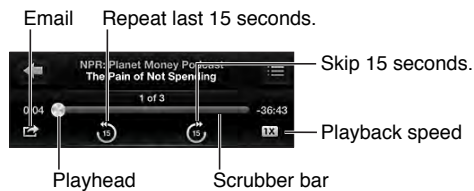


Show or hide the controls and info (iPhone 4S or earlier). Tap the center of the screen.



Playlists

Create playlists to organize your music. View Playlists, tap New Playlist near the top of the list, then enter a title. Tap to add songs and videos.

Edit a playlist. Select the playlist, then tap Edit.

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

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

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

Delete a song from iPhone. Tap Songs, swipe the song, then tap Delete. The song is deleted from iPhone, but not from your iTunes library on your Mac or PC, or from iCloud.

Genius—made for you

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

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

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

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



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

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

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

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

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

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

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

Siri and Voice Control

You can use Siri (iPhone 4S or later) or Voice Control to control music playback. See Chapter 4, [Siri](#), on page 43 and [Tell iPhone what to do](#) on page 27.

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

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

iTunes Match


iTunes Match stores your music library in iCloud—including songs imported from CDs—and lets you play your collection on iPhone and your other iOS devices and computers. It also lets you listen to iTunes Radio ad free. (See [iTunes Radio](#).) iTunes Match is offered as a paid subscription. To find out where it’s available, see support.apple.com/kb/HT5085.


Subscribe to iTunes Match in iTunes on your computer. Go to Store > Turn On iTunes Match, then click the Subscribe button.

Once you subscribe, iTunes adds your music, playlists, and Genius Mixes to iCloud. For more information, see www.apple.com/icloud/features.

Turn on iTunes Match. In Settings > Music. Turning on iTunes Match removes synced music from iPhone, and disables Genius Mixes and Genius Playlists.

Note: If “Use Cellular Data for iTunes” in Settings > General > Cellular is on, cellular data charges may apply.

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

Note: When iTunes Match is on, downloaded music is automatically removed from iPhone when space is needed, starting with the oldest and least played songs. iCloud icons () reappear for removed songs and albums, showing that the songs and albums are still available through iCloud, but not stored locally on iPhone.

Manually remove a song or album. Swipe sideways across the song or album, then tap Delete.

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

Remove iPhone from the list of associated devices using iTunes Match or Automatic Downloads. In iTunes on your computer, go to Store > View Account. Sign in, then click Manage Devices in the “iTunes in the Cloud” section.

Home Sharing

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

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

Play music from your iTunes library on iPhone.

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

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

Music settings

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

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

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

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

- Lyrics and podcast info
- Grouping by album artist

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

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

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

Messages

9



SMS, MMS, and iMessages

WARNING: For important information about avoiding distraction while driving, see [Important safety information](#) on page 138.



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


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

Send and receive messages




Tap the attach media button to include a photo or video.

Start a text conversation. Tap , then enter a phone number or email address. Or tap  and choose a contact. Enter a message, then tap Send.


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

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

Use picture characters. Go to Settings > General > Keyboard > Keyboards > Add New Keyboard, then tap Emoji to make that keyboard available. When typing a message, tap  to change to the Emoji keyboard. See [Special input methods](#) on page 137.


See a person's contact info. Tap Contact to see actions you can perform, such as making a FaceTime call.


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

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

Manage conversations

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

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

Delete a message. Touch and hold a message or attachment, tap More, select additional items if desired, then tap . To clear all text and attachments without deleting the conversation, tap Clear All.

Delete a conversation. In the Messages list, swipe the conversation, then tap Delete.

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


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

Sharing photos, videos, and other info

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

Send a photo or video. Tap .

Send items from other apps. Tap Share or , then tap Message.

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

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

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

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

Messages settings

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

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

Manage notifications for messages. See [UNRESOLVABLE CROSS-REFERENCE](#) on page ###.

Set the alert sound for incoming text messages. See [UNRESOLVABLE CROSS-REFERENCE](#) on page ###.

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Calendar

10



At a glance



Change calendars or accounts.

A day with a dot has events.

View invitations.

Search for events: Tap TK ICON, then enter text in the search field. The titles, invitees, locations, and notes for the calendars you're viewing are searched.

View a weekly calendar. Rotate iPhone sideways.

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

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

Invitations

FPO

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

Invite others to an event. Tap an event, tap Edit, then tap Invitees. Tap (+) TK ICON to select people from Contacts.

RSVP. Tap an invitation in the calendar. Or tap Inbox, then tap an invitation. If you add comments (which may not be available for all calendars) your comments can be seen by the organizer but not other attendees. To continue to see events that you declined, tap Calendars then turn on Show Declined Events.

Accept a meeting without blocking your schedule. Tap the event, then tap Availability and select “free.” The event stays on your calendar, but doesn’t appear as busy to others who send you invitations.

Working with multiple calendars



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

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

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

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

Move an event to another calendar. Tap the event, tap Edit, then select a calendar to move it to. You can subscribe to any calendar that uses the iCalendar (.ics) format. Supported calendar-based services include iCloud, Yahoo!, Google, and the Calendar application in OS X. You can read events from a subscribed calendar on iPhone, but you can’t edit events or create new ones.

