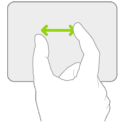


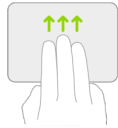
Scroll up or down. Swipe two fingers up or down.



Scroll left or right. Swipe two fingers left or right.



Zoom. Place two fingers near each other. Pinch open to zoom in, or pinch closed to zoom out.



Go Home. Swipe up with three fingers.



Open the App Switcher. Swipe up with three fingers, pausing before you lift your fingers.

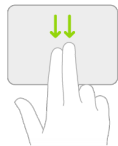
Or, pinch four fingers together, pausing before you lift your fingers.



Switch between open apps. Swipe left or right with three fingers.



Open Today View. When the Home Screen or the Lock Screen is visible, use two fingers to swipe right.



Open search from the Home Screen. Swipe down with two fingers.



Secondary click. Click with two fingers to show the quick actions menu for items like icons on the Home Screen, messages in a mailbox, and the Camera button in Control Center.

Or, if you're using an external keyboard, you can press the Control key while you click the trackpad.

Change trackpad settings on iPad

You can change how you use a trackpad to interact with items on the iPad screen.

1. Go to Settings  > General, then choose one of the following, depending on your accessories:
 - Trackpad
 - Trackpad & Mouse
2. Do any of the following:
 - *Change the tracking speed:* Drag the slider to set the tracking speed of the pointer when you move it across the screen.
 - *Turn Natural Scrolling on or off:* With this option selected, the contents on the screen move in the same direction as your finger.
 - *Turn Tap to Click on or off:* If you select this option, lightly tapping the trackpad with one finger has the same effect as pressing the trackpad until it clicks.
 - *Turn Two-Finger Secondary Click on or off:* With this option selected, you click with two fingers to [show the quick actions menu](#) for items like icons on the Home Screen, messages in a mailbox, or the Camera button in Control Center.

Note: You can also change the appearance of the pointer, such as its color, shape, and size. See [Adjust pointer settings](#).

Mouse devices

Connect a mouse to iPad

You can connect Magic Mouse, another Bluetooth® mouse, or a USB mouse to your iPad.

Note: Mouse devices are sold separately. Not all mouse devices are fully compatible with all models of iPad.

Pair Magic Mouse or other Bluetooth mouse

1. For Magic Mouse, make sure the mouse is turned on and charged.

For any other Bluetooth mouse, follow the instructions that came with the mouse to put it in discovery mode.
2. On iPad, go to Settings  > Bluetooth, then turn on Bluetooth.
3. Select the device when it appears in the Other Devices list.

If you're asked for a PIN when you pair Magic Mouse, type "0000" (four zeros), then tap Pair.

Note: If the mouse is already paired with your Mac or another iPad, you must unpair them before you can connect the mouse to your iPad. Do one of the following:

- *On iPhone or iPad:* See [Unpair a Bluetooth accessory](#).
- *On macOS 13 or later:* Choose Apple menu  > System Settings, click Bluetooth in the sidebar, Control-click the device, then choose Forget.
- *On macOS 12.5 or earlier:* Choose Apple menu > System Preferences, click Bluetooth, Control-click the device, then click Remove.

Reconnect a Bluetooth mouse to iPad

The mouse disconnects when you turn the switch on the mouse to Off or when you

move the mouse or iPad out of Bluetooth range—about 33 feet (10 meters).

To reconnect, turn the mouse switch to On, or bring the mouse and iPad back into range, then click the mouse.

Connect a USB mouse

With the appropriate cable or adapters, you can connect various third-party mouse devices with iPad using USB and USB-based receivers. Refer to the device manufacturer’s instructions.

Mouse actions and gestures for iPad

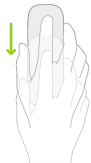
You can use a mouse to open apps, go to the Home Screen, open Slide Over, and more (mouse devices sold separately).

When your iPad is near your Mac (macOS 12.3 or later required on [supported models](#)), you can also [share a mouse](#) between both devices.

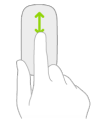
Note: Not all mouse devices are fully compatible with all models of iPad.

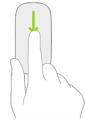
Mouse actions

Action	Description
	Click. Press the mouse until you feel a click.
	Click and hold. Press and hold the mouse.
	Drag. Click and hold an item, then move the mouse.
	Wake iPad. Click the mouse. Or, if you’re using an external keyboard, press any key.
	Open the Dock. Move the mouse to position the pointer at the bottom of the screen.
	Go Home. Move the mouse to position the pointer at the bottom of the screen. After the Dock appears, move the pointer past the bottom of the screen. Or, click the bar at the bottom of the screen (on an iPad with Face ID).

	Open the App Switcher. With the Home Screen visible, move the pointer past the bottom of the screen. Or from an app, drag the bar at the bottom of the screen toward the middle of the screen and pause (on an iPad with Face ID).
	View Slide Over. Use the mouse to move the pointer past the right edge of the screen. To hide Slide Over, move the pointer past the right edge again.
	Open Control Center. Use the mouse to move the pointer to select the status icons at the top right, then click. Or, move the pointer past the top-right corner of the screen.
	Open Notification Center. Use the mouse to move the pointer to select the status icons at the top left, then click. Or, use the mouse to move the pointer past the top of the screen (near the middle).

Mouse gestures for Magic Mouse 2

Gesture	Description
	Scroll up or down. Slide a finger up or down on the surface of the mouse.
	Scroll left or right. Slide a finger left or right on the surface of the mouse.
	Secondary click. Use a finger on one side of the mouse to show the quick actions menu when clicking items like icons on the Home Screen, messages in a mailbox, or the Camera button in Control Center. <i>Note:</i> To turn on Secondary click and choose which side of the mouse to use, go to Settings  > General > Trackpad & Mouse > Secondary Click. If you're using an external keyboard, you can press the Control key while you click the mouse. On a multi-button mouse, click the second button.
	Open Today View. When the Home Screen or the Lock Screen is visible, swipe right on the surface of the mouse.



Open search from the Home Screen.
Swipe down on the surface of the mouse.

Change mouse settings on iPad

You can change how you use a mouse to interact with items on the iPad screen.

1. Go to Settings  > General, then select Trackpad & Mouse.
2. Do any of the following:
 - *Change the tracking speed:* Drag the slider to set the tracking speed of the pointer when you move it across the screen.
 - *Turn Natural Scrolling on or off:* With this option selected, the contents on the screen move in the same direction as your finger.
 - *Specify a finger to use for Secondary Click:* You can specify either the right or left finger to [show the quick actions menu](#) when you click items like icons on the Home Screen, messages in a mailbox, or the Camera button in Control Center. To turn off Secondary Click, choose Off (Magic Mouse 2).

Note: You can also change the appearance of the pointer, such as its color, shape, and size. See [Adjust pointer settings](#).

Connect external storage devices to iPad

You can use the Files app  and other supported apps to access files stored on external devices, such as USB drives and SD cards, connected to your iPad.

Connect a USB drive or an SD card reader

1. Attach the USB drive or SD card reader to the charging port on your iPad using a compatible connector or adapter.

Depending on your iPad model and external device, you may need the Lightning to USB Camera Adapter, Lightning to USB 3 Camera Adapter, USB-C to SD Card Camera Reader, or Lightning to SD Card Camera Reader (all sold separately).

On [models that support Thunderbolt / USB 4](#), you can connect multiple USB drives and other Thunderbolt devices to each other, and then connect the chain of devices to the charging port on your iPad.

Note: An external storage device must have only a single data partition, and it must be formatted as APFS, APFS (encrypted), macOS Extended (HFS+), exFAT (FAT64), FAT32, or FAT. To change the formatting of a storage device, use [the Files app](#) on iPad or a Mac or PC.

2. Do any of the following:

- *Insert an SD memory card into a card reader:* Don't force the card into the slot on the reader; it fits only one way.

Note: You can import photos and videos from the memory card directly to the Photos app. See [Import and export photos and videos](#).

- *View the contents of the drive or memory card:* In a supported app (for example, Files), tap Browse at the bottom of the screen, then tap the name of the device below Locations. If you don't see Locations, tap Browse again at the bottom of the screen.
- *Disconnect the drive or card reader:* Remove it from the charging port on iPad.

External hard drives often require an external power source when used with iPad. On [models that support Thunderbolt / USB 4](#), if an external hard drive doesn't supply its own power, you can use a powered USB hub. If your iPad has a Lightning connector, you can use the Lightning to USB 3 Camera Adapter connected to a USB power adapter.

Connect iPad to Bluetooth accessories

Connect your iPad to Bluetooth® accessories to stream music and videos, play games, connect to keyboards, and more.

Pair your iPad with a Bluetooth accessory

1. Put your Bluetooth accessory in discovery mode. If you aren't sure how to make it discoverable, check the instructions that came with your accessory.
2. On your iPad, go to Settings ⓘ > Bluetooth and make sure Bluetooth is turned on.
3. Tap the name of the accessory when it appears onscreen, below the devices list.

You might need to enter the accessory PIN or passcode. Check the instructions that came with your accessory.

Note: iPad must be within about 33 feet (10 meters) of the Bluetooth accessory to pair.

If you have trouble pairing your accessory, see the Apple Support article [If you can't connect a Bluetooth accessory to your iPhone or iPad](#).

Unpair a Bluetooth accessory

1. On your iPad, go to Settings ⓘ > Bluetooth.
2. Tap ⓘ next to the accessory you want to unpair, then tap Forget This Device.
3. Tap Forget Device to confirm.

If you don't see the devices list, make sure [Bluetooth is turned on](#).

Note: If you unpair AirPods, they're automatically unpaired from other devices where you're [signed in to your Apple Account](#).

Disconnect from all Bluetooth accessories

If you need to quickly disconnect from all Bluetooth accessories and devices without turning Bluetooth off, [open Control Center](#), then tap ⌵. Your Bluetooth accessories and devices disconnect from your iPad until the next day.

Note: The use of certain accessories with iPad may affect wireless performance. Not all iOS or iPadOS 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.

Play audio from your iPad on a Bluetooth accessory from your iPad

After you [connect your iPad to a Bluetooth accessory](#), you can play and control the audio from your iPad on the accessory.

Play audio from your iPad on a Bluetooth audio accessory

1. Open an audio app such as Music or Podcasts on your iPad and play an item.
2. Tap , then tap your Bluetooth accessory.

While audio is playing, you can change the playback destination on the Lock Screen or in Control Center.

The playback destination returns to your iPad if you move the Bluetooth accessory out of range.

Note: For information about protecting your hearing from loud volume while listening to headphones with iPad, see [Use headphone audio-level features](#).

Improve the audio accuracy of third-party Bluetooth accessories and devices

You can improve the sound of third-party Bluetooth accessories and devices by specifying the device type (such as headphone, speaker, or hearing aid) on your iPad.

1. Go to Settings  > Bluetooth, then tap ⓘ next to the name of the accessory or device.
2. Tap Device Type, then choose the type of device.

Apple Watch with Fitness+ on iPad

Used in conjunction with Apple Watch, Apple Fitness+ is a subscription service that lets you choose from a catalog of workouts led by expert trainers. While you follow a workout on your iPad, in-session metrics like heart rate and calories burned (which are captured by your watch) appear on your screen. (watchOS 7.2 or later required; Apple Watch sold separately; Apple Fitness+ availability varies by country or region.)

See [Apple Fitness+ at a glance](#) in the Apple Fitness+ User Guide.

Print from iPad

Use AirPrint to print wirelessly to an AirPrint-enabled printer from apps such as Mail, Photos, Safari, and Freeform. 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](#).

Choose an AirPrint-enabled printer

After confirming that your printer supports AirPrint and that your iPad and printer are on the same Wi-Fi network, do the following:

1. Open the app you want to print from.
2. Tap , , , or  (depending on the app).
3. Tap Print, tap No Printer Selected, then choose an AirPrint-enabled printer.

Print a document

1. Open the app you want to print from.
2. Tap , , , or  (depending on the app).
3. Tap Print. (If you don't see Print, swipe up.)

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.

To cancel a print job, select it in Print Center, then tap Cancel Printing.

Apple Polishing Cloth

If your iPad Pro 11-inch (M4) or iPad Pro 13-inch (M4) has nano-texture glass (optional and only available on models with 1 TB and 2 TB of storage), use the included Apple Polishing Cloth to clean it.

Use iPad with iPhone, Mac, and Windows devices

Use Continuity to work across Apple devices

When you use your iPad with another Apple device—like your iPhone, iPad, or Apple Watch—you can take advantage of special Continuity features that let you use your devices in unique ways. You can seamlessly work across your devices, hand off tasks, share files and photos, stream video and audio, and more. Continuity features are built directly into your devices' operating systems and many of the apps you use every day. There's no additional app you need to install—just [sign in to the same Apple Account](#) on each device to get started.

Note: There are minimum system requirements for Continuity features and some features require [Wi-Fi](#) and [Bluetooth](#)®. See the Apple Support article [Continuity features and requirements for Apple devices](#).

Extend your workspace with an iPad



With the Sidecar feature, your iPad becomes a second display for your Mac. You can either extend your Mac desktop, or show the same app on both screens but control different aspects of it. See [Use your iPad as a second display](#).

Quickly share content between devices



Share photos, videos, contacts, and more, with anyone on an Apple device near you. AirDrop makes sharing between iPhone, iPad, and Mac as simple as dragging and dropping. See [Use AirDrop to send items to nearby devices](#).

You can easily share content between your devices, whether it's copying text on an iPad and pasting it your Mac, sharing a file from your iPhone to your iPad, or handing off tasks between devices.

Quickly share photos, videos, contacts, and anything else, with anyone near you—wirelessly. AirDrop makes sharing to iPhone, iPad, and Mac as simple as dragging and dropping. See [Use AirDrop to send items to nearby devices](#).

Copy text, images, photos, and videos on one Apple device and then paste the content on another Apple device with Universal Clipboard. For example, you can copy a recipe from Safari on your iPad, then paste it into Notes on your nearby Mac. See [Copy and paste between devices](#).

Start a document, an email, or a message on one device and pick up where you left off on another device. Handoff works with apps like Mail, Safari, Maps, Messages, Reminders, Calendar, Contacts, Pages, Numbers, and Keynote. See [Hand off tasks between devices](#).

Insert sketches, photos, and scans



You can draw a sketch on your iPad and have it appear on your Mac with Continuity Sketch. Take a photo or scan a document on your iPad and have it appear on your Mac with Continuity Camera. See [Insert sketches, photos, and scans on Mac](#).

Even more Continuity features

Use a single keyboard and trackpad or mouse to work across your iPad and Mac with Universal Control.

[Use one keyboard and mouse to control Mac and iPad](#)

Relay calls from your iPhone and send and receive texts on your iPad.

[Receive phone calls and text messages on your iPad](#)

Share videos, music, photos, and more from your iPad to your Mac, Apple TV, or an AirPlay 2-enabled TV.

[Stream video or mirror the screen of your iPad](#)

Connect your Mac to the internet using the Personal Hotspot on your iPad (Wi-Fi + Cellular).

[Share your internet connection with Personal Hotspot](#)

Control your Mac and iPad together	Answer calls and send texts from your iPad
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Other ways to use your devices together

Continuity features aren't the only ways you can use your Mac with your other Apple devices. You can also:

- [Connect iPad and your computer with a cable](#)
- [Keep information up to date across all your devices with iCloud](#)
- [Sync content between your Mac and iPhone, iPad, or iPod touch](#)

Use AirDrop on iPad to send items to nearby Apple devices

With AirDrop, you can wirelessly send photos, videos, documents, and more to a nearby iPhone, iPad, or Mac. You can use AirDrop to send files to your own devices or to share files with others.

