Take a Live Photo. (on supported models) A Live Photo captures what happens just before and after you take your photo, along with the audio. Choose Photo, tap ◎ to turn on Live Photos (yellow is on), then tap the Shutter button. Live photos are marked with "Live" in the corner. You can edit Live Photos and add filters to them in the Photos app.

Live Photos works with the rear camera and the FaceTime camera.

Take Burst shots. (on supported models) With the camera in Photo or Square mode, touch and hold the Shutter button to take rapid-fire photos in bursts. Lift your finger to stop. The counter shows how many shots you've taken. To see the suggested shots and select the photos you want to keep, tap the burst thumbnail, then tap Select. The gray dots below the thumbnails mark the suggested photos. To copy a photo from the burst as a separate photo in Photos, tap the circle in the lower-right corner of the photo. To delete the burst of photos, tap the bursts thumbnail, then tap 🗑. To choose which burst photos to upload to your Photo Stream, go to Settings > Photos.

Take a selfie with Retina Flash. (on supported models) Use the Retina HD display as a flash for your selfies. Turn on the flash, switch to the FaceTime camera, then tap the Shutter button (the display flashes on exposure).

Take a panorama photo. (rear camera) Choose Pano, tap the Shutter button, then pan slowly in the direction of the arrow. To finish the pan, tap the button again. To pan in the other direction, first tap the arrow. To pan vertically, rotate iPad to landscape orientation. You can reverse the direction of a vertical pan, too.

Use the capture timer. Use the capture timer to give yourself time to be in the shot. First set up iPad where you want, then frame your shot. Tap ⏱, tap 3s or 10s, then tap the Shutter button.

Preserve camera settings. You can preserve the last camera mode setting you used so it's not reset when you next open Camera. Go to Settings > Camera > Preserve Settings, then turn on Camera Mode. You can also preserve Live Photos settings on supported models.

Read a QR code. Camera automatically detects a QR code when it's in the picture frame. Tap the notification that appears to go to the relevant website or app.

Take a screenshot. To capture what's displayed on your screen, simultaneously press and then release the Home button and the Sleep/Wake button. Tap the screenshot, tap Done, then choose Save to Photos or Delete Screenshot. If you save the screenshot, you can view it in the Screenshots album or in the All Photos album if you're using iCloud Photo Library.

Adjust shutter-sound volume. Adjust the volume of the shutter sound using the Ringer and Alerts settings in Settings > Sounds. Or mute the sound using the volume down button or the Ring/Silent switch, if your iPad has one. (In some countries muting is disabled.)

Adjust for the perfect shot

About auto exposure and face detection. When you're taking a picture, a rectangle may briefly appear to indicate where the automatic exposure is set. When you photograph people, face detection balances the exposure across many faces. A rectangle appears for each face detected.

Lock the focus and exposure. Exposure is automatic, but you can set the exposure manually for the next shot by tapping an object or area on the screen. To lock the exposure and focus, touch and hold until the rectangle pulses. The screen indicates when exposure and focus are locked. Take as many photos as you want. When you tap the screen again, exposure and focus unlock, and the automatic settings and face detection turn back on.

Note: Tapping the screen sets the focus and the exposure, and face detection is temporarily turned off.

Adjust the exposure. Tap to see ☀ next to the exposure rectangle, then slide up or down to adjust the exposure.

Turn the flash on or off. Tap ⚡. The flash on the back of your device also provides extra light when you need it. To use the flash as a flashlight, open Control Center, then tap the Flashlight button.

Make it better. You can edit photos and trim videos, right on iPad. See Edit photos and trim videos.

Shoot video

With Camera you can shoot video, including slow-motion and time-lapse videos.

Record a video. Choose Video, then tap the Record button or press either volume button to start and stop recording.

Change the frame rate and video resolution settings. Go to Settings > Camera > Record Video. By default, video records at 30 fps (frames per second). Depending on your model, you can choose other frame rates and video resolution settings. The faster the frame rate and the higher the resolution, the larger the resulting video file.

Snap a still while recording. Tap the white Shutter button.

Take it slow. (rear camera) Choose Slo-mo to capture slow-motion video (on supported models). When you edit the video you can set just a portion of it to play back in slow motion, and the rest plays back at regular speed. To change the Slo-mo settings, go to Settings > Camera > Record Slo-mo.

Set the slow-motion section of a video. Tap the video thumbnail, then tap Edit. Slide the vertical bars beneath the frame viewer to define the section you want to play back in slow motion. Tap Done.

Slide to adjust the slow-motion section of the video.
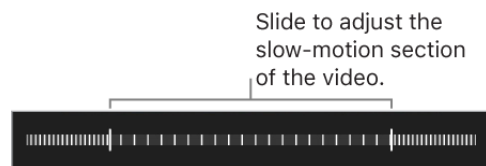
Zoom in or out when shooting video. (rear camera) Pinch the image on the screen open to zoom in, and pinch closed to zoom out.

Capture an experience with time-lapse. Choose Time-Lapse, set up iPad where you want, then tap the Record button to start capturing a sunset, traffic flowing, or other experiences over a period of time. Tap the Record button again to stop. The time-lapse photos are compiled into a short video.

With iOS 9 and later, time-lapse videos have video stabilization, which minimizes the effect of camera movement during capture.

HDR

HDR (High Dynamic Range) helps you get great shots in high-contrast situations. iPad takes three photos in rapid succession at different exposures—then blends them together. The resulting photo has better detail in the bright and midtone areas.

Use HDR. (On supported models) Tap HDR. For best results, keep iPad steady and avoid subject motion.

On some models, you can choose HDR Auto so iPad uses HDR when it's most effective.

Keep only the HDR version. Go to Settings > Camera, then turn off Keep Normal Photo (by default, both the normal and HDR versions of the photo appear in Photos). In your albums, HDR versions of photos are marked with "HDR" in the corner.

Note: By default, both the normal and HDR versions of the photo appear in Photos.

View, share, and print

Photos and videos you take on iPad are saved in Photos. With iCloud Photo Library turned on, all new photos and videos are automatically uploaded and available in Photos on all your devices with iOS 8.1 or later that are set up with iCloud Photo Library. When iCloud Photo Library is turned off, you can still collect up to 1000 of your most recent photos in the My Photo Stream album from your devices set up with iCloud.

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

View your photos. In Camera, tap the thumbnail image that appears below the Shutter button, then swipe left or right to see the photos you've taken recently. Tap All Photos to see everything in the Photos app.