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

Sharing iCloud calendars



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

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

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

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

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

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

Calendar settings

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

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

- Which day starts the week

DRAFT

Photos

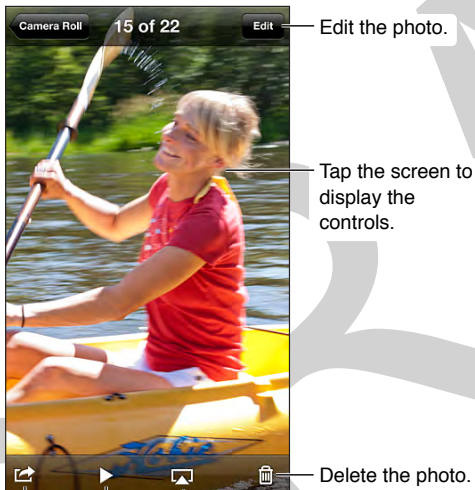
11



Viewing photos and videos

Photos lets you view your:

- Camera Roll—photos and videos you took on iPhone, or saved from an email, text message, webpage, or screenshot
- Photo streams—photos in My Photo Stream and your shared photo streams (see [Photo Stream](#) on page 73)
- Photos and videos synced from your computer (see [Syncing with iTunes](#) on page 17)



Edit the photo.

Tap the screen to display the controls.

Delete the photo.

Stream photos using AirPlay.

Play a slideshow.

Share the photo, assign it to a contact, use it as wallpaper, or print it.

View all photos and videos. Tap Photos. Photos automatically organizes your photos and videos by specific times and places (Moments), by related moments (Collections), and by year. To quickly browse the photos in a collection or year, touch the set of photos, then drag.

You can also view items you've posted and your shared photo streams (tap Shared), and your Camera Roll, My Photo Stream, and albums you've created (tap Albums).

Albums you sync with iPhoto 8.0 (iLife '09) or later, or Aperture v3.0.2 or later, can be viewed by events or by faces.

When viewing a photo or video, tap to show and hide the controls. Swipe left or right to see the next or previous photos or video.

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

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

Play a slideshow. Tap the action button, then tap Slideshow. Select options, then tap Start Slideshow. To stop the slideshow, tap the screen. To set other options, go to Settings > Photos & Camera.

To stream a slideshow or video to a TV, see [AirPlay](#) on page 33.

Organize your pix and videos

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

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

Add items to an existing album. When viewing thumbnails, tap Select, tap Add, select items, then tap Done.

Manage albums. When viewing your list of albums, tap Edit.

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

Only albums created on iPhone can be renamed or deleted.

Photo Stream

With Photo Stream, a feature of iCloud (see [iCloud](#) on page 16), take a photo <<or video on one device and it automatically appears on all your other devices. Use Photo Sharing to share select photos and videos with friends and family.

Stream photos to all your devices

Take a photo or video on iPhone, and get it on all your other devices. Turn on My Photo Stream at Settings > Photos & Camera. (You can also turn on My Photo Stream at Settings > iCloud > Photos.)

Photos are added to your photo stream in iCloud after you leave the Camera app and iPhone is connected to the Internet via Wi-Fi. All photos added to your Camera Roll—including screen shots and photos saved from email, for example—appear in your photo stream.

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

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

Manage photo stream contents. In a photo stream album, tap Select.

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

- *Delete photos:* Select the photos, then tap Delete.

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

Photo Sharing


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

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

Turn on Photo Sharing: Go to Settings > Photos & Camera. (You can also turn on Photo Sharing at Settings > iCloud > Photos.)

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

- *Invite other iOS or OS X users to subscribe:* Enter their email addresses.

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



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

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

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

Sharing photos and videos

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


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

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

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

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


Save a photo or video from:

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

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

Printing photos

Print to AirPrint-enabled printers:

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

See [Print with AirPrint](#) on page 33.

Photos settings

Settings for Photos are at Settings > Photos & Camera. Photos settings include:


- My Photo Stream and Photo Sharing
- Slideshow

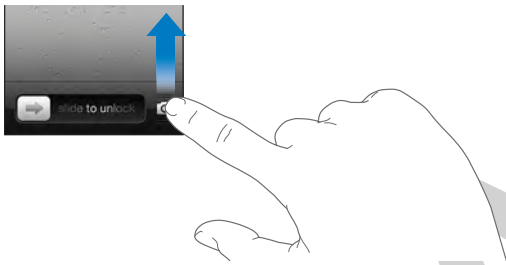
Camera

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At a glance

Quick! Get the camera! From the lock screen, just swipe .



With iPhone, you can take both still photos and HD videos. And, there's two cameras—in addition to the iSight camera on the back, the FaceTime camera on the front lets you make FaceTime calls and take self-portraits. The LED flash on the back provides extra light when you need it—even as a flashlight, a flick away in the Control Center. See [Control Center](#) on page 28.