You can use AirDrop with an iPhone, iPad, and Mac.

Transfers are encrypted for security, and the recipient can accept or decline each transfer as it arrives.

Note: If you leave Bluetooth or Wi-Fi range after an AirDrop transfer is initiated, the transfer continues over the internet.



Before you begin

Make sure of the following:

- Both devices have [Wi-Fi](#) and [Bluetooth®](#) turned on.
- The devices are within 30 feet (10 meters) of each other.

If you're using a VPN, make sure its configuration doesn't prevent local networking, as that may interfere with some Continuity features.

If you want to use AirDrop to send items between your Apple devices, [sign in to the same Apple Account](#) to automatically accept and save the items.

Turn on AirDrop

- *On an iPhone or iPad:* [Open Control Center](#), touch and hold the top-left group of controls, then tap . Tap Contacts Only or Everyone for 10 Minutes to choose who you want to receive items from.

Note: The Contacts Only and Everyone for 10 Minutes options are available only on devices with [minimum system requirements](#).

- *On a Mac:* Click  in the menu bar, then click . When it's blue, it's on.

To choose who can send items to you, click the right arrow next to AirDrop, then click Contacts Only or Everyone.

Send an item using AirDrop

To send an item to someone with AirDrop, both you and your recipient must have turned on AirDrop and chosen to accept items from either Contacts or Everyone. If a recipient chooses to only accept items from a contact, you must be in their contacts list and they need to have your Apple Account email address or phone number included in your contact card.

Then do any of the following:

- *On an iPhone or iPad:* Open the item, then tap , Share, , ..., or another button (depending on the app). Tap , then tap the recipient you want to share with. The recipients you see are those who are nearby, have Wi-Fi and Bluetooth turned on, and are able to accept files from your device.
- *On a Mac:* Open the item on a Mac, click  in the toolbar, then click AirDrop. Select the recipient you want to share with. The recipients you see are those who are nearby, have Wi-Fi and Bluetooth turned on, and are able to accept files from your device.

Tip: You can also share items with AirDrop in the Finder. To open a Finder window, click  in the Dock. Click AirDrop in the sidebar, then drag the item you want to share to the recipient you want to send it to.

To use AirDrop to securely share app and website passwords with someone using an iPhone, iPad, or Mac, see [Share passwords](#).

Receive items with AirDrop

On your device, tap or click Accept on the AirDrop notification.

Note: If you're sending an item between devices where you're signed in to the same Apple Account, the item is automatically accepted.

Most items are saved in the app that they're sent from. For example, if someone uses AirDrop to send a photo from the Photos app, it's saved in the Photos app on your device.

Depending on the device, you may find your files in other places. On an iPhone or iPad, some items may be saved in the Files app. On a Mac, some items are automatically saved in the Downloads folder, but you may also have the option to choose where to save items—for example whether to save a photo in the Downloads folder or open it in Photos.

Note: If you opened AirDrop in the Finder on a Mac, the notification to accept or decline appears here, rather than in Notification Center.

If you send items from one of your Apple devices to another (for example, from your Mac to your iPad), and you're signed in to the same Apple Account on both devices, the item is automatically accepted and saved.

Turn off cellular data for AirDrop

Cellular data charges may apply when you use AirDrop.

If you don't want to use cellular data when you're out of Bluetooth or Wi-Fi range, go to Settings  > General > AirDrop, then turn off Use Cellular Data.

Typically this is a one-time setting, but you might want to change it if, for example, you're traveling and want to avoid roaming charges.

If AirDrop isn't working

- Make sure that both the sender and recipient have [Wi-Fi](#) and [Bluetooth](#) turned on and that you're both using an iPhone, iPad, or Mac.
- Check that the recipient has their AirDrop settings set to [receive from Everyone or Contacts Only](#).

- If you're having difficulty getting AirDrop to work, restart your device and try again.
- For additional support, see the Apple Support article [How to use AirDrop on your iPhone or iPad](#).

AirDrop is best for sharing a small selection of files between devices. If you want to share many files between your Mac and other Apple devices, see [Transfer files from iPad to a storage device, a server, or the cloud](#) or [How iCloud keeps information up to date across all your devices](#).

Hand off tasks between iPad and your other devices

With Handoff, you can start a task on one device and complete it on another. For example, you can start an email on your iPad but then finish it on your Mac computer's bigger screen.

You can use Handoff with many Apple apps—for example, Safari, Mail, FaceTime, and Maps. Some third-party apps also work with Handoff.

You can use Handoff between your iPhone, iPad, and Mac. You can also hand off tasks between your Apple Watch and iPhone.

Before you begin

Make sure of the following:

- Both devices have [Wi-Fi](#) and [Bluetooth®](#) turned on.
- You're [signed in to the same Apple Account](#) on both devices.
- Both devices meet [minimum system requirements for Handoff](#).

If you're using a VPN, make sure its configuration doesn't prevent local networking, as that may interfere with some Continuity features.

Turn on Handoff

Turn on Handoff on both your iPad and your other Apple device.

- *On your iPhone or iPad:* Go to Settings  > General > AirPlay & Continuity, then turn on Handoff.
- *On your Mac:* Choose Apple menu  > System Settings, click General in the sidebar. (You may need to scroll down.) Click Airplay & Continuity, then turn on Handoff.

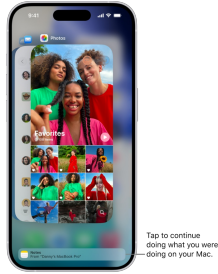
Note: If your Mac has macOS 12.5 or earlier, choose Apple menu  > System Preferences, click General, then select "Allow Handoff between this Mac and your iCloud devices."

Hand off a task between your iPad and other devices

When your devices are near each other, an icon appears whenever a task can be handed off. Just tap or click the Handoff icon to continue working on your other device.

The Handoff icon appears in the following locations:

- *On an iPhone:* At the bottom of the [App Switcher](#) screen.



- *On an iPad:* At the right end of the Dock.



- *On a Mac:* Toward the right end of the Dock, if the Dock is at the bottom of the screen. If you set up the Dock to appear on the left or right side of your screen, the Handoff icon appears at the bottom of the Dock.

If Handoff isn't working

- Make sure that both devices have [Wi-Fi](#) and [Bluetooth](#) turned on, and you're signed in to the same [Apple Account](#).
- Check that your app supports Handoff. Calendar, Contacts, FaceTime, Keynote, Mail, Maps, Pages, Numbers, Reminders, and Safari, as well as many third-party apps, allow Handoff.

Tip: When Handoff is on, you can use [Universal Clipboard](#) to copy and paste text, images, photos, and videos across devices.

Copy and paste between iPad and other Apple devices

You can use a feature called Universal Clipboard to copy content from one of your Apple devices and paste it on another. For example, you can copy text on your iPad and paste it into a note on your iPhone, or copy an image from a Safari webpage on your iPad and paste it into an email message on your Mac.

You can use Universal Clipboard with your iPhone, iPad, and Mac.

Before you begin

Make sure of the following:

- Both devices have [Wi-Fi](#), [Bluetooth®](#), and [Handoff](#) turned on.
- You're [signed in to the same Apple Account](#) on both devices.
- Both devices meet [minimum system requirements for Universal Clipboard](#).

If you're using a VPN, make sure its configuration doesn't prevent local networking, as that may interfere with some Continuity features.

Copy and paste between your iPad and other devices

Universal Clipboard isn't a feature that you see. It behaves just like copy and paste does on your iPad, except with Universal Clipboard, when you paste, you can do so on one of your other Apple devices, like an iPhone or a Mac.

1. Select the text or image on your iPad, then tap Copy.

2. On your other device, either tap (on another iPad or an iPhone) or click (on a Mac) where you want to paste the text or image, then tap or click Paste. You can also use keyboard shortcuts.

For more information on how to copy or paste on your iPhone, iPad, or Mac, see [How to copy and paste on an iPhone or iPad](#) or [How to copy and paste on a Mac](#).

Note: When you copy the content, it's available on your Clipboard for a time.

How to copy and paste on an iPhone or iPad

- *Select and copy text:* Double-tap with one finger to select a word or triple-tap with one finger to select a paragraph. (You can also move the grab points to adjust your selection.) Then tap Copy.
- *Select and copy an image:* Touch and hold to select an image, then tap Copy.
- *Paste text or an image:* Tap where you want to paste the text or image, then tap Paste.

To find additional gestures that allow you to copy and paste, see [Select, cut, copy, and paste text on iPhone](#) and [Select, cut, copy, and paste text on iPad](#).

How to copy and paste on a Mac

- *Select text or an image:* With your pointer, select the text or image you want to copy.
- *Copy text or an image:* Press Command-C or choose Edit > Copy from the menu bar.
- *Paste text or an image:* Move your pointer where you want to paste the text or image and click, then press Command-V or choose Edit > Paste from the menu bar.

To find additional gestures that allow you to copy and paste, see [Select, cut, copy, and paste text on iPhone](#) and [Select, cut, copy, and paste text on iPad](#).

If Universal Clipboard isn't working

- Make sure that you're signed in to the same [Apple Account](#) on both devices.
- Make sure that your iPhone and Mac have [Wi-Fi](#), [Bluetooth](#), and [Handoff](#) turned on.
- Your devices must be within 30 feet (10 meters) of one another.
- If you're having difficulty getting Universal Clipboard to work, restart your devices and try again.

Universal Clipboard is best for sharing small selections of text or copied images between devices. If you want to share multiple files between your iPad and Mac, see [Transfer files from iPad to a storage device, a server, or the cloud](#).

Stream video and audio from your iPad with AirPlay

With AirPlay, you can stream video and audio from your iPad to a nearby Mac or TV. You can also mirror what's on your iPad screen.

You can use AirPlay with your iPad and a Mac, an Apple TV, or another TV.

Before you begin

Make sure of the following:

- Both devices have [Wi-Fi](#) turned on and are connected to the same network.
- If you're streaming between your own Apple devices, it's useful to [sign in to the same Apple Account](#).
- To use AirPlay to stream content to a Mac, both devices meet [minimum system requirements](#).
- To use AirPlay to stream content to a TV, make sure you're using Apple TV or an AirPlay 2-enabled smart TV.

If you're using a VPN, make sure its configuration doesn't prevent local networking, as that may interfere with some Continuity features.

Set up a Mac to allow streaming from your iPad

1. On a Mac, go to the [System Settings](#) app.
2. Click General in the sidebar. (You may need to scroll down.)
3. Click AirDrop & Handoff, then turn on AirPlay Receiver.

Note: If you're using a Mac with macOS 12.5 or earlier, choose Apple menu  > System Preferences, click Sharing, then turn on AirPlay receiver.

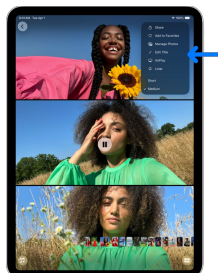
4. Click the pop-up menu next to "Allow AirPlay for" and choose the devices that can use AirPlay to stream content to this Mac.
 - *Allow only your devices:* If you only want to allow AirPlay from devices where you're signed in to the same Apple Account, select Current User.
 - *Allow any device:* Select "Anyone on the Same Network" or Everyone.
5. To require a password to use AirPlay with the Mac, select the option, then enter a password.

Stream photos or videos from your iPad to a Mac or TV

You can stream photos and videos from your iPad to a Mac, an Apple TV, or an AirPlay 2-enabled smart TV.

1. On your iPad, find the photo or video that you want to stream.
2. Tap .

Note: In some apps, you may need to tap a different button first, like .



3. Choose your Mac or TV from the list.
4. Use the playback controls on your iPad.

5. To stop streaming, on your iPad, tap , then tap Turn Off AirPlay.

Tip: You can set up your iPad to discover and automatically connect to any Apple TV or smart TV that you use frequently when you play content from apps that you use regularly with AirPlay. To turn this feature on or off on your iPad, go to Settings  > General > AirPlay & Continuity, tap the Automatically AirPlay pop-up menu, then choose Automatic, Never, or Ask.

Mirror your iPad on a Mac or TV

1. [Open Control Center](#) on your iPad.
2. Tap , then choose your Mac or TV as the playback destination.

To switch back, open Control Center, tap , then tap Stop Mirroring.

Play audio from your iPad on a Mac or TV

You can use AirPlay to stream audio from your iPad to a Mac or TV. If you're streaming to your Mac, make sure you've set up the Mac to allow streaming from another device first. See [Allow streaming from another device](#).

1. Go to an audio app, such as Podcasts  or Music  on your iPad, then choose an item to play.
2. Tap , then choose a playback destination.

You can also use AirPlay to stream audio from your iPad to a HomePod. To learn more, see [Play audio on HomePod using an iOS or iPadOS device](#).

Use AirPlay in your hotel room

If you stay in a hotel room with a TV that supports AirPlay, you can use it to play movies, TV shows, music, and more from your iPad.

1. Open Camera  on your iPad.
2. If it's not already on, turn on the room's TV and locate the AirPlay QR code.
3. [Scan the QR code with your iPad camera](#), then follow the onscreen instructions to connect to your hotel Wi-Fi (if you're not already connected) and the room's TV.
4. Use your iPad to display content on the TV screen by [streaming photos or video](#), [mirroring your screen](#), or [playing audio](#). Choose your hotel TV as the playback destination.
5. To stop streaming or mirroring, tap the AirPlay or Screen Mirroring button ( or ) on your iPad, then tap your iPad in the list or tap Stop Mirroring.

Note: AirPlay in hotels is available in certain countries and regions.

If AirPlay isn't working

- Make sure that both of your devices are on the same network.
- Check that your Mac is set up to [allow streaming from another device](#).
- See the Apple Support article [If screen mirroring or streaming isn't working on your AirPlay-compatible device](#).

Use iPhone to allow calls and text messages on your iPad

You can relay phone calls and text messages through your iPhone to your iPad, so it's easy to stay in touch no matter which device you're on.

Note: Cellular charges may apply. Wi-Fi Calling isn't available from all carriers.

Before you begin

Make sure of the following:

- Both devices have [Wi-Fi](#) turned on and are connected to the same Wi-Fi network.
- You're [signed in to the same Apple Account](#) on both devices.

If you're using a VPN, make sure its configuration doesn't prevent local networking, as that may interfere with some Continuity features.

Set up your iPhone to allow phone calls on your iPad

1. On your iPhone, go to the Settings app .
2. Tap Apps, then tap Phone.
3. Tap Calls on Other Devices, turn on Allow Calls on Other Devices, then choose the devices you want to allow to make and receive calls.

The devices you choose can make and receive calls when they're near your iPhone, connected to the same Wi-Fi network, and signed in to the same Apple Account.

Make or receive phone calls on your iPad

After you set up your iPhone to allow calls on your other devices, you can make and receive phone calls on your iPad and Mac.

- *Make a call:* Tap a phone number in Contacts, Calendar, FaceTime, Messages, Search, or Safari. Or open the Phone app, tap or click  and type a number, or search for a contact.

If you make a call from another device by relaying it through your iPad with Dual SIM, the call is made using your default voice line.

- *Receive a call:* Swipe or tap the notification to answer or ignore the call.