Tap the screen to show or hide the controls.

**View sharing and printing options.** While viewing an image, tap ⬆️. See Share from apps.

Upload photos and videos. Use iCloud Photo Library to upload photos and videos from your iPad to iCloud. You can access them on your devices with iOS 8.1 or later where you're signed in to iCloud using the same Apple ID. You can also upload and download your photos and videos from the Photos app on iCloud.com.

Sync photos and videos to iPad from your Mac. Use the Photos settings pane in iTunes. See Sync iPad.

Contacts

Manage contacts

With Contacts, you can view and edit your contacts lists from personal, business, and other accounts. You can also create contacts and set up a contact card with your own information.

Send a message.

Make a FaceTime call.

Open in Maps.
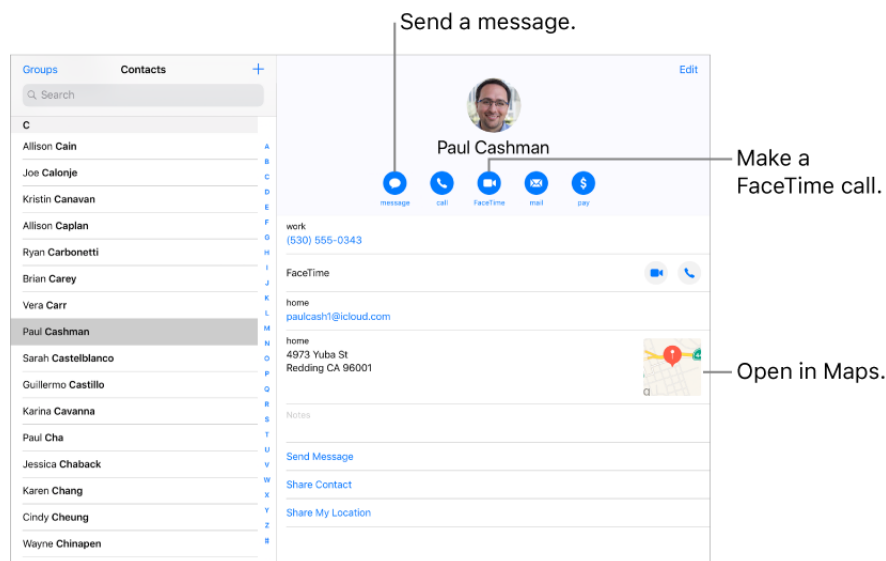
Create a new contact. Tap ╋.

iPad automatically suggests new contacts from messages you receive in Mail and invitations in Calendar, and from other apps. To turn this feature off, go to Settings > Contacts > Siri & Search, then turn off Find Contacts in Other Apps.

Allow incoming texts or calls from a specific contact even if Do Not Disturb is on. Tap the contact, tap Edit, tap Ringtone or Text Tone, then turn on Emergency Bypass.

Ask Siri. Say something like:

- "What's my brother's work address?"

- "Sarah Castelblanco is my sister"

- "Send a message to my sister"

Allow calls or texts from a contact to override Do Not Disturb. Tap the contact, tap Edit, tap Ringtone or Text Tone, then turn on Emergency Bypass.

Find a contact. Tap the search field at the top of the contacts list, then enter your search. You can also search your contacts using Search (see Search).

Quickly reach a contact. Tap one of the buttons below the contact's name to start a message, call, video call, or email. To change the default contact method (for a call, for example), touch and hold the call button, then tap a phone number.

If you use a third-party app to make video or audio calls, send messages, or send email, you may be able to set that app as the default.

Change how your contacts are sorted and displayed. Go to Settings > Contacts.

Share a contact. Tap a contact, then tap Share Contact. See Share from apps. Sharing a contact shares all the info from the contact's card.

Assign a photo to a contact. Tap a contact, tap Edit, then tap "add photo." You can take a photo or add one from the Photos app.

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

Add your friends' social profiles. While viewing a contact, tap Edit, then tap "add social profile."

Delete a contact. Go to the contact's card, then tap Edit. Scroll down, then tap Delete Contact.

Add your contact info

iPad uses your Apple ID to create your My Card, but you may need to provide your contact information to complete it.

Complete your My Card. Open Contacts, tap My Card at the top of your contacts list, then tap Edit. Contacts suggests addresses and phone numbers to help you set up your My Card.

If there is no My Card, tap $+$, then enter your information. To create a My Card with this information, go to Settings > Contacts, tap My Info, then tap your name in the Contacts list.

Edit your My Card. In Contacts, tap My Card at the top of your contacts list, then tap Edit.

Add contact accounts

Besides adding contacts individually, you can:

- *Use your iCloud contacts:* Go to Settings > [*your name*] > iCloud, then turn on Contacts.

- *Use your Google contacts:* Go to Settings > Accounts & Passwords. Tap Google, sign in to your account, then turn on Contacts.

- *Add contacts from another account:* Go to Settings > Accounts & Passwords > Add Account. Choose an account, sign in to it, then turn on Contacts

- *Access a Microsoft Exchange Global Address List:* Go to Settings > Accounts & Passwords. Tap Exchange, sign in to your Exchange account, then turn on Contacts.

- *Set up an LDAP or CardDAV account to access business or school directories:* Go to Settings > Accounts & Passwords > Add Account > Other. Tap Add LDAP Account or Add CardDAV Account, then enter the account information.

- *Sync contacts from your computer:* In iTunes on your computer, tap Info in the device info pane, then select Sync Contacts. For information, see iTunes Help.

- *Import contacts from a vCard:* Tap a .vcf attachment in an email or message.

Search a directory. Tap Groups, then tap the GAL, CardDAV, or LDAP directory you want to search. Tap Done, then enter your search. To save a person's info to your contacts, tap the person's name.