View the photos and videos you've taken.

Set LED flash mode.

Turn on the grid or HDR, or take a Panorama photo.

Take a photo.

Camera/Video switch

Tap a person or object to focus and set exposure.

Switch between cameras.

Take photos and videos

Camera features several photo and video modes, which let you shoot stills, square format, panoramas, videos, and slow motion.




Choose Camera mode. Slide the screen above the shutter button.

In addition to using the shutter button, you can press either of the volume buttons to take a photo or start and stop a video—handy for shooting in landscape orientation.

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

Snap a still while recording a video. Tap .

Take a panoramic photo. (iPhone 4S or later.) Tap , then pan slowly in the direction of the arrow. For a reverse pan, first tap the arrow. For a vertical pan, first rotate iPhone to landscape orientation.

Focus and exposure are automatic, but you can set the focus and exposure manually for the next shot by tapping an object or area on the screen. (Face detection is temporarily turned off.) To lock the focus and exposure until you tap the screen again, touch and hold until the rectangle pulses.

Zoom in or out. (iSight camera only.) Stretch or pinch the image on the screen.

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

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

HDR


HDR (“high dynamic range”) blends the best parts of three separate exposures into a single photo. Tap HDR to turn it on (which also turns off the flash). For best results, keep both camera and subject still. When you keep the normal photo in addition to the HDR version (go to Settings > Photos and Camera), HDR appears in the corner of the HDR version when viewed in your Camera Roll with the controls visible.

View, share, and print

Photos and videos you take are saved in your Camera Roll. With Photo Stream, new photos also appear in your Photo Stream on iPhone and your other iOS devices and computers. See [Photo Stream](#) on page 73.

View your Camera Roll: Tap the thumbnail image. Swipe left or right. (You can also view the Camera Roll in the Photos app.)

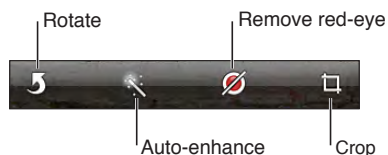
Tap the screen to show or hide the controls.

Get sharing and printing options. Tap . See [AirDrop, iCloud, and other ways to share](#).

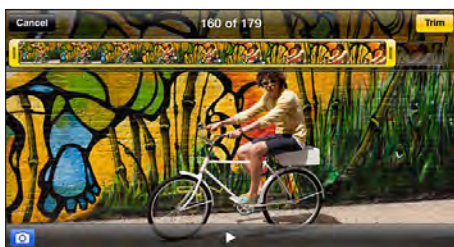
Upload photos and videos to your computer. Connect iPhone to your computer to upload items to iPhoto or other supported applications on your Mac or PC. If you delete photos or videos in the process, they're removed from your Camera Roll album.

Sync photos and videos (Mac only) to iPhone from your computer: Use the iTunes Photos settings pane. See [Syncing with iTunes](#) on page 17.

Edit photos and trim videos



You can edit photos right on iPhone. While viewing a photo in full screen, tap Edit, then tap one of the tools. Auto-enhance improves a photo's overall darkness or lightness, color saturation, and other qualities. Photo filters lets you apply different color effects, including black & white. Don't like the results? Tap the tool again to return to the original. With the Remove Red-eye tool, tap each eye that needs correcting. Crop by dragging the corners of the grid. Drag the photo to reposition it, then tap Crop.



You can trim videos too. Tap the screen to display the controls, drag either end of the frame viewer, then tap Trim.

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

Camera settings

Go to Settings > Photos & Camera to:

- Turn on photo streams
- Set slideshow options

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

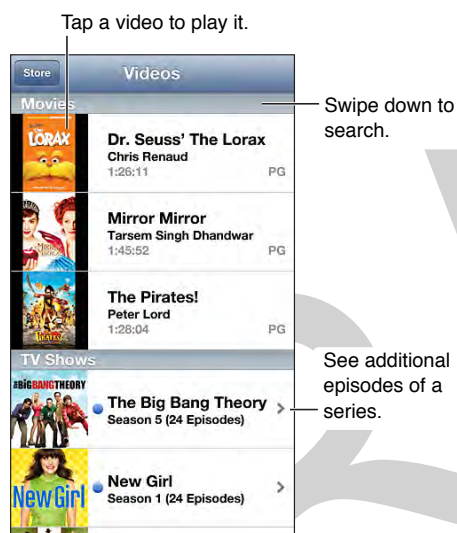
Videos

13



At a glance

Use the Videos app to watch movies, TV shows, and music videos. To watch video podcasts, install the free Podcasts app from the App Store. See Chapter 31, [Podcasts](#), on page 115. To watch videos you record using Camera on iPhone, open the Photos app.



WARNING: For important information about avoiding hearing loss, see [Important safety information](#) on page 138.

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

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

Add videos to your library

FPO

Buy or rent videos from the iTunes store. Tap Store in the Videos app, or open the iTunes app on iPhone and tap Videos. See Chapter 22, [iTunes Store](#), on page 97. The iTunes store is not available in all areas.

