPhone service and support, tips, forums, and Apple software downloads	Go to <a href="http://www.apple.com/support/iphone">www.apple.com/support/iphone</a> .
Service and support from your carrier	Contact your carrier or go to your carrier's website.
The latest information about iPhone	Go to <a href="http://www.apple.com/iphone">www.apple.com/iphone</a> .
Using iTunes	Open iTunes and choose Help > iTunes Help. For an online iTunes tutorial (may not be available in all countries and regions), go to <a href="http://www.apple.com/support/itunes">www.apple.com/support/itunes</a> .
Creating an Apple ID	Go to <a href="http://appleid.apple.com">appleid.apple.com</a> .
MobileMe	Go to <a href="http://www.me.com">www.me.com</a> .
Using iPhoto on Mac OS X	Open iPhoto and choose Help > iPhoto Help.
Using Address Book on Mac OS X	Open Address Book and choose Help > Address Book Help.
Using iCal on Mac OS X	Open iCal and choose Help > iCal Help.
Microsoft Outlook, Windows Address Book, or Adobe Photoshop Elements	See the documentation that came with those apps.
Finding your iPhone serial number, International Mobile Equipment Identity (IMEI), or Mobile Equipment Identifier (MEID)	You can find your iPhone serial number and IMEI (GSM models) or MEID (CDMA model) on the iPhone packaging. Or, on iPhone, choose Settings > General > About. In iTunes on your computer, hold down the Control key and choose Help > About iTunes (Windows) or iTunes > About iTunes (Mac), then release the Control key. (Press the Space bar to pause the scrolling.)
Obtaining warranty service	First follow the advice in this guide and online resources. Then go to <a href="http://www.apple.com/support">www.apple.com/support</a> or see the <i>Important Product Information Guide</i> at <a href="http://www.apple.com/support/manuals/iphone">www.apple.com/support/manuals/iphone</a> .
Battery replacement service	Go to <a href="http://www.apple.com/batteries/replacements.html">www.apple.com/batteries/replacements.html</a> .

## Using iPhone in an enterprise environment

Go to [www.apple.com/iphone/business](http://www.apple.com/iphone/business) to learn more about enterprise features of iPhone, including:

- Microsoft Exchange
- Installing configuration profiles

- CalDAV
- CardDAV
- IMAP
- LDAP
- VPN

## Using iPhone with other carriers

Some carriers let you unlock iPhone for use with their network. To determine if your carrier offers this option, go to [support.apple.com/kb/HT1937](https://support.apple.com/kb/HT1937).

Contact your carrier for authorization and setup information. You'll need to connect iPhone to iTunes to complete the process. Additional fees may apply.

For troubleshooting information, go to [support.apple.com/kb/TS3198](https://support.apple.com/kb/TS3198).

## Disposal and recycling information

**Apple Recycling Program (available in some areas):** For free recycling of your old mobile phone, a prepaid shipping label, and instructions, see: [www.apple.com/recycling](https://www.apple.com/recycling)

**iPhone disposal and recycling:** You must dispose of iPhone properly according to local laws and regulations. Because iPhone contains electronic components and a battery, iPhone must be disposed of separately from household waste. When iPhone reaches its end of life, contact local authorities to learn about disposal and recycling options, or simply drop it off at your local Apple retail store or return it to Apple. The battery will be removed and recycled in an environmentally friendly manner. For more information, see: [www.apple.com/recycling](https://www.apple.com/recycling)

**European Union—electronics and battery disposal information:**



This symbol means that according to local laws and regulations your product and its battery should be recycled separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities for the recycling of electronic equipment. The improper disposal of waste electronic equipment from the consumer may be subject to fines. The separate collection and recycling of your product and its battery at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

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For collection and recycling services for iPhone, go to: [www.apple.com/recycling/nationalservices/europe.html](http://www.apple.com/recycling/nationalservices/europe.html)

**Battery replacement for iPhone:** The rechargeable battery in iPhone should be replaced only by an authorized service provider. For battery replacement services go to: [www.apple.com/batteries/replacements.html](http://www.apple.com/batteries/replacements.html)

**Deutschland:** Dieses Gerät enthält Batterien. Bitte nicht in den Hausmüll werfen. Entsorgen Sie dieses Gerätes am Ende seines Lebenszyklus entsprechend der maßgeblichen gesetzlichen Regelungen.

**Nederlands:** Gebruikte batterijen kunnen worden ingeleverd bij de chemokar of in een speciale batterijcontainer voor klein chemisch afval (kca) worden gedeponeerd.

**Türkiye:** EEE yönetmeliğine (Elektrikli ve Elektronik Esyılalarda Bazı Zararlı Maddelerin Kullanımının Sınırlandırılmasına Dair Yönetmelik) uygundur.

台灣



廢電池請回收

**Brasil: Informações sobre descarte e reciclagem**



O símbolo acima indica que este produto e/ou sua bateria não devem ser descartadas no lixo doméstico. Quando decidir descartar este produto e/ou sua bateria, faça-o de acordo com as leis e diretrizes ambientais locais. Para informações sobre o programa de reciclagem da Apple, pontos de coleta e telefone de informações, visite [www.apple.com/br/environment](http://www.apple.com/br/environment).

## Apple and the environment

At Apple, we recognize our responsibility to minimize the environmental impacts of our operations and products. For more information, go to: [www.apple.com/environment](http://www.apple.com/environment)

## iPhone operating temperature

If the interior temperature of iPhone exceeds normal operating temperatures, you may experience the following as it attempts to regulate its temperature:

- iPhone stops charging
- the screen dims

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- the cellular signal is weak
- a temperature warning screen appears

**Important:** You cannot use iPhone while the temperature warning screen is displayed, except to make an emergency call. If iPhone can't regulate its internal temperature, it goes into deep sleep mode until it cools. You cannot make an emergency call when iPhone is in this mode. Move iPhone to a cooler location and wait a few minutes before trying to use iPhone again.

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