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

Hide duplicate contacts

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

Link contacts. If two entries for the same person aren't linked automatically, you can unify them manually. Tap one of the contacts, tap Edit, tap Link Contacts, choose the other contact entry to link to, then tap Link.
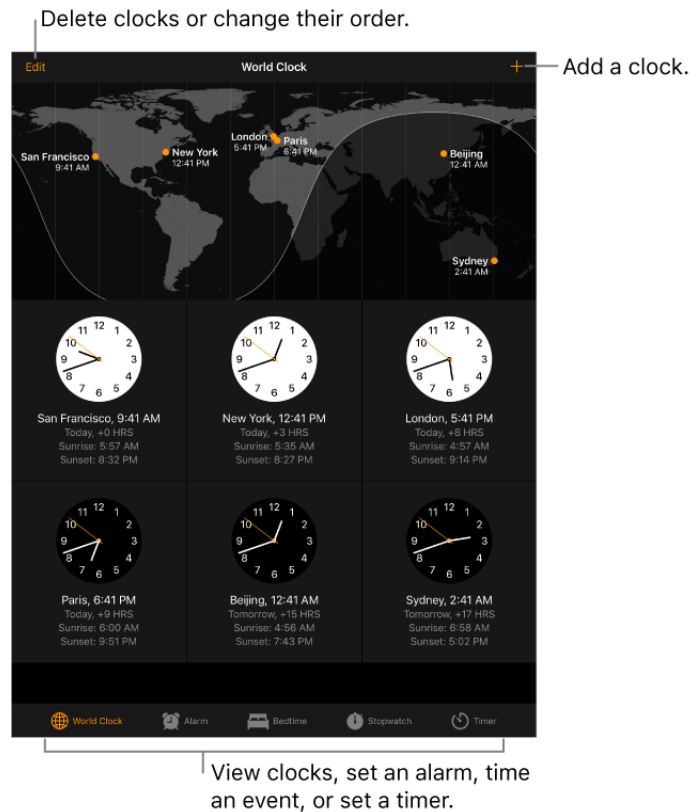
When you link contacts with different first or last names, the names on the individual cards don't change, but only one name appears on the unified card. To choose which name appears on the unified card, tap one of the linked cards, tap the contact's name on that card, then tap Use This Name For Unified Card.

Note: When you link contacts, those contacts aren't merged. If you change or add information in a unified contact, the changes are copied to each source account where that information already exists.

Clock

See the time in cities around the world

Use the Clock app to view the time in various locations around the world.

Delete clocks or change their order.

Add a clock.

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

Ask Siri. Say something like:

- "What time is it?"

- "What time is it in London?"

Manage your World Clock list. In the World Clock tab, tap Edit.

- *Add a city:* Tap ✛, then choose a city.

- *Delete a city:* Tap ⊖.

- *Reorder the cities:* Touch and hold a clock, then drag it to a new position.

Set an alarm or bedtime schedule

With the Clock app, you can set an alarm that plays a sound at a specific time. You can also set a bedtime schedule that reminds you when to go to sleep and plays a sound when it's time to wake up.

Ask Siri. Say something like:

- "Wake me up tomorrow at 7 a.m."

- "Set an alarm for 9 a.m. every Friday"

- "Turn off all my alarms"

Set an alarm. Tap Alarm, then tap ＋. Set the time and other options. To give the alarm a name (like "Water the plants") tap the label option.

Change an alarm. Tap Edit, then tap the alarm.

Delete an alarm. Swipe left on the alarm, then tap Delete.

Set a bedtime schedule. Tap Bedtime, then follow the instructions to set your sleep reminder and wake-up alarm. After you've done the initial setup, you can slide 🌙 and 🔔 to adjust your sleep and wake times. Tap Options to set the alarm days, wake-up sound, and volume. To turn Bedtime reminders off, tap the Bedtime switch.
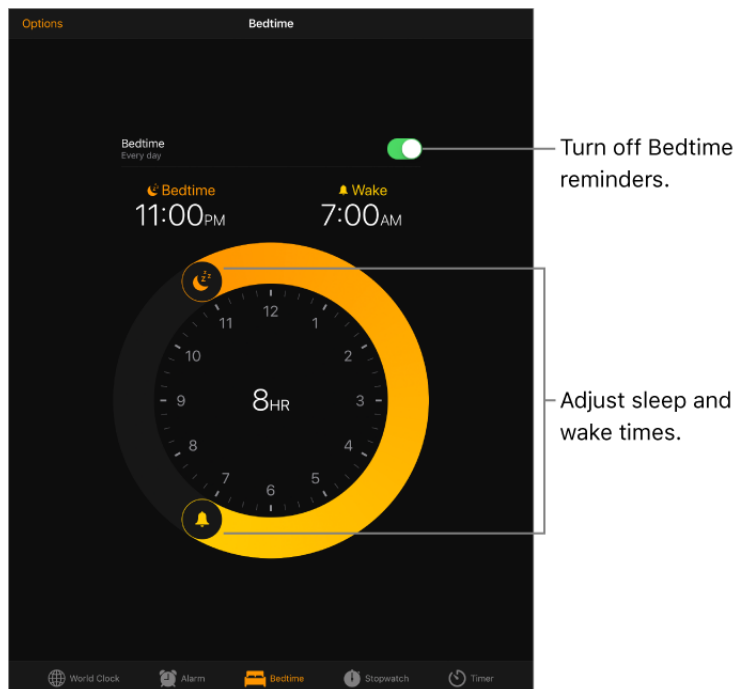
Fall asleep to music or a podcast. Tap Timer and set a duration of time. Then tap 🎵 and choose Stop Playing at the bottom.

Track time with the timer or stopwatch

In the Clock app, you can count down from a specified time with the timer or measure the duration of an event with the stopwatch.

Ask Siri. Say something like:

- "Set the timer for 3 minutes"

- "Stop the timer"

Set the timer. Tap Timer, then set the duration of time and a sound to play when the timer ends.

Tip: To quickly access the timer, open Control Center, then tap ⏲. You can access Timer from Control Center even when iPad is locked.

Measure the duration of an event and track lap times. Tap Stopwatch, then tap Start. Tap Lap to record a lap or split. The timing continues even if you return to the Home screen, open other apps, or press the Sleep/Wake button. Tap Stop to record the final time. When you finish, tap Reset to clear the stopwatch.

Switch between digital and analog stopwatch faces. Swipe the stopwatch.

Maps

Find places

Use the Maps app to get directions, find and explore new places, and more.

Choose the view.
Show your current location.
Weather in current location

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

Ask Siri. Say something like:

- "Find coffee near me"
- "Show me the Golden Gate Bridge"

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

Zoom in or out. Either pinch open or closed on the map, or double-tap and hold the map, then drag up to zoom in or down to zoom out. The scale appears at the top of the screen while you're zooming. To change how distance is shown (in miles or kilometers), go to Settings > Maps.

Find nearby attractions, services, and more. Tap the search field, tap a category such as Food or Shopping, then tap a result. (For availability, see the iOS Feature Availability website.)