Transfer videos from your computer. Connect iPhone, then sync videos in iTunes on your computer. See [Syncing with iTunes](#) on page 17.

Stream videos from your computer. Turn on Home Sharing in iTunes on your computer. Then, on iPhone, go to Settings > Videos and enter the Apple ID and password you used to set up Home Sharing on your computer. Then, open Videos on iPhone and tap Shared at the top of the list of videos.

Convert a video to work with iPhone: If you try to add a video from iTunes to iPhone and a message says the video can't play on iPhone, you can convert the video. Select the video in your iTunes library and choose File > Create New Version > "Create iPod or iPhone Version." Then add the converted video to iPhone.

Delete a video: Swipe left or right over the video in the list. Deleting a video (other than a rented movie) from iPhone doesn't delete it from your iTunes library. When you delete a video (other than a rented movie) from iPhone, it isn't deleted from your iTunes library on your computer, and you can sync the video back to iPhone later. If you don't want to sync the video back to iPhone, set iTunes to not sync the video. See [Syncing with iTunes](#) on page 17.

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

Control playback



Scale the video to fill the screen or fit to the screen. Tap or . Or, double-tap the video to scale without showing the controls.

Start over from the beginning. If the video contains chapters, drag the playhead along the scrubber bar all the way to the left. If there are no chapters, tap .

Skip to the next or previous chapter (if available). Tap or . You can also press the center button or equivalent on a compatible headset two times (skip to next) or three times (skip to previous).

Rewind or fast-forward. Touch and hold or .

Select a different audio language (if available). Tap , then choose a language from the Audio list.

Show or hide subtitles (if available). Tap , then choose a language, or Off, from the Subtitles list.

Show or hide closed captioning (if available). Go to Settings > Videos.

Watch the video on a TV: See [AirPlay](#) on page 33.

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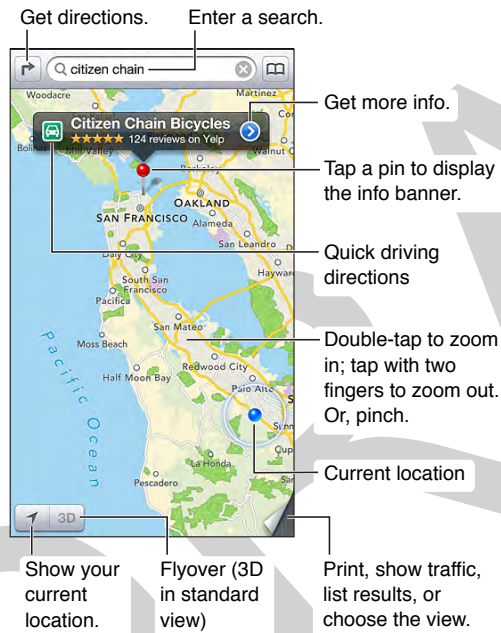
Maps

14




Find places

WARNING: For important information about navigating safely and avoiding distraction while driving, see [Important safety information](#) on page 138.



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

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

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

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

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


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

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

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



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

Get more info

To get more info about a location, tap a location pin to display its banner, then tap . Info might include Yelp reviews and photos, a phone number (tap to call it!), home page (tap to visit it), directions, and more.

Tap Share to share the location using AirDrop, email, text. If you have Twitter or Facebook accounts, you can also tweet or post a location. See [AirDrop, iCloud, and other ways to share](#) on page 31.


Get directions


Let Maps help you get to where you’re going. For driving directions, tap , tap , enter the starting and ending locations, then tap Route. Or, choose a location or a route from the list, when available. If multiple routes appear, tap the one you want to take. Tap Start to begin.



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



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

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

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

For instant directions from your current location: Tap  on the banner of your destination. If you’re a walker, set preferred directions to Walking at Settings > Maps.



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

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

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

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

3D and Flyover

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

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



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Maps settings

Go to Settings > Map. Settings include:

- Navigation voice volume (iPhone 4S or later)
- Map labels always appear in your language (as specified at Settings > General > International > Language).

Weather

15



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



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

To add a city or make other changes, tap ⓘ.

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

Swipe left or right to see weather for another city. The leftmost screen shows your local weather.

View the current hourly forecast:

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

Turn local weather on or off: Go to Settings > Privacy > Location Services. See **UNRESOLVABLE CROSS-REFERENCE** on page ###.

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

Use iCloud to push your list of cities to your other iOS devices: Go to Settings > iCloud > Documents & Data, then turn on Documents & Data (it's on by default). See [iCloud](#) on page 16.

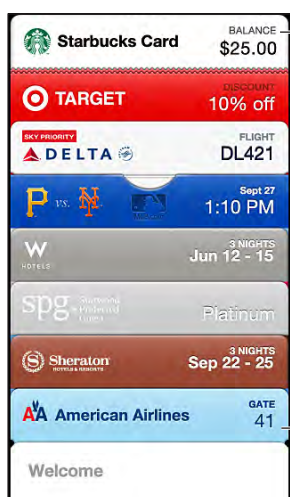
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Passbook

16



Use Passbook to keep boarding passes, movie tickets, coupons, gift cards, and more, all in one place. Add passes from airlines, theaters, stores, and other participating merchants. Scan a pass on iPhone to check in for a flight, get in to a movie, or redeem a coupon.