Send and receive messages on your iPad

You can send and receive messages—both iMessage and SMS/RCS/MMS messages—on your iPad. For more information on iMessage and SMS/RCS/MMS messages, see [What is the difference between iMessage, RCS, and SMS/MMS?](#)

To send and receive iMessages on iPad, see [Get started with Messages](#).

To send and receive SMS/RCS/MMS messages on your iPad, see [Access your messages on all your Apple devices](#).

If phone calls and text messages on your iPad aren't working

- Make sure that you're signed in to the same [Apple Account](#) on both devices.
- Make sure that your iPhone and Mac have [Wi-Fi](#) turned on.
- Your devices must be within 30 feet (10 meters) of one another.
- If you're having difficulty getting text messages to work, see the Apple Support article [Forward text messages from your iPhone to other devices](#).

In addition to making and receiving phone calls on your iPad, you can also use Handoff to transfer a FaceTime call from one device to another. See [Hand off a FaceTime call from your iPad to your other Apple devices for iPad](#).

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

Share your internet connection from your iPad (Wi-Fi + Cellular) with Personal Hotspot

You can share the internet connection from your iPad (Wi-Fi + Cellular) with other devices using a feature called Instant Hotspot. Instant Hotspot uses the Personal Hotspot on your iPad, and is useful when your other device doesn't have internet access from a Wi-Fi network.

There are several ways to connect other devices to your Personal Hotspot:

- Connect your Mac to your iPad through Wi-Fi settings.
- Pair your two devices with Bluetooth®.
- Connect your Mac to your iPad with a cable.

You can share the Personal Hotspot on your iPad with another iPad, an iPhone, a Mac, a Windows device, and more.

Note: Personal Hotspot isn't available with all carriers. Additional fees may apply. The number of devices that can join your Personal Hotspot at one time depends on your carrier and iPad model. Contact your carrier for more information.

Before you begin

Make sure of the following:

- Both devices have [Wi-Fi](#) and [Bluetooth](#)® turned on.
- The devices are within 30 feet (10 meters) of each other.
- Both devices meet [minimum system requirements for Instant Hotspot](#).

If you're using a VPN, make sure its configuration doesn't prevent local networking, as that may interfere with some Continuity features.

If you're sharing your Personal Hotspot with your Apple devices, it's faster to connect if you [sign in to the same Apple Account](#) on both devices.

Note: You can only use Personal Hotspot by sharing the cellular internet connection on your iPad. You can't connect your iPad to a Wi-Fi network, and then share that network with another device.

Set up Personal Hotspot on your iPad

1. On your iPad, go to the Settings app .
2. Tap Cellular, then tap Set Up Personal Hotspot.
3. Follow the onscreen instructions.

Optionally, you can change the Wi-Fi Password. Your Wi-Fi network name is your device name, which you can change in Settings  > General > About.

Note: If Cellular Data is turned on in Settings > Cellular, but you don't see Set Up Personal Hotspot as an option, contact your carrier about adding Personal Hotspot to your plan.

Turn Personal Hotspot on and off on your

1. On your iPhone, go to the Settings app .
2. Tap Personal Hotspot.
3. Follow the onscreen instructions.

You can choose who is allowed to use your Personal Hotspot, set a password, and—if you're in a Family Sharing group—decide if you want to automatically share your Personal Hotspot with specific family members.

Connect to a Personal Hotspot with Wi-Fi

You can connect another device to the Personal Hotspot on your iPad using Wi-Fi settings. You can connect another iPad, an iPhone, a Mac, a Windows device, and many other devices that are able to connect to a Wi-Fi network.

1. On the device that you want to connect to the Personal Hotspot on your iPad, do any of the following:
 - *On an iPhone with Touch ID:* Swipe down from the top-right edge to open Control Center. Tap  to turn Wi-Fi on, then choose your iPad.
 - *On an iPhone with Face ID:* Swipe up from the bottom to open Control Center. Tap  to turn Wi-Fi on, then choose your iPad.
 - *On an iPad:* Swipe down from the top-right edge to open Control Center. Tap  to turn Wi-Fi on, then choose your iPad.
 - *On a Mac:* Click  in the menu bar, then choose your iPad.
 - *On a Windows device or other device:* Follow the manufacturer's instructions to connect to a Personal Hotspot.
2. Enter the password you set up for your Personal Hotspot to connect. If you're connecting another Apple device and you're signed in to the same [Apple Account](#) on both devices, you don't need to enter a password.

Note: When a Mac is connected to your Personal Hotspot, the Personal Hotspot icon  appears in the status bar of the connected Mac.

When you're not using the hotspot, your devices automatically disconnect to save battery life.

Connect to a Personal Hotspot with Bluetooth

You can connect a Mac or Windows device to the Personal Hotspot on your iPad using Bluetooth instead of Wi-Fi. Both devices must have Bluetooth turned on.

1. On your Mac, go to the [System Settings](#) app.

Note: If your Mac has macOS 12.5 or earlier, choose Apple menu  > System Preferences.
2. Click Bluetooth  in the sidebar. (You may need to scroll down.)
3. On your iPad, go to the Settings app , then tap Bluetooth.

Keep Bluetooth Settings open to make sure that your device is discoverable.
4. On your Mac, select your iPad when it appears. (It may take a moment.)

As soon as it's connected by Bluetooth, your Mac is able to use the cellular connection on your iPad.

To connect your Windows device to your iPad using Bluetooth, follow the manufacturer's directions to set up a Bluetooth network connection.

Connect to a Personal Hotspot with a USB cable

You can connect a Mac or Windows device to the Personal Hotspot on your iPad using the USB cable that came with your iPad (or another cable that matches the ports on your iPad and other device).

Note: If you see an alert on your iPad that says Trust This Computer? tap Trust. You may be asked to enter your device passcode to proceed. If you see an alert on your Mac that says "Allow accessory to connect?" click Allow.

As soon as it's connected by a cable, your Mac or Windows device is able to use the cellular connection on your iPad.

If your Personal Hotspot isn't working

- Make sure that your devices have [Wi-Fi](#) and [Bluetooth](#) turned on.
- Your devices must be within 30 feet (10 meters) of one another.
- See the Apple Support article [If Personal Hotspot is not working on your iPhone or iPad \(Wi-Fi + Cellular\)](#) for additional troubleshooting steps.
- Maximize compatibility in Settings > Personal Hotspot, then enable Maximize Compatibility. Maximize Compatibility may reduce performance for devices connected to your Personal Hotspot when turned on.

When you share a Personal Hotspot from your iPad, it uses cellular data for the internet connection. To monitor your cellular data network usage, go to Settings ⓘ > Cellular. See [Set up cellular service](#).

If you use Family Sharing, you can share your Personal Hotspot with any member of your family. See [Set up Family Sharing](#).

Use your iPad as a webcam for Apple TV

With Continuity Camera, you can use your iPad as a webcam or microphone for your Apple TV 4K, and take advantage of the powerful iPad camera and video effects for apps and FaceTime calls.

Here are some things you can do with Continuity Camera on Apple TV:

- [Use your iPad as a webcam in FaceTime](#).
- [Sing along to Apple Music and appear onscreen with visual effects](#).

Insert sketches, photos, and scans from your iPad on Mac

With the Continuity Camera and Continuity Sketch features, you can draw a sketch, take a photo, or scan a document using your nearby iPad and have it appear instantly on your Mac, exactly where you want it—for example, in an email, note, or folder. You can also mark up a file on your Mac with your iPad using Continuity Markup.

You can use Continuity Camera, Continuity Sketch, and Continuity Markup with an iPad and Mac.



Before you begin

Make sure of the following:

- Both devices have [Wi-Fi](#) and [Bluetooth®](#) turned on.
- You're [signed in to the same Apple Account](#) on both devices.
- Both devices [meet minimum system requirements for Continuity Camera, Continuity Sketch, and Continuity Markup](#).

If you're using a VPN, make sure its configuration doesn't prevent local networking, as that may interfere with some Continuity features.

Depending on where the photo or scan is inserted, you can mark it up or adjust other aspects, such as crop it or apply a filter.

Insert a sketch, photo, or scan from your iPad

You can draw a sketch on your iPad and have it appear on your Mac with Continuity Sketch, or take a photo or scan a document on your iPad and have it appear on your Mac with Continuity Camera.

1. On your Mac, [Control-click](#) where you want to insert the sketch or photo—for example, in an open window, like a note or email message.

You can also Control-click the desktop or a folder in a Finder window.

2. Choose an option from the pop-up menu.

You may need to click "Insert from iPhone or iPad" before seeing the options.

3. Do any of the following:

- *Add a sketch:* On your iPad, draw a sketch using your finger.

On iPad, you can also use Apple Pencil.

- *Take a photo:* On your iPad, take a photo, then tap Use Photo or Retake.

- *Scan a document:* On your iPad, scan a document. Your iPad detects the edges of the document and autocorrects any skewing of the image. If you want to adjust the area included in the scan, drag the frame or its edges. When you're ready, tap Keep Scan or Retake. You can continue to scan documents until you're done, then tap Save.

Depending on where the photo or scan is inserted, you can mark it up or adjust other aspects, such as crop it or apply a filter.

Note: Scans you take on your iPad aren't saved on the device.

Use your iPad to mark up a file on your Mac

Use your iPad to add text, make drawings, rotate, and crop images, PDF documents, and more on your Mac, called Continuity Markup.

1. On your Mac, click the desktop to open the Finder.

2. [Control-click](#) the file you want to mark up, choose Quick Actions, then choose Markup.

The file opens.

3. In the toolbar, click  or click  (the button may have an arrow next to it), then choose your device.
4. Use the [Markup tools](#) to draw, add text or shapes, and more.

On iPad, you can also use Apple Pencil.

5. When you're done, tap Done on your iPad.
6. To save your changes, click Done on your Mac.

If Continuity Camera, Continuity Sketch, or Continuity Markup aren't working

- Make sure you're signed in to the same [Apple Account](#) on both devices.
- Make sure that both devices have [Wi-Fi](#) and [Bluetooth](#) turned on.
- Make sure your device meets [minimum system requirements for Continuity Camera](#).

Use your iPad as a second display for your Mac

You can extend the workspace of your Mac by using your iPad as a second display with the Sidecar feature. The extended workspace allows you to use different apps on the different screens, or to use the same app across both screens, but control different aspects of it. For example, when you use the same app on both screens, you can view your artwork on your Mac while you use Apple Pencil and an app's tools and palettes on iPad.

You can use Sidecar with your Mac and iPad.



Before you begin

Make sure of the following:

- Both devices have [Wi-Fi](#), [Bluetooth®](#), and [Handoff](#) turned on.
- You're [signed in to the same Apple Account](#) on both devices.
- Both devices meet [minimum system requirements for Sidecar](#).

If you're using a VPN, make sure its configuration doesn't prevent local networking, as that may interfere with some Continuity features.

Set up Sidecar

1. On your Mac, go to the [System Settings](#)  app.

Note: If your Mac has macOS 12.5 or earlier, choose Apple menu  > System Preferences.

2. Click Displays  in the sidebar. (You may need to scroll down.)

Tip: You can also connect your Mac and iPad using a USB cable. You can use the USB cable that came with your iPad or another cable that matches the ports on your Mac and iPad.

3. Click + on the right, then choose your iPad.
4. To change Sidecar options (for example, to extend or mirror your Mac display), choose your iPad in Displays, then choose from the available options.

You can also adjust the arrangement of your Mac and iPad displays. Click Arrange, then drag your displays into a new position.

Tip: You can also use Control Center to set up Sidecar. Click screen mirroring in the menu bar, click Screen Mirroring, then choose your iPad. You can adjust some Display settings here, or click Display Settings for more options.

Use Sidecar with your Mac or iPad

Do any of the following:

- *Move windows between Mac and iPad:* Drag a window to the edge of the screen until the pointer appears on the other device. Or while using an app, choose Window > "Move to".
- *Use the sidebar on iPad:* With your finger or Apple Pencil, tap the icons in the sidebar to show  or hide  the Menu Bar, show  or hide  the Dock, or show the onscreen keyboard . Or tap one or more modifier keys, such as Control , to use keyboard shortcuts.
- *Use the Touch Bar on iPad:* With your finger or Apple Pencil, tap any button in the Touch Bar. The buttons available vary depending on the app or task.
- *Use Apple Pencil on iPad:* With your Apple Pencil, tap to select items such as menu commands, checkboxes, or files. If your Apple Pencil supports it (and you selected the option in Displays settings), you can double-tap the lower section of your Apple Pencil to switch drawing tools in some apps. See the Apple Support article [Pair Apple Pencil with your iPad](#).
- *Use gestures on iPad:* Use basic gestures, such as tap, swipe, scroll, and zoom, as well as gestures for entering and editing text. See the [Learn basic gestures to interact with iPad](#).
- *On iPad, switch between the Mac desktop and the iPad Home Screen:* To show the Home Screen, swipe up from the bottom edge of your iPad. To return to the Mac desktop, swipe up, then tap .

Turn off Sidecar

When you're ready to stop using your iPad as a second display for your Mac, do one of the following:

- *On a Mac:* Click  in the menu bar, click Screen Mirroring, then deselect your iPad from the list below "Mirror or extend to."
- *On an iPad:* Tap  at the bottom of the sidebar.

If Sidecar isn't working

- Make sure you're signed in to the same [Apple Account](#) on both devices.
- Make sure that both devices have [Wi-Fi](#), [Bluetooth](#), and [Handoff](#) turned on and are on the same Wi-Fi network.

- For more troubleshooting tips, see the Sidecar system requirements in the Apple Support article [Use an iPad as a second display for a Mac](#).

Use one keyboard and mouse to control Mac and iPad

You can use the keyboard and mouse (or trackpad) of your Mac to control your iPad with the Universal Control feature. You can even connect an additional Mac or iPad and work across three devices. When you use Universal Control, you can open and use apps, enter text, and drag items across devices. If an external keyboard and mouse or trackpad are connected to your iPad, you can use them to work across both devices too.

You can use Universal Control with your Mac and iPad.

Before you begin

Make sure of the following:

- Both devices have [Wi-Fi](#), [Bluetooth®](#), [Handoff](#), and [two-factor authentication](#) turned on.
- You're [signed in to the same Apple Account](#) on both devices.
- Both devices meet [minimum system requirements for Universal Control](#).
- If your Mac doesn't have a built-in trackpad or keyboard, you must connect a keyboard and mouse or trackpad to your Mac. To connect an Apple keyboard, mouse, or trackpad, see [Connect an Apple wireless keyboard, mouse, or trackpad with Mac](#).

If you're using a VPN, make sure its configuration doesn't prevent local networking, as that may interfere with some Continuity features.

Set up Universal Control

To connect your Mac and iPad, make sure that both devices are awake and unlocked, then do one of the following:

- On your Mac, use your mouse or trackpad to move the pointer to the right or left edge of the screen, whichever is closest to your other device. Pause, then move the pointer slightly past the edge of the screen. When a border appears at the edge of the other device, continue moving the pointer to the other device's screen.
- On your Mac, click  in the menu bar, click Display, then choose your other device below "Link keyboard and mouse to." Then use your mouse or trackpad to move the pointer past the edge of the Mac screen until it appears on your other device.

After you establish a connection, you can move the pointer across screens until one of your devices goes to sleep or you disconnect them.

Use your Mac keyboard and mouse or trackpad with your iPad

Many actions and gestures that you can do on your iPad with an external mouse or trackpad also work with your Mac mouse or trackpad. See [Mouse actions and gestures](#) and [Trackpad gestures](#).