Search for a location. Tap the search field. You can search for a location in different ways. For example:

- Intersection ("8th and Market")
- Area ("Greenwich Village")

- Landmark ("Guggenheim")

- Zip code

- Business ("movies," "restaurants San Francisco CA," "Apple Inc New York")

Maps may also list recent locations, searches, or directions that you can choose from.

Change the search area. Zoom in or out, or drag the screen to another area, then tap Search Here.

Get info about a location. Tap a location, then swipe up to view all of the information about it, or tap ⊗ to close the info display.

Use indoor maps to find your way around an airport or shopping mall. Go to the location, then tap Look Inside. Tap a category (like Food, Restrooms, or Clothes) on the left, then tap a result. Swipe up to see all results, listed alphabetically. To see a map of a different floor, tap the Floor Level button below ◁. Zoom in if you don't see the Floor Level button.

Add a favorite location. Tap a location, then tap ♡.

Book a table and more. If you've installed apps that have map extensions, you may be able to do things like make a reservation at a restaurant. Visit the App Store to find apps that work with Maps.

Choose your view. Tap ⓘ, then choose Map, Transit, or Satellite.

If transit information is unavailable, tap View Routing Apps to use an app for public or other modes of transportation.

Mark a location. Touch and hold the map until a marker appears.

Share a location

Tap a marker to display its info, then tap ⬆ and choose an option such as Mail or AirDrop. See Share from apps.

Get traffic and other info

Find out about traffic conditions. From Map or Satellite view, tap ⓘ, then turn on Traffic. Orange shows slowdowns, and red shows stop-and-go traffic. To see an incident report, tap an incident marker.

Get info about a location. Tap a location to display its information. Info might include Yelp reviews, a phone number, a webpage link, and more.

Find out about the weather. Zoom in until the weather icon, which shows current conditions for that area, appears in the lower-right corner.

Help improve Maps. To report an incorrect label, a missing location, or other issue, tap ⓘ, then tap Report an Issue.

Get directions

Note: To get directions, iPad must be connected to the Internet. To get directions involving your current location, Location Services must also be on. (See also Location Services.)

> **Ask Siri.** Say something like:

- "Give me directions home"

- "Transit directions to my dad's work"

- "What's my ETA?"

- "Find a gas station"

Find a route to a location. Tap a location to display its info, then tap Directions. Directions are from your current location. To get other directions, tap My Location, then enter a different location.

- *Choose a different route:* If multiple routes appear, tap the one you want to take.

- *See a driving, walking, or transit route:* Tap Drive, Walk, or Transit.

- *See detailed directions:* Tap Go.

In select cities, Maps provides public transportation information and multi-modal routing, from walking to a bus stop or train station to hopping off at your destination.

Tap to view the directions in a list.
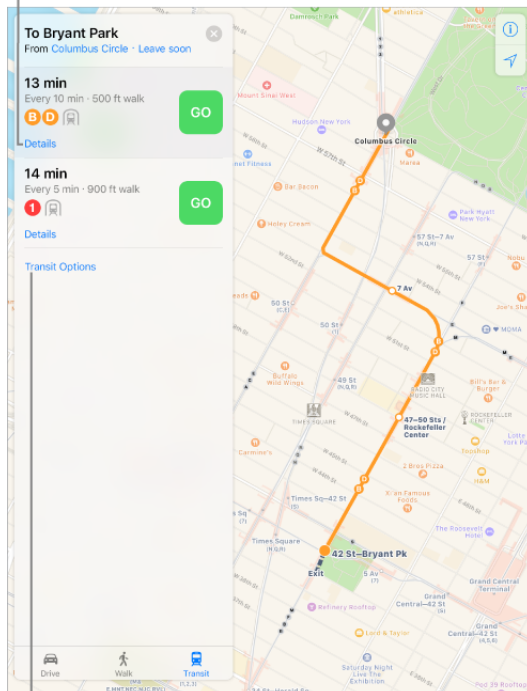
Tap for toll road and highway settings.

If transit route information is unavailable, tap View Routing Apps to use an app for other modes of transportation.

Mark a transit stop as a favorite. When viewing detailed route directions, tap a transit stop or station, then tap ♡ on the location card. To add the transit line to the Maps Transit widget in Today View, where you can quickly check the line's operating status, tap Add Line when asked.

Choose a transit time or date. Find a transit route, tap Leaving Soon to select a time or date for departure or arrival. Tap Transit Options to choose which transit vehicles to consider.

Share a route. Find a route, tap Share, then choose an option like Mail or AirDrop. See Share from apps.

Hear turn-by-turn driving directions (Wi-Fi + Cellular models). Find a drive route, then tap Go.

Maps follows your progress and speaks turn-by-turn directions to your destination. If iPad auto-locks, Maps stays onscreen and continues to announce directions.

- *See the route overview:* Tap the turn directions at the top of the screen. To change the map orientation so that the destination, instead of north, shows at the top, tap the map, then tap the compass in the top-right corner of the screen. To return to turn-by-turn directions, tap the turn direction in the top-left corner of the screen.

- *View directions as a list:* Tap the route card at the bottom of the screen, then tap Details.

Even if you open another app, Maps continues to give you turn-by-turn directions. To return to Maps, tap the banner across the top of the screen.

View turn-by-turn or stop-by-stop directions. Find a walk, transit, or (on Wi-Fi-only models) drive route, tap Go, then swipe each instruction left.

- *See the route overview:* Tap the route card at the bottom of the screen, then tap Overview. To zoom in, tap the route card, then tap Turn-by-turn (for drive and walk directions) or Zoom In (for transit directions).

- *View directions as a list:* Tap the route card at the bottom of the screen, then tap Details.

Stop turn-by-turn directions. Tap End.

Ask Siri. Say something like: "Stop navigating."

Make a quick detour. To add a stop along your route, tap the route card, then tap one of the suggested services, such as gas stations. Tap Go to add one to your route.

Use Maps on your Mac to get directions. Open Maps on your Mac (OS X 10.9 or later), get directions for your trip, then choose File > Share > Send to [*your device*]. Your Mac and iPad must both be set up with iCloud to use the same Apple ID.

You can also use Handoff to send directions from iPad to Mac. See Handoff.

Remove markers and routes

Remove a marker. Tap the marker, tap Edit Location, then tap Remove Marker.

Delete a route. Past routes are listed below the Search field. To remove one, swipe it to the left.

3D and Flyover

With 3D and Flyover, you can see three-dimensional views of, and even fly over, many of the world's major cities.