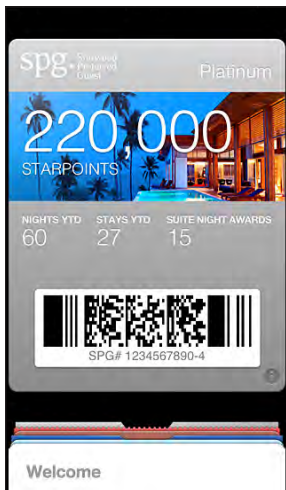


— Tap a pass to view it.

Passes can include useful information, such as the balance on your coffee card, a coupon's expiration date, or your seat number for a concert. Some passes may also appear on your Lock screen when you wake iPhone at the right time or place—for example, when you reach the airport for a flight you're taking. (Location Services must be on in Settings > Privacy > Location Services.)

Find apps that support Passbook in the App Store. Tap "Apps for Passbook" on the Welcome pass. See www.itunes.com/passbookapps.

Use a pass. If an alert for a pass appears on the lock screen, slide the alert to display the pass. Or, open Passbook, select the pass, then present the barcode on the pass to the scanner.



Passes are usually updated automatically. To refresh a pass manually, tap ⓘ, then pull the pass downward.

Want to know more about a pass? Tap ⓘ.

Add a pass. You can add a pass from an app, email or Messages message, or website when you make a purchase or receive a coupon or gift. For example, tap Add to Passbook in the Fandango app when you purchase a ticket for a theater that supports scannable passes.

Done with a pass? Tap ⓘ, then tap 🗑️.

Passbook settings

Prevent passes from appearing on your Lock screen. Go to Settings > General > Passcode Lock and tap Turn Passcode On. Then go to Allow Access When Locked and turn Passbook off. To prevent a specific pass from appearing on your Lock screen, tap ⓘ, then turn off Show On Lock Screen.

Set notification options. Go to Settings > Notifications > Passbook.

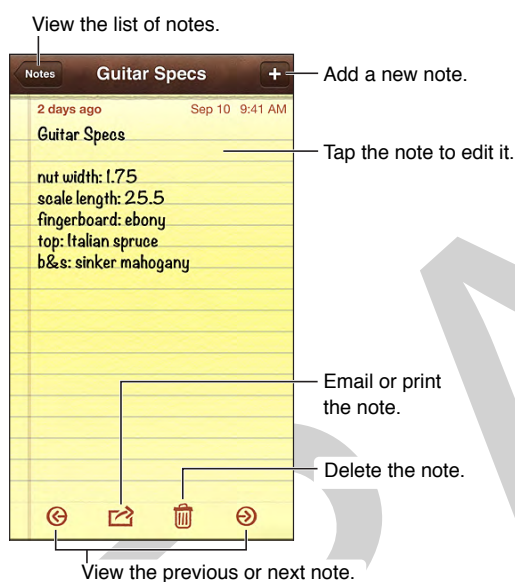
Include passes on your other iPhone or iPod touch. Go to Settings > iCloud and turn on Passbook.

Notes

17



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



Synchronize your notes with your other devices. If you use an icloud.com, me.com, or mac.com email address for iCloud, go to Settings > iCloud and turn on Notes. If you use Gmail or another IMAP account for iCloud, go to Settings > Mail, Contacts, Calendars and turn on Notes for the account. Your notes are synchronized with all your other iOS devices and Mac computers that use the same Apple ID.

Share notes with other accounts. You can share notes with other accounts such as Google, Yahoo!, or AOL. Go to Settings > Mail, Contacts, Calendars and turn on Notes for the account. To create a note in a specific account, tap Accounts at the top of the notes list in Notes, select the account, then tap New. Look for notes you create in the account on iPhone to show up in the notes folder of the account.

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

See notes in a specific account. Tap Accounts at the top of the notes list, then choose the account.

Delete a note without reading it. Swipe left over the note in the list.

Search for notes. Scroll to the top of a notes list to reveal the search field, then tap the field and type what you're looking for. You can also search for notes from the Home screen. See [Search](#) on page 27.

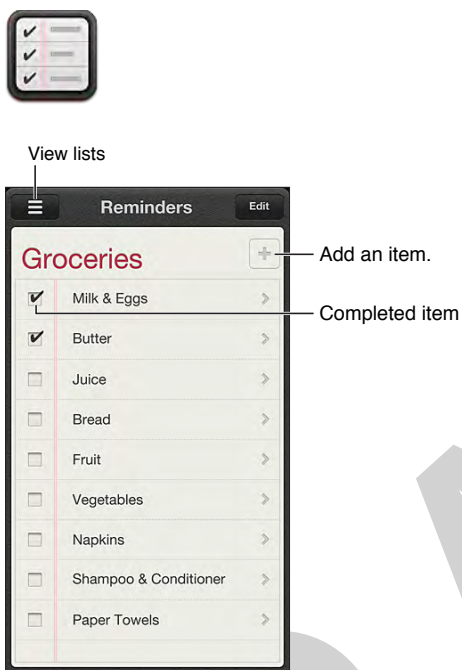
Print or share a note. Tap  at the bottom of the note.