With your Mac keyboard, you can also use many iPad features available with external keyboards. See the keyboard topics in the Accessories chapter, beginning with [Switch between keyboards](#).

Change the screen arrangement between your Mac and iPad

The direction in which you move the pointer when establishing the Universal Control connection determines which side of the display you use to move the pointer across devices.

You can adjust the arrangement of your devices.

1. On your Mac, go to the [System Settings](#) app .

Note: If your Mac has macOS 12.5 or earlier, choose Apple menu  > System Preferences.

2. Click Displays  in the sidebar. (You may need to scroll down.)
3. Drag the iPad image to the new position.

Disconnect Universal Control between your Mac and iPad

You can disconnect your Mac and iPad to temporarily stop using Universal Control.

Do one of the following:

- *On your iPad:* Press the top button on your iPad to put it to sleep.
- *On your Mac:* Click  in the menu bar, click Display, then deselect your iPad, below "Link keyboard and mouse to."

Stop your Mac and iPad from automatically connecting

After you set up Universal Control, your Mac and iPad or another Mac automatically reconnect whenever they're close to each other and their screens are unlocked. To stop your Mac and iPad or another Mac from automatically connecting, you can turn off this option your Mac.

1. On your Mac, go to the [System Settings](#) app .

Note: If your Mac has macOS 12.5 or earlier, choose Apple menu  > System Preferences.

2. Click Displays  in the sidebar. (You may need to scroll down.)
3. On the right, click Advanced, then turn off "Automatically reconnect to any nearby Mac or iPad."

Turn off Universal Control

You can turn off Universal Control to prevent the use of your Mac keyboard and mouse or trackpad across your iPad and other devices.

1. On your Mac, go to the [System Settings](#) app .

Note: If your Mac has macOS 12.5 or earlier, choose Apple menu  > System Preferences.

2. Click Displays  in the sidebar. (You may need to scroll down.)
3. Click Advanced on the right, then do one of the following:
 - *Turn off all Universal Control connections:* Turn off "Allow your pointer and keyboard to move between any nearby Mac or iPad."
 - *Prevent a connection when moving the pointer to the edge of the screen:* Turn off "Push through the edge of a display to connect to a nearby Mac or iPad."

To prevent connecting your iPad keyboard and mouse or trackpad to your Mac, on iPad go to Settings  > General > AirPlay & Continuity, then turn off Cursor and Keyboard.

If Universal Control isn't working

- Make sure you're signed in to the same [Apple Account](#) on both devices.
- Make sure that both devices have [Wi-Fi](#), [Bluetooth](#), [Handoff](#), and [two-factor authentication](#) turned on and are on the same Wi-Fi network.
- For additional troubleshooting steps, see "If you need help" at the bottom of the Apple Support article [Universal Control](#).

Connect iPad and your computer with a cable

You can use a cable to directly connect your iPad to a Mac with OS X 10.9 or later, or to a Windows device with Windows 7 or later.

Using the charging cable for your iPad, connect iPad to the USB port on your computer. If the cable isn't compatible with the port on your computer, you'll need to use an adapter (sold separately).

Note: If an alert appears on your iPad asking whether to trust this computer, select Trust. (See the Apple Support article [About the 'Trust This Computer' alert](#).)

After you connect your iPad to a computer with a cable, you can do any of the following:

- [Set up iPad](#) for the first time.
- [Share your internet connection](#) with your computer.
- [Use your computer to erase all content and settings](#) from iPad.
- [Update iPad](#) using your computer.
- [Sync content or transfer files](#) between your iPad and Mac or Windows device.

The iPad battery charges when iPad is connected to your computer and your computer is connected to power.

Transfer files between your iPad and other devices

There are multiple ways to transfer photos, videos, and other files between your iPad and other devices like an iPhone, Mac, or Windows device. You can transfer files wirelessly with features like AirDrop or apps like Mail and Messages, or you can connect your iPad to a computer or an external storage device with a cable, and then transfer or sync files.

You can also use iCloud to store your files, photos, videos, and more, and keep everything up to date on all your devices where you're [signed in to the same Apple Account](#).

Important: Transferring, sharing, or syncing may be restricted for some types of data, such as files saved in an app's proprietary format, files saved in older software versions, and files protected by copyrights.

Transfer files from your iPad wirelessly

To quickly share a photo, file, or other item from your iPad to a nearby Apple device, you can use AirDrop. See [Use AirDrop to send items to nearby devices](#).

You can also transfer files from your iPad to another device by sending the file as an attachment in the Mail or Messages app.

- *Send a file as an email attachment:* See [Add email attachments in Mail](#).
- *Send a file as an attachment in Messages:* See [Share content in Messages](#).

Transfer files by connecting iPad with a cable

You can [connect your iPad to your Mac or Windows device with a cable](#) to transfer files to your computer, an external storage device, or a file server. When you transfer files to your Mac or Windows device, you can use the Finder, Apple Devices, or iTunes, depending on the model and operating system of your computer.

Note: Only files from iPad apps that support file sharing can be transferred.

- *Transfer files with your Mac (macOS 10.15 or later):* Use the Finder. See the Apple Support article [Use the Finder to share files between your Mac and your iPhone, iPad, iPod touch](#).
- *Transfer files to your Windows device (Windows 10 or later):* Use Apple Devices for Windows. See [Transfer files between your Windows device and iPhone, iPad, or iPod touch](#) in the Apple Devices User Guide for Windows.
- *Transfer files to your Mac (macOS 10.14 or earlier) or Windows device (Windows 7 or earlier):* Use iTunes. See the Apple Support article [Use iTunes to share files between your computer and your iPhone or iPad](#).
- *Transfer files to a storage device, a file server, or a service like Box or DropBox:* See [Transfer files from iPad to a storage device, a server, or the cloud](#).

Sync your iPad with other devices

You can also connect your iPad to your Mac or Windows device to sync supported content. For example, when you add a movie to your iPad, you can sync so that the movie also appears on your computer. You can sync content like music, movies, TV shows, and more.

When you sync files to your Mac or Windows device, you can use the Finder, Apple Devices, or iTunes, depending on the model and operating system of your computer.

- *Sync content with your Mac (macOS 10.15 or later):* Use the Finder. See [Sync content between your Mac and iPhone, iPad, or iPod touch](#) in the Mac User Guide.
- *Sync content with your Windows device (Windows 10 or later):* Use Apple Devices for Windows. See [Sync your Windows device and iPhone, iPad, or iPod](#) in the Apple Devices User Guide for Windows.
- *Sync content with your Mac (macOS 10.14 or earlier) or Windows device (Windows 7 or earlier):* Use iTunes. See the Apple Support article [Use iTunes to sync your iPhone, iPad, or iPod with your computer](#).

Automatically keep your files in sync with iCloud

You can store your files, photos, videos, and more in iCloud so you can access them and keep them synced on all your devices as well as supported web browsers. Any change you make to a file on a device that's signed in to your Apple Account appears on all devices that are signed in to the same Apple Account. For more information, see [How iCloud keeps information up to date across all your devices](#) in the iCloud User Guide.

To get started, see [Set up iCloud on all your devices](#) in the iCloud User Guide.

Important: OS X 10.10 (or later) or Windows 7 (or later) are required. You must be signed in to the same Apple Account on both your iPhone and your computer, as well as any supported web browsers you might be using. See the Apple Support article [System requirements for iCloud](#).

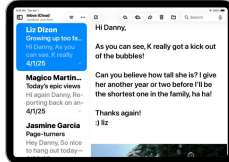
Accessibility

Get started with accessibility features on iPad

Customize iPad in ways that work best for you with features for vision, hearing, mobility, speech, and cognitive accessibility—whether you need them temporarily or on an ongoing basis.

You can [turn on accessibility features when you set up your iPad for the first time](#), or at any time in Settings ⓘ > Accessibility.

Vision



Use the built-in screen reader to hear what's on the screen and navigate iPad with gestures. Or make text bigger, zoom in on the screen, adjust display colors, and more.

You can even use your iPad as a magnifying glass, and hold it up to get descriptions of your surroundings if you can't see them.

[Learn more about accessibility features for vision](#)

Mobility

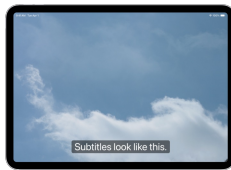


Navigate and perform actions on iPad using just your eyes or spoken commands. Or connect an assistive device or an external keyboard and use it to control iPad.

You can also make it easier to use gestures and set other options so iPad responds best to your touch.

[Learn more about accessibility features for mobility](#)

Hearing

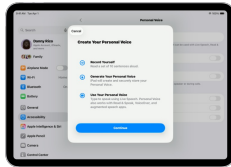


Get real-time captioning of spoken audio from an app or live conversation, turn on flash notifications, have iPad recognize sounds, and more.

You can also pair hearing devices with your iPad, and adjust headphone audio so it's right for you.

[Learn more about accessibility features for hearing](#)

Speech

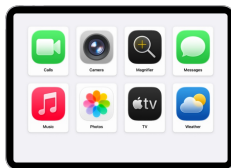


Create a custom voice that sounds like you, or choose one of dozens of system voices, then use it to have what you type spoken out loud.

You can also have Siri recognize a wider range of speech patterns, or teach iPad to perform an action when you speak a word or sound of your choosing.

[Learn more about accessibility features for speech](#)

Cognitive



iPadOS accessibility features can help you—or someone you care for—use iPad with greater independence. You can set up an iPad with a simplified interface for someone with a cognitive disability, or temporarily lock iPad to one app when you let a child use it.

[Learn more about cognitive accessibility features](#)

Tip: Control your go-to accessibility features and settings with Siri, the click of a button, or from Control Center. See [Quickly turn accessibility features on or off](#).

Use accessibility features during iPad setup

iPad has accessibility features that you can turn on the first time you turn on your iPad, to make it easier to set up and personalize other iPad features.

Hear what's onscreen with VoiceOver

VoiceOver—a gesture-based screen reader—tells you what's happening onscreen.

1. After iPad is turned on, triple-click the top button (on an iPad with Face ID) or triple-click the Home button (on other iPad models) to [turn on VoiceOver](#).

2. Do any of the following and more:

- *Speak the entire screen:* Swipe up with two fingers.
- *Find out what you're touching:* Touch the screen or drag your finger over it. VoiceOver speaks the name of the item your finger is on, including icons and text. Swipe right to elect the next item. Tap with four fingers near the top to select the first item on the screen.
- *Select an item:* Tap to select a button or link, and activate it by double-tapping.
- *Scroll to another page:* Swipe with three fingers.
- *Open the onscreen rotor:* Turn two fingers on the screen, as if rotating a dial. See [Control VoiceOver using the rotor](#).

Note: When VoiceOver is on, basic gestures don't work as usual. See [Use VoiceOver gestures](#) and [Operate iPad when VoiceOver is on](#).

You can adjust audio options, language, voice, speaking rate, how much detail VoiceOver provides, and more in [VoiceOver settings](#).

Zoom in on part of the screen

1. Double-tap the screen with three fingers, then use the slider to set a magnification level.
2. Use three fingers to scroll around the zoomed-in screen.

See [Zoom in](#).

Turn on other features during setup

You can turn on additional accessibility features from the Quick Start screen.

Tap ⓘ to turn on or adjust settings for any of the following:

- [VoiceOver](#)
- [Zoom](#)
- [Display & Text Size](#)
- [Motion](#)
- [Read & Speak](#)
- Touch (such as [AssistiveTouch](#) and [Touch Accommodations](#), [Switch Control](#), or any [external keyboard](#).)

If you've set up accessibility features on an iPhone or iPad that's nearby, you can transfer your settings to your new iPad with Quick Start—just follow the onscreen instructions. See [Turn on and set up iPad](#). (See [Move from an Android device to iPad](#) if your previous device wasn't made by Apple.)

Change Siri accessibility settings on iPad

You can change how quickly or when Siri responds, use text to make requests to Siri, have Siri listen for atypical speech patterns, have Siri audibly share notifications, and announce and end calls.

Tell Siri when and how to respond to requests

1. Go to Settings  > Accessibility > Siri.
2. Do any of the following:
 - *Set how long Siri waits for you to finish speaking:* Below Siri Pause Time, choose Default, Longer, or Longest.
 - *Change how fast Siri speaks:* Adjust the slider below Speaking Rate.
 - *Decide when Siri responds aloud or in text:* Choose an option below Spoken Responses. You can also [change how Siri responds](#).
 - *Use Siri even when iPad is covered or facing down:* When you set up Siri, "Hey Siri" activates Siri only when your iPad faces up. To change this, turn on Always Listen for "Hey Siri." [Learn how to use Siri](#).
 - *Require "Siri" or "Hey Siri" in order to interrupt Siri:* Turn on Require "Siri" for Interruptions. This can be useful if you use VoiceOver or Voice Control and don't want VoiceOver speech or Voice Control commands to interrupt Siri.

To change how you activate Siri, see [Turn on Siri](#) and [Change when Siri responds](#).

Type instead of speak to Siri

1. Go to Settings  > Accessibility > Siri, then turn on Type to Siri.

If Apple Intelligence* is turned on, this option may not be shown. See [Use Apple Intelligence with Siri](#).
2. To make a request, [activate Siri](#), then interact with Siri using the keyboard and text field.

Have Siri recognize a wider range of speech patterns

When your [primary language is set](#) to English (U.S.), you can have Siri listen for atypical speech. This may be helpful if you have an acquired or progressive condition that affects speech, such as cerebral palsy, amyotrophic lateral sclerosis (ALS), or stroke.

Go to Settings  > Accessibility > Siri, then turn on Listen for Atypical Speech.

You can also teach iPad to perform an action when you speak a word or make a sound of your choosing. See [Use Vocal Shortcuts](#).

Announce calls and notifications for specific apps

You can have Siri [announce notifications](#) from apps like Messages on your iPad speaker, [supported headphones](#), and on [MFi hearing devices](#).

1. Go to Settings  > Accessibility > Siri, then turn on Announce Notifications on Speaker.
2. Tap Announce Notifications, then for each app, choose whether to announce all notifications or only time-sensitive notifications.

End calls with Siri

1. Go to Settings  > Accessibility > Siri, tap Call Hangup, then turn on Call Hangup.

Note: Available in select languages and [on supported models](#). Requires download of speech models.)

2. To end a call, [ask Siri](#) something like, "Siri, hang up." (Participants on the call will hear you.)

You can also [route and automatically answer calls](#) or have Siri [announce and answer calls](#).

*Apple Intelligence is available in beta with support for the following languages: Chinese (Simplified), English, French, German, Italian, Japanese, Korean, Portuguese (Brazil), and Spanish. Some features may not be available in all languages or regions. For more information on language and feature availability or system requirements, see the Apple Support article [How to get Apple Intelligence](#).

Quickly turn accessibility features on or off on iPad

You can quickly turn many accessibility features on or off by clicking an iPad button. You can also use Control Center, Siri, or Vocal Shortcuts.

Use the Accessibility Shortcut

Triple-click the top button or Home button to turn the accessibility features of your choice on or off.

1. Go to Settings  > Accessibility > Accessibility Shortcut, then select the features you want.

If you select only one feature, the feature is immediately turned on or off when you click the button shortcut.

2. Triple-click one of the following:

- The Home button (on an iPad with a Home button)
- The top button (on other iPad models)

To have iPad recognize a slower triple-click, see [Adjust the top or Home button](#).

