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View photo details

1. In an album or moment, select a photo or video.
2. Swipe up to see the following:
   - People identified in your photo; see Find people in Photos on iPad.
   - Where the photo was taken, and other photos or videos taken nearby; see Browse photos by location on iPad.
   - Related memories; see View Memories on iPad.
   - Effects you can add to a Live Photo; see Edit a Live Photo .
   - A link to show other photos taken that day.

Delete or hide a photo

In Photos, tap a photo or video, then do either of the following:

- *Delete:* Tap to delete a photo from your iPad and other devices using the same iCloud Photos account; see Use iCloud Photos on iPad.

  Deleted photos and videos are kept in the Recently Deleted album for 30 days, where you can recover or permanently remove them from all devices.

- *Hide:* Tap , then tap Hide in the bottom row of options.

  Hidden photos are moved to the Hidden album. You cannot view them anywhere else.

To recover deleted photos, or to permanently delete them, go to Albums > Recently Deleted, then tap Select. Choose the photos you want to recover or delete, then tap Recover or Delete.

Play a Live Photo

A Live Photo , which can be taken on supported models, is a moving image that captures the moments just before and after a picture is taken.

1. In an album or moment, open a Live Photo.
2. Touch and hold the photo to play it.

For more information, see Take a Live Photo .

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View photos in a Burst shot

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Burst in Camera continuously takes multiple high speed photos so that you have a range of photos to choose from. In Photos, Burst shots are saved together in a single photo thumbnail. You can view each photo in the Burst, then select your favorites to save separately.

1. In an album or moment, tap the Burst thumbnail.
2. Tap Select, then swipe through the collection of photos.
3. To save specific photos, tap each photo to select it as a Favorite, then tap Done.
4. Tap Keep Everything to keep all the photos in the Burst, or tap Keep Only [*number of*] Favorites to keep only the ones you've chosen.

For more information, see Take Burst shots .

Play a video

In an album or moment, select a video, then do any of the following:

- To play the video, tap ▶.
- To pause the video, tap ❙❙.
- Double tap the screen to toggle between full screen and fit-to-screen.

Play and customize a slideshow

A slideshow is a collection of your photos, formatted and set to music.

1. In an album or moment, tap Select.
2. Tap each photo you want to include in the slideshow, then tap ⎙.
3. In the bottom row of options, tap Slideshow.
4. Tap Options in the bottom right to choose a slideshow theme, music, and more.

Or, while viewing a photo, tap ⎙, then tap Slideshow to play a slideshow of recent photos.

To stream a slideshow or video to a TV, see Stream audio and video to other devices from iPad.

Edit photos and videos on iPad

Use the tools in the Photos app to edit photos and videos on your iPad. When you use iCloud Photos, any edits you make are saved across all your devices.

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To learn more about iCloud Photos, see Use iCloud Photos on iPad.

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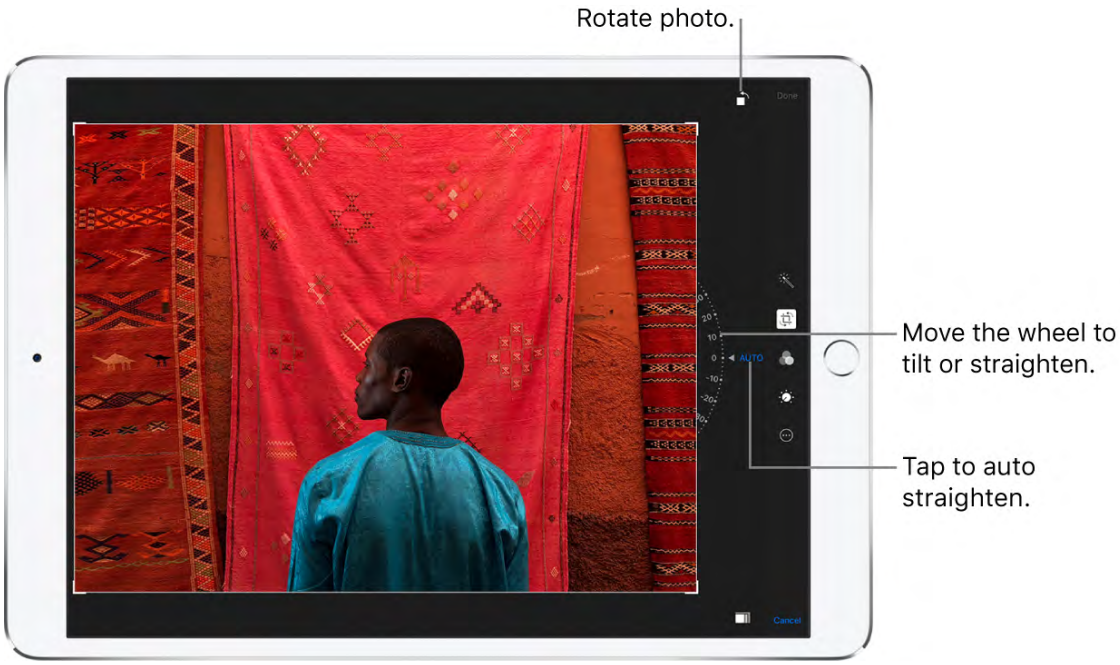
Edit a photo

1. In an album or moment, tap a photo thumbnail to view it in full screen.
2. Tap Edit, then select a tool to make your adjustments. You can do any of the following:

   - Use the Remove Red-eye tool when you take a photo with flash. Tap the tool, then tap each eye that needs to be corrected.
   - Tap to use the Crop tool. Photos suggests an optimal crop, or you can pinch the photo open or closed to set your own. For a standard crop ratio like 2:3 or Square, tap . Tap to rotate the photo 90 degrees, or move the wheel to tilt or straighten.



   - Use photo filters to apply different effects, such as Vivid, Dramatic, or Silvertone.
   - Adjust light, color, black/white by tapping . Tap an option, then move the slider to the desired effect. Tap for fine adjustments.

3. Tap Done to save your edits.

   If you don’t like your changes, tap Cancel, then tap Discard Changes.

   Tip: As you edit a photo, touch and hold the photo to compare the edited version to the original.

Photo app extensions can provide additional editing options. See the Apple Support article How to edit with third-party apps and extensions in Photos.

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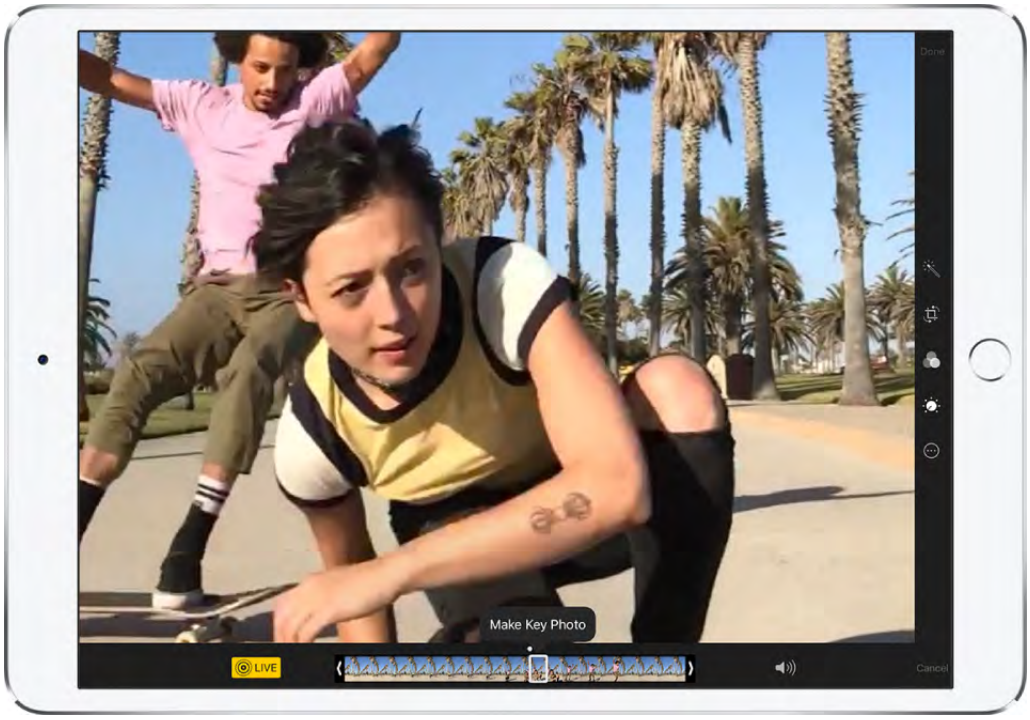
Revert an edited photo

After you edit a photo and save your changes, you can revert to the original image.

1. Open the edited image.
2. Tap Edit, then tap Revert.
3. Tap Revert to Original.

Edit a Live Photo

In addition to using the photo editing tools like adding filters or cropping a photo, you can also change the keyframe, trim the length, or mute the sound in your Live Photos (available on supported models).



1. Open the Live Photo.
2. Tap Edit, then do any of the following:
   - *Set key photo:* Move the white slider on either end to change the frame. Tap Make Key Photo, then tap Done.
   - *Make still photo:* Tap the Live button at the top of the screen to turn off the Live functionality. The Live Photo will become a still of its key photo.
   - *Mute Live Photo:* Tap 🔊. Tap again to unmute.
   - *Trim Live Photo:* Drag either end of the black frame viewer to choose the frames the Live Photo plays.

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To learn more, see Take a Live Photo . Draft

Add effects to Live Photos

You can add effects to Live Photos to turn them into fun videos (available on supported models).

1. Open the Live Photo.
2. Swipe up to see the effects, then choose one of the following:
   - *Loop* repeats the action in a continuous looping video.
   - *Bounce* rewinds the action backwards and forwards.
   - *Long Exposure* simulates a DSLR-like long exposure effect by blurring motion.

For more information, see Take a Live Photo.

Mark up a photo

1. Tap a photo to view it in full screen.
2. Tap Edit, then tap ⋯.
3. Tap Markup Ⓐ.
4. Annotate the photo using the pen, pencil, or marker, and erase with the eraser. See Use Markup in apps on iPad.

Trim a video

1. In Photos, open the video and tap Edit.
2. Drag either end of the frame viewer, then tap Done.
3. Tap Save as New Clip. The new clip is saved in your Videos album, and the original remains unchanged.

Set the slow-motion section of a video shot in Slo-mo

1. In Photos, open a video shot in Slo-mo, then tap Edit.
2. Drag the white vertical bars beneath the frame viewer to set where the video is played in slow motion.

For more information, see Record a slow-motion video .

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Use other photography apps to edit your photos

Photo app extensions can provide special editing options. See the Apple Support article How to edit with third-party apps and extensions in Photos.

Organize photos in albums on iPad

Use the Photos app to organize your pictures with albums—create new ones, or add pictures to existing albums.

If you use iCloud Photos, albums are stored in iCloud. They're up to date and accessible on devices where you're signed in to iCloud with the same Apple ID. See Use iCloud Photos on iPad.

Create an album

Use albums to organize your photos.

1. Tap the Albums tab, then tap +.
2. Choose to create a New Album or New Shared Album.
3. Name the album, then tap Save.
4. Choose the photos you want to add, then tap Done.

Add or remove photos and videos from existing albums

- *Add a photo or video:* In a moment or album, tap a photo or video to view it in full screen. Tap, tap Add to Album in the bottom row, then select the album you want to add to.
- *Remove a photo or video:* In an album, tap a photo or video to view it in full screen. Tap, then choose to remove the item from just the album or delete it from iCloud Photos on all your devices.

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Rename, rearrange, and delete existing albums

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1. Tap the Albums tab, then tap See All.
2. Tap Edit, then do any of the following:
   - *Rename:* Tap the album name, then enter a new name.
   - *Rearrange:* Touch and hold the album's thumbnail, then drag to a new location.
   - *Delete:* Tap ⛔.
3. Tap Done.

You can't delete albums that Photos creates for you, such as People, Places, and Selfies.

Recover or permanently delete deleted photos

1. Tap the Albums tab, then tap Recently Deleted (at the bottom of the screen).
2. Tap Select, then select the photos and videos you want to recover or delete.
3. Tap Recover, or tap Delete to permanently delete the photo.

Search in Photos on iPad

When you search in the Photos app, you see suggestions for moments, people, and places to help you find what you're looking for, or rediscover a moment you forgot about. Type a keyword into the search field to help you find the photo you're looking for—for example, a person's name, a date, or a location.

Ask Siri. Say something like: "Show me photos from the Oracle Arena three months ago" or "Show me photos from January 2010." Learn how to ask Siri.

Tap the Search tab, then tap the search field at the top of the screen to search by:

- Date (month or year)
- Place (city or state)
- Business names (museums or restaurants, for example)
- Category (beach or sunset, for example)
- Events (sports games or concerts, for example)
- Person (Lia or Gordon, for example)

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Looking for something more specific? Refine your search with multiple keywords—simply keep adding keywords until you find the photo you want. Search also suggests keywords to add to your search.

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Share photos and videos on iPad

Share photos and videos from the Photos app in Mail or Messages, or other apps you install. Photos even selects your best photos from an event and recommends people you may want to share them with.

Share photos and videos

- *Share a single photo or video:* While viewing the photo or video, tap, then choose how you want to share.
- *Share multiple photos or videos:* While viewing photos by moment, album, or Memory, tap Select, then choose the photos you want to share. Tap, then choose a share option.

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

You can share a Live Photo using iMessage, Shared Albums, AirDrop, and more. A shared Live Photo plays in Photos on any iOS device with iOS 9 or later or a Mac with OS X 10.11 or later. For devices or services that don't support Live Photos, a Live Photo is shared as a still photo.

Tip: Photos you share with an iCloud link can be shared using any app. Each iCloud link is unique and remains available for 30 days.

Share photos with Sharing Suggestions

Sharing Suggestions recommends a set of photos from an event that you may want to share, and based on the people in the photos, who you may want to share the photos with. After you share your photos, the recipients are prompted to share their photos from the event with you. Sharing Suggestions requires iCloud Photos.

1. Tap the For You tab, then tap a photo collection in Sharing Suggestions.
2. Tap Select to add or remove photos, then tap Next.

   Photos suggests sharing the photos you took with the people who were also at the event. You can choose who to share with, as well as add others.
3. Tap Share in Messages.

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- To send the link to more friends, or to stop sharing it, tap the collection, tap ···, then choose Copy iCloud Link or Stop Sharing.
- To remove a photo collection from Sharing Suggestions, tap ···, then tap Remove Sharing Suggestion.

To learn more about Sharing Suggestions, see Use Sharing Suggestions in Photos.

Save or share a photo or video you receive

- *From email:* Tap to download the item if necessary, then tap ⎙. Or, touch and hold the item, then choose a sharing or saving option.
- *From a text message:* Tap the photo or video in the conversation, tap ⎙, then choose a sharing or saving option.

View Memories in Photos on iPad

The Photos app scans your library to automatically create collections of photos and videos called *Memories*. Memories include Memory movies, which are automatically edited for you and set to music. You can edit Memories and share them with others. You can also make a Memory movie from an album you create.

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Play a Memory movie

1. Tap the For You tab, then tap a Memory.
2. Tap the Memory movie at the top of the screen to play it.
3. To pause, tap the movie, then tap ⏸.
4. To go forward or backward in the movie, tap the movie, then scrub left or right using the scrubber.

Open any album, moment, collection, or year, tap the header, then tap the movie at the top of the screen.

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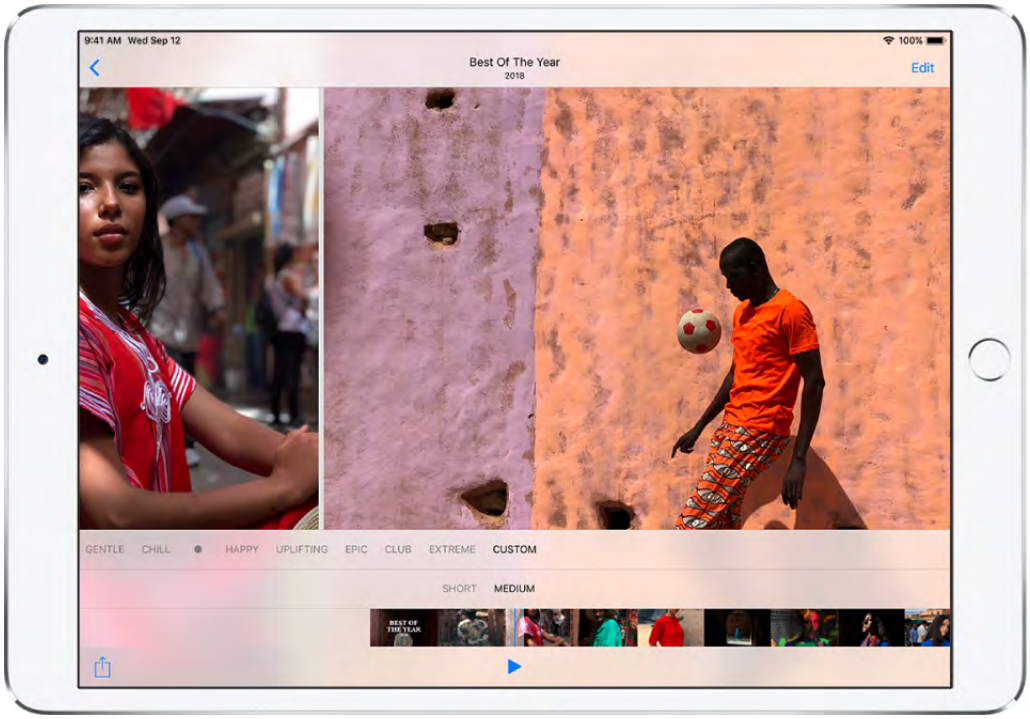
Edit a Memory movie

1. While a Memory movie is playing, tap the screen to show customization options.
2. Do any of the following:
   - *Change the mood:* Swipe left or right through the moods to change the title, music, and editing style.
   - *Change the length:* Swipe to change to short, medium, or long depending on the number of photos in the Memory.
   - *Personalize the movie:* Tap Edit to add or delete specific photos, change the music, edit the title, and more.



Create a Memory movie

Create your own Memory from any moment, collection, or year in Photos.

1. Tap the Photos tab, then go to any moment, collection, or year.
2. Tap the header, marked by the title name and an arrow symbol ›.
3. Tap ···, then tap Add to Memories.

Delete or block a Memory movie

1. Tap the For You tab, then tap a Memory.
2. Tap ···, then tap Delete Memory or Block Memory.

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Share a Memory with friends and family Draft

1. While a Memory movie is playing, tap the screen.
2. Tap , then choose how you want to share.

Add to Favorites

1. Tap the For You tab, then tap a Memory you want to mark as a favorite.
2. Tap , then tap Add to Favorite Memories.

To view your Favorite Memories, tap See All, then tap Favorites.

Share photos from a Memory with friends and family

Photos identifies the people in a Memory and makes it easy to share the photos in that Memory with the people who are in it.

1. Tap the For You tab, tap a Memory you want to share, then tap .
2. Tap Share Photos.
3. Tap Select to add or remove photos. Or, send all the pictures in the Memory.
4. Tap Next.

   Photos suggests sharing the photos you took with the people who were there. You can choose who to share with, as well as add others.
5. Tap Share in Messages.

To send the link to other friends after you've shared it or to stop sharing, tap the Memory you've shared recently, tap , then tap Copy Link or Stop Sharing.

Find people in Photos on iPad

The Photos app scans your photo library for people's faces and adds the most frequently found faces to the People album. When you add names to the faces, you can search for photos by name.

Note: With iCloud Photos, your People album is kept up to date on all your devices with iOS 11 and later, and Mac computers with macOS High Sierra 10.13 and later. (You must be signed in with the same Apple ID on all the devices.)

Find photos of a specific person

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In the Albums tab, tap the People album, then tap a person to see all of their photos. Or, in the Search tab enter a person's name in the search field.

Add a person to your People album

1. Open a photo of the person you want to add, then swipe up to see the photo details.
2. Tap a face under People, then tap Add Name.
3. Enter the person's name or select it in the list.
4. Tap Done.

Name a person in your People album

1. Tap the Albums tab, then tap the People album.
2. Tap the face of the person whose name you want to add.
3. Tap Add Name at the top of the screen, then enter the person's name.
4. Tap Next, then tap Done.

If there's a face identified as two or more people in the People album, tap Select, tap each instance of the person, then tap Merge.

Set a person's key photo

1. In the People album, tap a person, then tap Select.
2. Choose the photo you want to set as the key photo.
3. Tap ⎙, then tap Make Key Photo.

Fix misidentifications

1. In the People album, tap a person, then tap Show more to see all photos they appear in.
2. Tap Select, then tap Show Faces.
3. Tap the misidentified face.
4. Tap ⎙, then tap Not This Person.

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Browse photos by location on iPad

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The Photos app creates collections of your photos and videos in the Places album based on where they were taken. View photos taken in a specific location, or look for photos taken nearby. See a collection of all your places on a map, or even watch a Memory movie of a certain place.

Browse photos by location

1. Tap the Albums tab, then tap the Places album.
2. Select Map or Grid view.

   Only pictures and videos that have embedded location information (GPS data) are included.

   Tip: Zoom in and drag the map to see more specific locations.

See where a photo was taken

1. Open a photo, then swipe up to see the photo details.
2. Swipe up to view Places, then tap the location's name or address.

Look for photos taken nearby

1. Tap a photo to view it in full screen. (The photo must contain location information.)
2. Swipe up to view Places.
3. Tap Show Nearby Photos.

View a location-based Memory movie

1. In the Albums tab, tap the Places album.
2. Tap Grid.
3. Find a location with several images, then tap the header, marked with ›.
4. Tap ▶.

Use iCloud Photos on iPad

iCloud Photos automatically uploads the photos and videos you take and stores them in their original format at full resolution. You can access your photos and videos in iCloud Photos from any device where you're signed in using the same Apple ID.

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To use iCloud Photos, you need a device with iOS 8.1 or later, a Mac with OS X 10.10.3 or later, or a PC with iCloud for Windows 5 or later.

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Turn on iCloud Photos

Go to Settings > [*your name*] > iCloud > Photos, then turn on iCloud Photos.

Save space on your iPad

iCloud Photos keeps all your photos and videos in their original, high-resolution version. You can optimize storage to save space on your iPad.

Go to Settings > [*your name*] > iCloud > Photos, then tap Optimize iPad Storage.

Download a full-resolution photo

If Optimize Storage is on, pick and choose which videos to store as full-resolution.

Select a photo, then pinch in to zoom to 100%. Or, tap Edit. The full-resolution photo or video downloads automatically.

Upgrade your iCloud storage to store more photos

If your uploaded photos and videos exceed your storage plan, you can upgrade your iCloud storage.

Go to Settings > [*your name*] > iCloud, tap Manage Storage, then tap Upgrade.

Share photos from iPad with Shared Albums in iCloud

With Shared Albums in the Photos app, you can share photos and videos with just the people you choose. They can also add their own photos, videos, and comments. Shared Albums works with or without iCloud Photos and My Photo Stream.

If the person you're sharing with is using iCloud Photos or Shared Albums on a device with iOS 6 or later or on a Mac with macOS 10.8 or later, they can view your albums and leave comments. If they're using iOS 7 or later or OS X 10.9 or later, they can add their own photos and videos. You can also publish your album to a website for anyone to view.

Turn on iCloud Photos

Go to Settings > [*your name*] > iCloud > Photos, then turn on Shared Albums.

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Share photos and videos

1. In Photos, tap a photo or video to view it in full size.
2. Tap ⎙, then tap Shared Albums.
3. Select an existing shared album, or create your own.
4. Tap Post.

Enable public viewing in iCloud

1. In Albums, select a shared album.
2. At the bottom of the screen, tap People.
3. Turn on Public Website.

Add photos and videos to a shared album

1. In a shared album, tap +.
2. Select all the items you want to add, then tap Done.
3. Add comment if you want to, then tap Post.

Delete photos, videos, and comments from a shared album

You must be the owner of the shared album to delete photos or videos.

- *Delete photos and videos:* In a shared album, tap Select. Select the photos or videos you want to delete, then tap 🗑.
- *Delete comments:* While viewing the comment in a shared photo, tap and hold, then tap Delete.

Rename a shared album

In Albums, scroll to Shared Albums and tap See All. Tap Edit, then tap the name of the album and enter a new one.

Add or remove subscribers, or turn Notifications on or off

Select the shared album, then tap People.

- *Add subscribers:* Tap Invite People, then enter the names of the subscribers you want to add.
- *Remove subscribers:* Tap the subscriber, then tap Remove Subscriber.
- *Turn Notifications off:* Toggle Notifications off. Tap again to turn Notifications on.

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Subscribe to a shared album

When you receive an invitation, tap , tap Accept. You can also accept an invitation in an email.

See your Family album

When Family Sharing is set up, a shared album called *Family* is automatically created in Photos on all family members' devices. Everyone in the family can contribute photos, videos, and comments to the album, and be notified whenever something new is added. See Family Sharing.

Note: To use Shared Albums, your iPad must be connected to Wi-Fi. Shared Albums works over both Wi-Fi and cellular networks. Cellular data charges may apply. See View or change cellular settings on iPad.

Use My Photo Stream on iPad

Use My Photo Stream with the Photos app to access recent photos on any iOS device. Up to 1000 images are stored automatically for 30 days without using iCloud storage space or iCloud Photos.

My Photo Stream automatically uploads your most recent photos to iCloud; you can even see them on devices that aren't using iCloud Photos. (My Photo Stream doesn't upload Live Photos or videos.) You must be signed in on all devices using the same Apple ID.

Turn on My Photo Stream

My Photo Stream doesn't count against your iCloud storage and only saves still photos. Your photos automatically upload when you leave the Camera app and are connected to Wi-Fi, but edits aren't updated across all devices.

Go to Settings > [*your name*] > iCloud > Photos, then turn on My Photo Stream.

My Photo Stream is automatically turned off if you use iCloud Photos.

Save photos from My Photo Stream to your iPad

Images in My Photo Stream remain in iCloud for 30 days—after that, they're removed. To keep these photos, you must save them from Photo Stream to your iOS device.

1. In the Albums tab, tap My Photo Stream.
2. Tap Select, then select all photos you want to save.
3. Tap , then tap Save Image.

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Manage photos in My Photo Stream

Tap the My Photo Stream album, tap Select, then do any of the following:

- *Save your best shots to iCloud or your device:* Select the photos, then tap Add To.
- *Share, print, or copy:* Select the photos, then tap .
- *Delete photos:* Select the photos, then tap .

Although deleted photos are removed from My Photo Stream on all your devices, the original photos remain in Photos on the device on which they were taken. Photos that you save to another album on a device or computer also aren't deleted.

Photos in My Photo Stream don't count against your iCloud storage, and they're kept for 30 days in iCloud (up to 1000 photos). Download photos to your computer or iOS device if you want to keep them permanently. For more information, see the Apple Support article My Photo Stream.

Import photos and videos to iPad

You can import photos and videos directly to the Photos app from a digital camera, an SD memory card, or another iOS device that has a camera. Depending on your model, use the Lightning to USB Camera Adapter, the USB-C to SD Card Camera Reader, or the Lightning to SD Card Camera Reader (sold separately).

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1. Insert the camera adapter or card reader into the Lightning or USB-C connector on iPad.
2. Do one of the following:
   - *Connect a camera:* Use the USB cable that came with the camera to connect the camera to the camera adapter. Turn on the camera, then make sure it's in transfer mode. For more information, see the documentation that came with the camera.
   - *Insert an SD memory card into the card reader:* Don't force the card into the slot on the reader; it fits only one way.
   - *Connect an iOS device:* Use the USB cable that came with the iOS device to connect it to the camera adapter. Turn on and unlock the iOS device.
3. Unlock your iPad.

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4. The Photos app opens and displays the photos and videos available for importing. Tap and hold a photo for a large preview, so you can see the details in your photos and decide what you want to import.

5. Select the photos and videos you want to import, then select your import destination. You can create a new album or select an existing one.

   - *Import all items:* Tap Import All.

   - *Import just some items:* Tap the items you want to import (a checkmark appears for each), tap Import, then tap Import Selected.

6. After the photos and videos have been imported, keep or delete them on the camera, card, or iOS device.

7. Disconnect the camera adapter or card reader.

Import also works in the background, so you can focus on other tasks while your photos upload. A new event in the Import History album contains all the photos you just imported. Photos you've imported previously can be found in the Already Imported album.

To transfer the photos to your computer, connect your iPad to your computer and import the images with a photo app (such as Photos or Adobe Photoshop Elements).

Print photos on iPad to an AirPrint-enabled printer

Print your photos directly from the Photos app on your iPad with any AirPrint-enabled device.

- *Print a single photo:* While viewing the photo, tap, then tap Print.

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

See Print from iPad for more information.

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Podcasts

Find podcasts on iPad

Use the Podcasts app to find and play free shows—similar to radio or TV shows—about science, news, politics, comedy, and more. If you subscribe to a show, iPad automatically downloads new episodes as they're released.

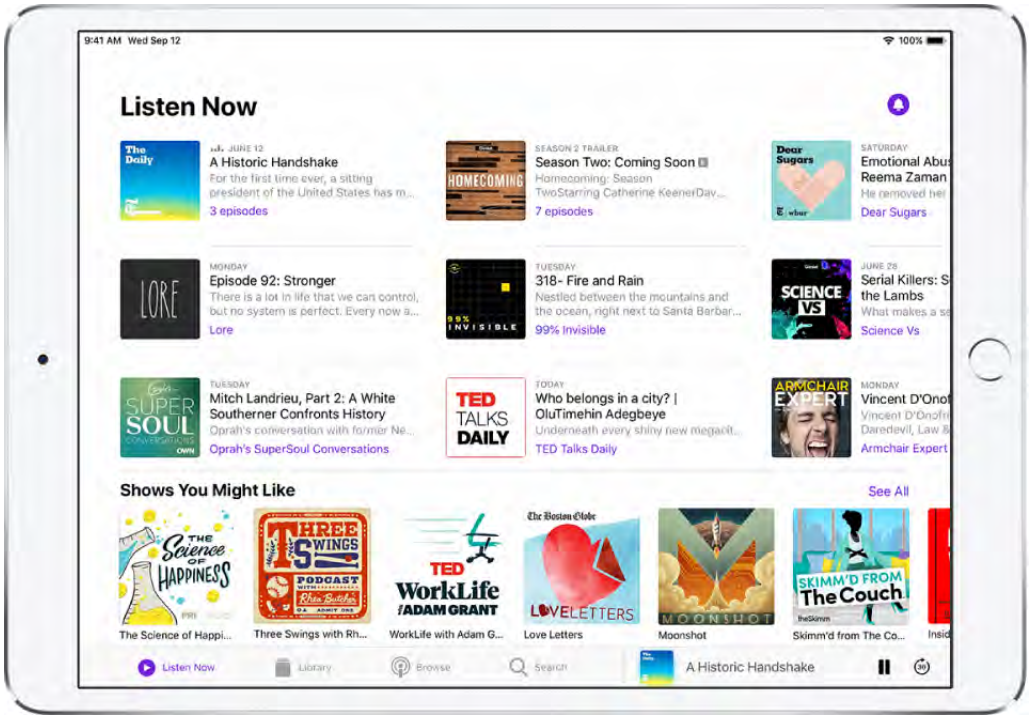
> **Ask Siri.** Say something like: "Find Serial podcast." Learn how to ask Siri.

Find and subscribe to shows

- *Discover shows:* Tap Browse to see Featured shows or Top Charts. You can also browse by categories or content providers.
- *Search by title or topic:* Tap Search, then enter what you're looking for.
- *Subscribe to a show:* Tap the show, then tap Subscribe.

Listen to your subscribed shows

1. Tap Listen Now.



2. To download an episode for offline playing, tap . If you don't see , the episode is already downloaded.

   To get notifications whenever a new episode is available, tap .

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Play podcasts on iPad

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In the Podcasts app, you can play, pause, or skip ahead using the playback controls, set a sleep timer, and stream content to another device.

Ask Siri. Say something like: “Play the newest episode of ‘The Daily’ podcast.” Learn how to ask Siri.