Change the font: Go to Settings > Notes.

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Reminders

18



Add a new reminder. Tap an empty spot in the list. You can choose which of your Mail, Contacts, and Calendars accounts is used to save the reminder. Outlook and Microsoft Exchange accounts don't support location-based reminders.

Delete a list. Beats me. Good luck with that.

Delete a reminder. Swipe the reminder to the left, then tap Delete.

Change the order of lists. Touch and hold the list name, then drag the list to a new location.

Get reminded when you arrive or leave a location. While editing a reminder, tap "Where?". Choose a location from the list, or enter an address. After you define a location, drag to change the size of the geofence on the map to set the approximate distance from the location you want to be reminded.

Add common locations to your address card. When you set a location reminder, locations in the list include addresses from your personal info card in Contacts. Add your work, home, or other favorite addresses to your card for fast access in Reminders.

What list was that in? Pull down the list view to see the search field. All lists are searched at once, by name of the reminder. You can also use Siri to find reminders. Say "Find the reminder about milk."

Don't bother me now. You can turn off Reminder notifications. Go to Settings > Notifications. To silence them temporarily, turn on Do Not Disturb.

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

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

Set a default list for new reminders: Go to Settings > Reminders.

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Clock

19



Add clocks to show the time in other major cities and time zones. To add a clock, tap +, then type or choose a city (or a nearby city in the same time zone). Tap Edit to reorder or delete clocks.



Alarms and timers

Want iPhone to wake you? Set an alarm by tapping Alarm, then tapping +. Choose your wake-up time. Tap Edit, then tap > to change an alarm's settings, or tap to delete.

No wasting time! You can also use the stopwatch to keep time and record lap times, and set a timer to alert you when time's up. A quick way to set a timer is to tell Siri to "Set the timer for 3 minutes," for example.

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

Stocks

20



Keep track of the major exchanges and your stock portfolio, see the change in value over time, and get news about the companies you're watching.



To manage your stock list, tap **i**.

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

When viewing stock info, you can tap any of the values along the right side of the screen to switch the display to price change, market capitalization, or percentage change. Swipe the info beneath the stock list to see the summary, chart, or news for the selected stock. Tap a news headline to view the article in Safari.

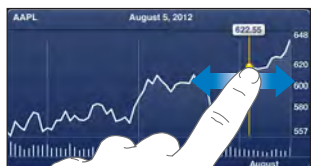
Add a news article to your reading list: Touch and hold the news headline, then tap Add to Reading List.

See more stock information at yahoo.com: Tap **!**.

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

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

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



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



Use iCloud to keep your stock list up to date on your iOS devices: Go to Settings > iCloud > Documents & Data, then turn on Documents & Data (it's on by default). See [iCloud](#) on page 16.

Newsstand

21



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



Find Newsstand apps.

Touch and hold a publication to rearrange.

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

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

Don't want new issues to download automatically? Go to Settings > Newsstand. If an app supports it, Newsstand downloads new issues when connected to Wi-Fi.

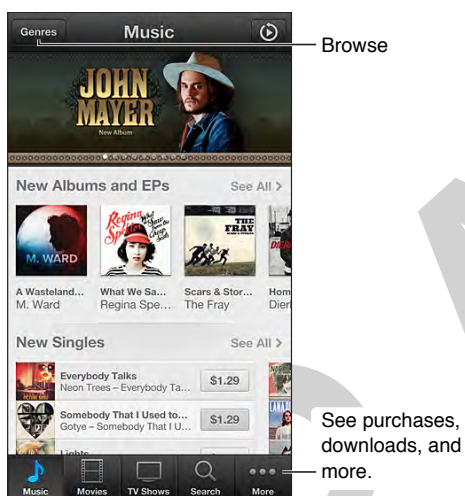
iTunes Store

22



iTunes Store at a glance

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



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

Browse or search

Just want to browse the store? Tap one of the categories. Tap Genres to refine the listings. Tap an item to see more about it.

Image

If you know what you're looking for, tap Search. Enter info in the Search field, then tap Search again.


Preview a song or video. Tap it.

Tired of tapping More? To rearrange the buttons, tap More, then tap Edit and drag a button over the one you want to replace. Then tap Done.

Image

Purchase, rent, or redeem

Tap an item's price (or tap Free), then tap again to buy it. If you see Download instead of a price, you've already purchased the item and can download it again without a charge.

Use a gift card or code. Tap a category (like Music), scroll to the bottom, and tap Redeem. To send a gift, view the item you want to give, then tap  and Gift.

See the progress of a download. Tap More, then tap Downloads.

Bought something on another device? Go to Settings > iTunes & App Stores to set up automatic downloads to your iPhone. If you want to download a previous purchase, Tap More, then tap Purchased.