3. Tap the feature you want to turn on or off (if Accessibility Shortcut is set up with more than one feature).

Note: To add some features—like [Assistive Access](#) or [Guided Access](#)—to the Accessibility Shortcut, you need to set them up first. You can use the Accessibility Shortcut to enter and exit Assistive Access, but you can't use it to turn on other features while Assistive Access is active. To use the Accessibility Shortcut while Guided Access is on, you must turn on Accessibility Shortcut in [Guided Access settings](#)

Use Control Center

You can add accessibility features to [Control Center](#) for quick access when you swipe down from the top-right corner of the screen.

1. To change the features available in Control Center, swipe down from the top-right corner of the screen, tap  in the top-left corner, then tap Add a Control.
2. Tap a control to add it to Control Center. Scroll down to see more controls, including categories of controls for accessibility, hearing, mobility, and vision.

You can change which features appear when you tap  in Control Center. Go to Settings  > Accessibility > Hearing Control Center, then add or remove features.

Use Siri

[Ask Siri](#) something like, "Turn on Voice Control." [Learn how to use Siri](#).

Use a Vocal Shortcut

You can teach iPad to turn on an accessibility feature when you speak a word or another sound of your choosing. See [Use Vocal Shortcuts](#).

Use the Shortcuts app

You can create a shortcut to get one or more tasks done with your apps using just a tap or by asking Siri. For example, if you have short-term memory loss, you can use Remember This to log what happens throughout the day. You can also run the In Case of Emergency shortcut to send your location to your chosen emergency contacts, share a message with custom instructions, and display a message of your choice onscreen for first responders to see. To learn more, see [Run a shortcut from the Shortcuts app on iPhone or iPad](#) in the Shortcuts User Guide.

Share your Accessibility Settings with another device on iPad

You can temporarily share your Accessibility settings with another iPhone or iPad. For example, if you're borrowing a friend's iPhone or using a public iPad, you can share your Accessibility settings with the other device and remove them when you're finished. Some settings you can share with another device include:

- Zoom
- Hover Text and Hover Typing
- Display & Text
- VoiceOver
- Touch Accommodations
- Read & Speak
- Full Keyboard Access
- Live Speech
- Music Haptics
- Audio & Visual
- Top Button and Home Button

Note: Only your Accessibility settings will be shared with the other device during the sharing session.



Share your Accessibility settings with another device

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, then tap Share Accessibility Settings. (You may need to scroll down.)
3. Tap Share Accessibility Settings, then tap Continue.

4. Make sure both devices have [Bluetooth](#) and [Wi-Fi](#) turned on, then do one of the following:
 - *Select a device:* Tap a device in your contacts or a device signed in to your iCloud account.
 - *Bring your iPad to another device:* Tap Search People Nearby, then tap and hold the screen on the other device with three fingers to create a six-digit code. Enter the code on your device, then select the name of the device.

Note: To hear the six-digit code spoken aloud, continue to tap and hold the screen on the other device with three fingers
5. Do either of the following on the other device to accept your request to share your accessibility settings:
 - Tap Accept.
 - Tap and hold the screen on the other device with three fingers.
6. Start using the other device with your Accessibility settings.
7. When you're finished using the device, do any of the following:
 - Tap the Share Accessibility Settings button in the Status Bar, then tap Stop Sharing.
 - Lock your device and let it go to sleep.
 - Triple-click the side or home button.

Note: If you move more than 30 feet away from the device you're sharing your Accessibility settings with, the session automatically ends.

You can also add Share Accessibility settings to your Control Center and start sharing directly from Control Center. See [Customize controls](#).

Sync your Share Accessibility Settings to iCloud

If you use different Accessibility settings on different devices, you can sync your preferences to iCloud so they're available when you share Accessibility settings between different devices. For example, if you sync your iPad settings and later use your iPhone to share with another iPad, your iPad accessibility preferences can be used.

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, then tap Share Accessibility Settings. (You may need to scroll down.)
3. Turn Sync to iCloud on or off.

Vision

Accessibility features for vision on iPad

With built-in accessibility features for vision on iPad, you can make it easier to see what's on the screen, or you can hear what's on the screen spoken out loud. You can even use your iPad as a magnifying glass, and hold it up to get descriptions of what's around you if you can't see it.

To explore accessibility features for vision, go to Settings  > Accessibility. Vision features are at the top.

Hear what's on the screen

Turn iPad into a braille notetaker that can launch apps, perform calculations, open Braille Ready Format (BRF) files, transcribe conversations, and more.

Use Braille Access with a braille display

Customize text appearance for any app with Accessibility Reader. You can also listen to spoken text.

Read or listen to text in apps with Accessibility Reader

Have the built-in screen reader speak what's on the screen. Navigate your iPad with gestures, or with a connected keyboard or braille display.

Turn on and practice VoiceOver

Even when VoiceOver is off, have iPad read all text on the screen, what you're typing, and more.

Hear what's on the screen or typed

Get spoken descriptions of visual content in movies, TV shows, and other media, when available.

Hear audio descriptions for video content

	Use Braille Access with a braille display		Read or listen to text in apps
	Control iPad with VoiceOver		Speak onscreen text
	Hear descriptions of video		

Tip: With [Siri](#) and [Dictation](#), you can complete common tasks and enter text using just your voice.

Get information about your surroundings

Have iPad read text on household appliances, ATMs, and more.

Read aloud text and labels around you

Hold up iPad and get information about what your camera is pointed at, including when people, doors, or text are detected.

Get live descriptions of visual information around you

Use iPad as a magnifying glass to zoom in on items around you.

Magnify and examine objects around you

	Point at text and hear it spoken		Hear about your surroundings
	Get a closer look		

Make text and other onscreen content larger

Enlarge what you're viewing—the entire screen or one part of it.

Zoom in

Adjust the reading size for text across iPad apps and system features.

Make text easier to read

Display a separate window with a larger version of the text that you're typing.

Use Hover Typing

	Zoom in		Make text bigger and bolder
	Enlarge text as you type		

If you use a mouse or trackpad with iPad, you can also [show a larger version of text when you hover over it](#) or [make the pointer easier to see](#).

View what's on the screen more comfortably

Pause animated images, and slow down the motion of interface elements. Or dim your display when media you're viewing depicts strobe or flashing lights.

Stop or reduce onscreen motion

Get animated dots on the edges of the screen that may help reduce motion sickness.

Use iPad more comfortably while riding as a passenger in a vehicle

If you prefer light text on a dark background, choose a dark color scheme for the iPad interface.

Turn Dark Mode on or off

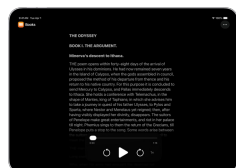
Differentiate content on the screen more easily by inverting colors, applying a color filter, and more.

Change display colors

	Reduce onscreen motion		Use iPad more comfortably in a car
	Use Dark Mode		Adjust the display colors

Read or listen to text in apps with Accessibility Reader on iPad

With Accessibility Reader on iPad, you can read or listen to text in a full-screen view, and customize fonts, layouts, and background colors. You can use Accessibility Reader with any app on your iPad. Accessibility Reader is also built into the Magnifier app , so you can customize text in your surroundings—like in restaurant menus or books. See [view your captured text in a format for easier reading](#) and [listen to your captured text](#).



Turn on and use Accessibility Reader

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, then tap Read & Speak.
3. Tap Accessibility Reader, then turn on Accessibility Reader.

Turn on Autoplay if you want Accessibility Reader to automatically read text aloud.

4. To start using Accessibility Reader, do either of the following:
 - *Use the Accessibility Shortcut:* Open an app, triple-click the side button on your iPad, then tap Accessibility Reader.

Note: To learn how to add Accessibility Reader to your Accessibility Shortcuts, see [Use the Accessibility Shortcut](#).
 - *Use Control Center:* Open an app, [open Control Center](#), then tap Accessibility Reader.

Note: To learn how to add Accessibility Reader to your Control Center, see [Customize controls](#).

Customize text color, font, and spacing in apps

1. Open any app on your iPad, then open Accessibility Reader.

See [Turn on and use Accessibility Reader](#).

Note: Accessibility Reader alerts you if no text is detected.

2. Tap , then tap AA.
3. Select a theme, then tap Edit.

4. Do any of the following:

- *Text Color*: Choose a color or tap Custom Color.
- *Background Color*: Choose a color or tap Custom Color.
- *Text Size*: Drag the slider left or right to make the text smaller or larger.
- *Font*: Choose a font.
- *High Legibility Characters*: Turn on High Legibility Characters for System Fonts.

Note: This option is only available when using System Font.
- *Bold Text*: Turn on Bold Text.
- *Line Spacing*: Choose , , or  to customize the space between lines.
- *Word Spacing*: Choose , , or  to customize the space between words.
- *Character Spacing*: Choose , , or  to customize the space between characters.
- *Readable Content Width*: Choose , , or  to customize the text width.
- *Hyperlinks*: Turn Show Links on or off. When turn on Show Links, you can customize the color.
- *Playback*: Turn Highlighting on or off. When you turn on Highlighting, you can customize the style or highlight color.
- *Rename*: Enter a name for the settings you choose.
- *Reset to Default*: Reset all themes to their default settings.

Tip: Rename a theme with your custom settings so you can easily find it and reuse it later.

Listen to spoken text in apps

1. Open any app on your iPad, then open Accessibility Reader.

See [Turn on and use Accessibility Reader](#).

Note: Accessibility Reader alerts you if no text is detected.

2. Do any of the following:

- *Listen to the text*: Tap .
- *Pause the text*: Tap .
- *Skip backward or forward*: Tap  or .
- *Increase or decrease the speed*: Tap the , then select a speed.
- *Go to a specific time*: Drag the slider left or right.

Note: You can hide or show audio controls in Accessibility Reader: Tap , then tap Hide Audio Controls or Show Audio Controls.

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), magnify only part of the screen with a resizable lens (Window Zoom), or magnify a portion of the screen that stays in one place (Pinned Zoom). And, you can use Zoom together with VoiceOver.



Set up Zoom

1. Go to Settings  > Accessibility > Zoom, then turn on Zoom.
2. Adjust any of the following:
 - *Follow Focus*: Track your selections, the text insertion point, and your typing.
 - *Smart Typing*: Switch to Window Zoom when a keyboard appears.
 - *Keyboard Shortcuts*: Control Zoom using shortcuts on an external keyboard.
 - *Zoom Controller*: Turn the controller on, set controller actions, and adjust the color and opacity.
 - *Zoom Region*: Choose Pinned Zoom, Full Screen Zoom, or Window Zoom.
 - *Zoom Filter*: Choose None, Inverted, Grayscale, Grayscale Inverted, or Low Light.
 - *Maximum Zoom Level*: Drag the slider to adjust the level.
3. If you use iPad with a pointer device, you can also set the following below Pointer Control:
 - *Zoom Pan*: Choose Continuous, Centered, or Edges to set how the screen image moves with the pointer.
 - *Adjust Size with Zoom*: Allow the pointer to scale with zoom.
4. To add Zoom to Accessibility Shortcut, go to Settings > Accessibility > Accessibility Shortcut, then tap Zoom.

Use Zoom

1. Double-tap the screen with three fingers or [use Accessibility Shortcut](#) 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 adjust any of the following:
 - *Choose Region:* Choose Pinned Zoom, Full Screen Zoom, or Window Zoom.
 - *Resize Lens:* (Window Zoom) Tap Resize Lens, then drag any of the round handles that appear.
 - *Choose Filter:* Choose Inverted, Grayscale, Grayscale Inverted, or Low Light.
 - *Show Controller:* Show the Zoom 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 external keyboard, the Zoom region follows the insertion point, keeping it in the center of the screen. See [iPad Magic Keyboard and Smart Keyboard](#).

To turn off Zoom, double-tap the screen with three fingers or [use Accessibility Shortcut](#).

View a larger version of text you're reading or typing on iPad

With Hover Text on iPad, you can move the pointer over text and other items on the screen (such as icons) to view a larger version of them. Or use Hover Typing to display a separate window with a larger version of text that you're typing.

Before you begin

To use Hover Text, you need to connect a pointing device such as a trackpad or mouse with your iPad. On [supported iPad models](#), you can also use Apple Pencil (2nd generation) or Apple Pencil Pro as the pointing device.

You don't need to connect a pointing device to use Hover Typing.

Show a larger version of text when you hover over it

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, tap Hover Text, then turn on Hover Text
3. Move the pointer over text to display a larger version of it. Or hover the tip of a supported Apple Pencil over the text.
4. If you have a connected keyboard, you need to press and hold the Control key to show the Hover Text window.

If you use iPad with a connected keyboard, you can have the Hover Text window automatically displayed when you move the pointer over text, without needing to press and hold a key every time. Go to Settings  > Accessibility > Hover Text, then turn on Activation Lock. To use activation lock, quickly press the Control key three times.

You can change the key you press to activate Hover Text and activation lock. Tap Activation Modifier, then choose another key.

Show a larger version of text you're typing

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, tap Hover Text, tap Hover Typing, then turn on Hover Typing.
3. As you type in a text entry field, a larger version of what you're typing is displayed.

To temporarily hide the Hover Typing window, swipe on it. It reappears when you start typing again.

Customize Hover Text

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, then tap Hover Text.
3. Customize any of the following:
 - *Display mode*: Choose where to show the Hover Text or Hover Typing window—inline (near the cursor), at the top of the screen, or directly above the onscreen keyboard.
 - *Content*: Choose to show Text, Color, or Text & Color.
 - *Scrolling speed*: Choose a faster or slower speed (for scrolling in the Hover Text window when viewing large blocks of text).
 - *Font*: Choose a custom font.
 - *Size*: Adjust the slider to change your preferred reading size.
 - *Text Color*: Choose a text color by Grid, Spectrum, or Sliders.
 - *Background Color*: Choose a background color by Grid, Spectrum, or Sliders.
 - *Border color*: Choose a border color by Grid, Spectrum, or Sliders.
 - *Activation Modifier*: Choose Control, Option, or Command.
 - *Activation Lock*: Turn on Activation Lock.

Customize Hover Typing

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, tap Hover Text, then tap Hover Typing

3. Customize any of the following:

- *Display mode*: Choose where to show the Hover Text or Hover Typing window—inline (near the cursor), at the top of the screen, or directly above the onscreen keyboard.
- *Font*: Choose a custom font.
- *Size*: Adjust the slider to change your preferred reading size.
- *Text Color*: Choose a text color by Grid, Spectrum, or Sliders.
- *Insertion Point Color*: Choose an insertion point color by Grid, Spectrum, or Sliders.
- *Background Color*: Choose a background color by Grid, Spectrum, or Sliders.
- *Border color*: Choose a border color by Grid, Spectrum, or Sliders.
- *Misspelled Word Color*: Choose a color for misspelled words by Grid, Spectrum, or Sliders.
- *Autocorrected Word Color*: Choose a color for autocorrected words by Grid, Spectrum, or Sliders.

Change display colors on iPad to make it easier to see what's onscreen

To make it easier to see what's on your iPad screen, you can invert and filter colors or make transparent items solid.

Tip: Quickly set brightness with the slider in [Control Center](#).

Invert colors

Make the background dark so text and content stand out. This can be especially useful in apps and websites that don't support [Dark Mode](#).