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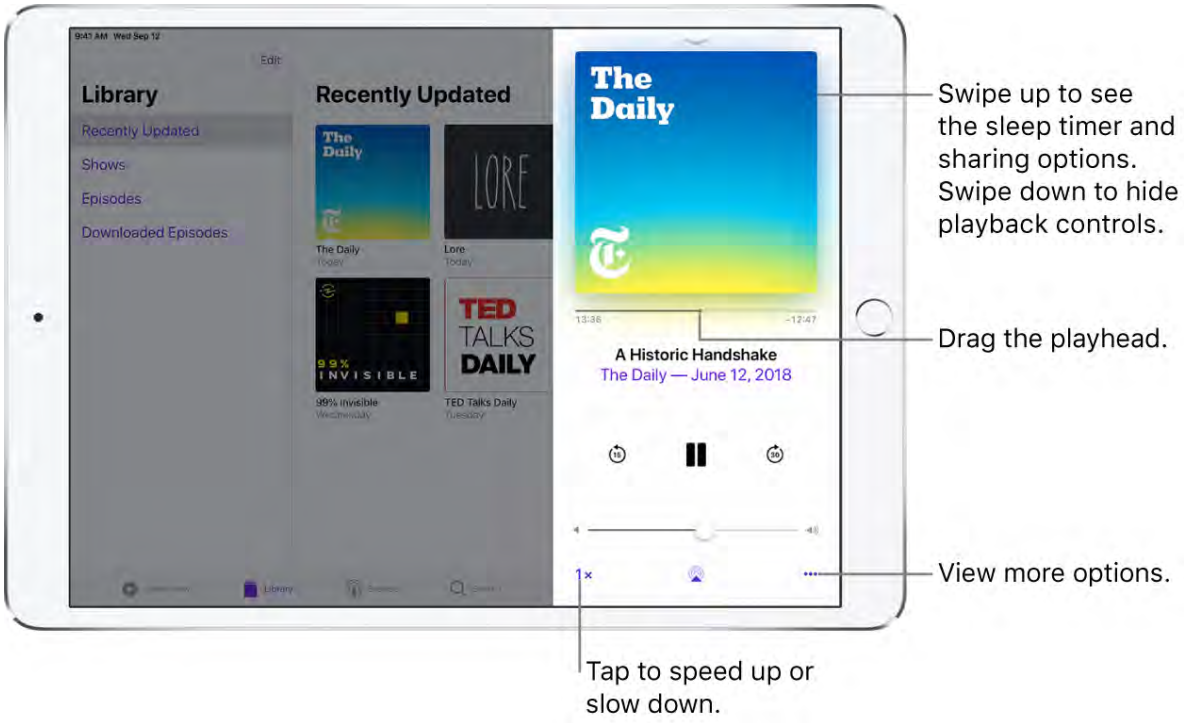
Play a podcast

1. Tap an episode.
2. For more playback controls, tap the player to open the Now Playing screen.



Use any of the following controls:

▶	Play
⏸	Pause
15	Jump back 15 seconds
30	Jump forward 30 seconds
1×	Choose a faster or slower playback speed
	Stream the audio to other devices

Tip: To jump to a specific time in the episode, drag the track position slider below the podcast artwork.

3. Swipe up on the Now Playing screen to see the sleep timer, sharing options, episode notes, and your Up Next queue.

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To resume playing an episode, tap Listen Now. Episodes you haven't finished are near the top of the list.

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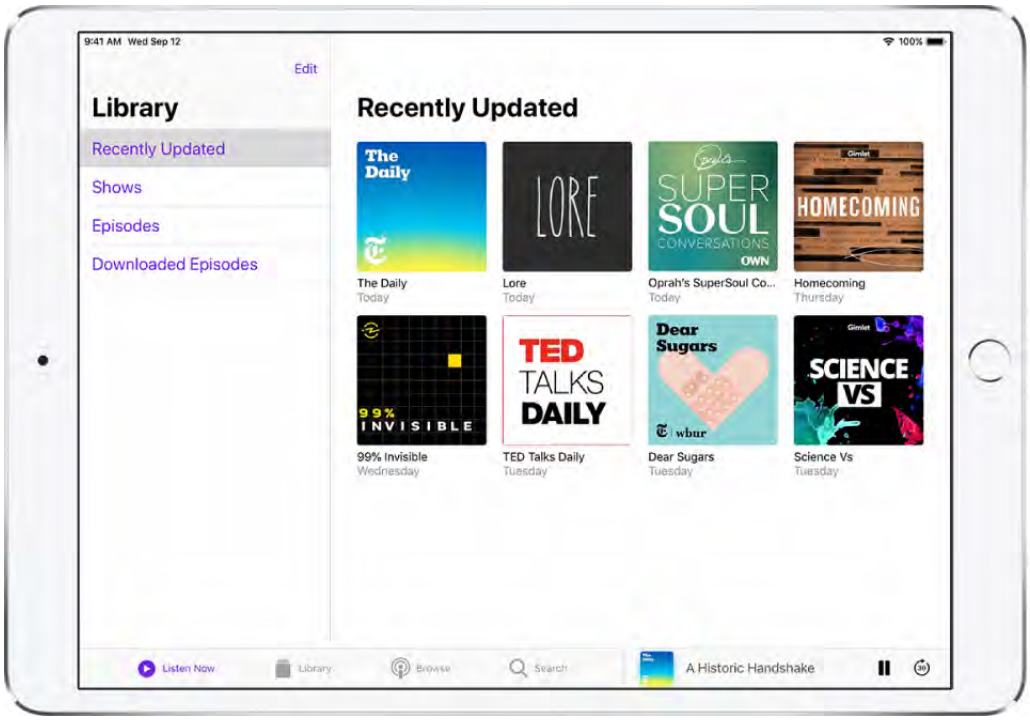
Manage your podcast subscriptions and library on iPad

In the Podcasts app, you can add or remove subscriptions and episodes in your library.

Manage your subscriptions

1. Tap Library, then tap Shows.



2. Tap a show to see its information page, tap ···, then do any of the following:

   - *Set options for notifications, downloading episodes, and more:* Tap Settings.
   - *Stop downloading new episodes:* Tap Unsubscribe.
   - *Remove all the episodes:* Tap Delete from Library.

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Manage episodes and downloads

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- *Add an episode to your library:* For podcasts that you haven't subscribed to, tap + next to an episode. To download the episode so you can play it when you're offline, tap ☁.
- *Delete an episode:* Tap Library, tap Episodes, swipe left on the episode, then tap Delete.
- *Remove a download:* Tap Library, tap Downloaded Episodes, swipe left on the episode, then tap Remove.

Change your Podcasts settings

Go to Settings > Podcasts. You can change settings such as the following:

- *Limit downloads to Wi-Fi connections:* (Wi-Fi + Cellular models) To prevent downloads from using cellular data, turn on Only Download on Wi-Fi.
- *Keep your subscriptions up to date on all your devices where you're signed in with the same Apple ID:* Turn on Sync Podcasts.
- *Change the download settings for all your subscriptions:* Change the settings below Episode Downloads.

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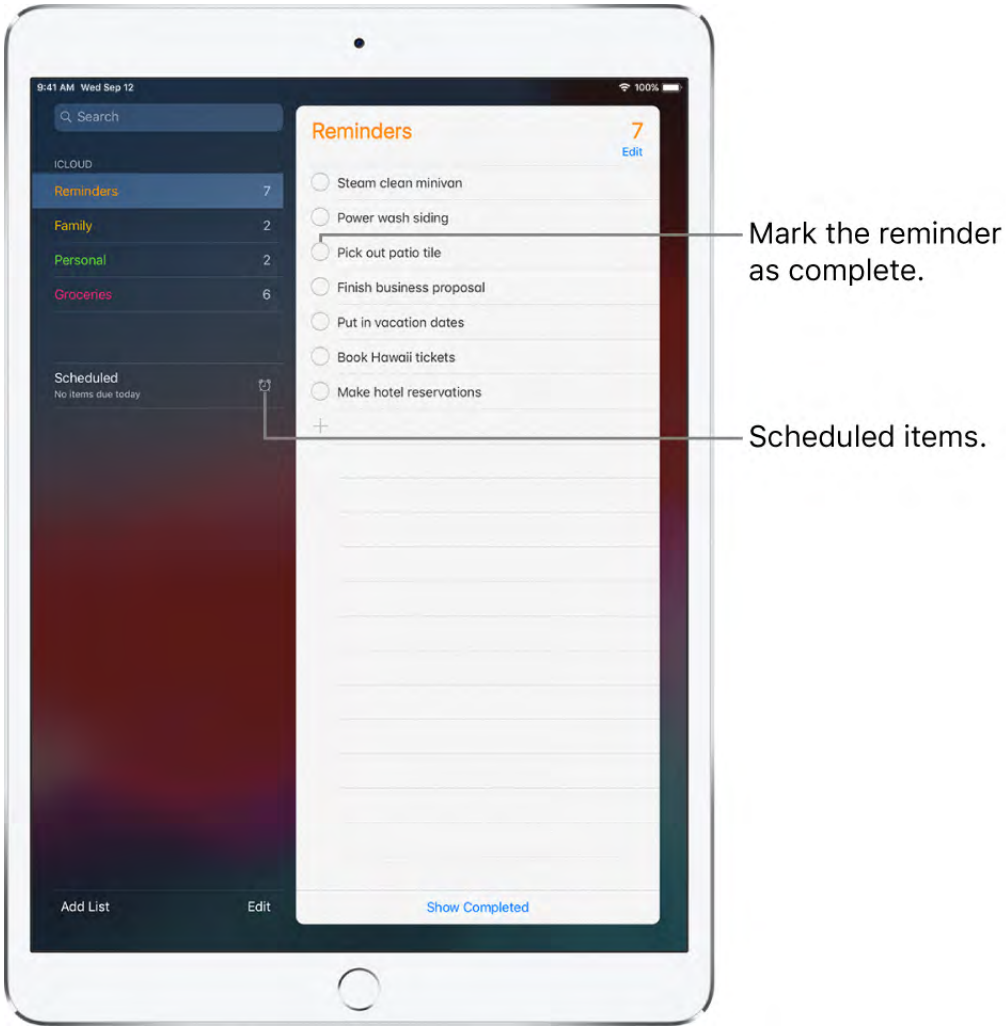
Reminders

Make a reminder list on iPad

Keep track of the things you need to do in the Reminders app. You can create lists, add items, and schedule dates and times when you want to receive notifications (reminders) about the items on the list.

Ask Siri. Say something like: "Add artichokes to my groceries list." Learn how to ask Siri.



Add a reminder

1. Tap the Reminders list.
2. Tap +, then enter your reminder.
3. Tap Done.

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To delete a reminder, swipe left on the reminder, then tap Delete.

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Note: To change the default list new reminders you create outside of a specific list appear in, go to Settings > Reminders > Default List, then select the list you want to use.

Create a new reminder list

Some lists, like Reminders and Family, are already created for you. You can create new lists for categories like work, school, or personal.

1. Tap + at the top of the screen.
2. Tap List, then select the account you want to add the list to.
3. Name the list, choose a color, then tap Done.

To delete a list, tap Edit at the top of the list, then tap Delete List.

Keep your reminders up to date on other devices

Go to Settings > [*your name*] > iCloud, then turn on Reminders.

Some other types of accounts, such as Exchange, also support Reminders. You can change how far back past reminders are synced in Settings > Reminders.

Tip: With OS X 10.10 or later, you can hand off reminders you're editing between your Mac and iPad. See Use Handoff with iPad.

Share reminder lists on iPad

In the Reminders app, use iCloud to share reminder lists and keep your reminders up to date on other devices.

Share a list using iCloud

You can share a list with friends and family who also have an iCloud account. Those who accept the invitation can add and delete reminders, and mark reminders as completed.

1. While viewing a list, tap Edit, then tap Sharing.
2. Tap Add person, then enter an email address.
3. Tap Add, then tap Done.

Family members that use Family Sharing can also share a list. See Set up a family reminder .

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Keep your reminders up to date on other devices

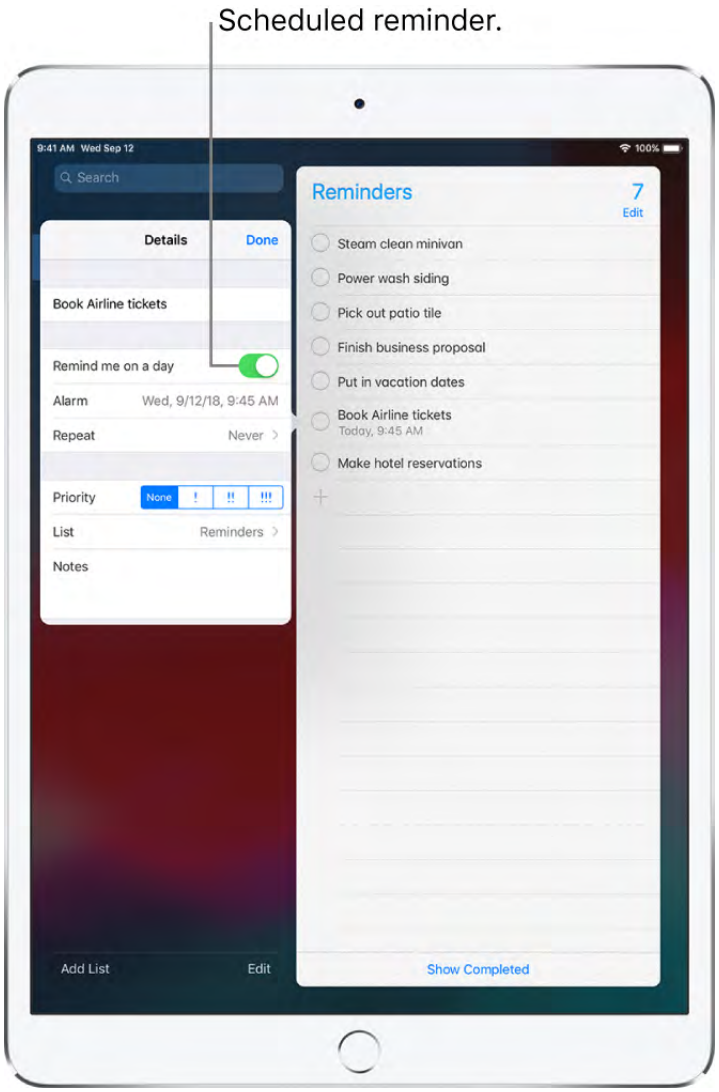
Go to Settings > [*your name*] > iCloud, then turn on Reminders. Some other types of accounts, such as Exchange, also support Reminders. You can change how far back past reminders are synced in Settings > Reminders.

Tip: With OS X 10.10 or later, you can hand off reminders you're editing between your Mac and iPad. See Use Handoff with iPad.

Schedule reminders on iPad

In the Reminders app, schedule reminders and receive a notification when they're due.

Ask Siri. Say something like: "Remind me to take my medicine at 6 a.m. tomorrow." Learn how to ask Siri.



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Schedule a reminder

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1. Open a list, swipe left on the reminder you want to schedule, then tap More.
2. Turn on “Remind me on a day,” then do any of the following:
   - *Schedule the date and time:* Tap Alarm.
   - *Schedule the reminder for regularly occurring intervals:* Tap Repeat.
3. Tap Done.

To turn off reminder notifications, go to Settings > Notifications > Reminders, then turn off Allow Notifications. To silence notifications temporarily, go to Settings > Do Not Disturb, then turn on Do Not Disturb.

Set location-based reminders on iPad

In the Reminders app, you can set a reminder to notify you when you arrive at or leave a location (for example, when you leave work, you can get a reminder to stop at the library).

Ask Siri. Say something like: “Remind me to stop at the grocery store when I leave here.” Learn how to ask Siri.

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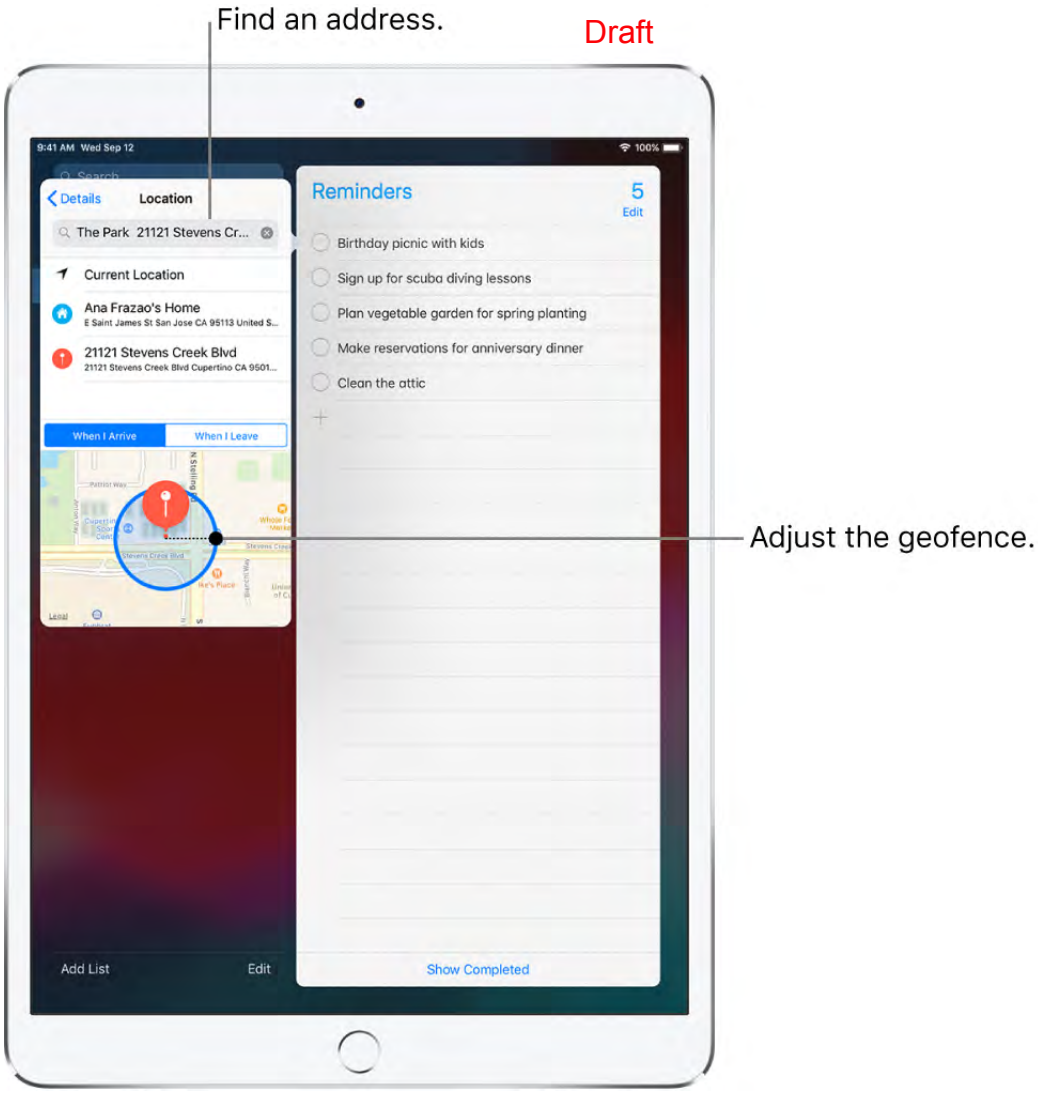

Be reminded when you arrive at or leave a location

1. Open a list, swipe left on the reminder, then tap More.
2. Turn on “Remind me at a location,” then tap Location.
3. In the search field, enter the address or location where you want to be reminded or choose a location from the list.
4. Choose if you want a reminder when you leave or arrive at that location.

   Drag the black dot on the map in or out to change the perimeter of your reminder area.
5. Tap Details to return to the previous screen, then tap Done.

When you set a location reminder, locations in the list include addresses from your My Card in Contacts. Add your work, home, and other favorite addresses to your card for easy access in Reminders.

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Note: To receive location-based reminders, make sure that Location Services is turned on in Settings > Privacy.

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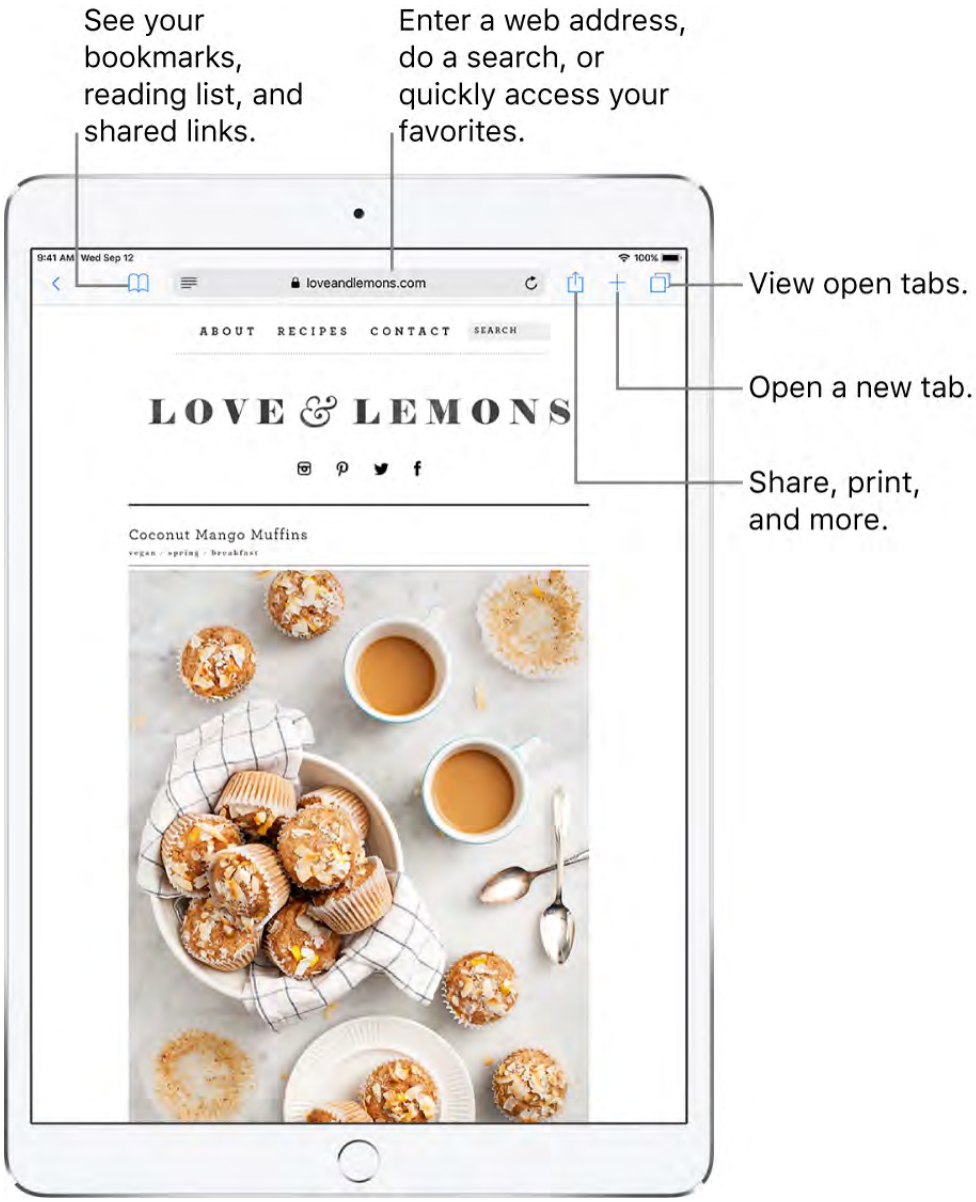
Safari

Browse the web using Safari on iPad

With the Safari web browser, you can browse the web, add webpages to your reading list to read later, and add page icons to the Home screen for quick access. If you sign in to iCloud with the same Apple ID on all your devices, you can see pages you have open on other devices, and keep your bookmarks, history, and reading list up to date on all your devices.



View websites with Safari

You can easily navigate a webpage with a few taps.

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- *Get back to the top:* Double-tap the top edge of the screen to quickly return to the top of a long page.
- *See more of the page:* Turn iPad to landscape orientation.
- *Refresh the page:* Tap ↻ next to the address in the search field.
- *View the desktop version of a site:* To see the full desktop version of a site instead of the mobile version, tap ⎙, then tap Request Desktop Site.
- *Share links:* Tap ⎙.

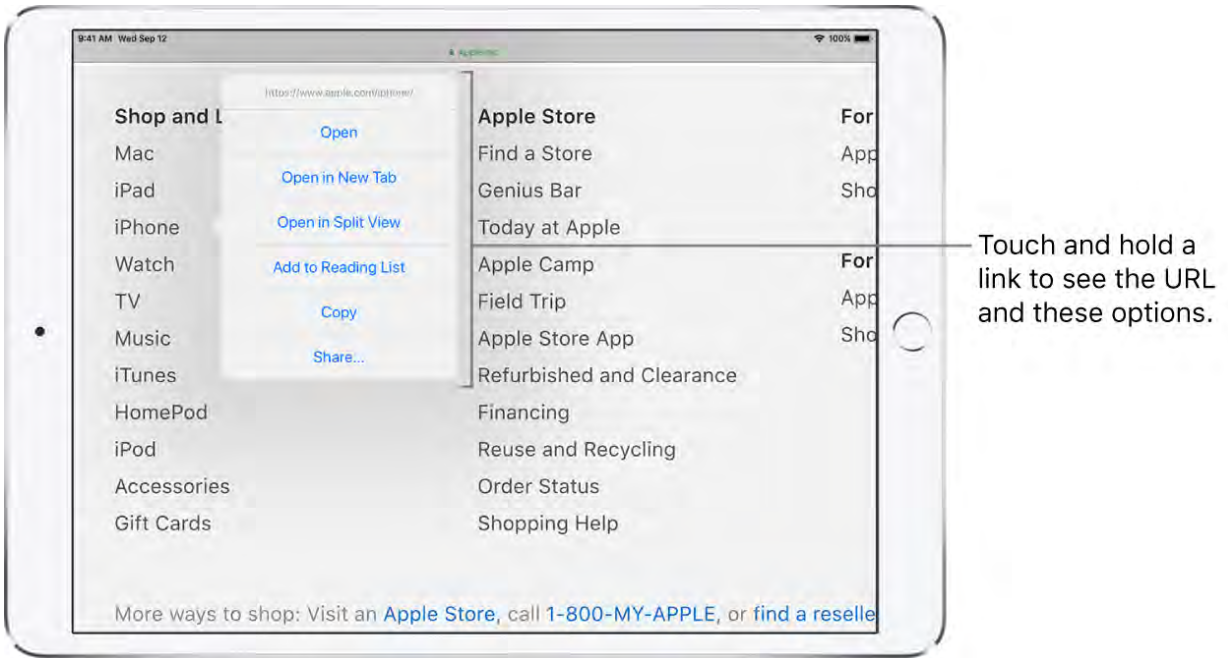
View two pages side-by-side

When iPad is in landscape orientation, you can:

- *Open a link in Split View:* Touch and hold the link, then tap Open in Split View.
- *Open a blank page in Split View:* Touch and hold ⧉, then tap Open Split View.
- *Move a tab to the other side of Split View:* Drag the tab left or right from the tab bar.
- *Merge or close all tabs:* Touch and hold ⧉.

Preview the URL of a link

To see the URL of a link before you go to a webpage, touch and hold the link.



Use tabs in Safari on iPad

In the Safari app, use tabs to help you navigate between multiple open webpages.

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Open a link in a new tab

Touch and hold the link, then tap Open in New Tab. Or, tap the link with two fingers.

To automatically switch to the new tab whenever you open a link in a new tab, go to Settings > Safari > Open Links, then tap In Background.

Browse open tabs

Tap —or pinch closed with three fingers—to view all your open tabs. (If you have several open tabs, tabs for the same site are stacked.) Then do any of the following:

- *Close a tab:* Tap in the upper-left corner, or swipe left on the tab.
- *View a single tab again:* Tap a tab, or tap Done, or pinch open with three fingers.

  Tip: To see a tab's history, touch and hold or .

Reopen a recently closed tab

Touch and hold , then choose from the list of recently closed tabs.

Show or hide the tab bar

Go to Settings > Safari, then turn Show Tab Bar on or off.

View tabs that are open on your other devices

1. Sign in to iCloud with the same Apple ID on all your devices.
2. Turn on Safari in Settings > [*your name*] > iCloud.

   Note: To also see tabs open on your Mac, you must have Safari selected in the iCloud pane of System Preferences on your Mac and be signed in to iCloud with the same Apple ID.
3. Tap , then scroll to the list at the bottom.

To close a tab, swipe left, then tap Close.

Search for websites using Safari on iPad

In the Safari app , enter a URL or a search term to find websites or specific information.

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Search the web

1. Enter a URL or search term in the search field at the top of the page.
2. Tap a search suggestion, or tap Go on the keyboard to search for exactly what you typed.

If you don't want to see suggested search terms, go to Settings > Safari, then turn off Search Engine Suggestions (below Search).

Quickly search a site you've visited before

Enter the name of the site, followed by your search term. For example, enter "wiki einstein" to search Wikipedia for "einstein."

To turn this feature on or off, go to Settings > Safari > Quick Website Search.

See your favorites when you enter an address, search, or create a new tab

Go to Settings > Safari > Favorites, then select the folder with the favorites you want to see.

Search the page

You can find a specific word or phrase on a page.

1. Tap, then tap Find on Page.
2. Enter the word or phrase in the search field.
3. Tap to find other instances.

Choose a search engine

Go to Settings > Safari > Search Engine.

Bookmark favorite webpages in Safari on iPad

In the Safari app, bookmark websites and add them to Favorites to easily revisit later.

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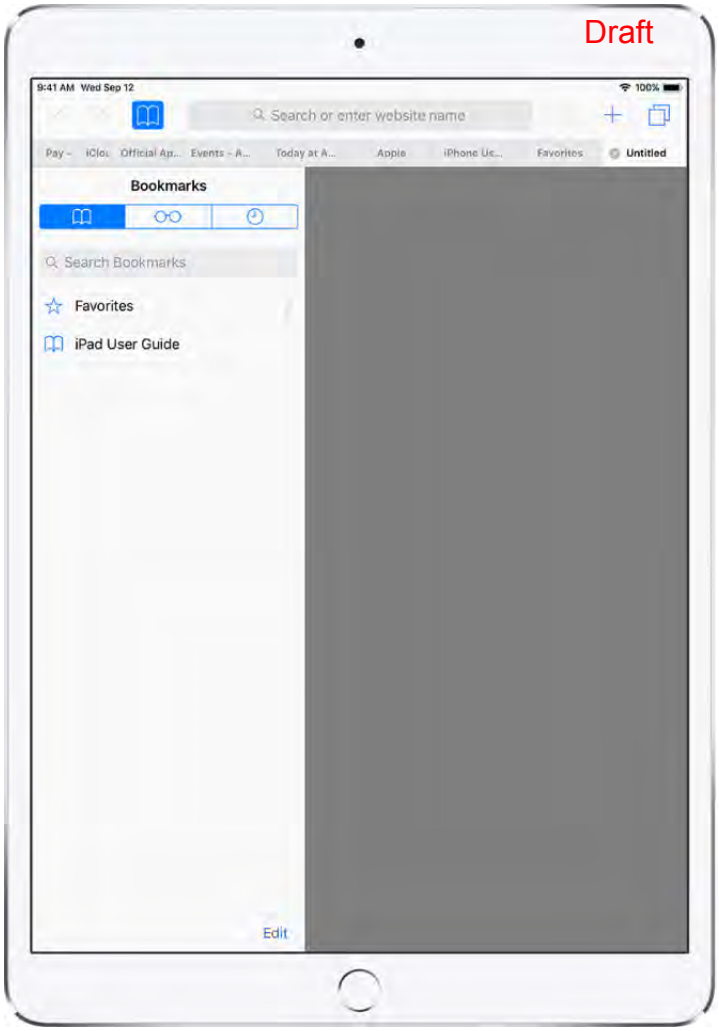

Bookmark the current page

Touch and hold 📖, then tap Add Bookmark.

View and organize your bookmarks

Tap 📖, then tap the Bookmarks tab.

To create a new folder or to delete, rename, or reorder bookmarks, tap Edit.

See your Mac bookmarks on iPad

Go to Settings ⚙ > [*your name*] > iCloud, then turn on Safari.

Note: You must also have Safari selected in the iCloud pane of System Preferences on your Mac and be signed in to iCloud with the same Apple ID.

Add a webpage to your favorites

Open the page, tap ⬆, then tap Add to Favorites.

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To edit your favorites, tap 📖, tap the Bookmarks tab, tap Favorites, then tap Edit to delete, rename, or rearrange your favorites.

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Quickly see your favorite and frequently visited sites

Tap the search field to see your favorites. Scroll down to see frequently visited sites.

Note: To avoid seeing a list of these sites, go to Settings ⚙ > Safari, then turn off Frequently Visited Sites.

Add an icon for the current page to your Home screen

To quickly access the page from your Home screen, tap ⬆, then tap Add to Home Screen. The icon appears only on the device where you add it.

Save pages to a reading list in Safari on iPad

In the Safari app 🧭, save interesting items in your reading list so you can revisit them later. You can even save the items in your reading list to iCloud and read them later when you're not connected to the Internet.

Add the current page to your reading list

Tap ⬆, then tap Add to Reading List.

Tip: To add a linked page without opening it, touch and hold the link, then tap Add to Reading List.

View your reading list

Tap 📖, then tap 👓.

To delete an item from your reading list, swipe the item to the left.

Automatically save all reading list items to iCloud for offline reading

Go to Settings ⚙ > Safari, then turn on Automatically Save Offline (below Reading List).