View a 3D map. Drag two fingers up. (Zoom in for a closer look if the 3D map doesn't appear.) For best effect, use the satellite view. Tap ⓘ, then tap Satellite.

Adjust the angle. Drag two fingers up or down.

See cities and landmarks from above with Flyover. Flyover is available for select cities and landmarks. Tap the name of a city (in Map or Satellite view) or tap the name of a landmark, then tap Flyover in the banner (Flyover Tour on iPad mini). To return to the map, tap ⊗.

On supported models, view a city or landmark from above:

- *Change viewing direction:* Point or tilt iPad in the direction you want to view.

- *Move around:* Drag a finger in any direction. To rotate perspective, touch and hold the screen with one finger, then continue holding it in place while you drag another finger around it.

- *Watch an aerial 3D tour:* Tap Start Tour or Start City Tour in the card at the bottom of the screen. (If you don't see the card, tap anywhere on the screen.)

Flyover cities are indicated by ③ⓓ next to their names in Map view. If you don't see ③ⓓ markers, zoom out, or if you're using Transit or Satellite view, tap ⓘ, then choose Map. Flyover locations are identified by the Flyover button in their banners.

Home

Home overview

Home provides a secure way to control and automate HomeKit-enabled accessories, such as lights, locks, thermostats, window shades, smart plugs, cameras, and more. With Home, you can control any "Works with Apple HomeKit" accessory using iPad.

Change home settings.
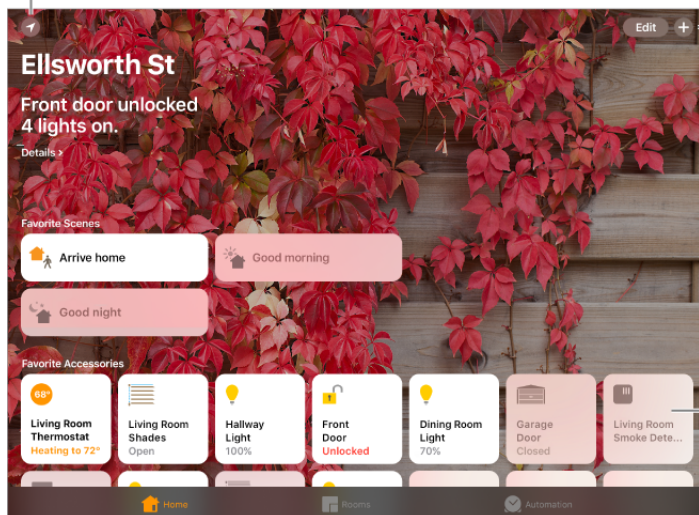
Add an accessory or scene.

Tap, or touch and hold an accessory to control it.

After you set up your home and its rooms, you can control accessories individually, or use scenes to control multiple accessories with one command. For example, you might create a scene called "going to bed" that turns off the lights around the house, dims the lights in the room "master bedroom" to 30 percent, then locks the front door and lowers the thermostat.

If you have an Apple TV (4th generation or later), HomePod, or iPad (with iOS 10.3 or later) that you leave at home, you can schedule scenes to run automatically at certain times, or when you activate a particular accessory (for example, when you unlock the front door). This also allows you, and others you invite, to securely control your home while you're away.

Add and control accessories

The first time you open the Home app, the setup assistant helps you create a home, where you can add accessories and define rooms. If you already created a home using another HomeKit-enabled app, you'll skip this step.

Add an accessory to your home. To add an accessory to Home, make sure the accessory is turned on, tap ⊕, tap Add Accessory, then follow the onscreen instructions. You may need to scan or enter an 8-digit HomeKit setup code found on the accessory

itself (or its box or documentation). You can assign the accessory to a room, as well as give it a name. The name defines how it's shown in the Home app, and also how you control it using Siri.

Control an accessory. Tap an accessory's button to quickly turn it on or off, or touch and hold the button until controls appear. The available controls depend on the type of accessory it is. For example, with some lightbulbs, you can change colors. You can also control accessories using Control Center.

Change HomePod settings with the Home app.

- Touch and hold the HomePod button, then tap Alarms to see the alarms you've created.

- Touch and hold the HomePod button, tap Details, then configure the HomePod settings—for example, assign HomePod to a different room, rename HomePod, or turn on accessibility features.

Assign an accessory to a room. Tap Rooms, tap ☰, then choose the room the accessory is currently assigned to. (If it's not already assigned, look in Default Room.) Touch and hold the accessory's button until its controls appear, then tap Details. Tap Location to assign it to a room.

Rename or edit an accessory. Touch and hold the accessory's button until its controls appear, then tap Details.

Edit a room. Tap ☰, tap Room Settings, then choose the room to edit. You can change the room's name, wallpaper, or delete the room.

Make an accessory a favorite. Touch and hold an accessory's button until its controls appear, then tap Details. Then turn on "Included in Favorites." You can access your favorite accessories from the Home tab.

Change an accessory's icon. Touch and hold an accessory's button until its controls appear, then tap Details. Tap the icon (next to its name) to select a new icon. Not all icons can be changed, but you can change them for lighting accessories, for example.

Rearrange your favorites. Tap Edit, then drag the buttons into the arrangement you want.

Add more homes. Tap ⊙, then tap Add Home. After you add another home, tap ⊙ to choose the one you want to view or control.

Create and use scenes

Scenes allow you to control multiple accessories at once. For example, you might define a "Reading" scene that adjusts the lights, closes the drapes, and adjusts the thermostat. Home has some typical scenes already defined for you, but you'll need to edit them before they'll work.

Create a scene. Tap ⊕, enter a name for the scene (such as "Dinner Party" or "Watching TV"), then tap Add Accessories. Select the accessories you want this scene to control, then tap Done. Next, set each accessory to change it to the state you want it to be when the scene is run. For example, you can set up a scene that turns on lights in the bedroom, and turns off the kitchen lights, when you're going to bed.

Run a scene. Tap a scene to run it. If you don't see the scene you want to run, look in a different room.

Change a scene. Touch and hold a scene, then tap Details.

Make a scene a favorite. Touch and hold a scene, tap Details, then tap Show in Favorites. Favorite scenes appear on the Home tab and are handy for scenes that aren't automated.

Control your home using Siri

You can use Siri to control your accessories and scenes. Here are some of the things you might be able to say to Siri, depending on your accessories, how you've named them, and the scenes you've created:

- "Turn off the lights" or "Turn on the lights"

- "Dim the lights" or "Set brightness to 55%"

- "Is the hallway light on?"