1. Go to Settings  > Accessibility > Display & Text Size.
2. Turn on one of the following:
 - *Smart Invert*: Reverse colors everywhere except images.
 - *Classic Invert*: Reverse all the colors onscreen.

Differentiate or tone down colors

You can apply a filter to view the entire screen in grayscale, adjust colors for color vision deficiencies, or tint the screen a color of your choosing.

1. Go to Settings  > Accessibility > Display & Text Size.
2. Tap Color Filters, turn on Color Filters, then tap a color filter to apply it.

You can drag any slider that appears to adjust the intensity or hue. The pencils reflect how the filter affects a range of colors.

Note: Color filters can change the look of images and videos.

Turn on Reduce White Point to tone down the intensity of bright colors.

To have screen colors become warmer as it gets dark out, use [Night Shift](#). Night Shift automatically removes inverted colors and color filter effects (except grayscale).

You can also use the Magnifier app to capture an image of nearby text or objects and apply a color filter to it. See [Customize controls in Magnifier](#).

Make transparent items solid

Some backgrounds appear transparent or blurred by default. You can make these transparent backgrounds opaque by giving them a solid color. In this way you simplify those parts of your screen and make them easier to see.

1. Go to Settings  > Accessibility > Display & Text Size.
2. Turn on Reduce Transparency.

Differentiate without color

Some screen items rely on color to convey information. You can replace these with alternative ways to tell them apart, like shapes or text.

1. Go to Settings  > Accessibility > Display & Text Size.
2. Turn on Differentiate Without Color.

Use symbols for on/off switches

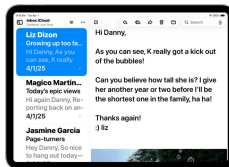
Switches turn green when they are on. You can also have switches use a vertical line to indicate when they're on and a circle to indicate when they're off.

1. Go to Settings  > Accessibility > Display & Text Size.
2. Turn on On/Off Labels.

To apply these settings to only the contents of the zoom window, see [Zoom in](#).

Make text easier to read on iPad

You can make it easier to read text on iPad by increasing its size, making it bold, and more.



Make text bigger and bolder

You can set a single preferred text size for all supported apps (including Calendar, Mail, Messages, Notes, Settings, and more). You can also turn on bold text.

1. Go to Settings  > Accessibility > Display & Text Size.
2. Do any of following:
 - *Make text bigger*: Tap Larger Text, then drag the slider to adjust the text size.

For additional text sizes, turn on Larger Accessibility Sizes.
 - *Make text heavier*: Turn on Bold Text.

Tip: Change the size of text while you're in an app. [Open Control Center](#), then adjust the Text Size slider . If you don't see the Text Size slider, tap + in the top-left corner, tap Add a Control, then tap the Text Size control.

You can also [turn on Display Zoom](#) to increase the size of text as well as interface elements like icons and buttons.

Identify tappable text

You can underline any text that performs an action when you tap it.

1. Go to Settings  > Accessibility > Display & Text Size.
2. Turn on Button Shapes.

You can also [change display colors on iPad to make it easier to see what's onscreen](#) or [zoom in on the screen](#).

Customize onscreen motion on iPad

You can customize movement of some elements on the screen, such as:

- Motion effects for wallpaper, apps, and alerts
- Screen transitions
- Siri animations
- Typing autocompletion
- Animated full-screen and bubble effects in the Messages app
- Animated images on the web and in apps

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, then tap Motion.
3. Do any of the following:
 - *Reduce Motion*: Turn on. (When off, you'll see more motion, like the fluid morphing effects of Liquid Glass.)
 - *Vehicle Motion Cues*: Turn on. You can also customize the appearance of the cues including the pattern, color, and visibility. (When on, dots appear and move on the screen to reduce or stop onscreen motion.)
 - *Dim Flashing Lights*: Turn on. (The display of media automatically dims when flashes or strobe effects are detected.)
 - *Auto-Play Animated Images*: Turn off. (When on, rapid animated images and moving elements such as GIFs in Messages and Safari play automatically.)
 - *Auto-Play Video Previews*: Turn off. (When on, it allows apps such as the App Store to automatically play video previews.)
 - *Auto-Play Message Effects*: Turn off. (When on, the Messages app automatically plays full-screen effects. If you turn this setting off, you can still manually play effects by tapping Replay below the message bubble.)
 - *Prefer Non-Blinking Cursor*: Turn on. (Stop the blinking of the vertical bar that appears at the insertion point where you're typing. If you use a braille display with iPad, the cursor indicator on the display also stops blinking.)
 - *Limit Frame Rate*: Turn on. (On [models with ProMotion display technology](#), this limits the maximum frame rate of the display to 60 frames per second.)

To apply these effects to specific apps, see [Customize visual accessibility settings for specific apps](#).

Important: Your iPad uses an on-device algorithm to detect flashing or strobing lights included in supported media and automatically dims them on your iPad in real time. Motion settings should not be relied upon in high-risk situations, or for the treatment of any medical condition.

Use iPad more comfortably while riding in a vehicle

If you experience discomfort when you use iPad while riding as a passenger in a car or other on-road vehicle, you can turn on Vehicle Motion Cues—onscreen cues that may help reduce motion sickness. Vehicle Motion Cues appear as animated dots on the edges of the screen that represent how the vehicle is moving without interfering with what you're doing on iPad.

Note: Vehicle Motion Cues should not be used while operating a moving vehicle and in other situations requiring attention to safety. For important information about avoiding distractions that could lead to dangerous situations, see [Important safety information](#). Vehicle Motion Cues work best when you're seated facing forward in the vehicle.

Use iPad more comfortably while riding in a vehicle

1. Go to Settings app  on your iPad.
2. Tap Accessibility, then tap Motion.
3. Tap Vehicle Motion Cues, then turn on Vehicle Motion Cues.
4. To show or hide Vehicle Motion Cues, [open Control Center](#), then tap .

Tip: You can also set up a shortcut to turn Vehicle Motion Cues on or off. See [Quickly turn accessibility features on or off](#).

Customize Vehicle Motion Cues

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, then tap Motion.
3. Tap Vehicle Motion Cues, then tap Customize Appearance.
4. Customize any of the following:
 - *Pattern:* Select Regular for a stable and predictable pattern, or Dynamic for a more engaging visual experience.
 - *Color:* Select a color. Color saturation will automatically adjust to maintain contrast with the content behind each dot.
 - *Visibility:* Select Larger Dots to increase the size of the dots or More Dots to increase the number of dots.

Customize visual accessibility settings for specific apps on iPad

You can choose different color, text size, and motion settings for certain apps or for the Home Screen and App Library.

1. Go to Settings  > Accessibility > Per-App Settings.
2. Tap Add App, then choose an app from the list (or Home Screen & App Library).

3. Tap the name of the app (or Home Screen & App Library) to access its settings.

Hear iPad speak the screen, selected text, and typing feedback

Even if VoiceOver is turned off, you can have iPad read text on the screen out loud. Have iPad read the entire screen or a specific selection. Or hear what you type spoken out loud, character by character or word by word.

Have iPad speak onscreen text

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, then tap Read & Speak.
3. Turn on and customize any of the following:
 - *Accessibility Reader*: Turn on Accessibility Reader to read or listen to text in a full-screen view, and customize fonts, layouts, and background colors. Turn on Autoplay if you want Accessibility Reader to automatically read text aloud.

See [Read or listen to text in apps with Accessibility Reader](#).

- *Speak Screen*: Tap Speak Screen, then turn on Speak Screen to have iPad read all text on the screen, then do any of the following:

Highlighting: Customize the highlight style, color, and selection for in-app text that is spoken aloud.

Show Controller: Turn on Show Controller to keep the Speak Screen controls on the screen.

Controller Actions: Choose what happens when you long press or double-tap the screen. You can also reduce the size of the speech controller when you're not using it.

- *Speak Selection*: Turn on Speak Selection to have iPad speak the text you select. Customize the highlight style, color, and selection for in-app text that is spoken aloud.

4. Do any of the following:
 - *Hear selected text (if you turned on Speak Selection)*: Select the text you want spoken, then tap Speak.
 - *Hear all text on the screen (if you turned on Speak Screen)*: Swipe down with two fingers from the top of the screen.

Use the controls that appear to pause speaking, adjust the rate, navigate forward or back to the content you want to hear, or use Speak on Touch (tap the text you want iPad to read).

[Ask Siri](#) something like, "Speak screen." [Learn how to use Siri](#).

Change how spoken content sounds

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, then tap Read & Speak.

3. Adjust any of the following:

- *Voices*: Choose a voice and dialect.
- *Default Language*: Choose a default language that iPad will speak.
- *Detect Languages*: Turn on Detect Languages to have iPad automatically detect and speak multiple languages.
- *Speaking Rate*: Drag the slider.
- *Pronunciations*: Dictate or spell out how you want certain phrases to be spoken.

Hear audio descriptions for video content on iPad

If you can't see your screen and your content includes audio descriptions, you can listen to an audio description—a separate audio track that narrates or describes the visual content of a clip, show, or movie.

1. Go to Settings  > Accessibility > Audio Descriptions.
2. Turn on Audio Descriptions.

If you don't see audio descriptions, see the Apple Support article [Turn on audio descriptions on your iPhone or iPad](#).

If you're a content creator and want to add audio descriptions to a file, see [Add descriptive audio tracks](#) in the Compressor User Guide.

VoiceOver

Turn on and practice VoiceOver on iPad

With VoiceOver—a gesture-based screen reader—you can use iPad even if you can't see the screen. VoiceOver gives audible descriptions of what's on your screen—for example, hear the battery level, who's calling, or what item your finger is on. You can also customize the VoiceOver speaking voice 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 screen 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, do any of the following:

- Go to Settings  > Accessibility > VoiceOver, then turn VoiceOver on or off.
- Use [Control Center](#) if you've added VoiceOver there.

- Use [the Accessibility Shortcut](#) if you've set it up to turn on VoiceOver.

[Ask Siri](#) something like, "Turn on VoiceOver." [Learn how to use Siri](#).

Siri knows when VoiceOver is on and often reads more information back to you than appears on the screen. You can also use VoiceOver to read what Siri shows on the screen.

Use an interactive tutorial to learn VoiceOver

You can learn VoiceOver basics and practice essential gestures with the interactive VoiceOver Tutorial.

With VoiceOver turned on, go to Settings  > Accessibility > VoiceOver, then tap VoiceOver Tutorial to get started.

Practice VoiceOver gestures

You can use the VoiceOver Practice area to safely try out VoiceOver gestures and hear what they do—without performing any action or otherwise affecting iPad.

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  > 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 volume of VoiceOver speech and sounds

- To increase or decrease your iPad's volume, including the volume of VoiceOver speech and sounds, as well as all other iPad audio, press the volume buttons on iPad.
- To temporarily reduce the volume of other iPad audio while VoiceOver is speaking, go to Settings  > Accessibility > VoiceOver > Audio, tap Audio Ducking, then select When Speaking. Drag the Ducking Amount slider to set how much the volume decreases for other iPad audio—like media and calls—when VoiceOver is speaking.

- To set other audio options, go to Settings  > Accessibility > VoiceOver > Audio, then set options such as the following:
 - *Sounds*: Adjust and preview sound effects.
 - *Send to HDMI*: Route audio to externally connected devices, such as an instrument amplifier or a DJ mixer.

Set the VoiceOver language

- *Change the primary language*: VoiceOver uses the same language you choose for your iPad. To choose a different primary language, go to Settings  > General > Language & Region, then tap Add Language.
- *Switch languages using the rotor*: [Use the rotor](#) to switch to a voice for another language.
- *Automatically switch languages*: VoiceOver can detect text in another language and automatically switch to a voice for that language. Go to Settings > Accessibility > VoiceOver > Speech, then turn on Detect Languages.

Note: VoiceOver isn't available in all languages. See the Apple Support article [Languages supported by VoiceOver](#).

Change the speaking voice

You can change the VoiceOver speaking voice, or add another voice [use the rotor](#) to switch between voices as needed.

1. Go to Settings  > Accessibility > VoiceOver.
2. Tap Speech, then do one of the following:
 - *Change the primary voice*: Tap the name of the current primary voice, then tap Voice.
 - *Add another voice*: Tap Add Rotor Voice.
3. Choose a voice. To choose an enhanced voice, tap  first.

Adjust the speaking voice

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

- *Adjust the speaking rate*: Drag the Speaking Rate slider.
- *Adjust the pitch*: Tap Speech, tap a voice, then drag the slider. You can also turn on 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 > 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 turned on Enable Dictation in Settings > General > Keyboards.

Set how much VoiceOver tells you

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

- *Change how VoiceOver speaks punctuation*: Tap Punctuation, then choose a group. You can also create new groups—for example, a programming group in which "[" is spoken as "left bracket."

- *Change how VoiceOver reads notifications:* Tap System Notifications. By default, VoiceOver reads notifications, including incoming text messages, as they occur—even if iPad is locked. Unacknowledged notifications are repeated when you unlock iPad.
- *Choose additional options:* Have VoiceOver speak hints, uppercase letters, embedded links, and more. VoiceOver can even confirm rotor actions and tell you when the flashlight is turned on.

Customize VoiceOver settings for an activity

You can customize a group of VoiceOver settings for an activity, such as programming. Then, when you open certain apps or adjust the rotor, the settings for speech, audio, verbosity, typing, navigation, and braille are applied automatically.

1. Go to Settings  > Accessibility > VoiceOver > Activities.
2. Choose an existing activity or tap Add Activity.
3. Adjust the settings, then below Automatic Switching, do any of the following:
 - *Apply the settings for certain apps:* Tap Apps, then select the ones you want this setting to apply to.
 - *Apply the settings for certain contexts:* Tap Context, then select one or more contexts, such as Word Processing, Messaging, or Console.

Use flat or grouped navigation

Go to Settings  > Accessibility > VoiceOver > Navigation Style, then choose one of the following:

- *Flat:* VoiceOver moves sequentially through each item on the screen when you use the move next and previous commands.
- *Grouped:* VoiceOver moves through items and groups of items on the screen. To move into a group, use a two-finger swipe right. To move out of a group, use a two-finger swipe left.

Set a delay between touching the screen and selecting an item

You can control the amount of time between when you touch the screen and when VoiceOver selects the item you've touched. Increasing this value may help reduce accidental touches.

Go to Settings  > Accessibility > VoiceOver, tap Delay before Selection, then tap  or  to increase or decrease the delay.

Adjust VoiceOver visuals

Go to Settings  > Accessibility > VoiceOver, then turn on any of the following:

- *Large Cursor:* If you have difficulty seeing the outline around the selected item, you can enlarge and thicken the outline.
- *Caption Panel:* The text spoken by VoiceOver is displayed at the bottom of the screen.

Use Quick Settings to adjust VoiceOver from anywhere on iPad

When VoiceOver is turned on, you can access Quick Settings by doing a two-finger quadruple tap.

To customize Quick Settings, do the following:

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

2. Choose the settings you want, or drag ≡ to reorder settings.

Reset VoiceOver settings

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, then tap VoiceOver.
3. Tap Reset VoiceOver Settings. (You may need to scroll down.)

Reset VoiceOver Commands

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, then tap VoiceOver, then tap Commands.
3. Tap Reset VoiceOver Commands.

Use VoiceOver gestures on iPad

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	Gesture
Select and speak an item	Tap or touch the item
Select the next item	Swipe right
Select the previous item	Swipe left
Move into a group of items	Two-finger swipe right
Move out of a group of items	Two-finger 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
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For more information about navigation styles, see [Use flat or grouped navigation](#).