Automatically fill in forms in Safari on iPad

In the Safari app 🧭, use AutoFill to automatically fill in credit card information, contact information, and user names and passwords.

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Fill in a form

1. Tap a field to bring up the keyboard.
2. Tap ∧ or ∨ above the keyboard to move from field to field.

Fill in your contact information automatically

When you fill in contact information on a website that supports AutoFill, tap AutoFill Contact above the keyboard.

Tap Customize to edit and store your information for next time. Or, tap Other Contact to fill in someone else's information.

Add a credit card for purchases

1. Go to Settings > Safari > AutoFill > Saved Credit Cards > Add Credit Card.
2. To enter the information without typing, tap Use Camera, then position iPad so that your card appears in the frame.

You can also save the credit card information when you make an online purchase. See Set up iCloud Keychain on iPad.

Use your credit card information

1. When you fill in credit card information, tap AutoFill Credit Card above the keyboard.
2. Enter your card's security code (for security purposes, this code isn't stored—you must enter it manually each time you use a card).

For greater security of your credit card information, use a passcode for iPad.

Submit a form

Tap Go, Search, or the link on the webpage.

Turn off AutoFill

You can turn off AutoFill for your contact or credit card information, and for passwords.

- *Turn off AutoFill for your contact or credit card information:* Go to Settings > AutoFill, then turn off either option.
- *Turn off AutoFill for passwords:* Go to Settings > Passwords & Accounts, then turn off AutoFill Passwords.

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Hide ads and distractions in Safari on iPad

In the Safari app, use Safari Reader to view a page without ads, navigation, or other distracting items.

Show Reader view

Reader view formats a webpage to show just the relevant text and images.

Tap ☰ at the left end of the address field.

To return to the full page, tap ☰ in the address field again.

Note: If you don't see the icon, Reader isn't available for the page you're looking at.

Share the article text and the link to it

Tap ⎙ while viewing the page in Reader.

Use Reader automatically

1. On a supported website, touch and hold ☰.
2. Choose to use Reader automatically on the current website or on all websites.

Block pop-ups

Go to Settings > Safari, then turn on Block Pop-ups.

Browse privately in Safari on iPad

You can adjust settings in the Safari app to keep your browsing activities private and protect yourself against malicious websites.

Control privacy and security settings for Safari

Go to Settings > Safari, then below Privacy & Security, turn any of the following on or off:

- *Prevent Cross-Site Tracking:* Safari limits third-party cookies and data by default. Turn this option off to allow cross-site tracking.

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- *Block All Cookies:* To prevent websites from adding cookies to your iPad, go to Settings > Safari, then turn on Block All Cookies. (To remove cookies already on iPad, go to Settings > Safari > Clear History and Website Data.)
- *Ask Websites Not to Track Me:* But beware—a website can choose not to honor the request.
- *Fraudulent Website Warning:* Safari displays a warning if you're visiting a suspected phishing website.

If you visit a website on Safari that is not secure, a warning appears in the Safari search field.

Erase your browsing history and data

Go to Settings > Safari > Clear History and Website Data.

Visit sites without making history

Tap , then tap Private.

While Private Browsing Mode is on, the Safari background is black instead of white, and sites you visit don't appear in History on iPad or in the list of tabs on your other devices.

To hide the sites and exit Private Browsing Mode, tap , then tap Private again. The sites reappear the next time you use Private Browsing Mode.

Check stocks on iPad

Use the Stocks app on iPad to track market activity, view the performance of stocks you follow, and get the latest business news.

Ask Siri. Say something like: "How are the markets doing?" or "How's Apple stock today?" Learn how to ask Siri.

Manage your watchlist

Add the stocks you follow to your watchlist to quickly view price, price change, percentage change, and market capitalization values.

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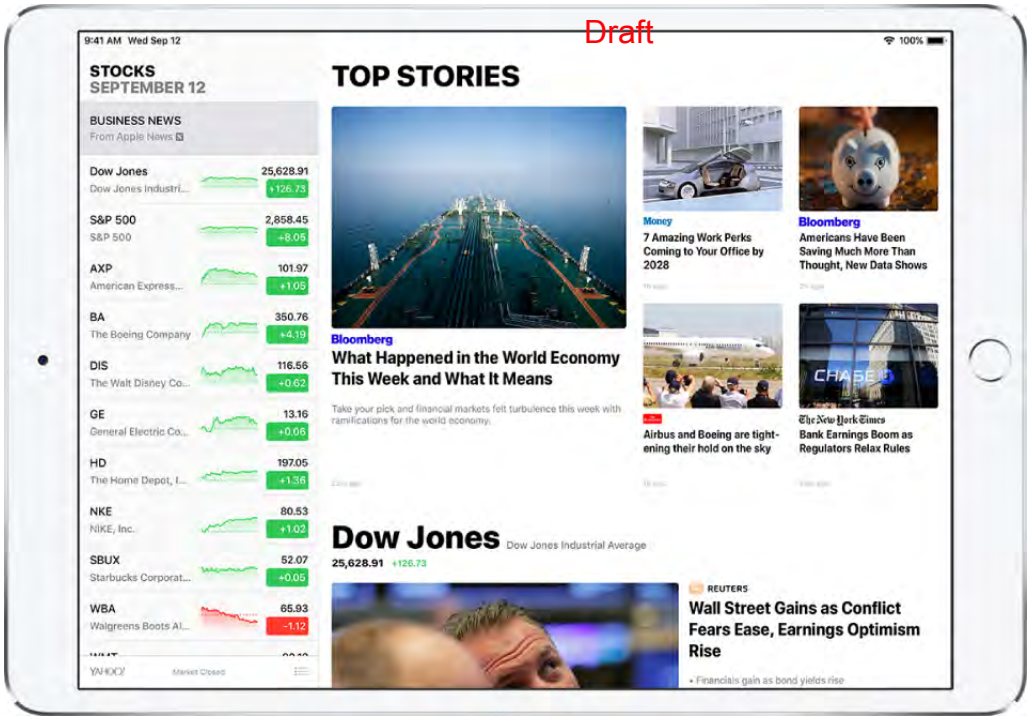

- *Add a symbol to your watchlist:* Pull the watchlist down to show the search field, then enter a stock symbol, company name, fund name, or index. Tap the symbol you want to add in the search results, then tap ➕.
- *Delete a symbol:* Tap ☰ at the bottom of the screen. Tap ➖ next to the symbol you want to delete, then tap Remove.
- *Reorder symbols:* Tap ☰ below the watchlist. Touch and hold ☰, then drag up or down.

View stock charts, details, and news

Tap a stock symbol in your watchlist to view an interactive chart, additional details, and related news stories.

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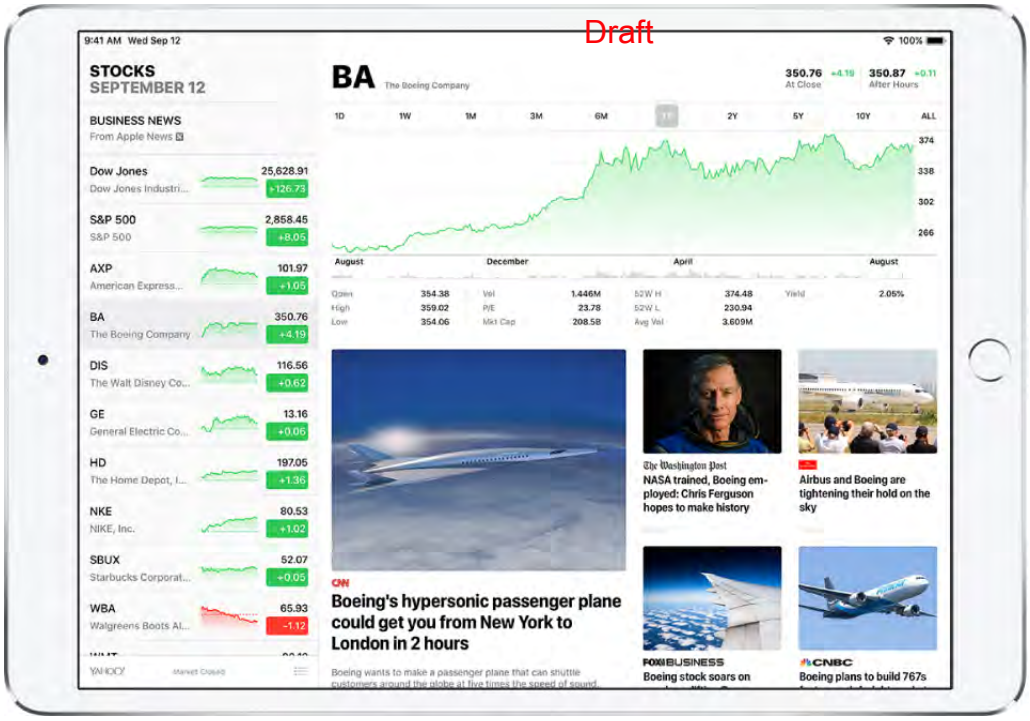

- *See the performance of a stock over time:* Tap an option from the time range selections at the top of the chart.
- *See the value for a specific date or time:* Touch and hold the chart with one finger.
- *See the difference in value over time:* Touch and hold the chart with two fingers.
- *See more details:* Swipe the data below the chart to see additional stock details like 52-week high and low, Beta, EPS, and average trading volume.
- *Read news:* Swipe up to see additional news stories, then tap a story to read it.

View your watchlist across devices

You can view your watchlist across your iOS devices and Mac when you're signed in to iCloud with the same Apple ID.

On your iOS devices, go to Settings > [*your name*] > iCloud, then turn on Stocks. On your Mac, go to System Preferences > iCloud, then turn on Stocks.

Read business news

Tap Business News above the watchlist to see Top Stories selected by Apple News editors that highlight the current news driving the market (available in the U.S., the U.K., and Australia).

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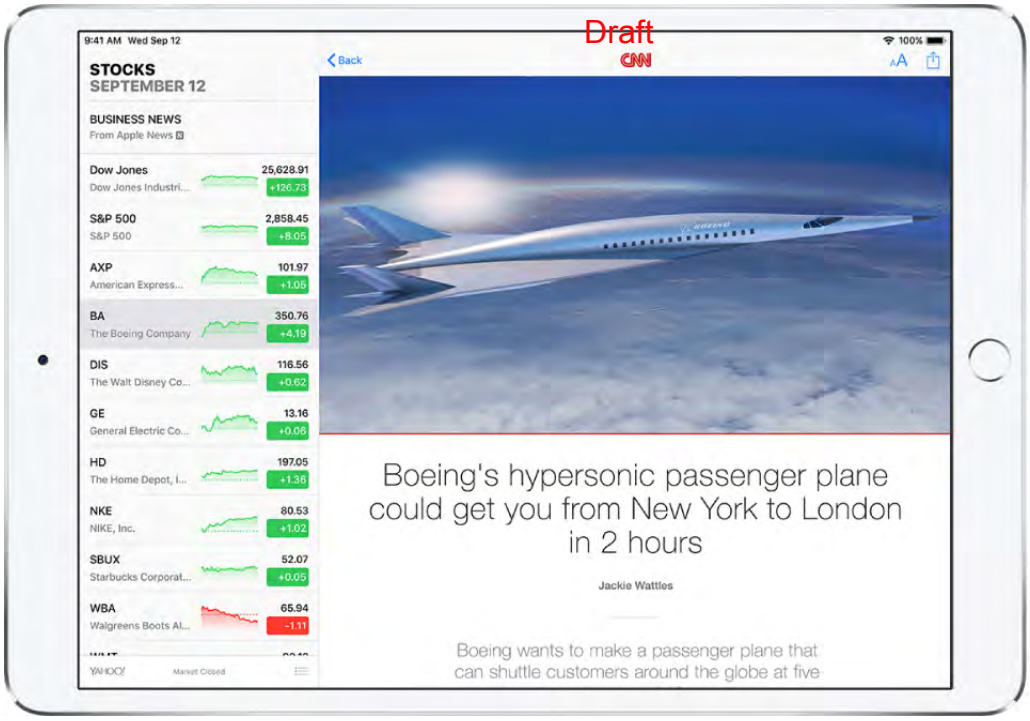

The news feed also includes stories about companies in your watchlist. Swipe up on the news feed to see these articles grouped by ticker symbol. Stories from publications you have blocked in Apple News don't appear in the news feed. See View news stories chosen just for you on iPad.

Get tips on iPad

In the Tips app, see collections of tips that help you get the most from iPad.

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Get Tips

In the Tips app, tap a collection to learn how to take better photos, use dictation, create a custom radio station, and much more.

New tips are added frequently.

Get notified when new tips arrive

1. Go to Settings , then tap Notifications.
2. Tap Tips below Notification Style, then turn on Allow Notifications.
3. Choose options for the location and style of tip notifications, when they should appear, and so on.

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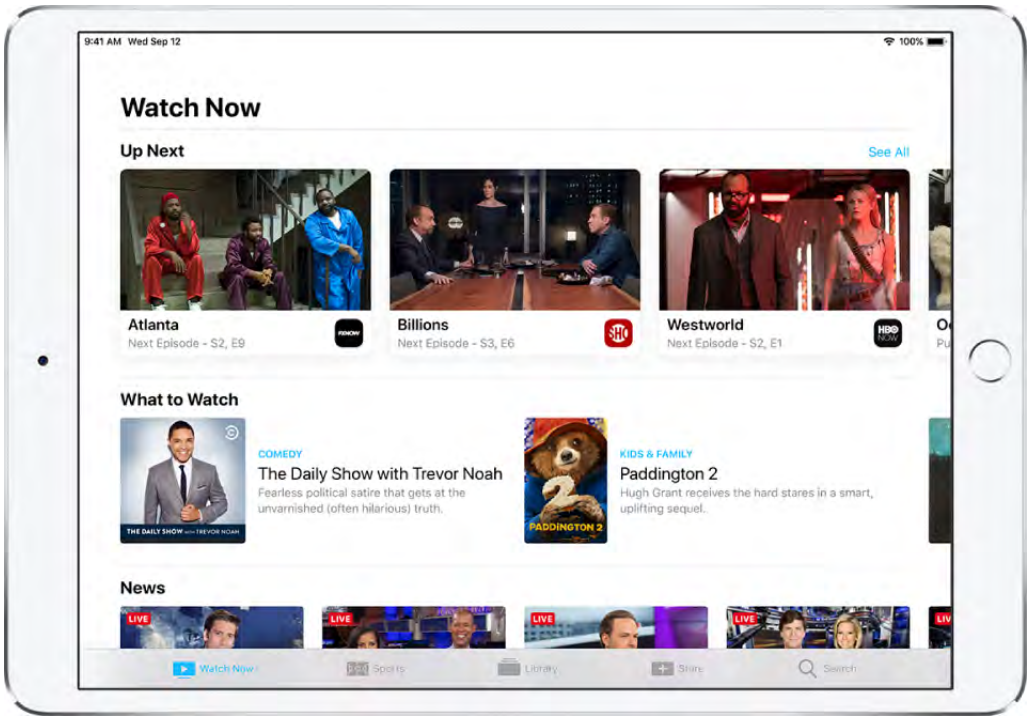
TV

Find movies, TV shows, and more in the Apple TV app on iPad

Use the Apple TV app to explore content from all your supported video apps in one place. You can watch movies and TV shows from iTunes, content from your subscription services, live sports and news, and a wide variety of free content. The Apple TV app is on your iOS devices and Apple TV, so you can watch at home or wherever you go.



Note: The Apple TV app is available in select regions. Live sports and news aren't available in all regions.

Use single sign-on to authenticate your cable or satellite subscription credentials

Single sign-on provides immediate access to all the supported video apps in your subscription package. You can sign in when you first open the Apple TV app on your iPad, or do the following:

1. Go to Settings > TV Provider.
2. Choose your TV provider. If you don't see it, sign in directly from the app you want to use.

If your TV provider isn't listed, sign in directly from the app you want to use.

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Browse or search for content

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In the Apple TV app, do any of the following:

- *Explore movies and TV shows:* Tap Watch Now.

  The Up Next section shows content you've recently added, the next episode in a series you've been watching, and content you haven't finished. The What to Watch section recommends new content across your supported apps.

- *Watch live news:* (not available in all regions) Tap Watch Now, scroll down to the News section, then choose a news channel.

- *Browse by category:* Tap Watch Now, scroll down, then tap a category.

- *Search for a title, sport, team, or cast member:* Tap Search. In the search field, enter what you're looking for.

Explore sports (not available in all regions)

- *Browse by sport:* Tap Sports, where you can browse the events of many sports, such as football, baseball, and basketball. To narrow your browsing, scroll down, then choose a sport.

- *Choose your favorite teams:* Tap Sports, scroll to the bottom, then tap Pick Your Favorite Teams. Their games automatically appear in Up Next, and you'll receive notifications about your favorite teams.

- *Watch a game:* Tap Watch Now, scroll down to the Sports section, then browse the live and upcoming games.

To hide the scores of live games, go to Settings > TV, then turn off Show Sports Scores.

Manage your Up Next queue

- *Add an item to Up Next:* Tap the title, tap ···, then tap Add to Up Next.

- *Remove an item from Up Next:* Touch and hold the item, then tap Remove from Up Next.

WARNING: For important information about avoiding hearing loss, see Important safety information for iPad.

Watch *Westworld* and *Insecure* on HBO NOW® with a subscription. HBO NOW® is accessible in the U.S. and certain U.S. territories. Certain restrictions apply. ® and © 2018 Home Box Office, Inc. All rights reserved. HBO NOW® and related channels and service marks are the property of Home Box Office, Inc. Watch *The Handmaid's Tale* on Hulu with a subscription. Watch *Legion* on FXNOW.

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Watch content in the Apple TV app on iPad

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Start playing content from the Apple TV app on iPad. iTunes content and select free movies and shows play in the Apple TV app, while content from other providers plays in the supported video app.

Watch content

1. Tap the title to see the details screen.
2. Choose any of the following options (not all options are available for all titles):
   - *Watch with the suggested video app:* Tap .
   - *Choose a different video app:* If the content is available from multiple providers, tap to choose a provider.
   - *Buy or rent from the iTunes Store:* Tap Buy or Rent. Or tap , then tap Open in iTunes. See Get music, movies, TV shows, and more in the iTunes Store on iPad.
   - *Download the content:* Tap . After you download the content, you can watch it even when you're not connected to the Internet.

Control the playback of iTunes content

During playback, tap the screen to show the controls.

Jurassic World: Fallen Kingdom is available on iTunes.

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	Play
	Pause
	Skip to the beginning of the chapter; touch and hold to rewind
	Skip to the next the chapter; touch and hold to fast-forward
	Change the aspect ratio; if you don't see the scaling control, the video already fits the screen perfectly
	Display subtitles and closed captions (not available for all content)
	Stream video to an Apple TV using AirPlay
	Multitask with Picture in Picture

To customize the appearance of subtitles and closed captions, go to Settings > General > Accessibility > Subtitles & Captioning > Style.

Continue watching on your Apple TV

1. Make sure you're signed in with the same Apple ID on your iPad and Apple TV.
2. Open the Apple TV app on your Apple TV.
3. In the Up Next section of Watch Now, click the movie or TV show you want to resume.

Remove a download

1. In the Library tab, tap Library at the top left.
2. Tap Downloaded, then navigate to the title you want to remove.
3. Tap DOWNLOADED, then tap Remove Download.

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Change the Apple TV app settings

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1. Go to Settings > TV.
2. Do any of the following:
   - *Choose the video quality (Wi-Fi models):* Tap Playback Quality, then choose Best Available or Good.
   - *Choose the video quality (Wi-Fi + Cellular models):* Below Playback Quality, tap Wi-Fi or Cellular, then choose Best Available or Good.

     High-quality playback requires a faster Internet connection and uses more data.
   - *Update your Up Next queue on all your devices:* Turn on Up Next.
   - *Choose which video apps connect to the Apple TV app:* Below Connect to TV, turn the videos apps on or off.

Jurassic World: Fallen Kingdom TM and © 2018 Universal Studios and Amblin Entertainment, Inc. All rights reserved.

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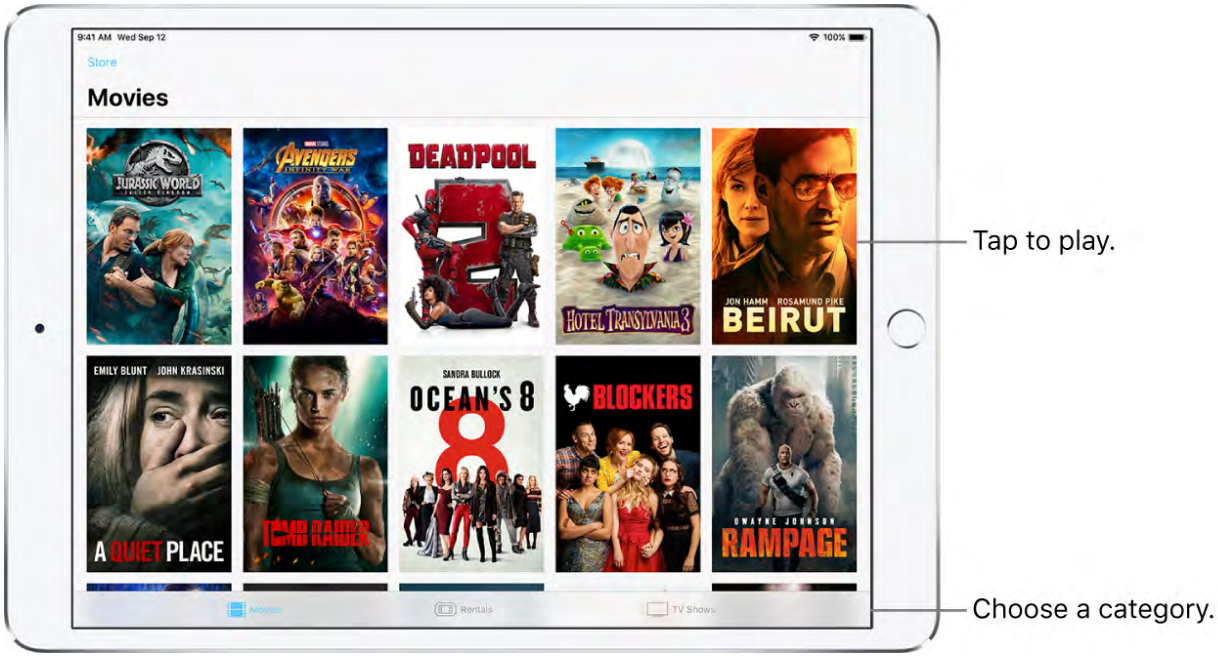
Videos

Find movies and TV shows in Videos on iPad

In Videos, find your purchases and rentals from the iTunes Store in one convenient place.



Note: In some regions, Videos has been replaced by the Apple TV app. Also, the iTunes Store is available in only certain regions. See the iOS Feature Availability website.

Buy or rent a movie or TV show

1. In Videos, tap Store.
2. Tap an item to see its details.
3. Tap the purchase or rental price.

See Manage your iTunes Store purchases and settings on iPad.

Note: iTunes movie rentals aren't available everywhere. See the Apple Support article App Store, iTunes Store, and Apple Books availability

Play content in Videos on iPad Draft

In the Videos app 🎬, you can stream content from iTunes or download it for offline viewing. Play, pause, or skip to any point in the video. Choose the language, subtitles, playback quality, and more. You can even stream to your Apple TV using AirPlay.

Jurassic World: Fallen Kingdom is available on iTunes.

Play a movie or TV show

Draft

1. Tap the title to see the details screen.
2. Do any of the following:
   - *Stream the video:* Tap ▶ to stream the video over your Internet connection.
   - *Download the content:* Tap ☁. After you download the content, you can watch it even when you're not connected to the Internet.
3. During playback, tap the screen to see the following controls:

	Play
	Pause
	Skip to the beginning of the chapter; touch and hold to rewind
	Skip to the next the chapter; touch and hold to fast-forward
	Change the aspect ratio; if you don't see the scaling control, the video already fits the screen perfectly
	Display subtitles and closed captions (not available for all content)
	Stream video to an Apple TV using AirPlay
	Multitask with Picture in Picture

Change your Videos settings

1. Go to Settings ⚙ > Videos.
2. You can change settings such as the following:
   - *Start Playing:* Choose where to resume video playback.
   - *Show only your downloaded videos:* Turn off Show iTunes Purchases.
   - *Use Cellular Data for Playback:* (Wi-Fi + Cellular models) Turn it off to restrict playback to a Wi-Fi connection.
   - *Playback Quality:* Choose Best Available or Good.

     Note: High-quality playback requires a faster Internet connection and uses more data.

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To see subtitles and closed captions for the deaf and hard of hearing, go to Settings > General > Accessibility > Subtitles & Captioning, then turn on Closed Captions + SDH. Tap Style to change their appearance.

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WARNING: For important information about avoiding hearing loss, see Important safety information for iPad.

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Manage your library in Videos on iPad

Manage your library in the Videos app. You can transfer or stream videos from your computer to iPad, and delete unwanted videos.

Stream videos from your computer to iPad

1. On your computer, open iTunes, then turn on Home Sharing.
2. On iPad, go to Settings > Videos, then enter the Apple ID and password you use for Home Sharing on your computer.
3. In Videos, tap Shared.

Sync videos from your computer to iPad

1. Connect iPad to your computer.
2. Sync videos from iTunes on your computer.

If you get a message that says a video can't play on iPad, you can convert the video. In iTunes on your computer, choose File > Convert > Create iPod or iPhone Version, then sync the converted video to iPad.

Remove downloaded content

1. In Videos, tap Edit in the upper right of your collection.

   If you don't see the Edit button, look for ☁ on your video thumbnails—those videos haven't been downloaded to iPad, so you can't remove them.
2. Tap ⊗ on the video thumbnail.
3. To remove an individual episode of a series, tap the series, then swipe left on the episode in the Episodes list.

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Removing a video from iPad doesn't delete it from your purchased content in iCloud or from your iTunes library on your computer. You can download the video or sync it to iPad again later.

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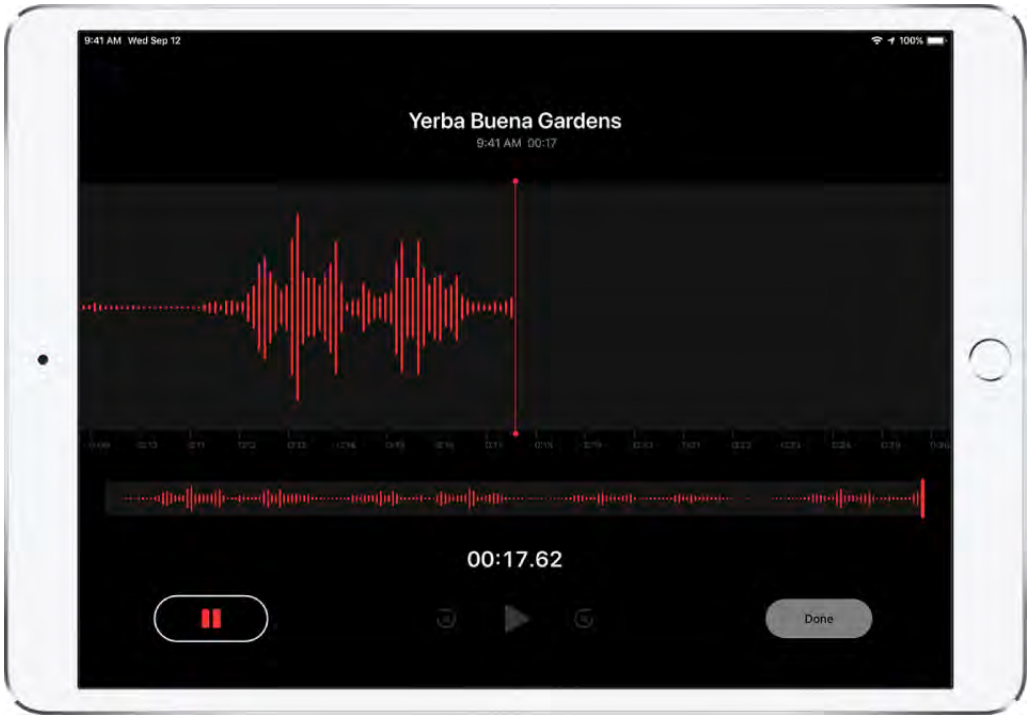
Voice Memos

Make a recording in Voice Memos on iPad

With the Voice Memos app, you can use iPad as a portable recording device to record personal notes, classroom lectures, musical ideas, and more. You can fine-tune your recordings with editing tools like trim, replace, and resume. Use Voice Memos with the built-in microphone, an iPad or Bluetooth headset mic, or a supported external microphone. With Voice Memos in iCloud, you can capture audio anywhere with your device, then open it on your Mac to edit and share recordings, and more.



Make a basic recording

1. To begin recording, tap, or press the center button on your headset.

   To adjust the recording level, move the microphone closer to or farther from what you're recording. For better recording quality, the loudest level should be between –3 dB and 0 dB.

2. Tap Done to finish recording.

Your recording is saved with the name New Recording or the name of your location, if Location Services is turned on in Settings > Privacy. To change the name, tap the recording, then tap the name and type a new one.

To fine-tune your recording, see Edit a recording in Voice Memos.

Use the advanced recording features

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You can make a recording in parts, pausing and resuming as you record.

1. To begin recording, tap ⏺, or press the center button on your headset.

   To adjust the recording level, move the microphone closer to or farther away from what you're recording.

   To see more details while you're recording, swipe up from the top of the waveform.

2. Tap ⏸ to stop recording; tap Resume to continue.

3. To review your recording, tap ▶.

   To change where playback begins, drag the playhead right or left across the small waveform at the bottom of the screen before you tap ▶.

4. To save the recording, tap Done.

Your recording is saved with the name New Recording or the name of your location, if Location Services is turned on in Settings > Privacy. To change the name, tap the recording, then tap the name and type a new one.

To fine-tune your recording, see Edit a recording in Voice Memos.

Mute the start and stop tones

While recording, use the iPad volume down button to turn the volume all the way down.

Use another app while recording

While you're recording, you can use another app, as long as it doesn't play audio on your device. If the app starts playing or recording sound, Voice Memos stops recording.

1. While recording, you can go to the Home screen and open another app.

   Note: During recording, Voice Memos will record any sounds produced by you or the movement of your device while you're using the other app.

2. To return to Voice Memos, tap the red bar at the top of the screen.

If Voice Memos is turned on in iCloud, your recording is saved in iCloud and shows up automatically on all your devices where you're signed in to iCloud with the same Apple ID.

Recordings using the built-in microphone are mono, but you can record stereo using an external stereo microphone that works with iPad. Look for accessories marked with the Apple "Made for iPad" or "Works with iPad" logo.

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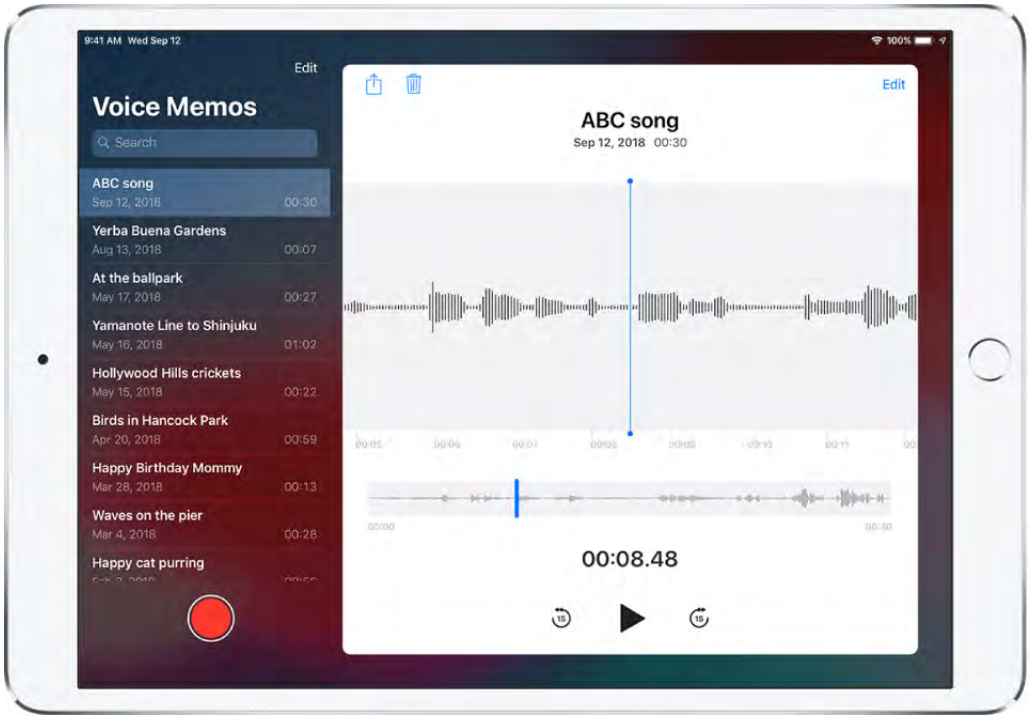
Play a recording in Voice Memos on iPad

In the Voice Memos app, tap a recording and use the playback controls to listen to it.