- "Set the temperature to 68 degrees"

- "Did I lock the front door?"

- "Close the garage door"

- "Show me the entryway camera"

- "What is the air quality indoors?"

If you set up rooms, scenes, or more than one home, you can say things like:

- "I'm home" or "I'm leaving"

- "Turn down the kitchen lights"

- "Turn on the fan in the office"

- "Set my reading scene"

- "Turn off the lights in the Chicago house"

Automations and remote access

If you have an Apple TV (4th generation or later) or HomePod, or if you set up an iPad (with iOS 10.3 or later) that you leave at home, you can use automations and remote access. Automations can run scenes automatically based on the time of day, your location, a sensor being activated, or the action of an accessory. The Apple TV, HomePod, or iPad acts as a *home hub*, which also allows remote access to your accessories. Apple TV 3rd generation can also provide remote access, but does't support creating or editing automations using the Home app.

Use iPad for automations and remote access. Go to Settings > Home, then turn on "Use this iPad as a Home Hub." When iPad is in your home, it will run your Home automations even when your iPhone or iPod touch is not present.

If you have an Apple TV and you're signed in using the same Apple ID as your iPad, it will be paired automatically and enabled for automation.

Create an automation. Tap the Automation tab, tap Create New Automation, then choose one of the automation triggers described below.

When arriving or leaving a location. Tap People Arrive or People Leave, then set a geofence and specify if you want the trigger to occur when you arrive or leave the location. You can also set this automation to only occur after sunset, which is useful for turning on lights only when they're needed.

At a time of day. Tap A Time of Day Occurs, then choose when you want this automation to run. If you choose Sunset or Sunrise, the time will vary as the season changes.

When an accessory changes. Tap An Accessory is Controlled, select an accessory, then tap Next and follow the onscreen instructions. You might use this, for example, to run a scene when you unlock the front door.

A sensor detects something. Tap A Sensor Detects Something, select an accessory, then tap Next and follow the onscreen instructions. You might use this, for example, to turn on lights in a stairway when motion is detected nearby.

Disable an automation. In the Automations tab, tap the automation, then turn off Enable This Automation.

Share control with others

You can invite others to control the accessories in your home. The people you invite need to have iCloud set up. If you have an Apple TV (4th generation or later) or HomePod, or if you configured an iPad (with iOS 10.3 or later) to be used as a home hub, additional controls are available that let you set what guests are able to do.

Give others control. Tap ➤, tap Home Settings, tap a home, tap Invite, then choose people from your contacts list or enter their email addresses.

TV

Discover movies, shows, sports, and news

Use the Apple TV App to discover and watch movies, TV shows, live sports, and news from your supported apps in one place. You can continue watching content you purchased or rented from the iTunes Store, or you can go to the next episode in a TV series, even if you started playing on another iOS device or on Apple TV. (The Apple TV App isn't available in all regions.)
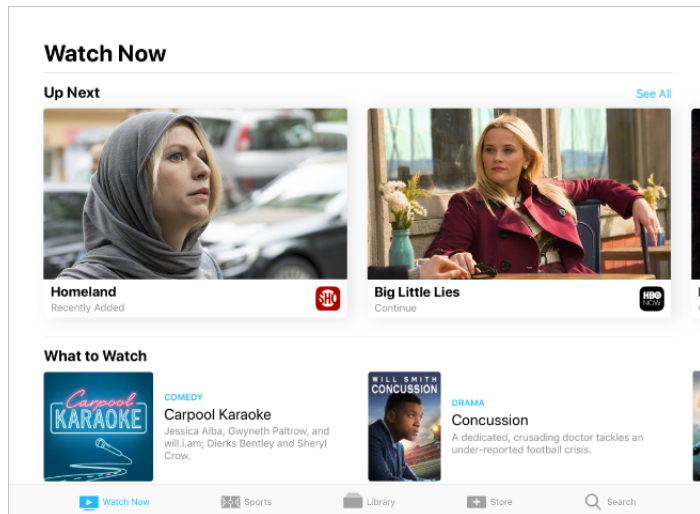
WARNING: For important information about avoiding hearing loss, see Important safety information.

Use single sign-on to authenticate your cable or satellite subscription credentials. Sign in when you first open the Apple TV App, or go to Settings > TV Provider. Single sign-on provides immediate access to all the supported video apps in your subscription package. (If you don't see your TV provider, sign in directly from the app you want to use.)

Discover content. Tap Watch Now, then browse through the available content.

- *Explore movies and TV shows:* Browse What to Watch. Tap a title to see the details screen, which may include trailers, reviews, cast information, and more.

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

- *Browse by category:* Scroll down, then tap a category such as Kids.

Explore sports. (not available in all regions) Tap Watch Now, scroll down to the Sports section, then browse the live and upcoming games. To explore more sports, tap the Sports tab:

- *Browse by sport:* Browse games for many sports, such as football, baseball, and basketball. To narrow your browsing, scroll down, then choose a sport.

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

- *Hide the scores of live games:* Go to Settings > TV, then turn off Show Sports Scores.

Search for specific content. Tap Search, then enter a title, sport, team, cast, or crew member in the search field.

Play content. Tap a title to see the details screen, where you can:

- *Watch with the suggested video app:* Tap ▶.

- *Buy or rent from the iTunes Store:* (not available for all titles) Tap Buy or Rent. Or tap ⋯, then tap Open in iTunes. For more information, see Purchase, rent, or redeem.

- *Choose a different video app:* If the content is available from multiple providers, tap ⋯ to choose a provider.

See what's up next. Tap Watch Now, then browse the Up Next section to find:

- The next episode in a TV series you've been watching

- Live sports events, displayed with up-to-the-minute scores

- Content you haven't finished, even if you started watching on another device where you're signed in to the iTunes Store with the same Apple ID

- Content you've recently purchased or rented from the iTunes Store

Queue content to play next. Tap the item, tap ⋯, then tap Add to Up Next.

Remove content from Up Next. Touch and hold the item, then tap Remove from Up Next.