Image

In some areas, you can rent movies. You have 30 days to begin viewing a rented movie. After you start watching it, you can play it as many times as you want in 24 hours. After time's up, the movie is deleted.

iTunes Store settings

To set options for iTunes Store, go to Settings > iTunes and App Stores. You can:

View or edit your account. Tap your Apple ID, then tap View Apple ID. To change your password, tap the Apple ID field.

Sign in with a different Apple ID. Tap your account name, then tap Sign Out. You can then enter a different Apple ID.

Turn iTunes Match on or off. iTunes Match is a subscription service that stores your music in iCloud so you can access it anywhere.

Download purchases over the cellular network. Tap Use Cellular Data. Downloading purchases and using iTunes Match over the cellular network may incur carrier charges.

App Store

23



App Store at a glance

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

Want to explore the App Store? Tap Featured or Top Charts to browse these selections. Tap Categories to narrow your focus.

Image

If you know what you're looking for, use Search. For recommendations based on your previous purchases, tap Genius.

What apps are being tapped nearby? Tap Near Me to find out the most popular apps folks around you are using. Try this at a museum, sporting event, or when you're traveling, to dig deeper into your experience.

Want to tell a friend about an app? Find the app, tap , and share it.

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


Purchase, redeem, and download

Tap the app's price (or tap Free), then tap Buy App to purchase it. If it's free, tap Install App.


Image

If you see "Install" instead of a price, you've already purchased the app and can download it again without a charge. While the app is downloading, its icon appears on the Home screen with a progress indicator.

Use a gift card or code. Tap Featured, scroll to the bottom, and tap Redeem.

Send a gift. View the item you want to give, then tap  and Gift.

Image

Delete an app. Touch and hold the app's icon on the Home screen until the icon jiggles, then tap . When you finish, press the Home button. You can't delete built-in apps. Deleting an app also deletes its data. You can download any app you've purchased from the App Store again, free of charge.

For information about erasing all of your apps, data, and settings, see [Reset](#) on page 133.

App Store settings

To set options for App Store, go to Settings > iTunes & App Stores. You can:

View or edit your account. Tap your Apple ID, then tap View Apple ID. To change your password, tap the Apple ID field.

Sign in using a different Apple ID. Tap your account name, then tap Sign Out. You can then enter a different Apple ID.

Download apps using the cellular network. Tap Use Cellular Data. Downloading apps over the cellular network may incur carrier charges. Newsstand apps update only over Wi-Fi.

Game Center

24



At a glance

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


WARNING: For important information about avoiding repetitive motion injuries, see [Important safety information](#) on page 138.



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

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

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

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

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

Playing with friends

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

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

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

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

Purchase a game your friend has: Tap Friends, then tap the name of your friend. Tap the game in your friend's list of games, then tap the price at the top of the screen.

See a list of a friend's friends: Tap Friends, tap the friend's name, then tap Friends just below their picture.

Remove a friend: Tap Friends, tap a name, then tap Unfriend.

Keep your email address private: Turn off Public Profile in your Game Center account settings. See "Game Center settings" below.

Disable multiplayer activity or friend requests: Go to Settings > General > Restrictions and turn off Multiplayer Games or Adding Friends. If the switches are disabled, tap Enable Restrictions (at the top) first.

Report offensive or inappropriate behavior: Tap Friends, tap the person's name, then tap "Report a Problem."

Game Center settings

Some Game Center settings are associated with the Apple ID you use to sign in. Others are in the Settings app on iPhone.

Change Game Center settings for your Apple ID: Sign in with your Apple ID, tap Me, tap the Account banner, then choose View Account.

Specify which notifications you want for Game Center: Go to Settings > Notifications > Game Center. If Game Center doesn't appear, turn on Notifications.

Change restrictions for Game Center: Go to Settings > General > Restrictions.

Contacts

25



At a glance



Set your My Info card for Safari, Siri, and other apps. Go to Settings > Mail, Contacts, Calendars, then tap My Info and select the contact card with your name and information.

Add your relationships so Siri knows. On your contact card, use the related persons fields to define relationships you want Siri to know about, so you can say things like “send a message to my sister.”

Find a missing person. Tap the search field at the top of the contact list and enter your search. You can also search your contacts from the Home screen.

Send someone a contact using AirDrop, Messages, or Mail. Tap a contact, then tap Share Contact. For info about using AirDrop see TK X-REF.

FPO

Change a label. If a field has the wrong label, such as Home instead of Work, tap Edit. Then tap the label and choose a new one from the list, or tap Custom Field to enter one of your own.

You are dead to me. Go to their card, than tap Edit. Scroll down and tap Delete Contact.

Using Contacts with Phone

Automate dialing an extension or passcode.Edit a phone number, then tap Tap **+****. Tap Pause to enter a two-second pause. Tap Wait to stop dialing until you tap Dial again.

Go ahead, play favorites.When you add someone to your favorites list, their calls bypass your Do Not Disturb settings and are added to the Favorites in Phone, for quick dialing. Choose a contact, then scroll down and tap the Add to Favorites button.