▶	Play
⏸	Pause
15	Skip back 15 seconds
15	Skip forward 15 seconds

Tip: While the recording is open, you can tap its name to rename it.

Edit or delete a recording in Voice Memos on iPad

In the Voice Memos app, you can use the editing tools to fine-tune your recordings. You can remove parts you don't want, record over parts, or replace an entire recording.

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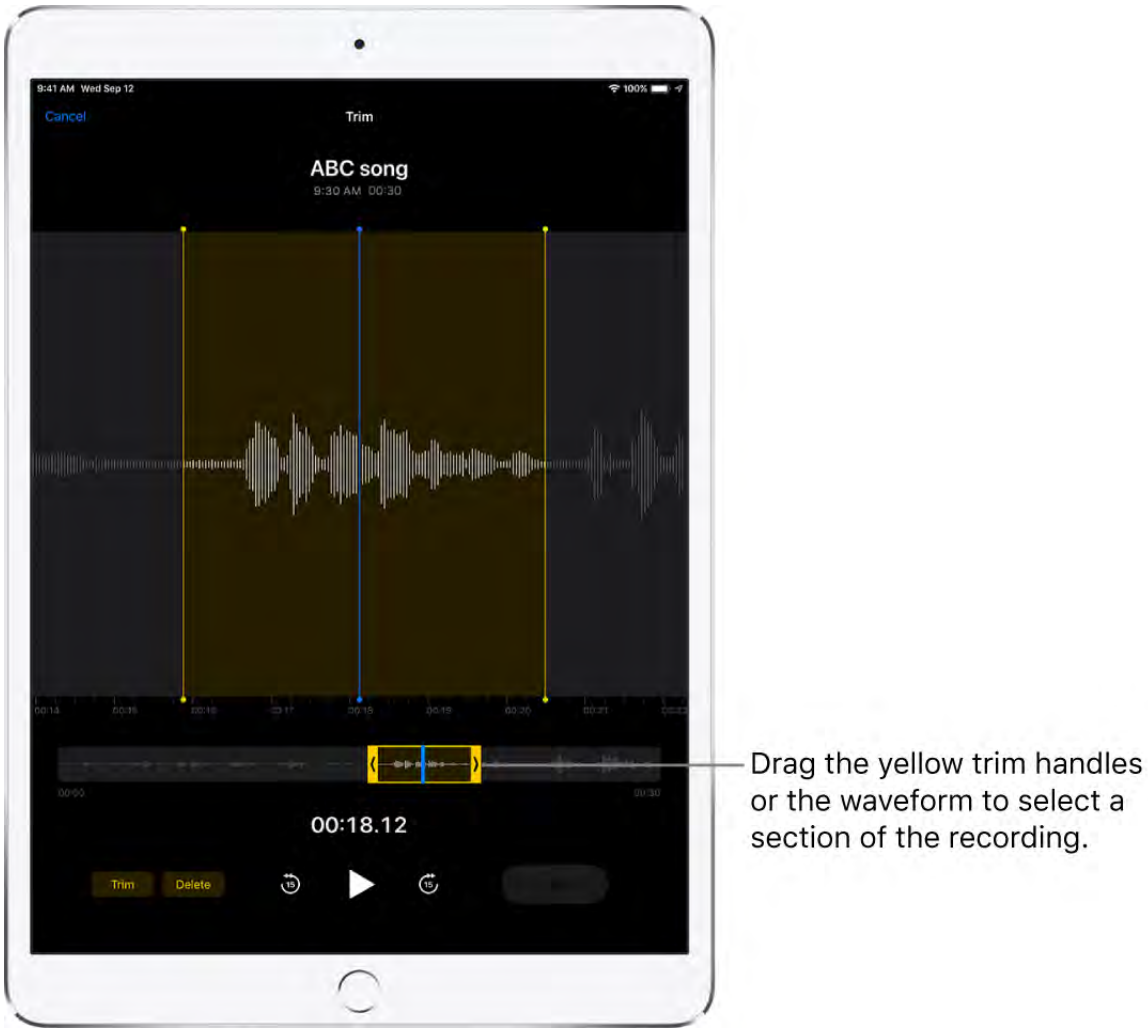
Trim the excess

1. In the Voice Memos list, tap the recording you want to edit, then tap Edit at the top right.
2. Tap ⌗ at the top right, then drag the yellow trim handles to enclose the section you want to keep or delete.



To check your selection, tap ▶.

3. To keep the selection (and delete the rest of the recording), tap Trim, or to delete the selection, tap Delete.
4. Tap Save, then tap Done.

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Replace a recording

1. In the Voice Memos list, tap the recording you want to replace, then tap Edit at the top right.
2. Drag the waveform to position the playhead where you want to start recording new audio.
3. Tap Replace or press the center button on your headset to begin recording (the waveform turns red while you're recording).

   Tap ⏸ to pause; tap Resume to continue.
4. To check your recording, tap ▶.
5. Tap Done to save the changes.

Delete a recording

Do one of the following:

- In the Voice Memos list, tap a recording, then tap 🗑.
- Tap Edit at the top of the Voice Memos list, select one or more recordings, then tap Delete.

Deleted recordings move to the Recently Deleted folder in the Voice Memos list, where they're kept for 30 days by default. To change how long deleted recordings are kept, go to Settings > Voice Memos > Clear Deleted, then select an option. To erase a recording in the Recently Deleted folder, swipe left on the recording, then tap Erase.

To recover a deleted recording, tap the Recently Deleted folder, tap the recording, then tap Recover. To recover or erase everything in the Recently Deleted folder, tap Edit above the Voice Memos list, then tap Recover All or Erase All.

Search for or rename a recording in Voice Memos on iPad

You can search for your recordings in the Voice Memos app, and rename any recording.

Search for a recording

1. In the Voice Memos list, swipe down to reveal the search field.
2. Tap the search field, enter part or all of the recording name, then tap Search.

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Rename a recording

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A recording is initially saved with the name New Recording or the name of your location, if Location Services is turned on in Settings > Privacy.

To change the name, tap the recording, tap the name, then type a new one.

Share and sync recordings in Voice Memos on iPad

In the Voice Memos app, you can share individual recordings, save them in iCloud so they're available on your other devices, and sync them with your iTunes library on your computer.

Share a recording

1. In the Voice Memos list, tap a saved recording, then tap •••.
2. Tap, then choose a sharing option, or save the recording to iCloud Drive.

Use Voice Memos in iCloud

Go to Settings > [*your name*] > iCloud, then turn on Voice Memos.

With Voice Memos turned on in iCloud, your audio recordings are synced across all your devices where you're signed in to iCloud with the same Apple ID (they appear in your Voice Memos list). You can use your iOS device to capture audio, then use your Mac to edit your recordings, incorporate them in other media, share them, and so on.

Sync recordings with iTunes

If you choose not to sync your Voice Memos using iCloud, you can sync them to your computer using iTunes.

1. Connect iPad to your computer.
2. Open iTunes on your computer, then select your iPad near the top-left corner.
3. Click Music in the sidebar.
4. Select Sync Music, make sure Include Voice Memos is selected, then click Sync.

Voice memos synced from iPad to your computer appear in the Voice Memos list in iTunes. Voice memos synced from your computer appear in your Voice Memos app on iPad, but not in the Music app.

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Apple Pay

Set up Apple Pay on iPad

On supported models, set up Apple Pay to make secure payments in apps and on websites that support Apple Pay. In Messages, you can send and receive money from friends and family or make purchases using Business Chat.

Add a credit or debit card

1. Go to Settings > Wallet & Apple Pay.
2. Tap Add Cards; you may be asked to sign in to iCloud with your Apple ID.
3. Do one of the following:
   - *Add a new card:* Position iPad so that your card appears in the frame, or enter the card details manually.
   - *Add your previous cards:* Select the card associated with your Apple ID, cards you use with Apple Pay on your other devices, or cards that you've removed. Tap Continue, then enter the CVV number of each card.

Alternatively, you may be able to add your card from the app of the bank or card issuer.

The card issuer determines whether your card is eligible for Apple Pay, and may ask you for additional information to complete the verification process.

View the information for a card and change its settings

1. Go to Settings > Wallet & Apple Pay.
2. Tap a card, then do any of the following:
   - Tap Transactions to view your recent history. To hide this information, turn off Transaction History. To view all your Apple Pay activity, see the statement from your card issuer.
   - View the last four digits of the card number and Device Account Number—the number transmitted to the merchant.
   - Change the billing address.
   - Remove the card from Apple Pay.

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Change your Apple Pay settings Draft

1. Go to Settings > Wallet & Apple Pay.
2. Do any of the following:
   - Set your default card.
   - Add the shipping address and contact information for purchases.

Remove your cards from Apple Pay if your iPad is lost or stolen

If you enabled Find My iPhone, use it to help locate and secure your iPad.

Do any of the following:

- *On a Mac or PC:* Sign in to your Apple ID account. In the Devices section, click the lost iPad. Below the list of cards, click Remove all.
- *On another iOS device:* Go to Settings > [*your name*], tap the lost iPad, then tap Remove All Cards (below Apple Pay).
- Call the issuers of your cards.

If you remove cards, you can add them again later.

If you sign out of iCloud in Settings > [*your name*], all your credit and debit cards for Apple Pay are removed from iPad. You can add the cards again the next time you sign in to iCloud.

Note: Apple Pay may not be available in all regions, and Apple Pay features may vary by region. See the Apple Support article Countries and regions that support Apple Pay.

Pay in apps or on the web using Apple Pay on iPad

Use Apple Pay to make purchases in apps and on the web in Safari wherever you see the Apple Pay button.

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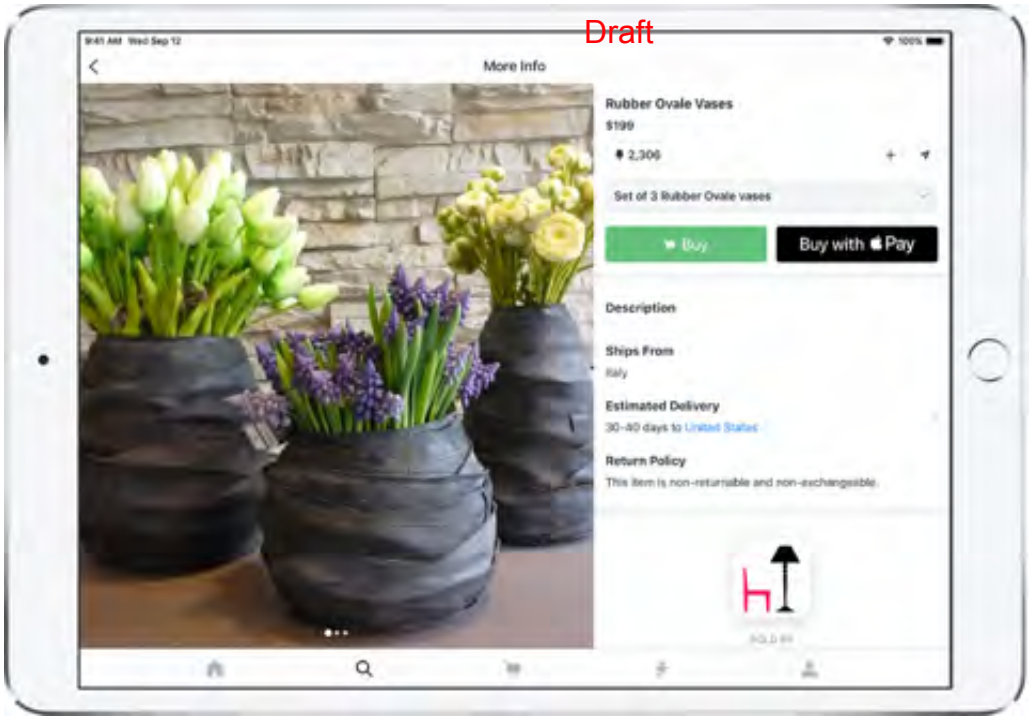

Pay in an app or on the web

1. During checkout, tap the Apple Pay button.
2. Review the payment information.

   You can change the credit card, shipping address, and contact information.
3. Complete the payment:

   - Models with Face ID: Double-click the top button, then glance at iPad to authenticate with Face ID, or enter your passcode.
   - Models with Touch ID: Authenticate with Touch ID or enter your passcode.

Set up and manage Apple Pay Cash on iPad (U.S. only)

When you receive money in Messages, it's added to your Apple Pay Cash card. You can use Apple Pay Cash right away wherever you would use Apple Pay. You can also transfer your Apple Pay Cash balance to your bank account.

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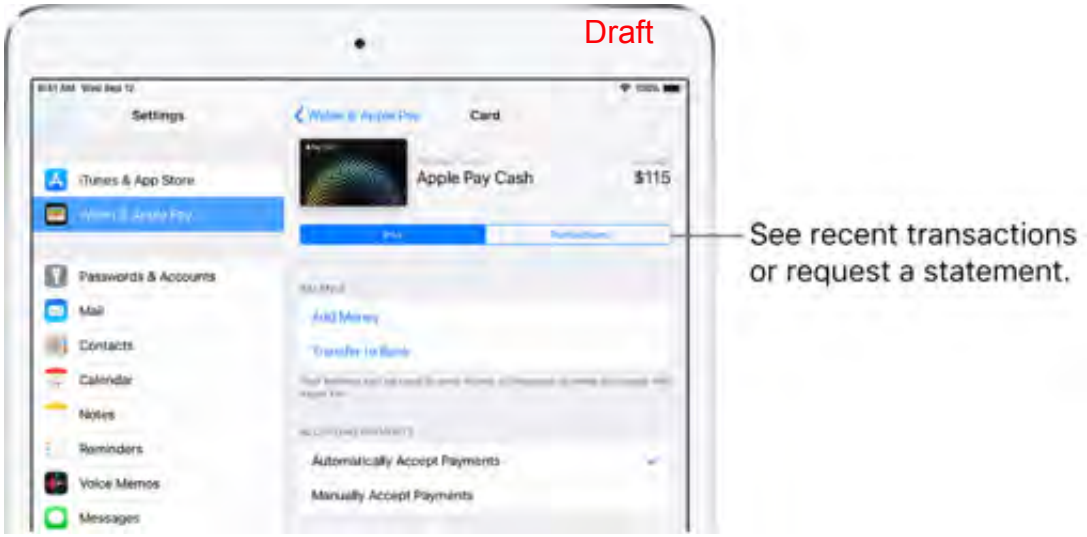

Set up Apple Pay Cash

Do any of the following:

- Go to Settings > Wallet & Apple Pay, then turn on Apple Pay Cash.
- In Messages, send or accept a payment. See Send and receive money with Apple Pay on iPad (U.S. only).

Use Apple Pay Cash

You can use Apple Pay cash wherever you would use Apple Pay. See the following topics:

- Send and receive money with Apple Pay on iPad (U.S. only)
- Pay in apps or on the web using Apple Pay on iPad

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Manage your Apple Pay Cash

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1. Go to Settings > Wallet & Apple Pay, then tap the Apple Pay Cash card.
2. Do any of the following:
    - Add money from a debit card.
    - Transfer money from your Apple Pay Cash balance to your bank account.
    - Tap Transactions to view your history and details (including comments sent with payments), manually accept or reject individual payments, and request a statement.
    - Choose to manually or automatically accept all payments. You have 7 days to manually accept a payment before it's returned to the sender.
    - Verify your identity for account servicing and to increase your transaction limits.
    - Contact Apple Support.

Apple Pay Cash and sending and receiving payments through Apple Pay are services provided by Green Dot Bank, member FDIC.

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Sharing

Share documents from apps on iPad

On iPad, you can share a document from any app that supports sharing, although the sharing methods can vary by app.

Share a document from an app

In many apps, you can share a document as described below. (The Files app is an exception.)

1. Open the document, then tap Share or .

   If you don't see Share or , tap ••• or another button in the app for accessing sharing options.

2. Choose an option for sharing—Message, Mail, and so on.

   Options vary by app and may include choices from apps you've downloaded. For example, if you download Pinterest, Pinterest becomes another option for sharing. See Install and manage app extensions on iPad.

Share documents from the Files app

You can share a copy of any document in Files with other people.

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1. Tap the Files app on the Home screen, then tap Browse at the bottom of the screen.
2. To locate the document you want to share, do one of the following:
   - *Browse for the document:* Tap items below Locations, Favorites, or Tags and open folders to locate the document. (If you don't see Locations, tap Browse again.)
   - *Search for the document:* Type part or all of the document name in the search field near the top of the screen.
3. Touch and hold the document, then tap Share.
4. Choose an option for sending the document (for example, Message, Mail, and so on).

See also Share files from iCloud Drive on iPad.

Organize your sharing options

You can rearrange your sharing options to make it easier to access the ones you use most often.

1. While sharing a document, tap •••.
2. Touch and drag ☰ to move items to new positions.

Share files from iCloud Drive on iPad

With iCloud Drive, you can store files in iCloud and access them from all your devices. Any changes you make appear on all your devices set up with iCloud Drive.

From iCloud Drive in the Files app, you can share a file with others by sending them a link to the file. They can access your shared file by tapping the link—you don't need to send the file.

Important: If the name or content of the shared file is confidential, be sure to ask recipients not to forward the link to anyone else.

To use iCloud Drive, you must be signed in to iCloud using your Apple ID, and have iCloud Drive turned on.

See Use iCloud Drive on iPad.

Turn on iCloud Drive

Go to Settings > [*your name*] > iCloud, then turn on iCloud Drive.

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Invite others to view or edit a file

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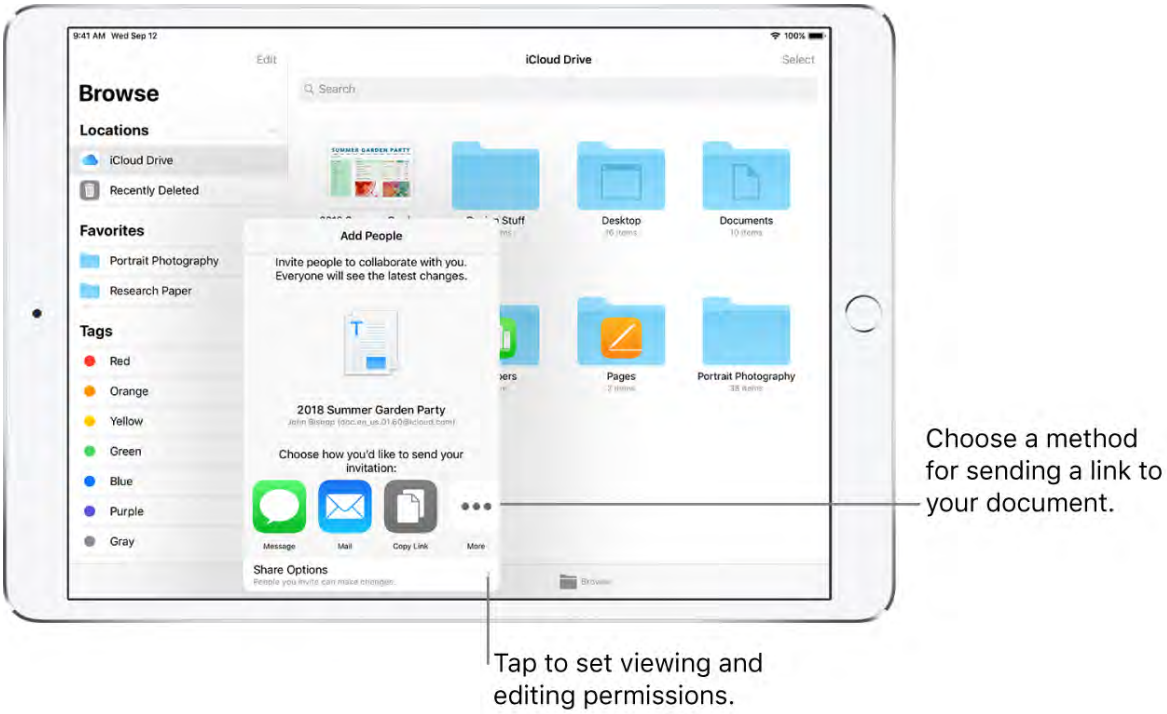
If you're the owner of a file in iCloud Drive, you can invite others to view or edit it.

1. Tap Files, then tap Browse.
2. Tap Locations. (If you don't see Locations, tap Browse again.)
3. Under Locations, tap iCloud Drive. (If you don't see iCloud Drive, tap Locations.)
4. Locate the file you want to share.

   You can tap folders to open them, if necessary.
5. Touch and hold the file, tap Share, then tap .
6. If you want to limit viewing or editing options, tap Share Options, select access and permission settings, then tap Add People at the top left.

   You can give access to only people you invite or anyone who has the link, and allow people to make changes to the file or just view it.
7. Choose a method for sending a link to the file (Message or Mail, for example), enter any other requested information, then send or post the invitation. (People need an Apple ID to open the file.)



When you allow people to edit a file, it's updated with everyone's changes automatically. Depending on the app, you might need to reopen the file or tap the original link to see the latest changes.

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Note: If you move shared files to other folders or locations, links to them no longer work and people lose access to the files.

See Invite others to open files in iCloud Drive on iPad.

Stop sharing a file

If you're the owner of a file shared in iCloud Drive, you can stop sharing it.

1. Touch and hold the file.
2. Tap Share then tap then tap .
3. Tap Stop Sharing.

Anyone who has the file open when you stop sharing sees an alert. The file closes when the alert is dismissed, the file is removed from the participant's iCloud Drive, and the link to the file no longer works. If you later share the file again and set the access to "Anyone with the link," the original link will work. If the access is set to "Only people you invite," the original link works again only for people you reinvite to share the file.

Share files using AirDrop on iPad

With AirDrop you can wirelessly share your photos, videos, websites, locations, and more with other nearby devices (iOS 7 or later). With iOS 8 or later, you can share with Mac computers with OS X 10.10 or later. AirDrop transfers information using Wi-Fi and Bluetooth—both must be turned on. To use AirDrop, you need to be signed in to iCloud using your Apple ID. Transfers are encrypted for security.

Note: You can also use AirDrop to securely share app and website passwords with another iOS device or a Mac. See Share website and app passwords on iPad.

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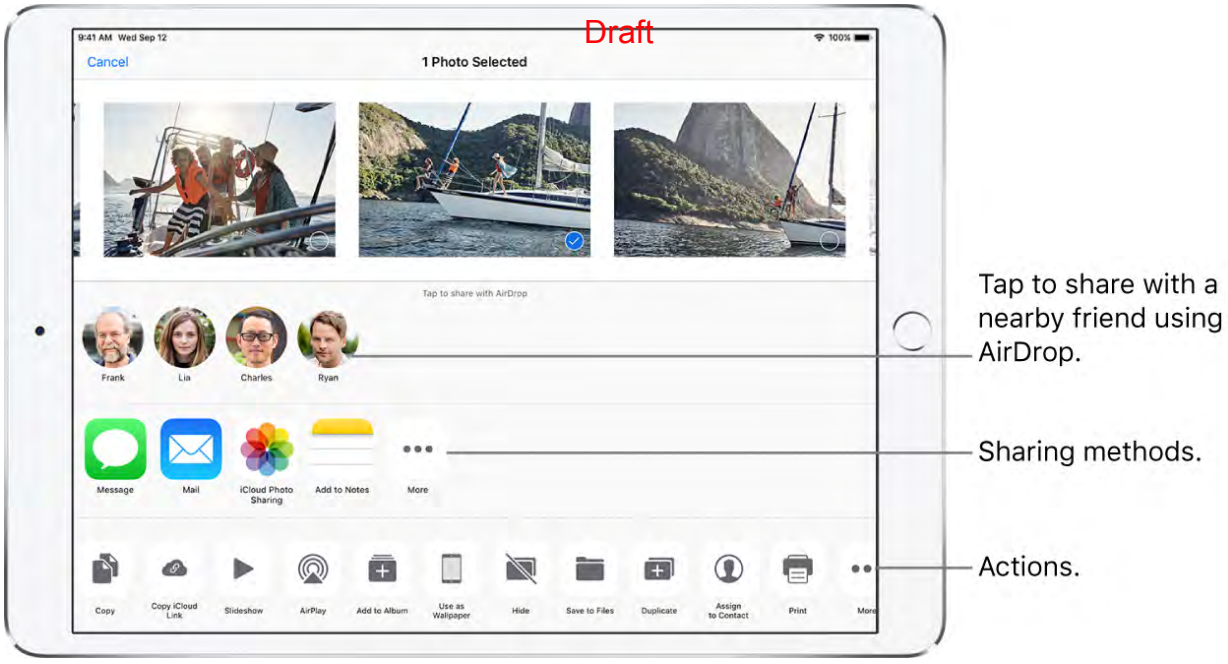

See the Apple Support article Use AirDrop on your iPhone, iPad, or iPod touch.

Share an item using AirDrop

Tap Share, then tap the name of a nearby AirDrop user.

Receive AirDrop items from others

1. Open Control Center, then tap (if you don't see , tap and hold the top-left group of controls). Then choose to receive items from Contacts only or from Everyone. You can accept or decline each request as it arrives.

2. Tap Contacts Only or Everyone to choose who you want to receive items from.

   You can accept or decline each request as it arrives.

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Use Family Sharing

Set up Family Sharing on iPad

With Family Sharing, up to six family members can share iTunes Store, App Store, and Apple Books purchases; an Apple Music family membership; an iCloud storage plan; Screen Time information; a family calendar; family photos; and more, all without sharing accounts.

To use Family Sharing, one adult family member (the *organizer*) chooses features for the family to share and invites up to five additional family members to participate. When family members join, Family Sharing is set up on their devices automatically.

Family Sharing requires you to sign in to iCloud with your Apple ID, and to confirm the Apple ID you use for the iTunes Store, the App Store, and Apple Books (you usually use the same Apple ID for everything). Family Sharing is available on iOS devices with iOS 8 or later, Mac computers with OS X 10.10 or later, and PCs with iCloud for Windows 5 or later. You can be part of only one family group at a time.

Note: You can also set up Screen Time for individual family members on their own devices. See Set up Screen Time for a family member.

Get started with Family Sharing

1. Go to Settings > [*your name*] > Set Up Family Sharing, then follow the onscreen instructions.
2. Tap features you want to share:
   - iTunes & App Store Purchases
   - Apple Music
   - iCloud Storage
   - Location Sharing
   - Screen Time
3. Follow the onscreen instructions to sign up.

   Depending on the features you choose, you may be asked to set up an Apple Music family membership or an iCloud Storage subscription. If you choose to share iTunes Store, App Store, and Apple Books purchases with your family members, you agree to pay for any purchases they initiate while part of the family group.

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Create an Apple ID for a child

1. Go to Settings > [*your name*] > Family Sharing > Add Family Member.
2. Tap Create a Child Account, then follow the onscreen instructions.

   This adds the child's account to your family until the child is at least 13 years old. See the Apple Support article Family Sharing and Apple ID for your child.

Accept an invitation to Family Sharing

Tap Accept in the invitation.

Or, if you are near the organizer during the setup process, you can enter your Apple ID and password on the Family Member's Apple ID screen on the organizer's device.

Leave Family Sharing

Any family member can leave the Family Sharing group, but only the organizer can stop family sharing.

1. Go to Settings > [*your name*] > Family Sharing > [*your name*].
2. Tap Leave Family Sharing.

   If you're the organizer, tap Stop Family Sharing.

See the Apple Support article Leave Family Sharing.

Share purchases with family members on iPad

With Family Sharing, up to six family members can share iTunes Store, App Store, and Apple Books purchases, an Apple Music family membership, and an iCloud storage plan. (See the Apple Support article Family Sharing.)

When your family shares iTunes Store, App Store, and Apple Books purchases, all items are billed directly to the family organizer's Apple ID. Once purchased, an item is added to the initiating family member's account and is shared with the rest of the family.

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Access shared purchases from the iTunes Store

1. Open the iTunes Store, then tap Purchased.
2. Tap My Purchases at the top left.
3. Choose a family member.
4. Tap a category (for example, Music or Movies) at the top of the screen, tap a purchased item, then tap to download it.

Access shared purchases from the App Store

1. Open the App Store.
2. Tap, or your profile picture, at the top right.
3. Tap Purchased, choose a family member, then tap next to a purchased item to download it.

Access shared purchases from Apple Books

1. Open the Books app.
2. Tap, or your profile picture, at the top right.
3. Tap an item under My Purchases or choose a family member, then tap a category (for example, Books or Audiobooks).
4. Tap All Books, Recent Books, or a Genre, then tap next to a purchased item to download it.

Turn on Ask to Buy

When your family is set up for purchase sharing, the family organizer can require young family members to request approval for purchases or free downloads.

1. Go to Settings > [*your name*] > Family Sharing.
2. Tap the name of the person you want to request approval, then turn on Ask To Buy.

   Note: Age restrictions for Ask to Buy vary by region. In the United States, the family organizer can turn on Ask to Buy for any family member under age 18; for children under age 13, it's turned on by default.

Use a shared Apple Music family membership

If your family has an Apple Music family membership, you can simply open Apple Music and start listening. If you don't have an Apple Music family membership, you can sign up for one.

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1. Go to Settings > [*your name*] > Family Sharing.

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2. To sign up for Apple Music, tap Apple Music, then follow the onscreen instructions.

Each family member gets their own music library and personal recommendations. To listen to music, make sure you're signed in with the Apple ID you entered in Family Sharing settings.

Use a shared iCloud storage plan

With Family Sharing, your family can share an iCloud storage plan of 200 GB or 2 TB.

1. Go to Settings > [*your name*] > Family Sharing .
2. To sign up for shared iCloud storage, tap iCloud Storage, then follow the onscreen instructions.

You can also purchase or use your own storage plan if you need more space. To upgrade your iCloud storage, see the Apple Support article Buy More iCloud storage.

Hide your iTunes Store, App Store, and Apple Books purchases

You can hide all your purchases from family members.

1. Go to Settings > [*your name*] > Family Sharing
2. Tap Purchase Sharing, then turn off Share My Purchases.

Share photos, a calendar, and more with family members on iPad

With Family Sharing on iPad, you can share a family photo album, a family calendar, Screen Time, and access to family devices through Find My iPhone.

Share photos or videos with family members

When you set up Family Sharing, a shared album called *Family* is automatically created in the Photos app on all family members' devices, which makes it easy to share family photos or videos.

1. Open the Photos app , then select a photo or video, or select multiple photos or videos.
2. Tap , then tap Shared Albums.
3. Add any comments you want, then tap Shared Album.
4. Choose an album to add the photo or video to.

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Members can unsubscribe from the family album, and the family organizer can delete it. See Share photos from iPad with Shared Albums in iCloud.

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Add an event to the family calendar

When you set up Family Sharing, a shared calendar called *Family* is automatically created in the Calendar app on all family members' devices. You can schedule an event on this calendar to share it with family members.

1. Open the Calendar app, then add an event.
2. While entering the event details, tap Calendar, then tap Family to add the event to the family calendar.

Members can unsubscribe from the family calendar, and the family organizer can delete it. See Share iCloud calendars on iPad.

Set up a family reminder

When you set up Family Sharing, a shared list is automatically created in the Reminders app on all family members' devices. You can add a reminder to the family list to share it with the family.

1. Open the Reminders app.
2. Tap the Family list, then tap + to add a reminder to the list.

Members can unsubscribe from the family reminder list, and the family organizer can delete it, by tapping the list in the Reminders app, tapping Edit, then tapping Delete List.

Share your location with family members

1. Go to Settings > [*your name*] > iCloud > Share My Location.
2. Turn on Share My Location.

To find a family member's location, use the Find My Friends app. You can also send or share your location while using the Messages app (iOS 8 or later) by tapping the profile picture or name at the top of the conversation, then tapping ⓘ.

Set up Screen Time for family members

You can set up Screen Time for family members through Family Sharing. Screen Time lets family members see how they're using their devices and use that information to set allowances and limits for app use.

You can invite family members to join and enter their Apple IDs in Family Sharing on your device to begin the process. Or you can set up Screen Time for them in Family Sharing on your device. (For information on creating a child account for Family Sharing, see the

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Apple Support article Family Sharing and Apple ID for your child.)

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1. Go to Settings > [*your name*] > Family Sharing > Screen Time.
2. Tap a family member, then tap Turn on Screen Time.
3. Tap Continue, then follow the onscreen instructions to set up Screen Time for your family member.

   Important: If you set up Screen Time for a family member through Family Sharing and you forget the family Screen Time passcode, you can reset it on your device using your device passcode, Touch ID, or Face ID.

See Set up Screen Time for a family member.

Locate family members' missing devices

If family members enable Share My Location in iCloud, you can help them locate missing devices. Open Find iPhone on your device or at iCloud.com. See Find My iPhone.

To enable Share My Location, go to Settings > [*your name*], then turn on Share My Location.