Manage your library

Your library includes movies and shows you purchased or rented from the iTunes Store.
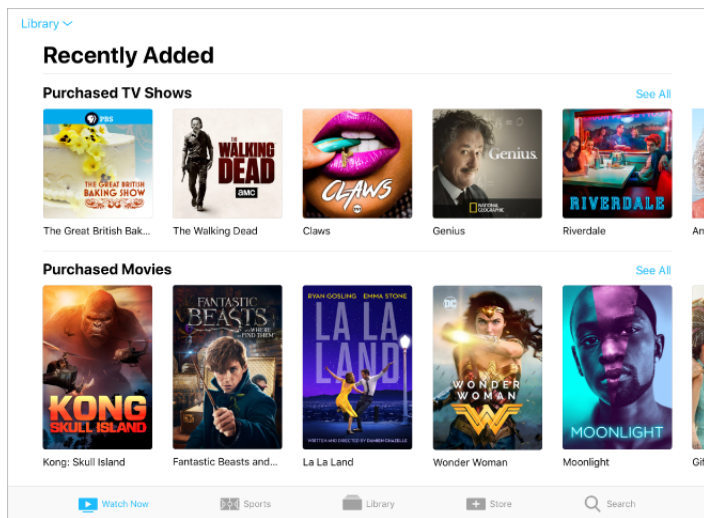
Add new movies and shows to your library. Tap Store, where you can find the latest releases on the iTunes Store.

Browse content in your library. Tap Library. To narrow your browsing, tap Library at the top left, tap a category—such as TV Shows or Movies, then tap Sort by Genre.

Play a movie or show. Tap a title to see the details screen, where you can:

- *Stream the content if iPad is connected to the Internet:* Tap ▶.

- *Download the content so you can watch it later when iPad isn't connected to the Internet:* Tap ☁.

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

Control playback

This information describes playback for content purchased or rented from the iTunes Store. Playback using third-party apps may vary.
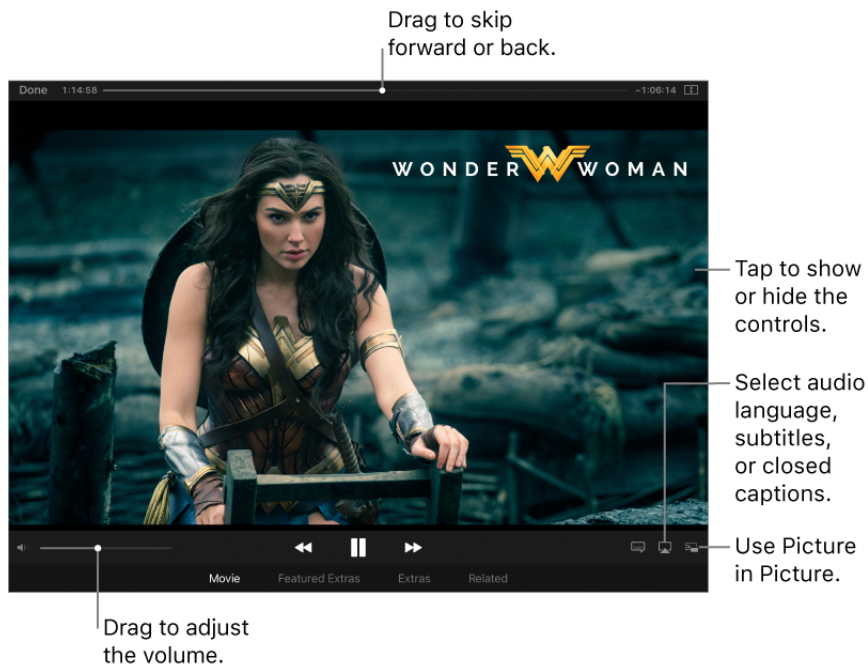
Wonder Woman is available on iTunes.

Play a movie or show. Tap ▶.

Pause. Tap ❚❚.

Skip forward or go back. Touch and hold ▶▶❙ or ❙◀◀, or drag the playhead forward or back. To control the scrubbing speed, move your finger vertically as you drag the playhead.

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

Scale the video to fill the screen or fit to the screen. Tap ⬍ or ▭, or double-tap the video. If you don't see the scaling controls, your video already fits the screen perfectly.

Multitask with Picture in Picture. (on supported models) When watching a video, press the Home button or tap ⬓. Your video screen scales down to a corner of your display so you can see the Home screen and open other apps. To return to the video, tap ⬕ in the small video window. For more information, see Picture in Picture.

Choose a different audio language. (not available for all videos) Tap ⌨, then choose a language from the Audio list.

Show subtitles or closed captions. (not available for all videos) Tap ⌨.

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. To customize the appearance of subtitles and closed captions, tap Style.

Choose playback quality. Go to Settings > TV > iTunes Videos.

- *On Wi-Fi models:* Tap Playback Quality, then choose Best Available or Good.

- *On Wi-Fi + Cellular models:* Below Playback Quality, tap Wi-Fi or Cellular, then choose Best Available or Good.

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

Stop playing a video automatically. If you often fall asleep while watching a video, you can have the video stop playing after a set amount of time. Open the Clock app and tap Timer, then set the number of hours and minutes. Tap the alert tone, choose Stop Playing, tap Set, then tap Start.

Watch on your Apple TV.

- *Open the Apple TV App on Apple TV:* The Watch Now section includes the shows and movies you've been watching. You must be signed in with the same Apple ID on iPad and Apple TV.

- *AirPlay to Apple TV:* Start playing the video on iPad, then tap ⬓. For more information, see Stream audio and video to other devices.
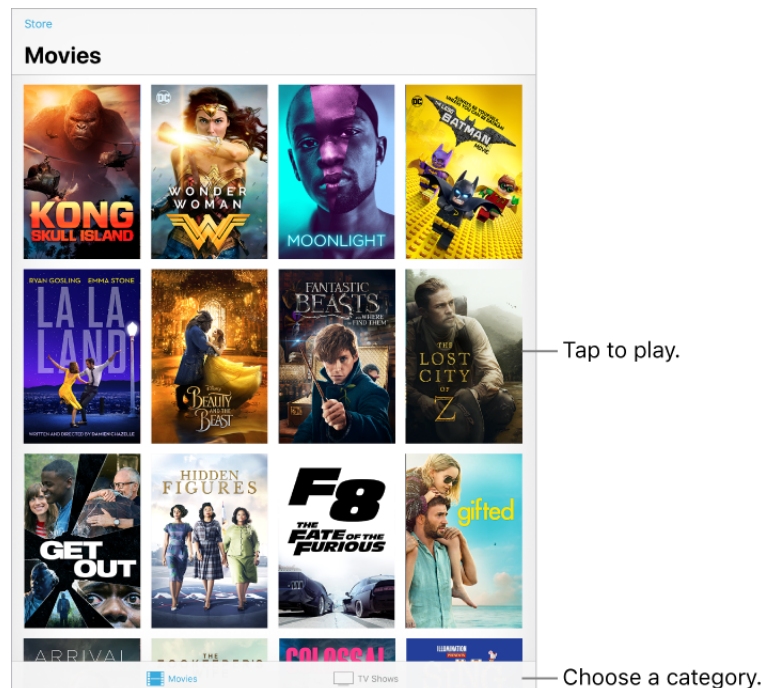
Videos

Watch videos

Use Videos to watch movies and TV shows on iPad. In Videos, you can also purchase movies and TV shows from the iTunes Store that can be played on your other devices where you're signed in to iCloud with the same Apple ID.