Save a number you just dialed.In Phone, tap Keypad, enter a number, then tap Add to Contacts. Tap Create New Contact or tap “Add to Existing Contact” and choose a contact.

Add a recent caller to Contacts.In Phone, tap Recents and tap INFO BUTTON next to the number. Then tap Create New Contact, or tap “Add to Existing Contact” and choose a contact.

Adding contacts

In addition to entering contacts, you can:

- *Use your iCloud contacts:* Go to Settings > iCloud, then turn on Contacts.
- *Import your Facebook Friends:* Go to Settings > Facebook, then turn on Contacts in the “Allow These Apps to Use Your Accounts” list. This creates a Facebook group in Contacts.
- *Access a Microsoft Exchange Global Address List:* Go to Settings > Mail, Contacts, Calendars, then tap your Exchange account and turn on Contacts.
- *Set up an LDAP or CardDAV account to access business or school directories:* Go to Settings > Mail, Contacts, Calendars > Add Account > Other. Then tap “Add LDAP Account” or “Add CardDAV Account” and enter the account information.
- *Sync contacts from your computer, Yahoo!, or Google:* In iTunes on your computer, turn on contact syncing in the device info pane. For information, see iTunes Help.
- *Import contacts from a SIM card (GSM):* Go to Settings > Mail, Contacts, Calendars > Import SIM Contacts.
- *Import contacts from a vCard:* Tap a .vcf attachment in an email or message, or on a webpage.

Search a directory.Tap Groups, tap the GAL, CardDav, or LDAP directory you want to search, then enter your search. To save the info to your Contacts, tap Add Contact.

Show or hide a group: Tap Groups then select the groups you want to see. This button only appears if you have more than one source of contacts.

When you have contacts from multiple sources, you might have multiple entries for the same person. To keep redundant contacts from appearing in the All Contacts list, contacts from different sources that have the same name are linked and displayed as a single *unified contact*. When you view a unified contact, the title Unified Info appears at the top of the screen.

Link contacts.Edit a contact, tap Edit, then tap Link Contact and choose the contact entry to link to.

Linked contacts aren’t merged. If you change or add information in a unified contact, the changes are copied to each source account where that information already exists.

If you link contacts with different first or last names, the names on the individual cards won’t change, but only one name appears on the unified card. To choose which name appears when you view the unified card, tap Edit, tap the linked card with the name you prefer, then tap Use This Name For Unified Card.

Contacts settings

To change Contacts settings, go to Settings > Mail, Contacts, Calendars. Options include:

- Change how contacts are sorted
- Display contacts by first or last name
- Change how long names are shortened in lists
- Set a default account for new contacts
- Set your My Info card

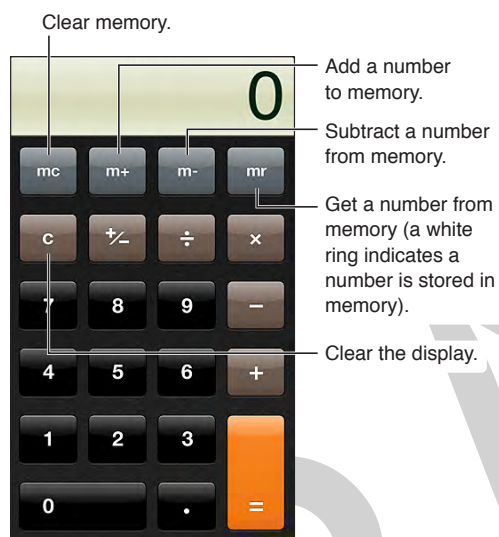
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Calculator

26



Tap numbers and functions in Calculator just as you would with a standard calculator.



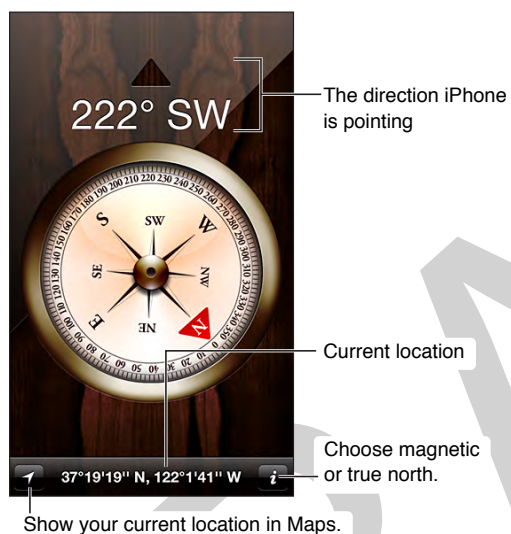
There's a scientific calculator too—just rotate iPhone to landscape orientation.

Compass

27



Find a direction or your current heading, see your latitude and longitude, or show your location and heading in Maps.



Find the direction your iPhone is pointing: Hold iPhone flat in your hand, level with the ground.

If Location Services is turned off when you open Compass, you may be asked to turn it on. You can use Compass without turning on Location Services. See [UNRESOLVABLE CROSS-REFERENCE](#) on page ###.

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.