To locate a family device, open Find My iPhone on your device or at iCloud.com.

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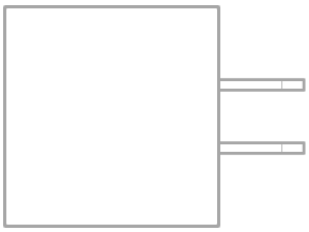
Use iPad with other devices

Accessories included with iPad

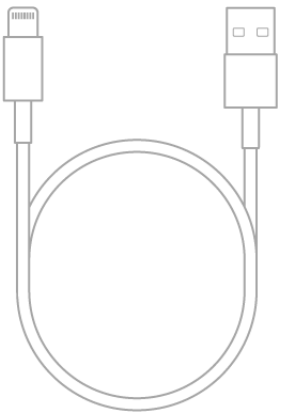
The following accessories are included with iPad:

USB power adapter. Use the adapter with the Lightning to USB Cable to charge the iPad battery. The size of the adapter depends on your iPad model and region.

USB-C Power Adapter (iPad Pro (11-inch) and iPad Pro (12.9-inch) (3rd generation) only). Use the adapter with the USB-C Cable to charge the iPad battery.



Lightning to USB Cable. Use the cable to connect iPad to the USB power adapter or to your computer.



USB-C Charge Cable (iPad Pro (11-inch) and iPad Pro (12.9-inch) (3rd generation) only). Use the cable to connect iPad to the USB-C power adapter or to your computer.

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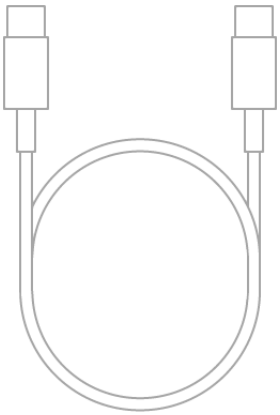

SIM eject tool (cellular models only). Insert the SIM eject tool into the small hole of the SIM card tray, then push in toward iPad to eject the tray.

Connect Bluetooth devices to iPad

You can use Bluetooth devices such as wireless headphones, speakers, and more with iPad.

WARNING: For important information about avoiding hearing loss and avoiding distractions that could lead to dangerous situations, see Important safety information for iPad.

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

Turn Bluetooth on or off

On iPad, go to Settings, then tap Bluetooth.

To quickly disconnect from Bluetooth devices without turning Bluetooth off, open Control Center, then tap .

Pair a Bluetooth device

1. Follow the instructions that came with the device to put it in discovery mode.
2. On iPad, go to Settings, then tap Bluetooth.
3. Tap the device in the Devices list to connect.

iPad must be within about 33 feet (10 meters) of the Bluetooth device.

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If you have AirPods and you set them up with one iOS device or Mac computer, they are automatically set up with your other devices where you're signed in using the same Apple ID (iOS 10, macOS Sierra, watchOS 3, or later required). For more information about setting up AirPods, go to the AirPods Support website.

Unpair a device

1. Go to Settings, then tap Bluetooth.
2. Tap ⓘ next to the device, then tap Forget This Device.

If you don't see the Devices list, make sure Bluetooth is on.

If you have AirPods and you tap Forget This Device, they are automatically removed from other devices that are set up through your iCloud account.

Stream audio and video to other devices from iPad

Stream content from iPad to AirPlay-enabled or Bluetooth devices, or mirror your iPad screen. (Apple TV, AirPlay-enabled devices, and Bluetooth devices are available separately.)

Stream audio to Apple TV, AirPlay-enabled devices, or a connected Bluetooth device

1. On your iPad, open an audio app such as Music.
2. Tap, then choose a playback destination, such as one or more HomePod speakers, Apple TV, an AirPlay 2-enabled smart TV, or wireless headphones.

   While audio is playing, you can change the playback destination from the Lock screen or Control Center.

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Note: If your AirPlay-enabled devices don't appear as a playback destination, make sure everything is on the same Wi-Fi network.

With a Bluetooth device, the playback destination returns to iPad if the device moves out of range.

Stream photos and video to an Apple TV or smart TV using AirPlay

- *Stream photos:* In Photos, tap, tap AirPlay, then choose your Apple TV or a smart TV as the playback destination.
- *Stream video:* In TV or Videos, tap, then choose your Apple TV or a smart TV as the playback destination.

  If an AirPlay passcode appears on the TV screen, enter the passcode on your iPad.

Mirror your iPad screen on an Apple TV or smart TV

1. Open Control Center.
2. Tap, then choose your Apple TV or AirPlay 2-enabled smart TV as the playback destination.

   If an AirPlay passcode appears on the TV screen, enter the passcode on your iPad.

To switch back to iPad, tap or, then choose your iPad.

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Note: For a list of AirPlay 2-enabled smart TVs, see the Home accessories website.

Connect iPad to a TV, projector, or monitor

With the appropriate cable or adapter, you can connect your iPad to a display, like a TV, projector, or computer display.

Connect iPad Pro (11-inch) or iPad Pro (12.9-inch) (3rd generation)

1. Plug a USB-C Display AV Adapter or USB-C VGA Multi-port Adapter into the charging port on the bottom of iPad.
2. Connect an HDMI or VGA cable to your adapter.
3. Connect the other end of your HDMI or VGA cable to your secondary display.
4. If necessary, switch to the correct video source on your secondary display. If you need help, use your display's manual.

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Connect iPad with Lightning port

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1. Plug a Lightning Digital AV Adapter or Lightning to VGA Adapter into the charging port on the bottom of iPad.
2. Connect an HDMI or VGA cable to your adapter.
3. Connect the other end of your HDMI or VGA cable to your secondary display (TV, monitor, or projector).
4. If necessary, switch to the correct video source on your secondary display. If you need help, use your display's manual.

For more information, see the Apple Support article About Apple Digital AV Adapters for iPhone, iPad, and iPod touch.

Control audio on devices with iPad

With AirPlay 2 and iPad, you can play audio on multiple AirPlay 2-enabled devices connected to the same Wi-Fi network. For example, you can play a party playlist on HomePod speakers in the living room and kitchen and on an Apple TV in the bedroom.

Ask Siri. Say something like:

- "Play the Rolling Stones everywhere"
- "Stop playing music everywhere"
- "Set the dining room volume to 10 percent"
- "What's playing in the kitchen?"
- "Play a song I like in the kitchen"
- "Add the living room speaker"
- "Remove the music from the kitchen"
- "Move the music to the den"

Play audio on multiple AirPlay 2-enabled devices from an app

1. In an audio app such as Music or Podcasts, tap Now Playing at the bottom of the screen.
2. Tap , then select each device you want to use.

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Play audio on multiple AirPlay 2-enabled devices from Control Center or the Lock screen

1. From Control Center or the Lock screen, press Now Playing.
2. Tap , then select each device you want to use.

Note: Devices arranged in a stereo pair are treated as a single audio device.

Use Apple Pencil with iPad

On supported models, you can use Apple Pencil (available separately) to:

- Draw a sketch in Notes on iPad
- Mark up a photo
- Sign a document
- Markup a PDF file, photo, email, and more

On iPad Pro (11-inch) and iPad Pro (12.9-inch) (3rd generation), magnetically attach Apple Pencil (2nd generation) to pair, charge, and store.

For more information, see the Apple Support article Use Apple Pencil.

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Use Smart Keyboard and Smart Keyboard Folio with iPad

Use Smart Keyboard or Smart Keyboard Folio to hold your iPad Pro in just the right position—for typing, watching movies, drawing, and more. Attach the keyboard to the Smart Connector on the side (models with a Home Button) or bottom (models with Face ID).

Quickly switch between apps

Press and hold the Command key, then press Tab until you reach the app you want to open.

View keyboard shortcuts

Press and hold the Command key to see shortcuts for an app.

Open Search

Press Command-Space.

Switch keyboard layouts

Use Smart Keyboard or Smart Keyboard Folio to switch between keyboard layouts—English, Emoji, and any keyboards you've added for typing in different languages, for example.

Press and hold Shift-Control, then press the Space bar until you reach the language you want to use.

Use an Apple Magic Keyboard with iPad

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

Note: The Apple Magic Keyboard may not support keyboard features that are on your device. For example, you can't enable dictation with Apple Magic Keyboard.

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Pair an Apple Magic Keyboard with iPad Draft

1. Turn on the keyboard.
2. On iPad, go to Settings > Bluetooth, then turn on Bluetooth.
3. Tap the keyboard when it appears in the Other Devices list, then follow the onscreen instructions.

Once it's paired, the keyboard reconnects to iPad whenever it's in range—up to about 33 feet (10 meters). When it's connected, the onscreen keyboard doesn't appear.

Quickly switch between apps

Press and hold the Command key, then press Tab until you reach the app you want to open.

View keyboard shortcuts

Press and hold the Command key to see shortcuts for an app.

Quickly switch between apps

Press and hold the Command key, then press Tab until you reach the app you want to open.

Open Search

Press Command-Space.

Tip: If you've added a Chinese, Korean, Japanese, or Hebrew keyboard, you can use the Caps Lock key to quickly switch back and forth between Latin script and the other keyboard you're using.

Switch keyboard layouts

Using a wireless keyboard, you can switch between keyboard layouts—English, Emoji, and any keyboards you've added for typing in different languages, for example.

1. Press and hold Shift-Control.
2. Press the Space bar until you reach the language you want to use.

Make the onscreen keyboard appear

Press ⏏ on the wireless keyboard.

You can also move the wireless keyboard out of range or turn it off.

Turn off the Apple Magic Keyboard Draft

To turn off the keyboard when you're not using it, turn the switch on the back of the keyboard to Off.

Print from iPad

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

iPad and the printer must be on the same Wi-Fi network. See the Apple Support article About AirPrint.

Print a document

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

See the status of a print job

Open the App Switcher, then tap Print Center.

The badge on the icon shows how many documents are in the queue.

Cancel a job

Select it in Print Center, then tap Cancel Printing.

Use Handoff with iPad

Continue working on one device where you left off on another. You can use Handoff with many Apple apps—for example, Mail, Safari, Pages, Numbers, Keynote, Maps, Messages, Reminders, Calendar, and Contacts—and even some third-party apps. To use Handoff, you must be signed in to iCloud using the same Apple ID on all your devices. Your devices must have Bluetooth on and be within Bluetooth range of one another (about 33 feet or 10 meters).

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Switch devices

- *From Mac to iPad:* The Handoff icon of the app you're using on your Mac appears on iPad on the right side of the Dock. Tap the Handoff icon to continue working in the app on iPad.
- *From iPad to Mac:* The Handoff icon of the app you're using on iPad appears on your Mac at the left end of the Dock (or the top, depending on the Dock position). Click the icon to continue working in the app.

Disable Handoff on your devices

- *iOS devices:* Go to Settings, then tap General > Handoff.
- *Mac:* Choose Apple Menu > System Preferences > General, then turn off "Allow Handoff between this Mac and your iCloud devices."

Use Universal Clipboard on iPad

Cut or copy content (a block of text or an image, for example) on your iPad, then paste it on another iOS device or Mac computer, and vice versa.

For Universal Clipboard to work, you must be signed in to iCloud using the same Apple ID on all your devices. Your devices must be connected to Wi-Fi, be within Bluetooth range of one another (about 33 feet or 10 meters), have Bluetooth on, and have Handoff enabled. Universal Clipboard requires iOS 10 and macOS Sierra.

You must cut, copy, and paste your content within a short period of time.

Copy, cut, or paste

1. To cut or copy text, touch and hold a word or image to display the selection options, then choose Copy or Cut.
2. To paste the text, double-tap to place an insertion point and display the selection options, then choose Paste.

For more information about selecting text or placing the insertion point, see Type and edit text on iPad.

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Make and receive Wi-Fi calls on iPad

With Continuity, you can make and receive calls on your iPad and other Apple devices by relaying calls through your iPhone.

To make calls this way, you need iOS 9 or later and OS X 10.10 or later. You must be signed in to iCloud and FaceTime on all your devices using the same Apple ID as on iPhone.

Note: Wi-Fi calling on other devices is available with some carriers, and cellular charges may apply.

You must first set up your iPhone, then your iPad. If you log out of iCloud or FaceTime on iPhone, Wi-Fi calling is disabled.

Set up Wi-Fi calls on your iPhone

1. On your iPhone, go to Settings > Cellular.
2. If your iPhone has Dual SIM, choose a line (below Cellular Plans).
3. Tap Wi-Fi Calling, then turn on Wi-Fi Calling on This iPhone.
4. Enter or confirm your address for emergency services.

   Note: Emergency calls on your iPhone are routed through cellular service when available. In the event that cellular service isn't available, and you have enabled Wi-Fi Calling, emergency calls may be made over Wi-Fi, and your device's location information may be used for emergency calls to aid response efforts, regardless of whether you enable Location Services. Some carriers may use the address you registered with the carrier when signing up for Wi-Fi Calling as your location. When connected to Wi-Fi calling, your iPhone may not receive emergency alerts.

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Allow Wi-Fi calls on your other devices Draft

1. On your iPhone, go to Settings > Cellular.
2. If your iPhone has Dual SIM, choose a line (below Cellular Plans).
3. Do any of the following:
   - Tap Calls on Other Devices, turn on Allow Calls on Other Devices, then choose the devices where you'd like to make and receive calls.

     This allows other devices signed into your iCloud account to make and receive calls when they're nearby your iPhone and on Wi-Fi.
   - Tap Wi-Fi Calling, then turn on Add Wi-Fi Calling For Other Devices.

     This allows other devices signed into your iCloud account to make and receive calls even when your iPhone isn't nearby.

Turn on Wi-Fi Calling on your iPad

1. On your iPad, sign in to iCloud and FaceTime with the same Apple ID that you use on your iPhone.
2. Go to Settings > FaceTime, then turn on FaceTime and Calls from iPhone. If you're asked, turn on Wi-Fi calling.

Note: If you enable Wi-Fi Calling, emergency calls may be made over Wi-Fi, and your device's location information may be used for emergency calls to aid response efforts, regardless of whether you enable Location Services. Some carriers may use the address you registered with the carrier when signing up for Wi-Fi Calling as your location.

Make or receive a Wi-Fi call on your iPad

- *Make a call:* Tap or click a phone number in Contacts, Calendar, FaceTime, Messages, Spotlight, or Safari. Or open FaceTime, enter a contact or phone number, then tap .
- *Receive a call:* Swipe or click the notification to answer, ignore, or respond with a quick message.

For more information about Wi-Fi calls, see the Apple Support article Make a call with Wi-Fi Calling.

Use Instant Hotspot

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You can use Instant Hotspot on your iPhone (with iOS 8 or later) or iPad (Wi-Fi + Cellular models with iOS 8 or later) to provide Internet access to your other devices (iOS 8 or later) and Mac computers (OS X 10.10 or later) where you're signed in to iCloud with the same Apple ID. Instant Hotspot uses your iPhone or iPad Personal Hotspot, without you having to enter a password or even turn on Personal Hotspot.

Use Instant Hotspot

1. Go to Settings, then tap Wi-Fi on your iOS (models without cellular capabilities).
2. Below Personal Hotspots, choose your iPhone or iPad network.

On your Mac, choose your iPhone or iPad network from your Wi-Fi settings.

When you're not using the hotspot, your devices disconnect to save battery life. For more information about ways to set up a Personal Hotspot see Share your iPad Internet connection.

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

Share your iPad Internet connection

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

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

Share an Internet connection

Go to Settings, tap Cellular Data, then tap Personal Hotspot—if it appears—to set up the service with your carrier.

After you turn on Personal Hotspot, you can connect other devices in the following ways:

- *Wi-Fi:* On the device, choose your iPad from the list of available Wi-Fi networks.

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- *USB:* Connect iPad to your computer. (See Connect iPad to your computer using USB.) In your computer's Network preferences, choose iPad, then configure the network settings.
- *Bluetooth:* On iPad, go to Settings, tap Bluetooth, then turn on Bluetooth.

  To pair and connect iPad with your Bluetooth device, refer to the documentation that came with your device.

Note: When a device is connected, a blue band appears at the top of the iPad screen. The Personal Hotspot icon appears in the status bar of iOS devices using Personal Hotspot.

Change the Wi-Fi password for iPad

1. Go to Settings, then tap Personal Hotspot > Wi-Fi Password.
2. Enter a password of at least eight characters.

Change the name of your Personal Hotspot

You can change the name of your Personal Hotspot by changing the name of your iPad.

Go to Settings, then tap General > About > Name.

Monitor your cellular data network usage

Go to Settings, then tap Cellular. See View or change cellular settings on iPad.

Transfer files to iPad with iTunes

You can transfer files between iPad and your computer or other iOS devices with Files, AirDrop, email attachments, or by connecting iPad to your computer and using iTunes.

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1. Connect iPad to your computer.
2. In iTunes on your computer, select iPad, then click File Sharing.
3. Use the File Sharing section to transfer documents between iPad and your computer.

Apps that support file sharing appear in the File Sharing Apps list in iTunes. To delete a file, select it in the Documents list on your computer, then press the Delete key. For more information, see the Apple Support article About File Sharing on iPhone, iPad, and

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Privacy and security

Privacy

Set which apps know your location on iPad

With Location Services, you can choose which location-based apps—for example, Reminders, Maps, and Camera—can gather and use data indicating your location. Your approximate location is determined using available information from local Wi-Fi networks (if you have Wi-Fi turned on). The location data collected by Apple isn't collected in a form that personally identifies you. When an app is using Location Services, appears in the status bar.

Turn on Location Services

If you didn't turn on Location Services when you first set up iPad, go to Settings > Privacy > Location Services, then turn on Location Services.

Turn off Location Services

Go to Settings > Privacy > Location Services, then choose from the options to turn off Location Services for some apps and services, or for all of them.

If you turn off Location Services, you're asked to turn it on again the next time an app or service tries to use it.

Review the terms and privacy policy for each third-party app to understand how it uses the data it's requesting. See the Apple Support article About privacy and Location Services.

Change Location Services settings for system services

Several system services, such as location-based suggestions and location-based ads, use Location Services.

To see the status for each service, to turn Location Services on or off for each service, or to show in the status bar when enabled system services use your location, go to Settings > Privacy > Location Services > System Services.

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Delete significant locations

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The Maps app keeps track of the places you've recently visited, as well as when and how often you visited them. Maps uses this information to provide you with personalized services like predictive traffic routing. You can delete this information.

1. Go to Settings > Privacy > Location Services > System Services > Significant Locations.
2. Do one of the following:
   - *Delete a single location:* Tap the location, tap Edit, then tap ⛔.
   - *Delete all locations:* Tap Clear History. If you're signed in to iCloud, this clears all your significant locations on any devices that are signed in with the same Apple ID.

Change app access to private data on iPad

Change which apps and features have access to private information in Contacts, Calendar, Reminders, Photos, Home, and more.

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1. Go to Settings > Privacy.
2. Tap a category of data, such as Contacts, Photos, Microphone, or Motion & Fitness.

   The list shows the apps and features that requested access to that data, along with the level of access that you allowed.
3. Tap an app or feature, then choose a different level of access or deny access.

Review the terms and privacy policy for each third-party app to understand how it uses the data it's requesting. See the Apple Support article About privacy and Location Services.

Limit ad targeting on iPad

Turn off location-based ads, reset or limit targeted advertising in App Store and News, and prevent cross-site tracking in Safari.

Turn off location-based ads and offers

Go to Settings > Privacy > Location Services > System Services, then turn off Location-Based Apple Ads.

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Reset or limit ad tracking

Go to Settings > Privacy > Advertising (at the bottom of the screen), then do any of the following:

- *Clear the data used to determine which ads might be relevant to you:* Tap Reset Advertising Identifier.
- *Opt out of targeted advertising:* Turn on Limit Ad Tracking.

  Note: When you turn on Limit Ad Tracking, you may still receive the same number of ads, but they may be less relevant to you.

View the information Apple uses to deliver targeted ads

Go to Settings > Privacy > Advertising > View Ad information.

The information is used by Apple to deliver more relevant ads in the App Store and News. Your personal data isn't provided to other parties.

Keep your Safari browsing activities to yourself

While browsing the web, you can prevent cross-site tracking, block cookies, erase your browsing history, and more. See Browse privately in Safari on iPad for Safari.

Learn more about privacy and Apple's advertising platform

Go to Settings > Privacy > Advertising > About Advertising & Privacy.

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Security

Set a passcode on iPad

For better security, set a passcode that must be entered to unlock iPad when you turn it on or wake it. Setting a passcode turns on data protection, which uses your passcode as a key to encrypt Mail messages and attachments stored on iPad with 256-bit AES encryption. (Other apps may also use data protection.)

Set or change the passcode

1. Go to Settings, then depending on your model, tap one of the following:
    - Face ID & Passcode
    - Touch ID & Passcode
    - Passcode
2. Tap Turn Passcode On or Change Passcode.

To view options for creating a password, tap Passcode Options. The most secure options are Custom Alphanumeric Code and Custom Numeric Code.

After you set a passcode, on supported models you can use Face ID or Touch ID to unlock iPad. For additional security, however, you must always enter your passcode to unlock your iPad under the following conditions:

- You turn on or restart your iPad.
- You haven't unlocked your iPad for more than 48 hours.
- You haven't unlocked your iPad with the passcode in the last 6.5 days, and you haven't unlocked it with Face ID or Touch ID in the last 4 hours.
- Your iPad receives a remote lock command.
- There are five unsuccessful attempts to unlock your iPad with Face ID or Touch ID.

Change when iPad automatically locks

Go to Settings > Display & Brightness > Auto-Lock, then set a length of time.

Erase data after 10 failed passcodes

Set iPad to erase all information, media, and personal settings after 10 consecutive failed passcode attempts.

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1. Go to Settings, then depending on your model, tap one of the following:
    - Face ID & Passcode
    - Touch ID & Passcode
    - Passcode
2. Turn on Erase Data.

After all data is erased, you must restore iPad from a backup or set it up again as new.

Turn off the passcode

1. Go to Settings, then depending on your model, tap one of the following:
    - Face ID & Passcode
    - Touch ID & Passcode
    - Passcode
2. Tap Turn Passcode Off.

Reset the passcode

If you enter the wrong passcode six times in a row, you'll be locked out, and you'll receive a message that says iPad is disabled. If you can't remember your passcode, you can erase your device with iTunes or with recovery mode, then set a new passcode. (If you made an iCloud or iTunes backup before you forgot your passcode, you can restore your data and settings from the backup.)

See the Apple Support article If you forgot the passcode for your iPhone, iPad, or iPod touch, or your device is disabled.

Set up Face ID on iPad

Use Face ID (supported models) to unlock iPad, authorize purchases and payments, and sign in to many third-party apps by simply glancing at your iPad.

To use Face ID, you must also set a passcode on your iPad.

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Set up Face ID or add an alternate appearance

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- If you didn't set up Face ID when you first set up your iPad, go to Settings > Face ID & Passcode > Set up Face ID, then follow the onscreen instructions.
- To set up an additional appearance for Face ID to recognize, go to Settings > Face ID & Passcode > Set Up an Alternate Appearance, then follow the onscreen instructions.

If you have physical limitations, you can tap Accessibility Options during Face ID set up. When you do this, setting up facial recognition doesn't require the full range of head motion. Using Face ID is still secure, but it requires more consistency in how you look at iPad.

Face ID also has an accessibility feature you can use if you're blind or have low vision. If you don't want Face ID to require that you look at iPad with your eyes open, go to Settings > General > Accessibility, then turn off Require Attention for Face ID. This is automatically turned off if you enable VoiceOver when you first set up iPad. See Change Face ID and attention settings on iPad.

Temporarily disable Face ID

You can temporarily prevent Face ID from unlocking your iPad.

1. Press and hold the top button and either volume button for 2 seconds.
2. After the sliders appear, press the top button to immediately lock iPad.

   iPad locks automatically if you don't touch the screen for a minute or so.

The next time you unlock iPad with your passcode, Face ID is enabled again.

Turn off Face ID

1. Go to Settings > Face ID & Passcode.
2. Do one of the following:
   - *Turn off Face ID for specific items only:* Turn off one or more options: iPad Unlock, Apple Pay, iTunes & App Store, or Safari AutoFill.
   - *Turn off Face ID:* Tap Reset Face ID.

If your device is lost or stolen, you can prevent Face ID from being used to unlock your device with Find My iPhone Lost Mode. (See Use Find My iPhone to locate your device.)

For more information about Face ID, see About Face ID advanced technology.

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Set up Touch ID on iPad

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Use Touch ID (supported models) to unlock iPad, authorize purchases and payments, and sign in to many third-party apps by pressing the Home button with your finger or thumb.

To use Touch ID, you must set a passcode on your iPad.

Turn on fingerprint recognition

1. If you didn't turn on fingerprint recognition when you first set up your iPad, go to Settings > Touch ID & Passcode.
2. Turn on any of the options, then follow the onscreen instructions.

If you turn on iTunes & App Store, you're asked for your Apple ID password when you make your first purchase from the iTunes Store, the App Store, or Apple Books. When you make your next purchases, you're asked to use Touch ID.

Add a fingerprint

You can add multiple fingerprints (both of your thumbs and forefingers, for example).

1. Go to Settings > Touch ID & Passcode.
2. Tap Add a Fingerprint.
3. Follow the onscreen instructions.

Name or delete a fingerprint

1. Go to Settings > Touch ID & Passcode.

   If you added more than one fingerprint, place a finger on the Home button to identify its print.
2. Tap the fingerprint, then enter a name (such as "Thumb") or tap Delete Fingerprint.

Unlock iPad by touching instead of pressing the Home button

Go to Settings > General > Accessibility > Home Button, then turn on Rest Finger to Open.

Turn off Touch ID

Go to Settings > Touch ID & Passcode, then turn off one or more of the options.

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Change access to items when iPad is locked

By default, some commonly used features (such as Today View and Control Center) are available when iPad is locked. (For security, USB connections aren't allowed when iPad is locked.) You can change whether any of these items can be accessed from the Lock screen.

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1. Go to Settings, then depending on your model, tap one of the following:
   - Face ID & Passcode
   - Touch ID & Passcode
   - Passcode
2. Select your options.

   You can turn access on or off to the following features while iPad is locked:
   - Today View (see View and organize Today View on iPad)
   - Recent notifications (see View and respond to notifications on iPad)
   - Control Center (see Use and customize Control Center on iPad)
   - Siri (see Ask Siri on iPad)
   - Home Control (see A look at Home on iPad)
   - Returning Missed Calls (see Make and answer FaceTime calls on iPad)
   - Connecting to a Mac, a PC, or an accessory with USB (such as when you connect iPad to your computer using USB)

Create website and app passwords on iPad

When you sign up for services on websites and in apps, you can let iPad create strong passwords for many of your accounts, or you can create your own passwords. iPad stores the passwords in iCloud Keychain and fills them in for you automatically, so you don't have to memorize them. If you use the same password in more than one account, iPad flags it for you to change.

Note: For iPad to create and store passwords, iCloud Keychain must be turned on. Go to Settings > [*your name*] > iCloud > Keychain.

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Create a password for a new account

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1. On the new account screen for the website or app, enter a new account name.

   For supported websites and apps, iPad suggests a unique, complex password.

2. Do one of the following:

   - *Choose the suggested password:* Tap Use Strong Password.
   - *Make up your own password:* Tap Choose My Own Password.

3. To later allow iPad to automatically fill in the password for you, tap Yes when you're asked if you want to save the password.

Automatically fill in a saved password

1. On the sign-in screen for the website or app, tap the account name field.
2. Do one of the following:

   - Tap the account suggested at the bottom of the screen or near the top of the keyboard.
   - Tap 🔑, tap Other Passwords, then tap an account.

   The password is filled in. To see the password, tap 👁.

To enter an account or password that isn't saved, tap ⌨ on the sign-in screen.

View your saved passwords

Ask Siri. Say something like: "Show me my passwords." Learn how to ask Siri.

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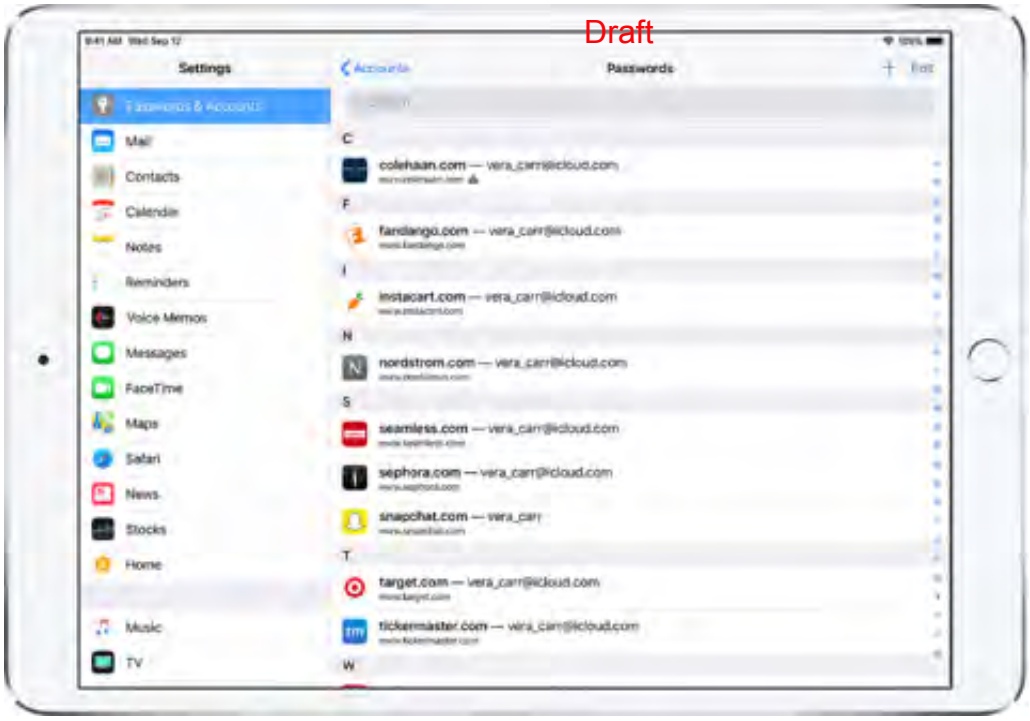

To view the password for an account, tap it.

You can also view your passwords without asking Siri. Do one of the following, then tap an account to view its password:

- Go to Settings > Passwords & Accounts > Website & App Passwords.
- On a sign-in screen, tap , then tap Other Passwords.

Replace a reused password

To help you replace reused passwords with unique ones, reused passwords are flagged with ⚠ in the passwords list.

1. Go to Settings > Passwords & Accounts > Website & App Passwords.
2. Tap any account flagged with a ⚠.
3. Tap Change Password, then change your password on the website or in the app that appears.

Prevent iPad from automatically filling in passwords

Go to Settings > Passwords & Accounts, then turn off AutoFill Passwords.

Share website and app passwords on iPad

Use AirDrop to securely share passwords with another iOS device or Mac.

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iCloud Keychain must be set up on your iPad.

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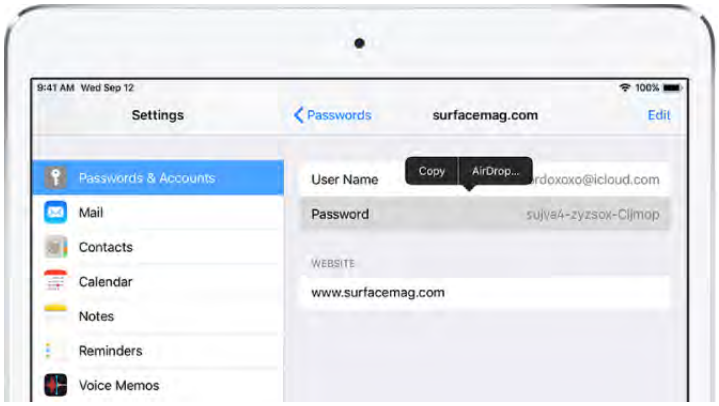
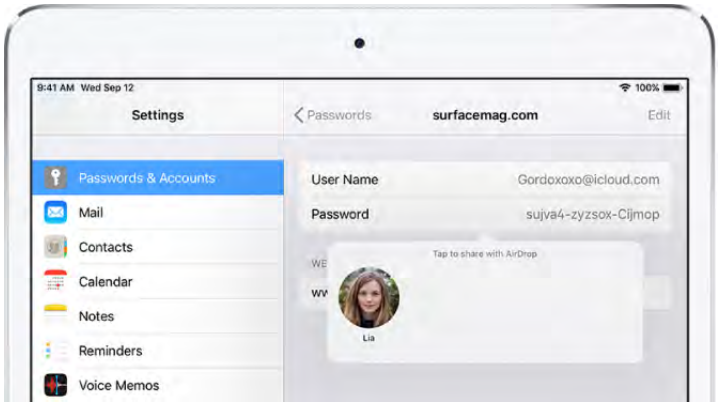
Send a password

The person you're sharing with must be in your Contacts. To share with someone on an iOS device, ask them to open Control Center and allow AirDrop to receive items. To share with someone on a Mac, ask them to allow themselves to be discovered in AirDrop in the Finder.