Videos has been replaced by the Apple TV App in some regions.

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

Watch a movie or TV show. Tap the video in the list of videos.

Stream or download? If ☁ appears on a video thumbnail, you can stream the video over your Internet connection. Or, to download the video to iPad and watch it when you're offline, tap ⬇ in the video details.

To show only the videos that are downloaded to iPad, go to Settings > Videos, then turn off Show iTunes Purchases.

Watch other types of videos.

- *Music videos:* Open the Music app.

- *Podcasts:* Open the Podcasts app.

- *Videos you recorded with your iPad camera:* Open the Photos app.

Add videos to your library

Buy or rent videos from the iTunes Store. Tap Store in the Videos app. Or open the iTunes Store on iPad, then tap Movies or TV Shows. The iTunes Store isn't available in all regions. See Find music, movies, TV shows, and more.

Transfer videos from your computer. Connect iPad, then sync videos from iTunes on your computer. See the Apple Support article Sync your iPhone, iPad, or iPod touch with iTunes using USB.
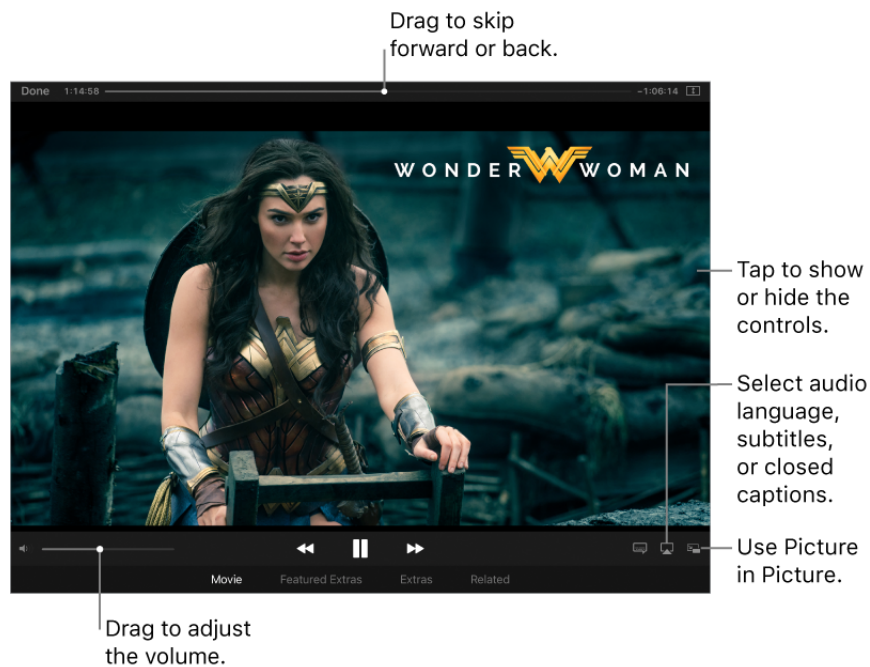
Stream videos from your computer. To configure video streaming from your computer to iPad, turn on Home Sharing in iTunes on your computer. On iPad, go to Settings > Videos, then enter the Apple ID and password you use for Home Sharing on your computer. Open Videos on iPad, then tap Shared.

Convert a video for iPad. If you try to sync a video from iTunes on your computer to iPad and a message says the video can't play on iPad, you can convert the video. Select the video in iTunes on your computer, then choose File > Convert > Create iPad or Apple TV Version. Then sync the converted video to iPad.

Delete a video. Tap Edit in the upper right of your collection, then tap ⊗ on the video thumbnail. 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 delete them. To delete an individual episode of a series, tap the series, then swipe left on the episode in the Episodes list.

Deleting a video from iPad doesn't delete it from the iTunes library on your computer or from your purchased videos in iCloud. You can sync the video or download it to iPad again later. If you don't want to sync a deleted video back to iPad, set iTunes to not sync the video.

Control playback

Drag to skip forward or back.

Tap to show or hide the controls.

Select audio language, subtitles, or closed captions.

Use Picture in Picture.

Drag to adjust the volume.

Wonder Woman is available on iTunes.

Play a video. Tap ▶.

Pause. Tap ❙❙.

Skip forward or go back. Touch and hold ▶▶❙ or ❙◀◀, or drag the playhead forward or back. To control the scrubbing speed, move your finger vertically as you drag the playhead.

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

Scale the video to fill the screen or fit to the screen. Tap ⬍ or ▭, or double-tap the video. If you don't see the scaling controls, your video already fits the screen perfectly.

Multitask with Picture in Picture. (on supported models) When watching a video, press the Home button or tap ⬒. Your video screen scales down to a corner of your display so you can see the Home screen and open other apps. To return to the video, tap ⬉ in the small video window. For more information, see Picture in Picture.

Choose a different audio language. (not available for all videos) Tap 🗨, then choose a language from the Audio list.

Show subtitles or closed captions. (not available for all videos) Tap 🗨.

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. To customize the appearance of subtitles and closed captions, tap Style and choose an option.

Choose playback quality. Go to Settings > Videos.

- *On Wi-Fi models:* Tap Playback Quality, then choose Best Available or Good.

- *On Wi-Fi + Cellular models:* Below Playback Quality, tap Wi-Fi or Cellular, then choose Best Available or Good.

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

Choose where to resume playback. Go to Settings > Videos, tap Start Playing, then choose From Beginning or Where Left Off.

Stop playing a video automatically. If you often fall asleep while watching a video, you can have the video stop playing after a set amount of time. Open the Clock app and tap Timer, then set the number of hours and minutes. Tap When Timer Ends and choose Stop Playing, tap Set, then tap Start.

Stream to Apple TV with AirPlay. Start playing the video on iPad, then tap ⬛. For more information, see Stream audio and video to other devices.