Scroll up, down, left, and right

Use VoiceOver gestures to move to another page.

Action	Gesture
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	Gesture
Select an item	Tap
Activate the selected item	Double tap
Touch and hold (long press) the 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.

Action	Gesture
Mute or unmute VoiceOver	Three-finger double tap. If both VoiceOver and Zoom are turned on, 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 black and appears to be turned off.)	Three-finger triple tap. If both VoiceOver and Zoom are turned on, 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. If you use Braille Screen Input to type braille directly on the screen , when you're not entering text, you can type to search for an item. To dismiss the Item Chooser without making a selection, do a two-finger scrub (move two fingers back and forth three times quickly, making a "z").
Open the VoiceOver quick settings	Two-finger quadruple tap.
Start or stop Live Recognition	Four-finger triple tap. See Get live descriptions of your surroundings with VoiceOver .

Use the VoiceOver rotor

You can use the onscreen 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. See [Control VoiceOver using the rotor](#).

You can use these gestures with the rotor.

Action	Gesture
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

Operate iPad when VoiceOver is on

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

- *On an iPad with a Home button:* Press the Home button using the finger you registered with Touch ID.
- *On an iPad with Touch ID:* Rest your finger on the top button using the finger you registered with Touch ID.
- *On an iPad with Face ID:* Wake iPad and glance at it, then drag up from the bottom edge of the screen until you hear two rising tones (if Face ID is enabled).

If prompted, 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.
- On an iPad with a Home button, press 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 four fingers to cycle through the open apps.

Alternatively, you can use the App Switcher.

1. To open the App Switcher, do one of the following:
 - 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 (on an iPad with a 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.

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 (move two fingers back and forth three times quickly, making a "z").

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 (move two fingers back and forth three times quickly, making a "z").

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

Do one of the following:

- *Drag and drop:* Tap an icon on the Home Screen, then double-tap and hold your finger on the screen until you hear three rising 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.

Control VoiceOver using the rotor on iPad

You can use the onscreen 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 external 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, swipe down or up to move the VoiceOver cursor to the next or previous heading.

Customize the VoiceOver rotor

1. Go to Settings  > Accessibility > VoiceOver.
2. Do any of the following:
 - *Add or reorder the rotor settings:* Tap Rotor, then choose the settings you want, or drag  to reorder settings.
 - *Add another language:* See [Change the speaking voice](#).
 - *Have VoiceOver confirm rotor actions:* Tap Verbosity, then turn on Speak Confirmation.

Use the onscreen keyboard with VoiceOver on iPad

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. To enter text, do one of the following:
 - *Standard typing:* Select a key by swiping left or right on the keyboard, 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, do one of the following:

- *Standard typing:* 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.

Edit text with the onscreen keyboard

- *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:* Do any of the following:
 - 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. (You may need to enable Text Selection—go to Settings  > Accessibility > VoiceOver > Rotor.)
 - 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 (move two fingers back and forth three times quickly, making a "z") 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

1. Go to Settings  > 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.
- *Verbosity*: Tap Deleting Text. To have VoiceOver speak deleted characters in a lower pitch, tap Change Pitch.

Write with your finger in VoiceOver on iPad

With handwriting mode in VoiceOver, you can enter text by writing characters on the screen with your finger. In addition to typing or dictation, use handwriting mode to enter your iPad passcode silently or to open apps from the Home Screen.

Use handwriting mode

1. Set the rotor to Handwriting.

If Handwriting isn’t in the rotor, go to Settings  > 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 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 (move two fingers back and forth three times quickly, making a “z”), 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.

Keep the screen off when you use VoiceOver on iPad

If you use VoiceOver on iPad, and don't need to see what's on the screen, you can turn on the screen curtain to improve battery life and maintain privacy. When the screen curtain is on, your iPad is active even though the display is off.

With VoiceOver on, triple-tap with three fingers to turn the screen curtain on or off. If both VoiceOver and the Zoom feature are turned on, quadruple-tap with three fingers.

Use VoiceOver on iPad with an Apple external keyboard

If you [use an Apple external keyboard](#) with iPad, you can use keyboard shortcuts to activate VoiceOver commands.

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 VoiceOver modifier

The modifier is a key or set of keys you press with one or more other keys to enter VoiceOver commands. You can set the modifier to be the Caps Lock key or the Control and Option keys pressed at the same time.

1. Go to Settings  > Accessibility > VoiceOver > Typing > Modifier Keys.
2. Choose the modifier for VoiceOver commands: the Caps Lock key or the Control and Option keys.

This modifier is abbreviated as "VO" below.

VoiceOver keyboard commands

You can control VoiceOver using key combinations.

(VO = modifier keys)

Action	Shortcut
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
Touch and hold the selected item	VO-Shift-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
Go to the Home Screen	VO-H
Move to the status bar	VO-M
Open the notifications screen	Move to the status bar (VO-M), then Option-Up Arrow
Open Control Center	Move to the status bar (VO-M), then Option-Down Arrow
Open Search	Option-Up Arrow
Open the App Switcher	VO-H-H
Switch apps	Command-Tab or Command-Shift-Tab
Open the Item Chooser	VO-I
Change the label of the selected item	VO-Slash
Start, stop, or pause an action	VO-Hyphen
Swipe up or down	VO-Up Arrow or VO-Down Arrow
Turn the rotor left or right	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-Fn-Hyphen (or VO-Globe key-Hyphen, depending on your keyboard)
Return to the previous screen	Esc

Quick Nav using the arrow keys

Turn on Quick Nav to control VoiceOver using the arrow keys.

Action	Shortcut
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

Single-key Quick Nav for web browsing

To navigate a webpage quickly, turn on Quick Nav (VO-Q), then press keys on the keyboard to navigate to specific item types, such as headings or links. To move to the previous item, hold the Shift key as you press a key for the item type.

Item type	Shortcut
Heading	H
Link	L
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.

Action	Shortcut
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
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

Use a braille display with VoiceOver on iPad

With VoiceOver, you can connect a Bluetooth® wireless refreshable braille display and use it to control and navigate iPad and read what's on the screen. The braille you type on the display is automatically translated into text, and the display shows what you're typing in context. You can read and type using contracted or uncontracted braille, with support for many international braille tables.

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 and learn commands to control iPad

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 > Accessibility > VoiceOver > Braille, then choose the display.
4. To see the braille commands for controlling iPad, tap More Info, then tap Braille Commands.

See the Apple Support article [Common braille commands for VoiceOver on your iPhone, iPad, and iPod touch](#).

Change the braille display settings

1. On iPad, go to Settings  > Accessibility > VoiceOver > Braille.
2. Set any of the following:

Setting	Description
Match Input and Output Tables	Set the braille display to use the same method for both the input and read output.

Input and Output	Choose the braille table you want to use to type braille input and output. You can choose from tables for additional languages as well as six-dot or eight-dot and contracted or uncontracted braille.
Braille Screen Input	Choose the input method for entering braille using the screen. See Type braille on the screen .
Braille Tables	Add tables to the braille table rotors.
Braille Access	Quickly access braille notes, BRF files, and more using a braille display. See Change the braille display settings .
Item Overview	Adjust the number of cells displayed per item. Press dots 6, 7, and 8 at the same time to turn Item Overview on or off.
Automatic Translation	Turn this option on to automatically translate the braille you type into text soon after you stop typing.
Status Cells	Turn on the general and text status cells and choose their location.
Equations use Nemeth Code	Turn on Nemeth Code for mathematical equations.
Show Onscreen Keyboard	Display the keyboard on the screen.
Turn Pages when Panning	Automatically turn pages when panning.
Word Wrap	Wrap words to the next line.
Text Formatting	Display text formatting attributes like bold and italics.
Use Underline Cursor	Display the cursor as an underline.
Braille Alert Messages	When turned on, your braille display shows an alert message for the specified duration.
Ignore Chord Duration	Adjust the amount of time required before subsequent key presses are recognized as braille chords.
Auto Advance Duration	Adjust this setting to your preferred reading speed.
Sound Curtain	When a braille display is connected to iPad, mute most sounds. Emergency alerts will still play sounds.
Enable Bluetooth on Start	Automatically turn on Bluetooth when you turn on VoiceOver so that braille displays can connect to iPad.

Output closed captions in braille during media playback

1. On iPad, go to Settings  > Accessibility > VoiceOver > Verbosity.
2. Choose Braille or Speech and Braille.

Use a 2D braille display

If you use a supported 2D braille display, you can use the rotor to switch between different output modes, such as the mode for displaying images or the mode for reading text on multiple lines.

1. [Connect your braille display](#) to iPad.
2. With VoiceOver turned on, use the Braille Text Mode rotor to switch between output modes. See [Control VoiceOver using the rotor](#).

Type braille directly on the iPad screen with VoiceOver

When you turn on Braille Screen Input in VoiceOver, you can use your fingers to type braille directly on the iPad screen, without a physical braille keyboard. You can also use Braille Screen Input to enter braille commands for navigating and controlling your iPad.

Enter braille on the screen

1. With VoiceOver turned on, do one of the following to start Braille Screen Input:
 - *Use a gesture:* Place one finger from each hand at the top and bottom edges of the screen and double-tap. If the gesture doesn't work, go to Settings  > Accessibility > VoiceOver > Braille. Tap Braille Screen Input, then turn on Use Activation Gestures.
 - *Use the rotor:* When you're in a text input area, [set the rotor](#) to Braille Screen Input. If Braille Screen Input isn't in the rotor, go to Settings  > Accessibility > VoiceOver > Rotor. Tap Rotor Items, then select Braille Screen Input.
2. Place iPad in one of the following positions:
 - *Tabletop mode:* Lay iPad flat in front of you.
 - *Screen away mode:* Hold iPad in landscape orientation with the screen facing away from you. Your fingers wrap around the sides of iPad to tap the screen.

3. Enter braille characters by tapping the screen with one or more fingers at the same time.

Tip: To hear where each dot is located, touch and hold, then drag your finger around the screen. To move the entry dots to match your natural finger positions, double-tap all six typing fingers at the same time (your right three fingers for dots 4, 5, and 6, and your left three fingers for dots 1, 2, and 3).

You can also use gestures to perform actions such as the following:

Action	Gesture
Enter a space	Swipe right with one finger; in screen away mode, swipe to <i>your</i> 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
Cycle through modes (like Braille Entry Mode and Command Mode)	Swipe left or right with three fingers
Translate immediately (if you're typing contracted braille)	Swipe down with two fingers
Switch to the next braille table	Swipe up with two fingers

4. To exit Braille Screen Input, slide two fingers in opposite directions, or do a two-finger scrub (draw the letter "z" by quickly moving two fingers back and forth three times).

Tip: You can view and edit the commands and gestures you can perform when Braille Screen Input is turned on. Go to Settings > Accessibility > VoiceOver > Commands > Braille Screen Input.

Type on the screen to enter braille commands

With Braille Screen Input Command Mode, you can control iPad by typing braille commands on the screen. You can use the same commands you use with a refreshable braille display.

1. With VoiceOver turned on, place one finger from each hand at the top and bottom edges of the screen and double-tap to start Braille Screen Input.
2. Switch to Command Mode by swiping left or right with three fingers.
3. Type braille commands directly on the screen.

See the Apple Support article [Common braille commands for VoiceOver on your iPhone, iPad, and iPod touch](#).

Change Braille Screen Input settings

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, then tap VoiceOver
3. Tap Braille, then tap Braille Screen Input.

4. Set any of the following:

- *Use Activation Gestures:* To start Braille Screen Input, place one finger from each hand at the top and bottom edges of the screen and double-tap. If this option is off, use the rotor to start Braille Screen Input.
- *Start Automatically when Editing Text:* Have Braille Screen Input start automatically when you enter a text input area.
- *Keep Active until Dismissed:* After you launch an app or choose an item in Braille Entry Mode, automatically switch to Command Mode and keep it active.
- *Customize Commands:* Navigate to the command you want to customize, then tap Assign New Braille Keys.
- *Learn Dot Positions:* Have Braille Screen Input calibrate the positions of dots as you enter them.
- *Reverse Dot Positions:* For six-dot braille, swap the positions of dots 1 and 3, and dots 4 and 6.
- *Visual Text Feedback:* As you type in braille, display a text translation of what you're typing.
- *Typing Feedback:* Get sound feedback as you enter text with Braille Screen Input.
- *Mode announcements:* When you switch Braille Screen Input modes, have VoiceOver speak, play sounds, or both.
- *Choose a Braille table:* Select a braille format.

Use Braille Access with a braille display on iPad

With Braille Access, you can turn your iPad into a braille notetaker that can easily open any app by typing with a connected braille display. You can perform calculations, open Braille Ready Format (BRF) files, transcribe conversations with Live Captions, and more.

Note: Live Captions is available on [supported models](#). Live Captions isn't available in all countries or regions. The accuracy of Live Captions may vary and shouldn't be relied upon in high-risk or emergency situations.



Navigate the Braille Access menu

1. Connect your braille display to your iPad, then turn on VoiceOver. See [connect a braille display](#) and [turn VoiceOver on or off](#).

2. Press dots 7 and 8 together or use the Toggle Braille Access command on your braille display.

If you're using an eight-dot table, press dots 7 and 8 and the Space bar together.

To access the Toggle Braille Access command on your iPad, go to the Settings app  > Accessibility > VoiceOver > Braille > tap  next to your braille display (you may need to scroll down) > Braille Commands > Braille > Toggle Braille Access.

Navigate the Braille Access menu

3. Do any of the following:
 - *Next item or line:*
 - Use the Next command: dot 4 + Space
 - Use the panning button on your braille display
 - *Previous item or line:*
 - Use the Previous command: dot 1 + Space
 - Use the panning button on your braille display
 - *Go to the first item on the menu:*
 - Use the First Item command: dots 1, 2, 3 + Space
 - *Go to the last item on the menu:*
 - Use the Last Item command: dots 4, 5, 6 + Space
 - *Go to the previous screen:*
 - Use the Back command: dots 1, 2, + Space
 - *Select a menu item:*
 - Use the Return command: dot 8
 - *Open a context menu:*
 - Use the Delete command: dot 7
 - *Search for text:*
 - Use the Search command: dots 1, 2, 4 + Space
 - *Exit Braille Access:*
 - Press dots 7 + 8

Use Braille Access with a braille display

1. Connect your braille display to your iPad and turn on VoiceOver. See [connect a braille display](#) and [turn VoiceOver on or off](#).

2. Press dots 7 and 8 together or use the Toggle Braille Access command on your braille display.

If you're using an eight-dot table, press dots 7 and 8 and the Space bar together.

To access the Toggle Braille Access command on your iPad, go to the Settings app  > Accessibility > VoiceOver > Braille > tap  next to your braille display (you may need to scroll down) > Braille Commands > Braille > Toggle Braille Access.

3. Do any of the following:

- *Launch App*: Choose an app to open—such as Mail, News, or Wallet.
- *Choose Item*: Choose an item to open on the screen—such as dictate, compose, or edit.
- *Braille Notes*: Enter New > New Note or New Folder to create a new note or folder. You can access your notes here after you create them.

Note: Your braille notes will sync to iCloud.

- *BRF Files*: Enter New > File name or New folder name to create a new BRF file or folder. You can open your BRF files here after you create them. You can also search for text and add bookmarks that sync with iCloud.