1. On your iPad, go to Settings > Passwords & Accounts > Website & App Passwords.
2. Tap the account you want to share.
3. Tap Password, then tap AirDrop.



4. Tap the contact you want to send the password to.



Receive a password

To receive a password, you must be in the sender's contacts.

1. If you haven't already done so, allow AirDrop to receive items.
2. When you receive a request to accept a password from someone else, tap Accept.

The password is saved on your iPad, where you can view it and let iPad automatically fill it in on the sign-in screen for the account.

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Make your Apple ID more secure from iPad

Two-factor authentication ensures that only you can access your Apple ID account, even if someone else knows your Apple ID password. Two-factor authentication is built into iOS 9 and later, and OS X 10.11 and later.

For information about how two-factor authentication works, see the Apple Support article Two-factor authentication for Apple ID.

Note: If you use two-step verification and upgrade to iOS 11 or later, your account might be migrated to use two-factor authentication. See the Apple Support article Switch from two-step verification to two-factor authentication.

Turn on two-factor authentication

1. Go to Settings > [*your name*] > Password & Security.
2. Tap Turn On Two-Factor Authentication, then tap Continue.
3. Enter a *trusted phone number* (a phone number where you want to receive verification codes for two-factor authentication).

   You can choose to receive the codes by text message or automated phone call.
4. Tap Next.
5. Enter the verification code sent to your trusted phone number.

   To send or resend a verification code, tap “Didn’t get a verification code?”

   You won’t be asked for a verification code again on your iPad unless you sign out completely, erase your iPad, sign in to your Apple ID account page in Safari, or need to change your Apple ID password for security reasons.

After you turn on two-factor authentication, you have a two-week period during which you can unenroll. After that period, you can’t turn off two-factor authentication. Certain features in the latest version of iOS require this extra level of security, which is designed to protect your information. To unenroll, open your enrollment confirmation email and click the link to return to your previous security settings. Keep in mind, unenrolling makes your account less secure and means you can’t use features that require a higher level of security.

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Add another iOS device (iOS 9 or later) or a Mac (OS X 10.11 or later) as a trusted device

1. After you turn on two-factor authentication on one device, use the same Apple ID to sign in to iCloud on another device.

   Even if you've already signed in, sign in again. (On an iOS device, go to Settings > [*your name*]. On a Mac, choose Apple menu () > System Preferences > iCloud.)

2. When you're asked to enter a six-digit verification code, do one of the following:

   - *Obtain the verification code on your iPad or another trusted device that's connected to the Internet:* Look for a notification on that device, then tap or click Allow to make the code appear on that device. (A trusted device is another iOS device or Mac on which you've already turned on two-factor authentication and which is signed into iCloud with your Apple ID.)
   - *Obtain the verification at a trusted phone number:* If a trusted device isn't available, tap "Didn't get a verification code?" then choose a phone number.
   - *Obtain the verification code on a trusted device that's offline:* On a trusted iOS device, go to Settings > [*your name*] > Password & Security, then tap Get Verification Code. On a trusted Mac, choose Apple menu () > System Preferences > iCloud > Account Details > Security, then click Get Verification Code.

3. Enter the verification code on the new device.

   You won't be asked for a verification code again unless you sign out completely, erase your device, sign in to your Apple ID account page in Safari, or need to change your Apple ID password for security reasons.

Add or remove a trusted phone number

When you enrolled in two-factor authentication, you had to verify one trusted phone number. You should also consider adding other phone numbers you can access, such as a home phone, or a number used by a family member or close friend.

1. Go to Settings > [*your name*] > Password & Security.
2. Tap Edit (above the list of trusted phone numbers), then do one of the following:

   - *Add a number:* Tap Add a Trusted Phone Number.
   - *Remove a number:* Tap ⛔ next to the phone number.

Trusted phone numbers don't automatically receive verification codes. If you can't access any trusted devices when setting up a new device for two-factor authentication, tap "Didn't get a verification code?" on the new device, then choose one of your trusted

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phone numbers to receive the verification codes.

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View or remove trusted devices

1. Go to Settings > [*your name*].

   A list of the devices associated with your Apple ID appears near the bottom of the screen.

2. To see if a listed device is trusted, tap it, then look for "This device is trusted and can receive Apple ID verification codes."

3. To remove a device, tap it, then tap Remove from Account.

Generate a password for an app that signs in to your Apple ID account

With two-factor authentication, you need an app-specific password to sign in to your Apple ID account from a third-party app or service—such as an email, contacts, or calendar app. After you generate the app-specific password, use it to sign in to your Apple ID account from the app and access the information you store in iCloud.

1. Sign in to your Apple ID account.

2. Tap Generate Password (below App-Specific Passwords).

3. Follow the onscreen instructions.

After you generate your app-specific password, enter or paste it into the password field of the app as you would normally.

For more information, see the Apple Support article Using app-specific passwords.

Set up iCloud Keychain on iPad

Use iCloud Keychain to keep your website and app passwords, credit card information, Wi-Fi network information, and other account information up to date across all of your approved devices (iOS 7 or later) and Mac computers (OS X 10.9 or later).
iCloud Keychain is secured with 256-bit AES encryption during storage and transmission, and its data cannot be read by Apple.

iCloud Keychain can also keep the accounts you use in Mail, Contacts, Calendar, and Messages up to date across all of your iOS devices and Mac computers.

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Set up iCloud Keychain

If you didn't turn on iCloud Keychain when you first set up your iPad, go to Settings > [*your name*] > iCloud > Keychain, turn on iCloud Keychain, then follow the onscreen instructions.

When you set up iCloud Keychain, you create an iCloud Security Code, which you can use to authorize additional devices that use your iCloud Keychain. It's also used for verification so that you can perform other iCloud Keychain actions, such as recovering your iCloud Keychain if you lose all your devices.

Set up iCloud Keychain on an additional device

When you turn on iCloud Keychain on an additional device, your other devices using iCloud Keychain receive a notification requesting your approval of the additional device.

On one of your other devices, approve the additional device. Your iCloud Keychain automatically begins updating on the additional device.

To approve iCloud Keychain when you don't have access to your other devices, follow the onscreen instructions to use your iCloud Security Code.

Reset or create an iCloud Security Code

If you enter the wrong iCloud Security Code too many times when using iCloud Keychain, your iCloud Keychain is disabled on that device, and your keychain in iCloud is deleted.

To reset or create a new iCloud Security Code, see the Apple Support article If you enter your iCloud Security Code incorrectly too many times.

To learn more about iCloud Keychain, see the Apple Support article Set up iCloud Keychain.

Use VPN on iPad

A VPN (virtual private network) provides secure access over the Internet to private networks, such as the network at your organization. You may need to install a VPN app from the App Store that configures iPad to access a network. Contact your system administrator for information about the app and settings you need.

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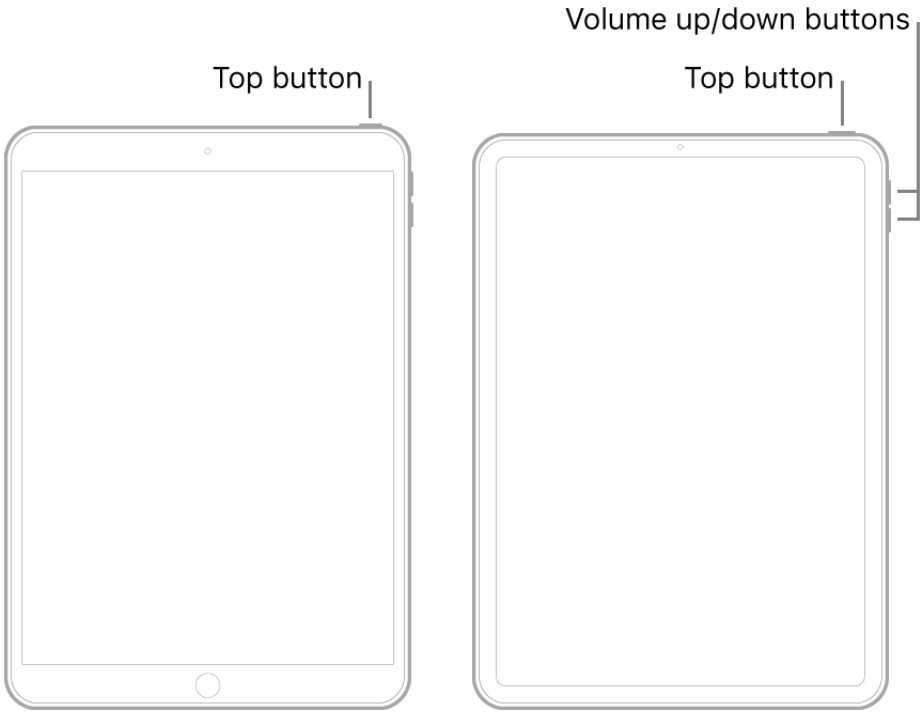
Restart, update, reset, and restore

Restart iPad

If your iPad isn't working right, try restarting it.

Turn iPad off and on

1. To turn off iPad, do one of the following:
   - *Models with the Home button:* Press and hold the top button until the slider appears, then drag the slider.
   - *Other models:* Simultaneously press and hold the top button and either volume button until the sliders appear, then drag the top slider.
   - *All models:* Go to Settings > General > Shut Down, then drag the slider.
2. To turn iPad back on, press and hold the top button until the Apple logo appears.



Force restart iPad

If iPad isn't responding, do one of the following:

- *Models with the Home button:* Press and hold the top button and the Home button at the same time. When the Apple logo appears, release both buttons.

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- *Other models:* Press and release the volume up button, press and release the volume down button, then press and hold the top button. When the Apple logo appears, release the button.

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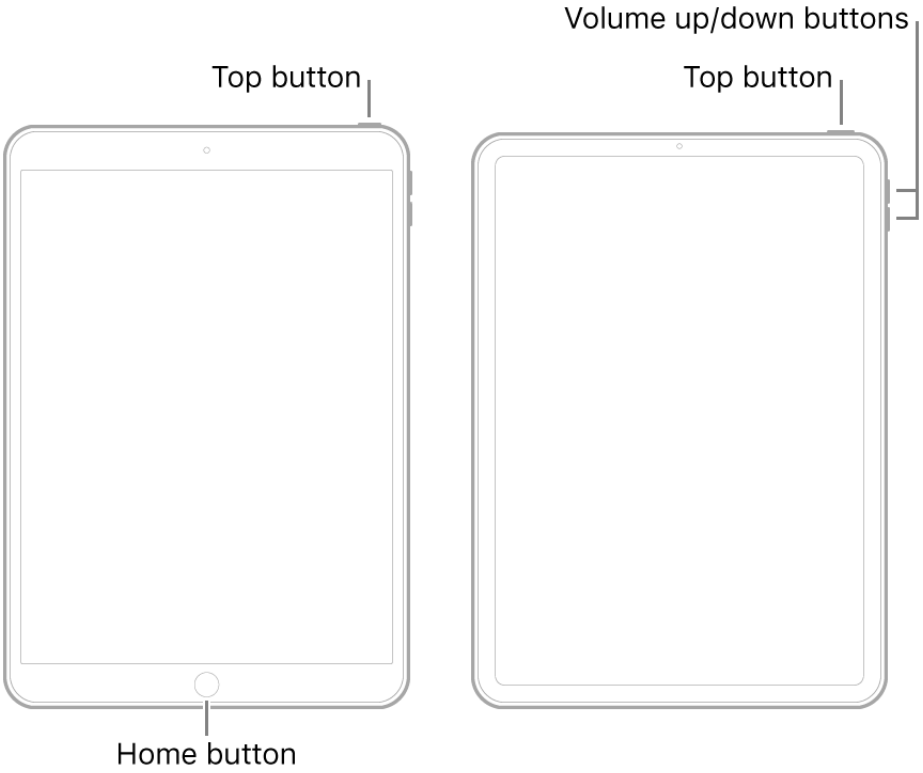

If iPad still doesn't respond or turn on, see the Apple Support article If your iPhone, iPad, or iPod touch won't turn on or is frozen.

Update iOS software on iPad

When you update the iOS software, your data and settings remain unchanged.

Note: Set up iPad to back up automatically, or back up your device manually, before you update.

Update iPad automatically

If you didn't turn on automatic updates when you first set up iPad, go to Settings > General > Software Update > Automatic Updates, then turn on Automatic Updates.

iPad automatically installs updates wirelessly. You are notified before the update occurs.

Update iPad manually

Go to Settings > General > Software Update > Automatic Updates, then turn off Automatic Updates.

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At any time, you can check for and install software updates. Go to Settings > General > Software Update.

Update using iTunes

Sync iPad using iTunes.

iTunes checks for available software updates each time you sync.

See the Apple Support articles Update to iOS 12 and If you can't update or restore your iPhone, iPad, or iPod touch.

Back up iPad using iCloud or iTunes

You can back up iPad using iCloud or iTunes. To decide which method is best for you, see About backups for iOS devices.

Tip: If you replace your iPad, you can use its backup to transfer your information to the new device. See Restore iPad.

Back up iPad using iCloud

1. Go to Settings > [*your name*] > iCloud > iCloud Backup.
2. Turn on iCloud Backup. iCloud automatically backs up your iPad daily when iPad is connected to power, locked, and on Wi-Fi.
3. To perform a manual backup, tap Back Up Now.

To view your iCloud backups, go to Settings > [*your name*] > iCloud > Manage Storage > Backups. To delete a backup, choose a backup from the list, then tap Delete Backup.

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Back up iPad using iTunes Draft

1. Connect iPad to your computer using USB.
2. On your computer, open iTunes.
3. Click the iPad button, then click Summary in the sidebar.
4. In the Summary pane, select "Encrypt iPad backup" if you want to encrypt the backup stored on your computer.

   Encrypted backups are indicated by 🔒, and a password is required to restore them.
5. Click one of the following:
   - *Back Up Now:* Starts a manual backup.
   - *This computer:* Turns on automatic backups that start whenever you connect iPad to your computer.

To view or delete iTunes backups, choose iTunes > Preferences, then click Devices.

Return iPad settings to their defaults

You can return settings to their defaults without erasing your content.

If you want to save your settings, back up iPad using iCloud or iTunes before returning them to their defaults. For example, if you're trying to solve a problem but returning settings to their defaults doesn't help, you might want to restore your previous settings from a back up.

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1. Go to Settings > General > Reset.
2. Choose an option:

   WARNING: If you choose the Erase All Content and Settings option, all of your content is removed. See Erase all content and settings from iPad.
   - *Reset All Settings:* All settings—including network settings, the keyboard dictionary, the Home screen layout, location settings, privacy settings, and Apple Pay cards—are removed or reset to their defaults. No data or media are deleted.
   - *Reset Network Settings:* Only network settings are removed.

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When you reset network settings, previously used networks and VPN settings that weren't installed by a configuration profile or mobile device management (MDM) are removed. Wi-Fi is turned off and then back on, disconnecting you from any network you're on. The Wi-Fi and Ask to Join Networks settings remain turned on.

To remove VPN settings installed by a configuration profile, go to Settings > General > Profiles & Device Management, select the configuration profile, then tap Remove Profile. This also removes other settings and accounts provided by the profile. See Install or remove configuration profiles on iPad in this guide. To remove network settings installed by MDM, go to Settings > General > Profiles & Device Management, select the management, then tap Remove Management. This also removes other settings and certificates provided by MDM. See "Mobile device management (MDM)" in the iOS Deployment Reference.

- *Reset Keyboard Dictionary:* You add words to the keyboard dictionary by rejecting words iPad suggests as you type. Resetting the keyboard dictionary erases only the words you've added.
- *Reset Home Screen Layout:* Returns the built-in apps to their original layout on the Home screen.
- *Reset Location & Privacy:* Resets the location services and privacy settings to their defaults.

If you want to use iTunes to delete your content along with your settings and then restore iPad to factory settings, see Restore iPad to factory settings with iTunes. If you want to completely erase all content and settings, see Erase all content and settings from iPad.

Restore iPad

You can restore content and settings from a backup, or restore iPad to factory settings.

If you're asked to enter your passcode and you've forgotten it, see Reset the passcode. If you're asked to enter your Apple ID password and you've forgotten it, see the Recover your Apple ID website.

Erase then restore iPad from a backup

Important: You must first create a backup of your iPad. See Back up iPad using iCloud or iTunes.

1. Go to Settings > General > Reset.

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2. Tap Erase All Content and Settings. Draft
3. Follow the setup assistant when iPad restarts.

   The setup assistant gives you the option to restore iPad from an iCloud or iTunes backup. (See Turn on and set up iPad.)

Restore iPad from an iTunes backup

Important: You must first create a backup of your iPad in iTunes. See Back up iPad using iCloud or iTunes.

1. Connect iPad to the computer you normally back up to.
2. Open iTunes on the computer, then in iTunes choose File > Devices > Restore from Backup.

Restore iPad to factory settings with iTunes

Use iTunes to delete all content and settings from your iPad, restore iPad to factory settings, and install the latest iOS software.

Important: Restoring iPad to factory settings with iTunes deletes all your content and settings, but doesn't erase it. Deleted information can't be accessed through the iPad interface, but it remains on your device. For information about erasing all content and settings, see Erase all content and settings from iPad.

1. Connect iPad to a computer using USB.
2. Open iTunes on the computer.
3. Click the iPad button near the top of the iTunes window.
4. In the Summary pane, click Restore iPad.

See the Apple Support articles Restore your iPhone, iPad, or iPod touch from a backup and If you can't update or restore your iPhone, iPad, or iPod touch. For more information about iTunes, refer to the Help in the app.

Sell or give away your iPad

Before you sell or give away your iPad, see the Apple Support article What to do before you sell or give away your iPhone, iPad, or iPod touch, and be sure to perform the following tasks:

- Back up iPad using iCloud or iTunes. If you replace one iPad with another, you can use the setup assistant to restore the backup to your new iPad.
- Erase all content and settings, which includes your personal information.

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Erase all content and settings from iPad

When you delete data, it's no longer accessible through the iPad interface, but it isn't erased from iPad storage. To remove all of your content and settings from storage, erase iPad. For example, erase iPad before you sell it or give it away . If you want to save your content and settings, back up using iCloud or iTunes before erasing iPad.

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1. Go to Settings > General > Reset.

   If you're asked to enter your passcode and you've forgotten it, see Reset the passcode. If you're asked to enter your Apple ID password and you've forgotten it, see the Recover your Apple ID website.

2. Tap Erase All Content and Settings.

When iPad restarts with all content and settings erased, the setup assistant gives you the option to either set up iPad as new or restore it from an iCloud or iTunes backup. (See Turn on and set up iPad.)

Install or remove configuration profiles on iPad

Configuration profiles define settings for using iPad with corporate or school networks or accounts. You might be asked to install a configuration profile that was sent to you in an email, or one that is downloaded from a webpage. iPad asks for your permission to install the profile, and displays information about what it contains, when you open the file. You can see the profiles you have installed in Settings > General > Profiles & Device Management. If you delete a profile, all of the settings, apps, and data associated with the profile are also deleted.

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Accessibility

Get started with accessibility features on iPad

iPad provides many accessibility features to support your vision, interaction, hearing, and learning needs. Learn how to configure these features and set up shortcuts for easy access.

Set up and configure accessibility features on iPad

1. Go to Settings > General > Accessibility.
2. Set up any of the following features:
   - Vision
     - VoiceOver
     - Zoom
     - Magnifier
     - Display accommodations
     - Speech
     - Larger text
     - Bold text
     - Button shapes
     - Reduce transparency
     - Increase contrast
     - Reduce motion
     - On/Off labels
     - Face ID and attention
   - Interaction
     - Switch Control
     - AssistiveTouch

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- Touch accommodations
- Top button or Home button (depending on your model)
- Siri
- Keyboard
- Call audio routing
- Apple Pencil (2nd generation)

- Hearing
  - Hearing devices
  - Live Listen
  - RTT
  - LED flash for Alerts
  - Mono audio and balance
- Media
  - Subtitles and closed captions
  - Audio descriptions for video
- Learning
  - Guided Access
- Accessibility shortcuts

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Use iTunes on your computer to configure accessibility features for iPad

In iTunes on your computer, you can enable a limited number of accessibility features, including VoiceOver, Zoom, Invert Colors, Speak Auto-text, mono audio, and "Show closed captions when available."

1. On your computer, open iTunes.
2. Click Summary.
3. At the bottom of the Summary screen, click Configure Accessibility.

Take advantage of the accessibility features in macOS when you use iTunes to sync information and content from your iTunes library to iPad. For more information, see iTunes Help on your computer.

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Use accessibility shortcuts on iPad

After you set up accessibility features, you can quickly turn them on or off with any of the methods below.

Ask Siri to turn on an accessibility feature

Say something like: “Turn on VoiceOver.” Learn how to ask Siri.

Triple-click the top button

On iPad Pro (11-inch) and iPad Pro (12.9-inch) (3rd generation), you can turn accessibility features on or off by triple-clicking the top button.

- *Set up Accessibility Shortcut:* Go to Settings > General > Accessibility > Accessibility Shortcut, then select the features you use the most.
- *Slow down the double-click or triple-click speed for the top button:* Go to Settings > General > Accessibility > Top Button.
- *Use Accessibility Shortcut:* Triple-click the top button.

Triple-click the Home button

On models with the Home button, you can turn accessibility features on or off by triple-clicking the Home button.

- *Set up Accessibility Shortcut:* Go to Settings > General > Accessibility > Accessibility Shortcut, then select the features you use the most.
- *Slow down the double-click or triple-click speed for the Home button:* Go to Settings > General > Accessibility > Home Button.
- *Use Accessibility Shortcut:* Triple-click the Home button.

Use Control Center

You can also add accessibility features to Control Center and then activate them from there.

1. Go to Settings > Control Center > Customize Controls, then tap ⊕ next to accessibility features you use the most.
2. To activate an accessibility feature from Control Center, open Control Center, then tap the accessibility feature.

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VoiceOver

Turn on and practice VoiceOver on iPad

With VoiceOver—a gesture-based screen reader—you can use iPad even if you don't see the screen. VoiceOver gives audible descriptions of what's on your screen—from battery level, to who's calling, to which app your finger is on. You can also adjust the speaking rate and pitch to suit your needs.

When you touch the screen or drag your finger over it, VoiceOver speaks the name of the item your finger is on, including icons and text. To interact with the item, such as a button or link, or to navigate to another item, use VoiceOver gestures.

When you go to a new screen, VoiceOver plays a sound, then selects and speaks the name of the first item on the screen (typically in the top-left corner). VoiceOver tells you when the display changes to landscape or portrait orientation, when the screen becomes dimmed or locked, and what's active on the Lock screen when you wake iPad.

Turn VoiceOver on or off

Important: VoiceOver changes the gestures you use to control iPad. When VoiceOver is on, you must use VoiceOver gestures to operate iPad.

To turn VoiceOver on or off, use any of the following methods:

- Go to Settings > General > Accessibility > VoiceOver, then turn the setting on or off.
- Summon Siri and say "Turn on VoiceOver" or "Turn off VoiceOver."
- Triple-click the top button (iPad Pro (11-inch) and iPad Pro (12.9-inch) (3rd generation)).
- Triple-click the Home button (models with the Home button).
- Use Control Center.

Learn and practice VoiceOver gestures

You can practice VoiceOver gestures in a special area without affecting iPad or its settings. When you practice a gesture, VoiceOver describes the gesture and the resulting action.

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Try different techniques to discover which works best for you. If a gesture doesn't work, try a quicker movement, especially for a double-tap or swipe gesture. To swipe, try brushing the screen quickly with your finger or fingers. For best results using multifinger gestures, touch the screen with some space between your fingers.

1. Go to Settings > General > Accessibility > VoiceOver.
2. Turn on VoiceOver, tap VoiceOver Practice, then double-tap to start.
3. Practice the following gestures with one, two, three, and four fingers:
    - Tap
    - Double-tap
    - Triple-tap
    - Swipe left, right, up, or down
4. When you finish practicing, tap Done, then double-tap to exit.

Change your VoiceOver settings on iPad

You can customize the settings for VoiceOver, such as the audio options, language, voice, speaking rate, and verbosity.

Adjust the VoiceOver volume and other audio options

- To increase or decrease the volume, press the volume buttons on iPad.
- To set other audio options, go to Settings > General > Accessibility > VoiceOver > Audio, then do any of the following:
    - Turn on Mute Sound Effects.
    - Turn on Audio Ducking to temporarily reduce playback volume when VoiceOver speaks.
    - Adjust audio routing options when you connect additional devices, such as an instrument amplifier or a DJ mixer.

Set the VoiceOver language

VoiceOver uses the same language you choose for your iPad. VoiceOver pronunciation of some languages is affected by the Region Format you choose.

1. Go to Settings > General > Language & Region.

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2. Tap iPad Language, then choose a language.

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Adjust the speaking voice

Go to Settings > General > Accessibility > VoiceOver, then do any of the following:

- *Adjust the speaking rate:* Drag the Speaking Rate slider.
- *Choose a voice:* Tap Speech, then choose a voice. To download an enhanced voice, tap .
- *Adjust the pitch:* Tap Speech, then drag the slider. You can also turn on Use Pitch Change to have VoiceOver use 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.
- *Specify the pronunciation of certain words:* Tap Speech, tap Pronunciations, tap +, enter a phrase, then dictate or spell out how you want the phrase to be pronounced.

  Note: You can dictate only if you've turned on Enable Dictation in Settings > General > Keyboards.

Set how much VoiceOver tells you

Go to Settings > General > Accessibility > VoiceOver, then do any of the following:

- *Adjust the level of detail:* Tap Verbosity, then choose options to have VoiceOver speak hints, punctuation, uppercase letters, embedded links, and more. VoiceOver can even confirm rotor actions.
- *Enable spoken notifications:* Turn on Always Speak Notifications to have VoiceOver read notifications, including incoming text messages as they occur, even if iPad is locked. Unacknowledged notifications are repeated when you unlock iPad.

Display a larger VoiceOver cursor

The VoiceOver cursor is the black outline around the selected item. If you have trouble seeing the cursor, you can enlarge and thicken the outline.

1. Go to Settings > General > Accessibility > VoiceOver.
2. Turn on Large Cursor.

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Learn VoiceOver gestures on iPad Draft

When VoiceOver is on, standard touchscreen gestures have different effects, and additional gestures let you move around the screen and control individual items. VoiceOver gestures include two-, three-, and four-finger taps and swipes.

You can use different techniques to perform VoiceOver gestures. For example, you can perform a two-finger tap using two fingers on one hand, one finger on each hand, or your thumbs. Instead of selecting an item and double-tapping, you can use a split-tap gesture—touch and hold an item with one finger, then tap the screen with another finger.

Explore and speak items on the screen

To explore the screen, drag your finger over it. VoiceOver speaks the name of each item you touch.

You can also use VoiceOver gestures to explore the screen in order, from top to bottom and left to right.

Action	VoiceOver gesture to perform action
Select and speak an item	Tap or touch the item
Select the next item	Swipe right
Select the previous item	Swipe left
Select the first item on the screen	Four-finger tap near the top of the screen
Select the last item on the screen	Four-finger tap near the bottom of the screen
Speak the entire screen from the top	Two-finger swipe up
Speak the entire screen from the selected item	Two-finger swipe down
Pause or continue speaking	Two-finger tap
Speak additional information, such as the position within a list or whether text is selected	Three-finger tap

Scroll up, down, left, and right

Use VoiceOver gestures to move to another page.

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Action	VoiceOver gesture to perform action
Scroll up one page	Three-finger swipe down
Scroll down one page	Three-finger swipe up
Scroll left one page	Three-finger swipe right
Scroll right one page	Three-finger swipe left

Take action on an item

Use VoiceOver gestures to perform actions on an item.

Action	VoiceOver gesture to perform action
Activate the selected item	Double-tap
Double-tap the selected item	Triple-tap
Drag a slider	Tap the slider to select it, then swipe up or down with one finger; or double-tap and hold the slider until you hear three rising tones, then drag the slider
Start or stop the current action (for example, play or pause music or a video, take a photo in Camera, start or stop a recording, start or stop the stopwatch)	Two-finger double-tap
Dismiss an alert or return to the previous screen	Two-finger scrub (move two fingers back and forth three times quickly, making a “z”)
Edit an item’s label to make it easier to find	Two-finger double-tap and hold

Tip: As an alternative to selecting an item and double-tapping to activate it, touch and hold an item with one finger, then tap the screen with another.

Use gestures to control VoiceOver

Use these gestures to control VoiceOver.

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Action	VoiceOver gesture to perform action
Mute or unmute VoiceOver	Three-finger double-tap. If both VoiceOver and Zoom are enabled, use the three-finger triple-tap gesture.
Turn the screen curtain on or off (When the screen curtain is on, the screen contents are active even though the display is turned off.)	Three-finger triple-tap. If both VoiceOver and Zoom are enabled, use the three-finger quadruple-tap gesture.
Use a standard gesture	Double-tap and hold your finger on the screen until you hear three rising tones, then make the gesture. When you lift your finger, VoiceOver gestures resume. For example, to drag a volume slider with your finger instead of swiping up and down, select the slider, double-tap and hold, wait for the three tones, then slide left or right.
Open the Item Chooser	Two-finger triple-tap. To move quickly through the list of items, type a name in the search field, swipe right or left to move through the list alphabetically, or tap the table index to the right of the list and swipe up or down. You can also use handwriting to select an item by writing its name. To dismiss the Item Chooser without making a selection, double-tap.

Use the VoiceOver rotor

You can use the rotor to change VoiceOver settings, jump from one item to the next on the screen, select special input methods such as Braille Screen Input or Handwriting, and more. For details, see Control VoiceOver using the rotor on iPad.

Use these gestures to use the rotor.

Action	VoiceOver gesture to perform action
Choose a rotor setting	Two-finger rotation
Move to the previous item or increase (depending on the rotor setting)	Swipe up
Move to the next item or decrease (depending on the rotor setting)	Swipe down

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Operate iPad using VoiceOver gestures

When VoiceOver is on, you need to use special gestures to unlock iPad, go to the Home screen, open Control Center, switch apps, and more.

Unlock iPad

- Models with Face ID: Wake iPad and glance at it, then drag up from the bottom edge of the screen until you hear two tones.
- Models with Touch ID: Press the Home button.
- Other models: Press the Home button, then enter your passcode.

To avoid having your passcode spoken as you enter it, enter your passcode silently using handwriting mode or type onscreen braille.

Go to the Home screen

- Drag one finger up from the bottom edge of the screen until you hear two rising tones, then lift your finger.
- Press the Home button (models with the Home button).

Use the dock

Slide one finger up from the bottom edge until you hear two rising tones, then swipe down.

Switch to another app

Swipe right or left with five fingers to cycle through the open apps. (Make sure Gestures is turned on in Settings > General > Multitasking & Dock.)

Alternatively, you can use the App Switcher:

1. Open the App Switcher using one of the following methods:
    - Drag one finger up from the bottom edge of the screen until you hear three tones, then lift your finger.
    - Double-click the Home button (models with the Home button).
2. To browse the open apps, swipe left or right until the app you want is selected.
3. Double-tap to open the app.

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Open Control Center

- Drag one finger down from the top edge of the screen until you hear two rising tones.
- Tap any item in the status bar, then swipe up with three fingers.

To dismiss Control Center, do a two-finger scrub.

View notifications

- Drag one finger down from the top edge of the screen until you hear three rising tones.
- Tap any item in the status bar, then swipe down with three fingers.

To dismiss the notifications screen, do a two-finger scrub.

Speak status bar information

1. Tap the status bar at the top of the screen.
2. Swipe left or right to hear the time, battery state, Wi-Fi signal strength, and more.

Rearrange apps on your Home screen

Use one of the following methods:

- *Drag and drop:* Tap an icon on the Home screen, then double-tap and hold your finger on the screen until you hear three tones. The item's relative location is described as you drag. Lift your finger when the icon is in its new location. Drag an icon to the edge of the screen to move it to another Home screen.
- *Move actions:* Tap an app, then swipe down to hear available actions. When you hear "Edit Mode," double-tap to start arranging apps. Find the app you want to move, then swipe down to the Move action and double-tap. Move the VoiceOver cursor to the new destination for the app, then choose from the available actions: Cancel Move, Create New Folder, Add to Folder, Move Before, or Move After.

When you're finished, tap Done, then double-tap.

Search from the Home screen

1. Tap anywhere on the Home screen outside the status bar.
2. Swipe down with three fingers.

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Control VoiceOver using the rotor on iPad

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You can use the VoiceOver rotor to change how VoiceOver works. You can adjust the VoiceOver volume or speaking rate, move from one item to the next on the screen, select special input methods such as Braille Screen Input or Handwriting, and more.

When you use an Apple Wireless Keyboard to control VoiceOver, use the rotor to adjust settings such as volume, speech rate, use of pitch or phonetics, typing echo, and reading of punctuation.

Use the VoiceOver rotor

1. When VoiceOver is turned on, rotate two fingers on your screen as if you're turning a dial. If you prefer to use one finger on each hand, simultaneously drag up with one finger and drag down with the other.

   VoiceOver speaks the rotor setting. Keep rotating your fingers to hear more settings. Stop rotating your fingers when you hear the setting you want.

2. Swipe your finger up or down on the screen to use the setting.

   The available rotor settings and their effects depend on what you're doing. For example, if you choose Headings when you're browsing a webpage, a swipe down or up will move the VoiceOver cursor to the next or previous heading.

Customize the VoiceOver rotor

1. Go to Settings > General > Accessibility > VoiceOver.

2. Do any of the following:

   - *Add settings to the rotor:* Tap Rotor, then choose the settings you want.
   - *Add another language:* Tap Speech > Add New Language (below Rotor Languages), then choose a language.
   - *Have VoiceOver confirm rotor actions:* Tap Verbosity, then turn on Speak Confirmation.

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Use the onscreen keyboard with VoiceOver on iPad

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VoiceOver changes how you use the onscreen keyboard when you activate an editable text field. You can enter, select, and delete text; change the keyboard language; and more.

Enter text with the onscreen keyboard

1. Select a text field, then double-tap.

   The insertion point and the onscreen keyboard appear.

2. Enter text using one of the following methods:

   - *Standard typing (default):* Select a key on the keyboard by swiping left or right, then double-tap to enter the character. Or move your finger around the keyboard to select a key and, while continuing to touch the key with one finger, tap the screen with another finger. VoiceOver speaks the key when it's selected, and again when the character is entered.
   - *Touch typing:* Touch a key on the keyboard to select it, then lift your finger to enter the character. If you touch the wrong key, slide your finger to 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.
   - *Direct Touch typing:* VoiceOver is disabled for the keyboard only, so you can type just as you do when VoiceOver is off.
   - *Dictation:* Use a two-finger double-tap on the keyboard to start and stop dictation.

To enter an accented character, use one of the following methods:

- *Standard typing (default):* Select the plain character, then double-tap and hold until you hear a tone indicating alternate characters have appeared. Drag left or right to select and hear the choices. Release your finger to enter the current selection.
- *Touch typing:* Touch and hold a character until the alternate characters appear.

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Edit text with the onscreen keyboard Draft

- *Move the insertion point:* Swipe up or down to move the insertion point forward or backward in the text. Use the rotor to choose whether you want to move the insertion point by character, by word, or by line. To jump to the beginning or end, double-tap the text.

  VoiceOver makes a sound when the insertion point moves, and speaks the character, word, or line that the insertion point moves across. When moving forward by words, the insertion point is placed at the end of each word, before the space or punctuation that follows. When moving backward, the insertion point is placed at the end of the preceding word, before the space or punctuation that follows it.

- *Move the insertion point past the punctuation at the end of a word or sentence:* Use the rotor to switch back to character mode.

  When moving the insertion point by line, VoiceOver speaks each line as you move across it. When moving forward, the insertion point is placed at the beginning of the next line (except when you reach the last line of a paragraph, when the insertion point is moved to the end of the line just spoken). When moving backward, the insertion point is placed at the beginning of the line that's spoken.

- *Delete a character:* Use ⌫.

- *Select text:* Use one of the following methods.

  - Set the rotor to Text Selection, swipe up or down to choose Character, Word, Line, or Sentence, then swipe left or right to move backward or forward.

  - Set the rotor to Edit, swipe up or down to choose Select or Select All, then double-tap. If you choose Select, the word closest to the insertion point is selected when you double-tap. To increase or decrease the selection, do a two-finger scrub to dismiss the pop-up menu, then pinch.

- *Cut, copy, or paste:* Set the rotor to Edit, select the text, swipe up or down to choose Cut, Copy, or Paste, then double-tap.

- *Fix misspelled words:* Set the rotor to Misspelled Words, then swipe up or down to jump to the previous or next misspelled word. Swipe left or right to choose a suggested replacement, then double-tap to use the replacement.

- *Undo:* Shake iPad, swipe left or right to choose the action to undo, then double-tap.

Change the keyboard settings

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1. Go to Settings > General > Accessibility > VoiceOver.
2. Tap any of the following:
   - *Typing Style:* You can choose a new style. Or, set the rotor to Typing Mode, then swipe up or down.
   - *Phonetic Feedback:* Speak text character by character. VoiceOver first speaks the character, then its phonetic equivalent—for example, “f” and then “foxtrot.
   - *Typing Feedback:* Choose to speak characters, words, both, or nothing.
   - *Rotor:* Select the settings you want to include in the rotor.
   - *Speech:* Tap Add New Language (below Rotor Languages), then choose a language.
   - *Verbosity:* Tap Deleting Text. To have VoiceOver speak deleted characters in a lower pitch, tap Change Pitch.

Write with your finger using VoiceOver on iPad

With Handwriting mode, you can enter text by writing characters on the screen with your finger. In addition to normal text entry, use handwriting mode to enter your iPad passcode silently or to open apps from the Home screen.

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Use handwriting mode

1. Set the rotor to Handwriting.

   If Handwriting isn't in the rotor, go to Settings > General > Accessibility > VoiceOver > Rotor, then add it.

2. To choose a character type (lowercase, numbers, uppercase, or punctuation), swipe up or down with three fingers.

   To hear the selected character type, tap with three fingers.

3. Trace a character on the screen with your finger.

   You can also do any of the following:

   - *Enter an alternate character (a character with an accent, for example):* Write the character, then swipe up or down with two fingers until you hear the type of character you want.
   - *Enter a space:* Swipe right with two fingers.
   - *Go to a new line:* Swipe right with three fingers.
   - *Delete the previous character:* Swipe left with two fingers.

4. To exit handwriting mode, do a two-finger scrub, or set the rotor to a different setting.

Enter your passcode silently with handwriting mode

1. On the passcode screen, set the rotor to Handwriting.
2. Write the characters of your passcode with your finger.

Select an item on the Home screen

1. On the Home screen, set the rotor to Handwriting.
2. Start writing the name of the item with your finger.

   If there are multiple matches, continue to spell the name until it's unique, or swipe up or down with two fingers to choose from the current matches.

Quickly navigate a long list

1. Select the index to the right of the list (for example, next to your Contacts list or in the VoiceOver Item Chooser).
2. Set the rotor to Handwriting, then use your finger to write the letter you want to navigate to.

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Use VoiceOver with an Apple Wireless Keyboard on iPad

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You can control VoiceOver using an Apple Wireless Keyboard paired with iPad. See Use an Apple Magic Keyboard with iPad. You activate VoiceOver commands on the Apple Wireless Keyboard with keyboard shortcuts.

Additionally, you can use VoiceOver Help to learn the keyboard layout and the actions associated with various key combinations. VoiceOver Help speaks keys and keyboard commands as you type them, without performing the associated action.

Choose the modifier keys

1. Go to Settings > General > Accessibility > VoiceOver > Modifier Keys.
2. Choose a modifier key combination for VoiceOver commands: Control-Option or the Caps Lock key.

   This key combination is abbreviated as “VO” in the lists below.

VoiceOver keyboard commands

VO = modifier keys

- *Turn on VoiceOver Help:* VO-K
- *Turn off VoiceOver Help:* Esc (Escape)
- *Select the next or previous item:* VO-Right Arrow or VO-Left Arrow
- *Activate the selected item:* VO-Space bar
- *Go to the Home screen:* VO-H
- *Touch and hold the selected item:* VO-Shift-M
- *Move to the status bar:* VO-M
- *Read from the current position:* VO-A
- *Read from the top:* VO-B
- *Pause or resume reading:* Control
- *Copy the last spoken text to the clipboard:* VO-Shift-C
- *Search for text:* VO-F
- *Mute or unmute VoiceOver:* VO-S
- *Open the notifications screen:* Fn-VO-Up Arrow

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- *Open Control Center:* Fn-VO-Down Arrow
- *Open the Item Chooser:* VO-I
- *Change the label of the selected item:* VO-/
- *Start, stop, or pause an action:* VO-Hyphen
- *Swipe up or down:* VO-Up Arrow or VO-Down Arrow
- *Adjust the rotor:* VO-Command-Left Arrow or VO-Command-Right Arrow
- *Adjust the setting specified by the rotor:* VO-Command-Up Arrow or VO-Command-Down Arrow
- *Turn the screen curtain on or off:* VO-Shift-F11
- *Return to the previous screen:* Esc
- *Switch apps:* Command-Tab or Command-Shift-Tab

Quick Nav using the arrow keys

Turn on Quick Nav to control VoiceOver using the arrow keys.

- *Turn Quick Nav on or off:* Left Arrow-Right Arrow
- *Select the next or previous item:* Right Arrow or Left Arrow
- *Select the next or previous item specified by the rotor:* 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
- *Adjust the rotor:* Up Arrow-Left Arrow or Up Arrow-Right Arrow

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Single-key Quick Nav for web browsing

When you view a webpage with Quick Nav on, you can use the following keys on the keyboard to navigate the page quickly. Typing the key moves to the next item of the indicated type. To move to the previous item, hold the Shift key as you type the letter.

- *Turn on Single-key Quick Nav:* VO-Q
- *Heading:* H
- *Link:* L

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- *Text field:* R
- *Button:* B
- *Form control:* C
- *Image:* I
- *Table:* T
- *Static text:* S
- *ARIA landmark:* W
- *List:* X
- *Item of the same type:* M
- *Level 1 heading:* 1
- *Level 2 heading:* 2
- *Level 3 heading:* 3
- *Level 4 heading:* 4
- *Level 5 heading:* 5
- *Level 6 heading:* 6

Text editing

Use these commands (with Quick Nav turned off) to work with text. VoiceOver reads the text as you move the insertion point.

- *Go forward or back one character:* Right Arrow or Left Arrow
- *Go forward or back one word:* Option-Right Arrow or Option-Left Arrow
- *Go up or down one line:* Up Arrow or Down Arrow
- *Go to the beginning or end of the line:* Command-Left Arrow or Command-Down Arrow
- *Go to the beginning or end of the paragraph:* Option-Up Arrow or Option-Down Arrow
- *Go to the previous or next paragraph:* Option-Up Arrow or Option-Down Arrow
- *Go to the top or bottom of the text field:* Command-Up Arrow or Command-Down Arrow

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- *Select text as you move:* Shift + any of the insertion point movement commands above
- *Select all text:* Command-A
- *Copy, cut, or paste the selected text:* Command-C, Command-X, or Command-V
- *Undo or redo last change:* Command-Z or Shift-Command-Z

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Type onscreen braille using VoiceOver on iPad

If you turn on Braille Screen Input, you can use your fingers to enter six-dot braille or contracted braille directly on the iPad screen.

Enter braille on the screen

Enter braille with iPad lying flat in front of you (tabletop mode), or hold iPad with the screen facing away so your fingers curl back to tap the screen (screen away mode).

1. Set the rotor to Braille Screen Input.

   If you don't see Braille Screen Input in the rotor, go to Settings > General > Accessibility > VoiceOver > Rotor, then select it from the list.

2. Enter braille characters by tapping the screen with one or several fingers at the same time.

   You can also do any of the following:

   - *Enter a space:* Swipe right with one finger. (In screen away mode, swipe to *your* right.)
   - *Delete the previous character:* Swipe left with one finger.
   - *Move to a new line:* Swipe right with two fingers.
   - *Cycle through spelling suggestions:* Swipe up or down with one finger.
   - *Enter a carriage return, or send a message (in Messages):* Swipe up with three fingers.
   - *Switch between six-dot braille and contracted braille:* Swipe to the right with three fingers.
   - *Turn braille contractions on or off:* Swipe to the right with three fingers.
   - *Translate immediately (when contractions are enabled):* Swipe down with two fingers.

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- *Switch to the next keyboard:* Swipe up with two fingers.

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3. To exit Braille Screen Input, do a two-finger scrub, or adjust the rotor to another setting.

Tip: To have iPad read dots aloud, tap and hold the dots, then when you hear the timer tones and announcement, release the dots.

Adjust entry dot positions

To move the entry dots to match your natural finger positions, double-tap all the dots.

Change Braille Screen Input settings

1. Go to Settings > General > Accessibility > VoiceOver > Braille > Braille Screen Input.
2. Do any of the following:
   - Set six-dot or contracted Braille as the default.
   - Reverse dot positions for six-dot and eight-dot Braille.

Use a braille display with VoiceOver on iPad

You can use a Bluetooth braille display to read VoiceOver output, and a braille display with input keys and other controls to control iPad when VoiceOver is turned on. For a list of supported braille displays, see the Apple Support article Braille displays supported by iPhone, iPad, and iPod touch.

Connect a braille display

1. Turn on the braille display.
2. On iPad, go to Settings > Bluetooth, turn on Bluetooth, then choose the display.
3. On iPad, go to Settings > General > Accessibility > VoiceOver > Braille, then choose the display.

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Adjust the braille settings

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1. On iPad, go to Settings > General > Accessibility > VoiceOver > Braille.
2. Do any of the following:
   - Choose contracted, uncontracted eight-dot, or uncontracted six-dot braille input or output
   - Turn on the status cell and choose its location
   - Turn on Nemeth code for mathematical equations
   - Display the onscreen keyboard
   - Choose to have the page turned automatically when panning
   - Change the braille translation from Unified English
   - Change the alert display duration

Output closed captions in braille during media playback

1. On iPad, go to Settings > General > Accessibility > VoiceOver > Verbosity.
2. Choose Braille or Speech and Braille.

For information about common braille commands for VoiceOver navigation, and for information specific to certain displays, see the Apple Support article Common braille commands for VoiceOver on your iPhone, iPad, and iPod touch.

Use VoiceOver in apps on iPad

You can use VoiceOver to interact with apps such as Maps, Camera, Photos, Voice Memos, Safari, and more.

Read PDF documents in Apple Books or Files using VoiceOver

VoiceOver can read detailed information—such as forms, tables, and lists—in PDF documents.

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Browse the web in Safari using VoiceOver

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- *Search the web:* Select the search field, double-tap to invoke the keyboard, enter your search, then swipe right or left to move down or up the list of suggested search phrases. Then double-tap the screen to search the web using the selected phrase.
- *Skip to the next page element of a particular type:* Set the rotor to the element type—such as headings, links, and form controls—then swipe up or down.
- *Set the rotor settings for web browsing:* Go to Settings > General > Accessibility > VoiceOver > Rotor. Tap to select or deselect options, or drag ☰ up or down to reposition an item.
- *Skip images while navigating:* Go to Settings > General > Accessibility > VoiceOver > Navigate Images. You can choose to skip all images or only those without descriptions.
- *Reduce page clutter for easier reading and navigation:* Select the Reader item in the Safari address field (not available for all webpages).

If you pair an Apple Wireless Keyboard with iPad, you can use single-key Quick Nav commands to navigate webpages. See Use VoiceOver with an Apple Wireless Keyboard on iPad.

Read math equations using VoiceOver

VoiceOver can read math equations on the web (encoded using MathML) and in the Apple apps Pages, Numbers, Keynote, and iBooks Author (encoded using MathML or LaTeX).

- *Hear an equation:* Have VoiceOver read the text as usual. VoiceOver says “math” before it starts reading an equation.
- *Explore the equation:* Double-tap the selected equation to display it in full screen and move through it one element at a time. Swipe left or right to read elements of the equation. Use the rotor to select Symbols, Small Expressions, Medium Expressions, or Large Expressions, then swipe up or down to hear the next element of that size. You can continue to double-tap the selected element to “drill down” into the equation to focus on the selected element, then swipe left or right, or up or down, to read one part at a time.

Equations spoken by VoiceOver can also be output to a braille device using Nemeth code, as well as the codes used by Unified English Braille, British English, French, and Greek. See Use a braille display with VoiceOver on iPad.

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Navigate in Maps with VoiceOver

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In the Maps app, you can use VoiceOver to explore a region, browse points of interest, follow roads, zoom in or out, select a pin, or get information about a location.

- *Control how the map tracks your current location:* Double-tap until you hear the tracking option you want:
  - *Tracking on:* The map automatically centers on your current location.
  - *Tracking on with heading:* The map automatically centers on your current location and rotates so that the heading you're facing is at the top of the screen. In this mode, iPad speaks street names and points of interest as you approach them.
  - *Tracking off:* The map doesn't automatically center on your current location.
- *Explore the map:* Drag your finger around the screen, or swipe left or right to move to another item.
- *Zoom in or out:* Select the map, set the rotor to Zoom, then swipe down or up with one finger.
- *Pan the map:* Swipe with three fingers.
- *Browse visible points of interest:* Set the rotor to Points of Interest, then swipe up or down with one finger.
- *Follow a road:* Hold your finger down on the road, wait until you hear "pause to follow," then move your finger along the road while listening to the guide tone. The pitch increases when you stray from the road.
- *Select a pin:* Touch a pin, or swipe left or right to select the pin.
- *Get information about a location:* With a pin selected, double-tap to display the information flag. Swipe left or right to select the More Info button, then double-tap to display the information page.

Use Camera, Photos, and Voice Memos with VoiceOver

Use VoiceOver gestures to take and edit Camera videos and Voice Memo recordings.

- *Pause or continue a recording:* Double-tap the screen with two fingers.
- *Trim a video:* While viewing a video in Photos, double-tap the screen to display the video controls, then select the beginning or end of the trim tool. Then swipe up to drag to the right, or swipe down to drag to the left. VoiceOver announces the amount of time the current position will trim from the recording. To complete the trim, select Trim, then double-tap.

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- *Trim a voice memo:* Select the memo in Voice Memos, tap Edit, then tap Start Trimming. Select the beginning or end of the selection, double-tap and hold, then drag to adjust. VoiceOver announces the amount of time the current position will trim from the recording. Tap Play to preview the trimmed recording. When you've got it the way you want it, tap Trim.

Hear iPad speak the screen, selected text, and typing feedback

Even if VoiceOver is turned off, you can have iPad speak selected text or the entire screen. iPad can also provide feedback and speak text corrections and suggestions as you type.

Change the speech settings

1. Go to Settings > General > Accessibility > Speech.
2. Choose any of the following:
   - *Speak Selection:* To hear text you've selected, tap the Speak button.
   - *Speak Screen:* To hear the entire screen, swipe down with two fingers from the top of the screen.
   - *Highlight Content:* iPad can highlight words, sentences, or both as they're spoken. You can change the highlight color and style.
   - *Typing Feedback:* You can configure typing feedback for software and hardware keyboards and choose to have iPad speak each character, entire words, auto-corrections, auto-capitalizations, and typing predictions.

     To hear typing predictions, you also need to go to Settings > General > Keyboards, then turn on Predictive.
   - *Voices:* Choose a voice and dialect.
3. To adjust the speaking rate, drag the Speaking Rate slider.

Hear iPad speak

Ask Siri. Say something like: "Speak screen." Learn how to ask Siri.

Or do any of the following:

- *Hear selected text:* Select the text, then tap Speak.

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- *Hear the entire screen:* Swipe down with two fingers from the top of the screen. Use the controls that appear to pause speaking or adjust the rate.
- *Hear typing feedback:* Start typing. To hear typing predictions (when turned on), touch and hold each word.

Zoom in on the iPad screen

In many apps, you can zoom in or out on specific items. For example, you can double-tap or pinch to look closer in Photos or expand webpage columns in Safari. You can also use the Zoom feature to magnify the screen no matter what you're doing. You can magnify the entire screen (Full Screen Zoom) or magnify only part of the screen with a resizable lens (Window Zoom). And, you can use Zoom together with VoiceOver.

Set up Zoom

1. Go to Settings > General > Accessibility > Zoom, then turn on Zoom and do any of the following:

   - *Track your selections, the text insertion point, and your typing:* Turn on Follow Focus. Then, for example, if you use VoiceOver, the zoom window magnifies each element you select on the screen.

     To magnify your typing (in Messages or Notes, for example) but not the keyboard, turn on Smart Typing.

   - *Show the Zoom Controller:* Turn on Show Controller. To adjust the transparency of the Zoom Controller when not in use, tap Idle Visibility, then drag the slider.
   - *Choose the default Zoom region:* Tap Zoom Region, then choose Full Screen Zoom or Window Zoom.
   - *Apply a filter to the magnified part of the screen:* Tap Zoom Filter, then choose Inverted, Grayscale, Grayscale Inverted, or Low Light.
   - *Set the maximum magnification:* Drag the Maximum Zoom Level slider.

2. To add Zoom to Accessibility Shortcut, go to Settings > General > Accessibility > Accessibility Shortcut, then select Zoom.

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Use Zoom

1. Double-tap the screen with three fingers or use accessibility shortcuts to turn on Zoom.
2. To see more of the screen, do any of the following:
   - *Adjust the magnification:* Double-tap the screen with three fingers (without lifting your fingers after the second tap), then drag up or down. Or triple-tap with three fingers, then drag the Zoom Level slider.
   - *Move the Zoom lens:* (Window Zoom) Drag the handle at the bottom of the Zoom lens.
   - *Pan to another area:* (Full Screen Zoom) Drag the screen with three fingers.
3. To adjust the settings with the Zoom menu, triple-tap with three fingers, then do any of the following:
   - *Switch between Window Zoom and Full Screen Zoom:* Tap Choose Region.
   - *Resize the Zoom lens:* (Window Zoom) Tap Resize Lens, then drag any of the round handles that appear.
   - *Apply a filter:* Tap Choose Filter, then choose Inverted, Grayscale, Grayscale Inverted, or Low Light.
   - *Show the Zoom Controller:* Tap Show Controller.
4. To use the Zoom Controller, do any of the following:
   - *Show the Zoom menu:* Tap the controller.
   - *Zoom in or out:* Double-tap the controller.
   - *Pan:* When zoomed in, drag the controller.

While using Zoom with an Apple Wireless Keyboard, the screen image follows the insertion point, keeping it in the center of the display. See Use an Apple Magic Keyboard with iPad.

To turn off Zoom, double-tap the screen with three fingers or use accessibility shortcuts.

Magnify nearby objects with Magnifier on iPad

Use your iPad as a magnifying glass to zoom in on objects near you.

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Set up Magnifier

1. Go to Settings > General > Accessibility > Magnifier, then turn on Magnifier.

   This adds Magnifier as an accessibility shortcut.

2. To automatically adjust the brightness of Magnifier based on ambient light settings, turn on Auto-Brightness.

Turn on and adjust Magnifier

1. Use accessibility shortcuts to turn on Magnifier.

2. Make any of the following adjustments:

   - *Adjust the magnification level:* Drag the Zoom Level slider.
   - *Add more light:* Tap to turn the flashlight on or off.
   - *Lock the focus:* Tap . Tap again to unlock the focus.
   - *Apply color filters:* Tap . Tap the different color filters to preview their effects. To adjust the brightness and contrast, drag the sliders. To invert the colors, tap . To apply the selected filter and return to Magnifier screen, tap again.
   - *Freeze the frame:* Tap . To adjust the magnification, drag the Zoom Level slider. To save the image, touch and hold the image, then tap Save Image. To unfreeze the frame, tap again.

To turn off Magnifier, do the following:

- *Models with the Home button:* Press the Home button.
- *Other models:* Swipe up from the bottom edge of the screen.

Adjust the display settings on iPad

If you have color blindness, motion sensitivity, or other vision challenges, you can customize the display settings to make the screen easier to see.

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Use display accommodations

1. Go to Settings > General > Accessibility > Display Accommodations.
2. Adjust any of the following controls:
   - *Auto-Brightness:* iPad automatically adjusts the screen brightness for current light conditions using the built-in ambient light sensor.
   - *Invert Colors:* Choose Smart Invert or Classic Invert. Or use accessibility shortcuts. Smart Invert Colors reverses the colors of the display, except for images, media, and some apps that use dark color styles.
   - *Color Filters:* Then turn on Color Filters or use accessibility shortcuts. Tap a filter to apply it. To adjust the intensity or hue, drag the sliders.
   - *Reduce White Point:* This setting reduces the intensity of bright colors.
   - *Limit Frame Rate:* This setting limits the frame rate of the display to 60 frames per second (on supported models).

You can also apply these effects to only the contents of the zoom window. See Zoom in on the iPad screen.

Enhance text and buttons

1. Go to Settings > General > Accessibility.
2. Adjust any of the following controls:
   - *Larger Text:* Turn on Larger Accessibility Sizes, then adjust the text size using the Font Size slider.

     iPad adjusts to your preferred text size in apps that support Dynamic Type, such as Settings, Calendar, Contacts, Mail, Messages, and Notes.
   - *Bold Text:* This setting requires restarting your iPad.
   - *Button Shapes:* This setting underlines text you can tap.
   - *On/Off Labels:* This setting indicates switches turned on with “1” and switches turned off with “0”.

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Increase contrast and reduce transparency

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1. Go to Settings > General > Accessibility.
2. Adjust any of the following controls:
   - *Increase Contrast:* This setting improves the contrast and legibility by altering color and text styling.

     Apps that support Dynamic Type—such as Settings, Calendar, Contacts, Mail, Messages, and Notes—adjust to your preferred text size.
   - *Reduce Transparency:* This setting reduces the transparency and blurs on some backgrounds.

Reduce motion

If you have sensitivity to motion effects or screen movement on your iPad, you can stop or reduce the movement of some screen elements, such as:

- Parallax effect of wallpaper, apps, and alerts
- Screen transitions
- Siri animations
- Typing autocompletion
- Animated effects in Messages

1. Go to Settings > General > Accessibility > Reduce Motion, then turn on Reduce Motion.
2. To prevent iPad from automatically playing bubble and full-screen effects in Messages, turn off Auto-Play Message Effects.

   To manually play effects in Messages, tap Replay below the message bubble.

Change Face ID and attention settings on iPad

On iPad Pro (11-inch) and iPad Pro (12.9-inch) (3rd generation), you can adjust Face ID and attention settings if you have physical or vision limitations.

Set up Face ID with Accessibility Options

By default, setting up Face ID requires you to gently move your head in a circle to show all the angles of your face. If you can’t perform the full range of head motion, you can still set up Face ID without moving your head.

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1. Go to Settings > Face ID & Passcode.

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2. Position your face within the frame, then tap Accessibility Options.

Face ID is still secure but requires more consistency in how you look at iPad.

Change attention settings

For additional security, Face ID is *attention aware*. It unlocks iPad only when your eyes are open and looking at the screen. iPad can also reveal notifications and messages, keep the screen lit when you're reading, or lower the volume of alerts.

If you don't want iPad to check for your attention, do the following:

1. Go to Settings > Face ID & Passcode.
2. Turn off any of the following:
   - Require Attention for Face ID
   - Attention Aware Features

   These settings are turned off by default if you turn on VoiceOver when you first set up iPad.

Note: Requiring attention makes Face ID more secure.

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Interaction

Switch Control

Set up Switch Control on iPad

If you have a motor impairment, you can use Switch Control to operate iPad using one or more switches. With switches, you can select, tap, drag, type, and even freehand draw. You use a switch to select an item or location on the screen, then use the same (or a different) switch to choose an action.

Add a switch

You can use any of the following sources as a switch:

- *An external adaptive switch:* Choose a Bluetooth switch or Made For iPhone (MFi) switch that plugs into the Lightning connector on iPad.
- *The iPad screen:* Tap the screen to trigger the switch.
- *The iPad front-facing camera:* Move your head left or right while facing the camera to trigger the switch.

Before you add an external switch, connect it to iPad. Follow the instructions that came with the switch. If the switch connects using Bluetooth, pair it with iPad—turn on the switch, go to Settings > Bluetooth, tap the switch, then follow the onscreen instructions. See Connect Bluetooth devices to iPad.

1. Go to Settings > General > Accessibility > Switch Control > Switches.
2. Tap Add New Switch, then choose a source.
3. Assign an action to the switch.

   To ensure Switch Control functions correctly, you must assign the Select Item action to at least one switch.

Choose a scanning style and customize Switch Control

You can adjust the behavior of Switch Control in a variety of ways, to suit your specific needs and style.

1. Go to Settings > General > Accessibility > Switch Control.
2. Tap Scanning Style, then choose one of the following:

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- *Auto Scanning:* The focus automatically moves to the next item after a specified duration.
- *Manual Scanning:* You trigger a switch to move the focus to the next item (requires multiple switches).
- *Single Switch Step Scanning:* You trigger a switch to move the focus to the next item; if no action is taken with a specified duration, the item with the focus is automatically activated.

3. Customize Switch Control in the following ways:
   - Add switches and specify their function.
   - Create, edit, and choose recipes to temporarily assign special actions to switches.
   - Adjust the scanning speed.
   - Set scanning to pause on the first item in a group.
   - Choose how many times to cycle through the screen before hiding Switch Control.
   - Choose a tap behavior and set the interval for performing a second switch action to show the Scanner Menu.
   - Choose whether Switch Control resumes scanning at an item you tap or from the beginning.
   - Set whether a movement action is repeated when you press and hold a switch, and how long to wait before repeating.
   - Assign another action to a switch by pressing and holding the switch for a long duration.
   - Choose the actions shown in the Scanner Menu and the order in which they appear.
   - Set whether and how long you need to hold a switch down before it's accepted as a switch action.
   - Ignore accidental repeated switch triggers.
   - Adjust the point scanning style and speed.
   - Turn on sound effects.
   - Speak items as they are scanned.
   - Group items for faster scanning.

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- Make the selection cursor larger or a different color.
- Create and save custom gestures to the Scanner Menu.

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Turn Switch Control on or off

Important: Switch Control changes the gestures you use to control iPad.

To turn Switch Control on or off, use any of the following methods:

- Go to Settings > General > Accessibility > Switch Control, then turn the setting on or off.
- Triple-click the top button (iPad Pro (11-inch) and iPad Pro (12.9-inch) (3rd generation)).
- Triple-click the Home button (models with the Home button).
- Use Control Center.

Use Switch Control on iPad

With Switch Control, there are two methods to select an item on the screen:

- *Item scanning:* The focus moves (automatically or manually) from one item to the next until you select an item; this is the default scanning method.
- *Point scanning:* You select an item on the screen by pinpointing it with scanning crosshairs.

After you select an item, you can choose an action (for example, tap, drag, or pinch) in the Scanner Menu.

Use item scanning

With item scanning, the focus sequentially moves from one item to the next item on the screen.

1. If you use Auto Scanning, watch or listen as the focus moves. If you use Manual Scanning, trigger your Move to Next Item switch to move the focus.
2. When the focus surrounds the item you want, trigger your Select Item switch.
3. In the Scanner Menu, choose an action such as the following:
   - Tap
   - Gestures

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- Scroll
- Media Controls
- More (the dots at the bottom of the menu) for more options
- Home (to return to the Home screen)
- Device (for other hardware actions)
- Settings (to adjust Switch Control behavior)

The available actions in the Scanner Menu depend on the selected item.

To dismiss the Scanner menu without choosing an action, trigger your switch while the original item is highlighted and all the icons in the Scanner Menu are dimmed.

Switch from item scanning to point scanning

Point scanning lets you select an item on the screen by pinpointing it with scanning crosshairs.

1. Use item scanning to select an item.
2. In the Scanner Menu, choose Point Mode.
3. To position the vertical crosshair:
    a. Trigger your Select Item switch when the wide vertical band is over the item you want.
    b. Trigger your Select Item switch again when the fine vertical line is over the item.
4. Repeat to position the horizontal crosshair.
5. Choose an action from the Scanner Menu.

To return to item scanning, choose Item Mode from the Scanner Menu.

Use AssistiveTouch on iPad

AssistiveTouch helps you use iPad if you have difficulty touching the screen or pressing the buttons. You can use AssistiveTouch without any accessory to perform actions or gestures that are difficult for you. You can also use a compatible adaptive accessory (such as a joystick) together with AssistiveTouch to control iPad.

With AssistiveTouch, you can use a simple tap (or the equivalent on your accessory) to perform actions such as the following:

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- Open the AssistiveTouch menu
- Go to the Home screen
- Double-tap
- Perform multifinger gestures
- Summon Siri
- Access Control Center, notifications, Lock screen, or App Switcher
- Adjust volume on iPad
- Shake iPad
- Take a screenshot
- Use Apple Pay (on models that support Apple Pay)
- Speak screen
- Control Analytics
- Restart iPad

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Set up AssistiveTouch

1. Go to Settings > General > Accessibility > AssistiveTouch.
2. Turn on AssistiveTouch.
3. To customize AssistiveTouch, tap any of the following:
    - *Customize Top Level Menu:* The menu can have up to eight actions.
    - *Single-Tap, Double-Tap, or Long Press:* Assign custom actions that run when you interact with the menu button.
    - *Idle Opacity:* Adjust the visibility of the menu button when not in use.
    - *Create New Gesture:* Add your favorite gestures.

Tip: To turn AssistiveTouch on or off quickly, triple-click the top button or triple-click the Home button.

Ask Siri. Or say something like: "Hey Siri, turn on AssistiveTouch" or "Hey Siri, turn off AssistiveTouch." Learn how to ask Siri.

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Move the AssistiveTouch menu button Draft

Drag the menu button to a new location on the screen.

Use AssistiveTouch

Tap the menu button, then choose an action or gesture.

For a multifinger gesture, do the following:

- *Pinch:* Tap Custom, then tap Pinch. When the pinch circles appear, touch anywhere on the screen to move the pinch circles, then drag them in or out to perform a pinch gesture. When you finish, tap the menu button.
- *Multifinger swipe or drag:* Tap Device > More > Gestures, then tap the number of digits needed for the gesture. When the circles appear on the screen, swipe or drag in the direction required by the gesture. When you finish, tap the menu button.

To return to the previous menu, tap the arrow in the center of the menu. To exit the menu without performing a gesture: Tap anywhere outside the menu.

Create custom gestures

You can add your favorite gestures (such as touch and hold or two-finger rotation) to the AssistiveTouch menu. You can even create several gestures with different degrees of rotation.

1. Settings > General > Accessibility > AssistiveTouch > Create New Gesture.
2. Perform your gesture on the recording screen. For example:
   - *Touch-and-hold gesture:* Touch and hold your finger in one spot until the recording progress bar reaches halfway, then lift your finger. Be careful not to move your finger while recording, or the gesture will be recorded as a drag.
   - *Two-finger rotation gesture:* Rotate two fingers on the iPad screen around a point between them. (You can do this with a single finger or stylus—just create each arc separately, one after the other.)

   If you record a sequence of taps or drags, they're all played back at the same time. For example, using one finger or a stylus to record four separate, sequential taps at four locations on the screen creates a simultaneous four-finger tap.
3. If your gesture doesn't turn out quite right, tap Cancel, then try again.
4. When you're satisfied with your gesture, tap Save, then name the gesture.

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To use your custom gesture, tap the AssistiveTouch menu button, tap Custom, then choose the gesture. When the blue circles representing your gesture appear, drag them to where you want to use the gesture, then release.

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Use touch accommodations on iPad

If you have trouble using the touchscreen or buttons, you can change how iPad responds to your touch.

Use touch accommodations

1. Go to Settings > General > Accessibility > Touch Accommodations.
2. You can configure iPad to do any of the following:
   - *Respond to touches of a certain duration:* Turn on Hold Duration, then tap − or + to adjust the duration (the default is 0.10 seconds).

     To perform swipe gestures without waiting for the specified hold duration, tap Swipe Gestures, then turn on Swipe Gestures. You can choose the amount of required movement before a swipe gesture begins.
   - *Ignore multiple touches:* Turn on Ignore Repeat, then tap − or + to adjust the amount of time allowed between multiple touches. Then, if you touch the screen several times quickly, iPad treats the touches as one.
   - *Respond to the first or last place you touch:* Choose Use Initial Touch Location or Use Final Touch Location.

     If you choose Use Initial Touch Location, iPad uses the location of your first tap—when you tap an app on the Home screen, for example. If you choose Use Final Touch Location, iPad registers the tap where you lift your finger. iPad responds to a tap when you lift your finger within a certain period of time. Tap − or + to adjust the timing. Your device can respond to other gestures, such as drags, if you wait longer than the gesture delay.

Choose how iPad responds when you press and hold the Home or top button

1. Go to Settings > General > Accessibility > Home Button (models with the Home button) or Top Button (other models).
2. Choose Siri or Off.

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Use accessibility features with Siri on iPad

Siri is often the easiest way to start using accessibility features with iPad. With Siri, you can open apps, turn many settings on or off, or use Siri for what it does best—acting as your intelligent personal assistant.

Ask Siri. Say something like: “Turn on VoiceOver” or “Turn off VoiceOver.” Learn how to ask Siri.

Siri knows when VoiceOver is on, so will often read more information back to you than appears on the screen. You can also use VoiceOver to read what Siri shows on the screen.

Type instead of speaking to Siri

1. Go to Settings > General > Accessibility > Siri, then turn on Type to Siri.
2. To make a request, summon Siri, then interact with Siri by using the keyboard and text field.

Adjust software and hardware keyboard settings on iPad

If you have difficulty distinguishing characters on the iPad keyboard or manipulating a hardware keyboard, you can adjust settings such as the key repeat rate.

Tip: Rotate iPad to landscape view to use a larger keyboard.

Change the keyboard settings for accessibility

1. Go to Settings > General > Accessibility > Keyboard.
2. Do any of the following:
   - Show only uppercase keys on the iPad keyboard.
   - Adjust the key repeat rate on hardware keyboards.
   - Use Sticky Keys to press and hold modifier keys, such as Command and Option, as you press another key.
   - Use Slow Keys to adjust the time between when a key is pressed and when it’s activated.

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Change Apple Pencil (2nd generation) settings

If you have trouble using the gestures for Apple Pencil (2nd generation) on iPad Pro (11-inch) and iPad Pro (12.9-inch) (3rd generation), you can adjust the settings.

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1. Go to Settings > General > Accessibility > Apple Pencil.
2. Do any of the following:
   - Turn off Apple Pencil Gestures.
   - Change the duration of the double tap gesture to Slow or Slowest.

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Hearing

Use hearing devices with iPad

You can use Made for iPhone (MFi) hearing aids or sound processors with iPad and adjust their settings.

Pair a hearing device with iPad

If your hearing devices aren't listed in Settings > General > Accessibility > MFi Hearing Devices, you need to pair them with iPad.

1. Open the battery door on each hearing device.
2. On iPad, go to Settings > Bluetooth, then make sure Bluetooth is turned on.
3. Go to Settings > General > Accessibility > MFi Hearing Devices.
4. Close the battery doors on your hearing devices.
5. When their names appear in the list of devices (this could take a minute), tap the names and respond to the pairing requests.

   Pairing can take as long as 60 seconds—don't try to stream audio or otherwise use the hearing devices until pairing is finished. When pairing is finished, you hear a series of beeps and a tone, and a checkmark appears next to the hearing devices in the Devices list.

You need to pair your devices only once (and your audiologist might do it for you). After that, your hearing devices automatically reconnect to iPad whenever they turn on.

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Adjust the settings and view the status of your hearing devices

- *In Settings:* Go to Settings > General > Accessibility > MFi Hearing Devices.
- *Use accessibility shortcuts:* See Use accessibility shortcuts on iPad.
- *On the Lock screen:* Go to Settings > General > Accessibility > MFi Hearing Devices, then turn on Control on Lock Screen. From the Lock screen, you can do the following:
  - Check battery status.
  - Adjust ambient microphone volume and equalization.
  - Choose which hearing aids (left, right, or both) receive streaming audio.
  - Control Live Listen.

Use your hearing devices with more than one iOS device

If you pair your hearing devices with more than one iOS device (both iPhone and iPad, for example), the connection for your hearing devices automatically switches from one to the other when you do something that generates audio on the other device, or when you receive a phone call on iPhone. Changes you make to hearing device settings on one device are automatically sent to your other iOS devices.

1. Sign in to iCloud using the same Apple ID on all the devices.
2. Connect all the devices to the same Wi-Fi network.

Turn on Hearing Aid Compatibility

Hearing Aid Compatibility may reduce interference and improve audio quality with some hearing aid models.

1. Go to Settings > General > Accessibility.
2. Turn on Hearing Aid Compatibility.

Stream audio from iPad to your hearing devices

Stream audio from iPad and its apps to your hearing devices. You can even use Live Listen to stream sound from the microphone to your Made For iPhone (MFi) hearing devices or AirPods.

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Stream audio to your hearing devices

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To stream audio from Siri, Music, TV, Videos, and more, see Connect Bluetooth devices to iPad.

Route audio calls

You can automatically route the audio of incoming or outgoing phone or FaceTime calls to your headphones, speaker, or hearing devices.

1. Go to Settings > General > Accessibility > Call Audio Routing.
2. Choose Automatic, Speaker, or your hearing devices to determine where audio is heard during a call.
3. To have iPad answer calls automatically, tap Auto-Answer Calls, turn on Auto-Answer Calls, then tap − or + to set the duration of time before the call is answered.

During a call, you can switch the audio routing from your hearing aid to the iPad speaker by removing the hearing aid from your ear. See Use hearing devices with iPad.

Use iPad as a remote microphone with Live Listen

Stream sound from the microphone on iPad to your Made For iPhone (MFi) hearing devices or AirPods. This can help you hear better in some situations—for example, when having a conversation in a noisy environment.

1. If you're using AirPods, place them in your ears.
2. Turn on Live Listen with one of the following methods:
   - Open Control Center, tap , tap your hearing device or AirPods, then turn on Live Listen.

     (If you don't see , add it to Control Center—go to Settings > Control Center > Customize Controls, then choose Hearing.)
   - Triple-click the Home button (models with the Home button) or triple-click the top button (other models), tap Hearing Devices, then tap Live Listen.
3. Position iPad near the sound source.

Set up and use RTT on iPad

With real-time text (RTT) and Wi-Fi calling on your iPhone, you can also make and receive RTT calls in the FaceTime app on your iPad.

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Important: RTT isn't supported by all carriers or in all regions. RTT functionality depends on your carrier and network environment. When making an emergency call in the U.S., iPhone sends special characters or tones to alert the operator. The operator's ability to receive or respond to these tones can vary depending on your location. Apple doesn't guarantee that the operator will be able to receive or respond to an RTT call.

Set up RTT

1. Make sure you can make and receive Wi-Fi calls on iPad.
2. Go to Settings > General > Accessibility > RTT.
3. Turn on Software RTT, then do any of the following.
   - Tap Relay Number, then enter the phone number to use for relay calls using Software RTT/TTY.
   - Turn on Send Immediately to send each character as you type. Turn off to complete messages before sending.

   When RTT is turned on, ☎ appears in the status bar at the top of the screen.

Start an RTT call

1. In FaceTime, tap + at the top of the screen.
2. Type the name or number you want to call in the entry field at the top, then tap Audio .
3. Tap Call, then tap RTT Call.

Type text during an RTT call

1. Enter your message in the text field.

   If you turned on Send Immediately in Settings, your recipient sees each character as you type. Otherwise, tap to send the message.
2. To also transmit audio, tap .

Note: Standard voice call rates apply for RTT calls.

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Flash the LED for alerts on iPad Draft

On models with True Tone Flash, if you can't hear the sounds that announce incoming calls and other alerts, iPad can flash its LED (next to the camera lens on the back of iPad). The LED flashes only if iPad is locked.

Tip: LED Flash for Alerts is a useful feature for anyone who might miss the tones associated with calls and other alerts in a noisy environment.

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1. Go to Settings > General > Accessibility > LED Flash for Alerts, then turn on LED Flash for Alerts.
2. To prevent LED flashes when iPad is in silent mode, turn off Flash on Silent.

Adjust the volume balance and mono audio on iPad

You can adjust the audio volume balance between the left and right channels. You can also use Mono Audio to combine the left and right channels into a mono signal played on both channels. This way you can hear everything with either ear, or through both ears with one channel set louder.

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1. Go to Settings > General > Accessibility.
2. To adjust the audio volume balance, drag the Left Right Stereo Balance slider.
3. To combine the left and right channels, turn on Mono Audio.

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Media

Display subtitles and closed captions on iPad

When you play video content in the TV or Videos app, you can turn on subtitles and closed captions (if available). iPad usually shows standard subtitles and captions, but you can also choose special accessible captions—such as subtitles for the deaf and hard of hearing (SDH)—if available.

Turn on subtitles and captions in TV or Videos

1. While playing video content, tap .
2. Choose from the list of available subtitles and captions.

Customize the subtitles and captions

1. Go to Settings > General > Accessibility > Subtitles & Captioning.
2. If you prefer closed captioning or subtitles for the deaf and hard of hearing when available, turn on Closed Captions + SDH.

   This also turns on subtitles and captions in TV or Videos.
3. Tap Style, then choose an existing caption style or create a new style based on the following:

   - Font, size, and color
   - Background color and opacity
   - Text opacity, edge style, and highlight

Hear audio descriptions for video content on iPad

If you have video content that includes audio descriptions of scenes, iPad can play the descriptions for you.

1. Go to Settings > General > Accessibility > Audio Descriptions.
2. Turn on Prefer Audio Descriptions.

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Use Guided Access on iPad

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Guided Access helps you stay focused on a task by temporarily restricting iPad to a single app, and allowing you to control which app features are available. You can do any of the following:

- Disable areas of the screen that aren't relevant to a task, or areas where an accidental gesture might cause a distraction
- Disable the iPad hardware buttons
- Limit how long someone can use the app

Set up Guided Access

1. Go to Settings > General > Accessibility > Guided Access, then turn on Guided Access.
2. Tap Passcode Settings, tap Set Guided Access Passcode, then enter a passcode.

   You can also turn on Face ID (supported models) or Touch ID (supported models) as a way to end a Guided Access session.
3. Do any of the following:
   - Tap Time Limits to set a sound or have the remaining Guided Access time spoken before the time ends.
   - Set whether other accessibility shortcuts are available during a session.

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Start a Guided Access session Draft

1. Open the app you want to use.
2. Turn on Guided Access using one of the following methods:
   - Ask Siri. Say something like: "Hey Siri, turn on Guided Access." Learn how to ask Siri.
   - Use accessibility shortcuts.
3. Circle any areas of the screen you want to disable. Drag the mask into position or use the handles to adjust its size.
4. Tap Options, then turn on or off any of the following:
   - Top button (or Sleep/Wake button)
   - Volume Buttons
   - Motion (to prevent iPad from switching from portrait to landscape or from responding to other motions)
   - Keyboards
   - Touch
   - Time Limit
5. Tap Start.

End the Guided Access session

Do any of the following:

- *Models with the Home button:* Double-click the Home button, then unlock with Touch ID (if enabled). Or triple-click the Home button, then enter the Guided Access passcode.
- *Other models:* Double-click the top button, then unlock with Face ID (if enabled). Or triple-click the top button, then enter the Guided Access passcode.

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Safety, handling, and support

Important safety information for iPad

WARNING: Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to iPad or other property. Read all the safety information below before using iPad.

Handling Handle iPad with care. It is made of metal, glass, and plastic and has sensitive electronic components inside. iPad or its battery can be damaged if dropped, burned, punctured, or crushed, or if it comes in contact with liquid. If you suspect damage to iPad or the battery, discontinue use of iPad, as it may cause overheating or injury. Don't use iPad with a cracked screen, as it may cause injury. If you're concerned about scratching the surface of iPad, consider using a case or cover.

Repairing Don't open iPad and don't attempt to repair iPad yourself. Disassembling iPad may damage it or may cause injury to you. iPad Pro (11-inch) and iPad Pro (12.9-inch) (3rd generation) contain lasers that could be damaged during repair or disassembly, which could result in hazardous exposure to infrared laser emissions that are not visible. If iPad is damaged, malfunctions, or comes in contact with liquid, contact Apple or an Apple Authorized Service Provider. Repairs by service providers other than Apple or an Apple Authorized Service Provider may not involve the use of Apple genuine parts and may affect the safety and functionality of the device. You can find more information about repairs and service at the iPad Repair website.

Battery Don't attempt to replace the iPad battery yourself. The lithium-ion battery in iPad should be replaced by Apple or an authorized service provider. Improper replacement or repair could damage the battery, cause overheating, or result in injury. The battery must be recycled or disposed of separately from household waste. Don't incinerate the battery. For information about battery services and recycling, see the Battery Service and Recycling website.

Distraction Using iPad in some circumstances may distract you and might cause a dangerous situation (for example, avoid using headphones while riding a bicycle and avoid typing a text message while driving a car). Observe rules that prohibit or restrict the use of mobile devices or headphones.

Navigation Maps depends on data services. These data services are subject to change and may not be available in all regions, resulting in maps and location-based information that may be unavailable, inaccurate, or incomplete. Compare the information provided in

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Maps to your surroundings. Use common sense when navigating. Always observe current road conditions and posted signs to resolve any discrepancies. Some Maps features require Location Services.

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Charging Charge iPad with the included USB cable and power adapter. You can also charge iPad with "Made for iPad" or other third-party cables and power adapters that are compliant with USB 2.0 or later and with applicable country regulations and international and regional safety standards, including the International Standard for Safety Information Technology Equipment (IEC 60950-1). Other adapters may not meet applicable safety standards, and charging with such adapters could pose a risk of death or injury.

Using damaged cables or chargers, or charging when moisture is present, can cause fire, electric shock, injury, or damage to iPad or other property. When you use the Apple USB power adapter to charge iPad, make sure the USB cable is fully inserted into the power adapter before you plug the adapter into a power outlet. It's important to keep iPad and its power adapter in a well-ventilated area when in use or charging.

Charging cable and connector Avoid prolonged skin contact with the charging cable and connector when the charging cable is connected to a power source because it may cause discomfort or injury. Sleeping or sitting on the charging cable or connector should be avoided.

Prolonged heat exposure iPad and its USB power adapter comply with applicable surface temperature standards and limits defined by the International Standard for Safety of Information Technology Equipment (IEC 60950-1). However, even within these limits, sustained contact with warm surfaces for long periods of time may cause discomfort or injury. Use common sense to avoid situations where your skin is in contact with a device or its power adapter when it's operating or connected to a power source for long periods of time. For example, don't sleep on a device or power adapter, or place them under a blanket, pillow, or your body, when it's connected to a power source. Keep your iPad and its power adapter in a well-ventilated area when in use or charging. Take special care if you have a physical condition that affects your ability to detect heat against the body.

USB power adapter To operate the Apple USB power adapter safely and reduce the possibility of heat-related injury or damage, plug the power adapter directly into a power outlet. Don't use the power adapter in wet locations, such as near a sink, bathtub, or shower stall, and don't connect or disconnect the power adapter with wet hands. Stop using the power adapter and any cables if any of the following conditions exist:

- The power adapter plug or prongs are damaged.
- The charge cable becomes frayed or otherwise damaged.
- The power adapter is exposed to excessive moisture, or liquid is spilled into the power adapter.

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- The power adapter has been dropped, and its enclosure is damaged.

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USB power adapter specifications:

Frequency	50 to 60 Hz, single phase
Line voltage	100 to 240 Vac
Output voltage	Refer to the output marking on the power adapter

Hearing loss Listening to sound at high volumes may damage your hearing. Background noise, as well as continued exposure to high volume levels, can make sounds seem quieter than they actually are. Turn on audio playback and check the volume before inserting anything in your ear. For information about how to set a maximum volume limit on iPad, see Play music on iPad. For more information about hearing loss, see the Sound and Hearing website.

To avoid hearing damage, use only compatible receivers, earbuds, headphones, speakerphones, or earpieces with iPad. The headsets sold with iPhone 5s or later in China (identifiable by dark insulating rings on the plug) are designed to comply with Chinese standards and are only compatible with iPhone 5s and later, iPad Air and later, iPad Pro, iPad mini 2 and later, and iPod touch 6th generation and later.

WARNING: To prevent possible hearing damage, do not listen at high volume levels for long periods.

Radio frequency exposure iPad uses radio signals to connect to wireless networks. For information about radio frequency (RF) energy resulting from radio signals, and steps you can take to minimize exposure, go to Settings > General > About > Legal > RF Exposure, or see the RF Exposure website.

Radio frequency interference Observe signs and notices that prohibit or restrict the use of mobile devices. Although iPad is designed, tested, and manufactured to comply with regulations governing radio frequency emissions, such emissions from iPad can negatively affect the operation of other electronic equipment, causing them to malfunction. When use is prohibited, such as while traveling in aircraft, or when asked to do so by authorities, turn off iPad, or use airplane mode or Settings > Wi-Fi and Settings > Bluetooth to turn off the iPad wireless transmitters.

Medical device interference iPad contains components and radios that emit electromagnetic fields. iPad also contains magnets along the left and right edges and back of the device and on the right side of the front glass, which may interfere with medical devices, such as pacemakers and defibrillators. The iPad Smart Cover, iPad Pro Smart Cover, iPad Pro Smart Keyboard, iPad Pro Smart Keyboard Folio, and Apple Pencil (each available separately) also contain magnets. These electromagnetic fields and magnets may interfere with medical devices. Consult your physician and medical device

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manufacturer for information specific to your medical device and whether you need to maintain a safe distance of separation between your medical device and iPad, the iPad Smart Cover, the iPad Pro Smart Cover, the iPad Pro Smart Keyboard, the iPad Pro Smart Keyboard Folio, and the Apple Pencil. If you suspect iPad is interfering with your medical device, stop using iPad.

Not a medical device iPad is not designed or intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease.

Medical conditions If you have any medical condition or experience symptoms that you believe could be affected by iPad or flashing lights (for example, seizures, blackouts, eyestrain, or headaches), consult with your physician prior to using iPad.

Explosive and other atmospheric conditions Charging or using iPad in any area with a potentially explosive atmosphere, such as areas where the air contains high levels of flammable chemicals, vapors, or particles (such as grain, dust, or metal powders), may be hazardous. Exposing iPad to environments having high concentrations of industrial chemicals, including near evaporating liquified gasses such as helium, may damage or impair iPad functionality. Obey all signs and instructions.

Repetitive motion When you perform repetitive activities such as typing, swiping, or playing games on iPad, you may experience discomfort in your hands, arms, wrists, shoulders, neck, or other parts of your body. If you experience discomfort, stop using iPad and consult a physician.

High-consequence activities This device is not intended for use where the failure of the device could lead to death, personal injury, or severe environmental damage.

Choking hazard Some iPad accessories may present a choking hazard to small children. Keep these accessories away from small children.

Important handling information for iPad

Cleaning Clean iPad immediately if it comes in contact with anything that may cause stains or other damage—for example, dirt or sand, ink, makeup, soap, detergent, acids or acidic foods, and lotions. To clean:

- Disconnect all cables, then do one of the following to turn iPad off:
  - *Models with the Home button:* Press and hold the top button until the slider appears, then drag the slider.
  - *Other models:* Simultaneously press and hold the top button and either volume button until the sliders appear, then drag the top slider.

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- *All models:* Go to Settings > General > Shut Down, then drag the slider.

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- Use a soft, slightly damp, lint-free cloth—for example, a lens cloth.
- Avoid getting moisture in openings.
- Don’t use cleaning products or compressed air.

The front of iPad is made of glass with a fingerprint-resistant oleophobic (oil-repellant) coating. This coating wears over time with normal usage. Cleaning products and abrasive materials will further diminish the coating and may scratch the glass.

Using connectors, ports, and buttons Never force a connector into a port or apply excessive pressure to a button, because this may cause damage that is not covered under the warranty. If the connector and port don’t join with reasonable ease, they probably don’t match. Check for obstructions and make sure that the connector matches the port and that you have positioned the connector correctly in relation to the port.

Lightning to USB Cable (for models with a Lightning connector) Discoloration of the Lightning connector after regular use is normal. Dirt, debris, and exposure to moisture may cause discoloration. If your Lightning cable or connector become warm during use or your iPad won’t charge or sync, disconnect it from your computer or power adapter and clean the Lightning connector with a soft, dry, lint-free cloth. Do not use liquids or cleaning products when cleaning the Lightning connector.

Lightning to USB Cable or USB-C Charge Cable (depending on model) Certain usage patterns can contribute to the fraying or breaking of cables. The included cable, like any other metal wire or cable, is subject to becoming weak or brittle if repeatedly bent in the same spot. Aim for gentle curves instead of angles in the cable. Regularly inspect the cable and connector for any kinks, breaks, bends, or other damage. Should you find any such damage, discontinue use of the cable.

Operating temperature iPad is designed to work in ambient temperatures between 32° and 95° F (0° and 35° C) and stored in temperatures between -4° and 113° F (-20° and 45° C). iPad can be damaged and battery life shortened if stored or operated outside of these temperature ranges. Avoid exposing iPad to dramatic changes in temperature or humidity. When you’re using iPad or charging the battery, it is normal for iPad to get warm.

If the interior temperature of iPad exceeds normal operating temperatures (for example, in a hot car or in direct sunlight for extended periods of time), you may experience the following as it attempts to regulate its temperature:

- iPad stops charging.
- The screen dims.

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- A temperature warning screen appears.
- Some apps may close.

Important: You may not be able to use iPad while the temperature warning screen is displayed. If iPad can't regulate its internal temperature, it goes into deep sleep mode until it cools. Move iPad to a cooler location out of direct sunlight and wait a few minutes before trying to use iPad again.

See the Apple Support article Keeping iPhone, iPad, and iPod touch within acceptable operating temperatures.

Zoom an app to fill the screen on iPad

Most apps for iPhone and iPod touch can be used with iPad, but they might not take advantage of the large screen. In this case, tap 2x to zoom in on the app. Tap 1x to return to the original size.

Check the App Store to see if there's a version of the app that's optimized for iPad, or a universal version that's optimized for iPhone, iPod touch, and iPad.

Get information about your iPad

View overall storage availability and storage used per app. Go to Settings > General > iPad Storage. See the Apple Support articles How to check the storage on your iPhone, iPad, and iPod touch and Manage your iCloud storage.

See battery usage. Go to Settings > Battery to see the elapsed time since iPad has been charged. You can also display battery level as a percentage. See Charge and monitor the iPad battery in this guide.

View cellular usage. Go to Settings > Cellular Data. See View or change cellular settings on iPad in this guide.

See more information about iPad. Go to Settings > General > About. The items you can view include:

- Name
- Network
- Number of songs, videos, photos, and apps
- Capacity and available storage space
- iOS version

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- (Cellular models) Carrier

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- Part and model number: To the right of Model, the part number appears. To see the model number, tap the part number.
- Serial number
- (Cellular models) Cellular Data Number
- Wi-Fi and Bluetooth addresses
- (Cellular models) IMEI (International Mobile Equipment Identity)
- (Cellular models) ICCID (Integrated Circuit Card Identifier, or Smart Card) for GSM networks
- (Cellular models) MEID (Mobile Equipment Identifier) for CDMA networks
- Modem firmware
- Legal (including legal notices, and license, warranty, and RF exposure information)

To copy the serial number and other identifiers, touch and hold the identifier until Copy appears.

To see regulatory marks, go to Settings > General > Regulatory.

View or turn off diagnostic information. Go to Settings > Privacy > Analytics.

To help Apple improve products and services, iPad sends diagnostic and usage data. This data doesn't personally identify you, but may include location information.

View or change cellular settings on iPad

Activate cellular data service on iPad (Wi-Fi + Cellular models), turn cellular use on or off, or add a Personal Identification Number (PIN) to lock the SIM card. With some carriers, you can also change your data plan.

Note: For help with cellular network services and billing, contact your wireless service provider.

If Cellular Data is off, all data services will use only Wi-Fi—including email, web browsing, push notifications, and other services. If Cellular Data is on, carrier charges may be incurred. For example, using certain features and services that transfer data, such as Messages, could result in charges to your data plan.

Turn Cellular Data on or off. Go to Settings > Cellular Data, then turn Cellular Data on or off. The following options may also be available:

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- *Monitor and manage your cellular data network usage:* You can see which apps use cellular data and turn off the option, if you want.
- *Turn LTE on or off:* Turning on LTE loads data faster.
- *Turn Data Roaming on or off:* Turning off Data Roaming avoids carrier charges when using a network provided by a different carrier.
- *Set up Personal Hotspot:* Personal Hotspot shares the Internet connection on iPad with your computer and other iOS devices. See Share your iPad Internet connection in this guide.
- *Turn Wi-Fi Assist on or off:* If Wi-Fi connectivity is poor, Wi-Fi Assist uses cellular data to boost the signal.

  Note: Using data over a cellular network may incur additional fees.

Set whether cellular data is used for apps and services. Go to Settings > Cellular Data, then turn Cellular Data on or off for any app that can use cellular data. If a setting is off, iPad uses only Wi-Fi for that service. The iTunes setting includes both iTunes Match and automatic downloads from the iTunes Store and the App Store.

Activate, view, or change your cellular data account. Go to Settings > Cellular Data, then tap Manage Account [*account name*] or Carrier Services.

Lock the SIM card. Go to Settings > Cellular Data, then tap SIM PIN. Locking the SIM card with a PIN means you need to enter the PIN to use a cellular connection on iPad.

For more information about GSM, CDMA, and LTE cellular data networks, see the Apple Support article About cellular data networks.

Learn more about iPad software and service

Refer to the following resources to get more iPad-related safety, software, service, and support information.

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To learn about	To this
Using iPad safely	See Important safety information for iPad.
iPad service and support, tips, forums, and Apple software downloads	See the iPad Support website.
The latest information about iPad	See the iPad website.
Getting personalized support (not available in all regions)	See the Apple Support website.
Managing your Apple ID account	Sign in to your Apple ID account page.
Using iCloud	See iCloud Help.
Using iTunes	See the iTunes Support website.
Using other Apple iOS apps	See the Apps Support website.
Finding your iPad serial number or IMEI	You can find your iPad serial number or International Mobile Equipment Identity (IMEI) on the iPad packaging. Or, on iPad, choose Settings > General > About. See the Apple Support article Find the serial number and other information on your iPhone, iPad or iPod touch.
Obtaining warranty service	First follow the advice in this guide, then see the iPad Support website.
Viewing iPad regulatory information	On iPad, go to Settings > General > Regulatory.
Battery service	See the Battery Service and Recycling website.
Using iPad in an enterprise environment	See the Apple at Work website.
Using iPad in education	See the Education website.

FCC compliance statement for iPad

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

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This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Important: Changes or modifications to this product not authorized by Apple could void the electromagnetic compatibility (EMC) and wireless compliance and negate your authority to operate the product.

This product has demonstrated EMC compliance under conditions that included the use of compliant peripheral devices and shielded cables between system components. It is important that you use compliant peripheral devices and shielded cables between system components to reduce the possibility of causing interference to radios, televisions, and other electronic devices.

Responsible party (contact for FCC matters only):

Apple Inc.
One Apple Park Way, MS 911-AHW
Cupertino, CA 95014
USA
www.apple.com/contact

ISED Canada compliance statement for iPad

This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

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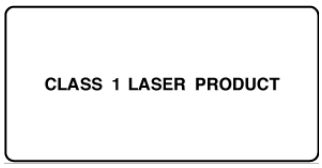
Le présent appareil est conforme aux CNR d'ISDE Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

La bande 5150–5250 MHz est réservée uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

Class 1 Laser information for iPad

iPad Pro (11-inch) and iPad Pro (12.9-inch) (3rd generation) are classified as Class 1 Laser products per IEC60825-1:2007 and IEC60825-1:2014. These devices comply with 21 CFR 1040.10 and 1040.11, except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007. Caution: These devices contain lasers. Use other than as described in the user guide, repair, or disassembly may cause damage, which could result in hazardous exposure to infrared laser emissions that are not visible. This equipment should be serviced by Apple or an authorized service provider.



Apple and the environment

At Apple, we recognize our responsibility to minimize the environmental impacts of our operations and products. For more information, see our Environment website.

Disposal and recycling information for iPad

Apple Recycling Program (available in some regions)

For free recycling of your old iPad, a prepaid shipping label, and instructions, see the Trade in with Apple GiveBack website.

This symbol indicates that this product and/or battery should not be disposed of with household waste. You must dispose of iPad properly according to local laws and regulations. When iPad 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

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return it to Apple. The battery will be removed and recycled in an environmentally friendly manner. For more information, see the Trade in with Apple GiveBack website. (In Australia, see the Trade in with Apple GiveBack (AU) website.)

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European Union—Disposal Information

The symbol above means that according to local laws and regulations your product and/or its battery shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product and/or its battery at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

Brasil – Informações sobre descarte e reciclagem

O símbolo acima indica que este produto e/ou sua bateria não devem ser descartados 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 substâncias de uso restrito, o programa de reciclagem da Apple, pontos de coleta e telefone de informações, visite www.apple.com/br/environment.

Información sobre eliminación de residuos y reciclaje

El símbolo de arriba indica que este producto y/o su batería no debe desecharse con los residuos domésticos. Cuando decida desechar este producto y/o su batería, hágalo de conformidad con las leyes y directrices ambientales locales. Para obtener información sobre el programa de reciclaje de Apple, puntos de recolección para reciclaje, sustancias restringidas y otras iniciativas ambientales, visite www.apple.com/la/environment o www.apple.com/mx/environment.

Turkey environmental information

Türkiye Cumhuriyeti: AEEE Yönetmeliğine Uygundur.

Battery service

The lithium-ion battery in iPad should be serviced by Apple or an authorized service provider. See the Battery Service and Recycling website.

Dispose of batteries according to your local environmental laws and guidelines.

Taiwan battery statement

廢電池請回收

警告：請勿戳刺或焚燒。此電池不含汞。

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China battery statement

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警告：不要刺破或焚烧。该电池不含水银。

ENERGY STAR® compliance statement for iPad

To save energy, iPad is set to lock after two minutes of user inactivity. To change this setting, go to Settings > Display & Brightness > Auto-Lock, then select an option. To unlock models with the Home button, press the top button or the Home button. To unlock other models, tap the screen or press the top button.

iPad meets the ENERGY STAR guidelines for energy efficiency. Reducing energy consumption saves money and helps conserve valuable resources; see the Energy Star website.

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apple.com

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