- To search for text, use the context menu or Text Search command (dots 1, 2, 4 + Space).
- After you search for text or move a bookmark, use the Return command (dot 8) to keep searching or moving to other bookmarks.

Note: Opening Braille Access creates a BRF Files folder in iCloud Drive. You can't change the location of BRF Files in iCloud.

- *Calculator*: Use Nemeth or UEB Math to type calculations.

Note: A visual representation of the formula appears on the screen if Show Visuals is enabled.

- *Live Captions*: Enter Live Captions and iPad will listen to your surroundings and translate it in braille on your device.

New transcriptions you haven't read appear surrounded by full cells (dots 1, 2, 3, 4, 5, 6, 7, 8) on your braille display.

Note: Press any router key to bring the focus to the latest caption line.

- *Time*: Check the current time on your iPad.
- *Close*: Close the Braille Access menu.

Note: In most pages of Braille Access, you can select Close or Back at the bottom of the menu. See [Exit Braille Access](#).

You can start typing right away if the menu item has a cursor at the end. See the Apple Support article [Common braille commands for VoiceOver on your iPhone, iPad, and iPod touch](#).

Manage Braille Notes, BRF files, and Live Captions with Context Menus

After you create Braille Notes and BRF files in Braille Access, you can organize them with Context Menus. You can also pause and listen to audio in Live Captions. To learn how to create notes, folders, and BRF files, see [Use Braille Access with a braille display](#).

1. Connect your braille display to your iPad, then turn on VoiceOver. See [connect a braille display](#) and [turn VoiceOver on or off](#).
2. Press dots 7 and 8 together or use the Toggle Braille Access command on your braille display.

If you're using an eight-dot table, press dots 7 and 8 and the Space bar together.

To access the Toggle Braille Access command on your iPad, go to the Settings app  > Accessibility > VoiceOver > Braille > tap ⓘ next to your braille display (you may need to scroll down) > Braille Commands > Braille > Toggle Braille Access.

3. Do any of the following:
 - *Braille Notes*: Navigate to a note or folder, then open the Context Menu by using the Delete command (dot 7). Do any of the following:
 - *Move*: Move the note or folder to a new location.
 - *Delete*: Delete the note or folder.
 - *Pin*: Pin the note or folder for easier access.
 - *BRF Files*: Navigate to a BRF file, then open the Context Menu by using the Delete command (dot 7). Do any of the following:
 - *Find*: Find a specific BRF file.
 - *Previous Find*: View your previous Find searches.
 - *Add Bookmark*: Add a bookmark for easier access.
 - *Move*: Move the file to a new location.
 - *Delete*: Delete the file.
 - *Rename*: Rename the file.
 - *Live Captions*: Open Live Captions, then open the Context Menu by using the Delete command (dot 7). Do any of the following:
 - *Pause*: Pause Live Captions.
 - *Listen to audio*: Listen to audio descriptions of your surroundings.
 - *Type to speak*: Type on your braille device to have Mac speak it aloud.
 - *Summarize*: If you have [Apple Intelligence](#) turned on, you can get a summary of the audio in your surroundings.

Exit Braille Access

If you have [Braille Access](#) open on your iPad and you want to exit, do any of the following:

- Use the Home or Back command on your braille display.

See the Apple Support article [Common braille commands for VoiceOver on your iPhone, iPad, and iPod touch](#).

- Press dots 7 and 8 together on your braille display.
- Select Close or Back at the bottom of the menu to exit Braille Access.

Change Braille Access settings

1. Go to the Settings App  on your iPad.
2. Tap Accessibility, tap VoiceOver, tap Braille, then tap Braille Access.
3. Do any of the following:
 - *Main Menu Items*: To customize which menu items appear in Braille Access, tap an item. To change the order that the items appear in, tap and drag  to the desired place.
 - *Open to Last Position*: Turn on Open to Last Position to allow previous settings to appear when Braille Access is reopened.
 - *Speak List Items*: To have iPad speak items aloud, turn on Speak List Items.
 - *Show Visuals*: Turn Show Visuals on or off.
 - *Typing Speech Feedback*: Turn Typing Speech feedback on or off.
 - *Braille Notes*: Sort notes by the date edited or created. You can also sort the order of notes by oldest or newest.
 - *BRF Files*: Turn Fit BRF Content on or off. Turn Hide BRF Page Indicators on or off.
 - *Calculator*: Choose Nemeth or UEB Math as the math code.
 - *Live Captions*: Choose Microphone or iPhone Audio as the source for Live Captions.

Customize VoiceOver gestures and keyboard shortcuts on iPad

You can customize the gestures and keyboard shortcuts that activate VoiceOver commands.

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, tap VoiceOver, then tap Commands.

3. Tap any of the following:

- *All Commands*: Navigate to the command you want to customize, then tap Edit, Add Gesture, or Add Keyboard Shortcut.
- *Touch Gestures*: List the gestures and the associated commands.
- *Keyboard Shortcuts*: Navigate to the shortcut you want to customize, then enter the key combination.
- *Magic Tap*: Turn on Magic Tap to pause or play media when no other action is available.
- *Handwriting*: List the gestures for handwriting and the associated commands.
- *Braille Screen Input*: List the gestures for Braille Screen Input and the associated commands.
- *Braille Screen & Braille Keyboard Input*: Navigate to the command you want to customize, then tap Assign New Braille Keys.

To clear your custom gestures and keyboard shortcuts, tap Reset VoiceOver Commands.

Use VoiceOver on iPad with a pointer device

If you use a pointer device with iPad, you can adjust how it works with VoiceOver.

1. Go to Settings  > Accessibility > VoiceOver.
2. Below Pointer Control, tap any of the following:
 - *Pointer*: Set the pointer to ignore, follow, or move the VoiceOver cursor.
 - *Speak Under Pointer*: You can adjust the delay to speak the item under the pointer.

Get live descriptions of your surroundings with VoiceOver on iPad

If you're blind or have low vision, you can use VoiceOver Recognition on iPad to scan your surroundings and get live descriptions of the scenes detected in the camera view. You can also get descriptions of onscreen images and interface elements, even in apps and on webpages that don't provide accessibility information.

Important: VoiceOver Recognition should not be relied upon in circumstances where you could be harmed or injured, in high-risk situations, for navigation, or for the diagnosis or treatment of any medical condition.

Get live descriptions of your surroundings

1. With VoiceOver on, triple-tap the screen with four fingers to start Live Recognition.

2. Choose the kinds of visual information you want VoiceOver to describe, like scenes, people, doors, furniture, or text. At the bottom of the screen, select a category, then double-tap to turn it on or off. If you turn on Point & Speak, you can point your finger at text and have VoiceOver read it aloud.

Note: Detection of people, doors, and furniture is available only on [supported iPad models](#).

3. Position iPad so the rear camera can detect what's around you. VoiceOver describes what it detects.

To interrupt VoiceOver speech and move to the next detected item, tap the screen with two fingers.

4. To turn off Live Recognition, triple-tap the screen with four fingers. Or if the VoiceOver cursor is focused on an interface element for Live Recognition, do a two-finger scrub (move two fingers back and forth three times quickly, making a "z").

Tip: You can set up a shortcut to quickly start and stop Live Recognition. See [Set up shortcuts for Live Recognition](#).

You can also use Detection Mode in the Magnifier app to detect and describe scenes, people, and more. See [Get live descriptions of visual information around you with Magnifier](#).

To change Live Recognition settings, go to the Magnifier app , tap , then tap Detect. Tap [Scenes](#), [People](#), [Doors](#), [Furniture](#), [Text](#), or [Point & Speak](#).

Get descriptions of images in apps and on the web

With VoiceOver Recognition, you can get descriptions of the people, objects, and text in images in apps and on webpages, even if they don't provide accessibility information. You can move your finger over a photo to discover a person's position relative to other objects, or navigate nutrition labels and receipts in the order items are listed.

1. Go to Settings  > Accessibility > VoiceOver > VoiceOver Recognition, then turn on Image Descriptions.
2. To get descriptions of text found in images, turn on Text Recognition.
3. Go to an app such as Photos  or Safari , then select an image.
4. Swipe up to hear more options, then double-tap when you hear Explore Image
5. Move your finger around the image to find out the position of each object.

You can [add custom descriptions](#) to your images with Markup.

Note: Image descriptions aren't available in all languages. See the [iOS and iPadOS 18 Feature Availability website](#).

Get descriptions of interface elements

With VoiceOver Recognition, you can get descriptions of interface elements in apps and on webpages, even if they don't provide accessibility information.

1. Go to Settings  > Accessibility > VoiceOver > VoiceOver Recognition.
2. Turn on Screen Recognition.

Use VoiceOver in apps on iPad

You can use VoiceOver in all the built-in apps that come with your iPad—such as Safari, Maps, and more. With VoiceOver Recognition, you can get descriptions of images and screen elements on webpages and in apps, even if they don't provide accessibility information.

Browse the web in Safari

1. With VoiceOver on, go to the Safari app  on your iPad.
2. Do any of the following:
 - *Search the web:* Select the address field, double-tap to show the keyboard, then enter a search term, phrase, or URL. Double-tap Go, or select a search suggestion, then double-tap.
 - *Skip to the next element on a webpage:* 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  > Accessibility > VoiceOver > Rotor. Select or deselect items, or drag  up or down to reposition an item.
 - *Skip images while navigating:* Go to Settings  > Accessibility > VoiceOver > Navigate Images. You can choose to skip all images or only those without descriptions.
 - *Reduce page clutter for easier reading and navigation:* In the Safari address field, select the Format Options button, double-tap, select Show Reader View (not available for all webpages), then double-tap.

Tip: If you [use an Apple external keyboard](#) with iPad, you can [use single-key Quick Nav for web browsing](#).

Navigate in Maps

1. With VoiceOver on, go to the Maps app  on your iPad.

2. Do any of the following:

- *Control how the map tracks your current location:* Select , then 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 up or down with one finger.
- *Pan the map:* Select the map, then swipe with three fingers.
- *Browse locations and pins on the map:* Select the map, 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.
- *Get information about a location:* Select the location (for example, a business, landmark, or pin), then double-tap to open the information card. Swipe left or right to hear information such as directions, street address, phone number, business hours, and customer reviews.
- *Get guidance to the starting point:* When you start walking directions in Maps, iPad guides you in the direction of the starting point using sound.
- *Get a description of the map:* Tap the screen with three fingers to get information about nearby places, including directions and distances.

Read PDFs

In the Books and Files apps, you can use VoiceOver to read PDFs. VoiceOver even describes detailed information—such as forms, tables, and lists.

Take photos and videos

1. With VoiceOver on, go to the Camera app  on your iPad. VoiceOver describes objects in the viewfinder.
2. Select Camera Mode, then swipe up or down with one finger to switch between modes, like Photo or Video.
3. To take a photo or start or stop recording a video, double-tap the screen with two fingers.

Trim voice memo recordings

You can use VoiceOver to edit recordings in the Voice Memos app.

1. With VoiceOver on, go to the Voice Memos  app on your iPad.
2. Select the recording you want to trim, then double-tap.
3. Select Edit at the top right, then double-tap.

4. Select , then double-tap.
5. Select , then double-tap.
6. In the Waveform Overview, select Trim Beginning or Trim End, double-tap and hold, then swipe up or down to adjust the start or end time.
7. Select Trim, then double-tap.
8. Select Save, then double-tap.
9. Select Done, then double-tap.

Hear visual Weather data as sound

Some maps in the Weather app are encoded to allow you to hear the data as a changing tone or pitch. For example, as intensity of weather condition changes in a visual animation on screen, you can have these described using variations in sound.

1. With VoiceOver on, go to the Weather app  on your iPad.
2. Open a location page with a precipitation, wind, or air quality map.
3. Double-tap and hold the map until you hear a tone or the words "Weather Map Snapshot." If you hear spoken instructions, follow them.

As you run your finger or pointer over a sonified map, the pitch shifts to represent the changing values.

Read math equations

VoiceOver can read math equations on the web (encoded using MathML) and in supported Apple apps such as Numbers and Keynote.

- *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. To drill down into the selected element, double-tap it, then swipe left or right to read one part of the element 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](#).

Use VoiceOver Recognition

With VoiceOver Recognition, you can get descriptions of images and screen elements on webpages and in apps, even if they don't provide accessibility information.

Important: VoiceOver Recognition should not be relied upon in circumstances where you could be harmed or injured, in high-risk situations, for navigation, or for the diagnosis or treatment of any medical condition.

1. Go to Settings  > Accessibility > VoiceOver > VoiceOver Recognition.
2. Turn on any of the following:
 - *Image Descriptions:* Get descriptions of images in apps and on the web.
 - *Screen Recognition:* Get descriptions of screen elements in apps.
 - *Text Recognition:* Get descriptions of text found in images.

3. Tap Feedback Style, then choose Speak, Play Sound, or Do Nothing.

Mobility

Accessibility features for mobility on iPad

With built-in accessibility features for mobility, you can navigate and interact with iPad using just your eyes, spoken commands, assistive devices, an external keyboard, and more. You can also set options so it's easier to use gestures and press iPad buttons.

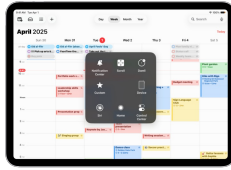
To explore accessibility features for mobility, go to Settings  > Accessibility, then scroll down to the Physical and Motor section.

Action	Related features and settings
Navigate your iPad hands-free	• Eye Tracking • Head Tracking • Voice Control • Siri • Shortcuts • Call audio routing • Use simple sounds to perform gestures
Let iPad type for you	• Dictation • Predictive text • Scribble
Connect other inputs	• Switch Control • Keyboards • Bluetooth accessories • Head tracking • Eye-tracking device • iPad Magic Keyboard and Smart Keyboard
Control other devices	• Apple TV Remote • Platform Switching
Customize gestures	• AssistiveTouch • AirPods • Pointer scrolling speed • Home or top button • Face ID and attention
Adjust the sensitivity of your input	• Slow Keys and Sticky Keys • Siri Pause Time • Touch accommodations

Tip: Control your go-to accessibility features and settings with the click of a button or from Control Center. See [Quickly open features with Accessibility Shortcut](#).

Use AssistiveTouch on iPad

With AssistiveTouch on iPad, you can adapt the touchscreen to fit your needs. If certain gestures don't work for you, replace them with a tap or alternate gesture, or use a simple sound. You can also use AssistiveTouch when you need to press iPad buttons. You can use AssistiveTouch without any accessory or with a compatible adaptive accessory (such as a joystick).



You can use AssistiveTouch to perform actions such as the following:

- Go to the Home Screen
- Double-tap
- Perform multifinger gestures
- Perform scroll gestures
- Activate Siri
- Access Control Center, notifications, the Lock Screen, or the App Switcher
- Adjust the volume on iPad
- Shake iPad
- Take a screenshot
- Use Apple Pay
- Speak screen
- Adjust dwell settings
- Control Analytics
- Restart iPad

Set up AssistiveTouch

[Ask Siri](#) something like, "Turn on AssistiveTouch." [Learn how to use Siri.](#)

Or do the following:

1. Go to Settings  > Accessibility > Touch > AssistiveTouch.
2. Turn on AssistiveTouch. The AssistiveTouch menu button  appears on the screen.

3. To customize AssistiveTouch, tap any of the following:

- *Customize Top Level Menu:* Tap an icon to change its action. Tap  or  to change the number of icons in the menu. The menu can have up to eight icons.
- *Single-Tap, Double-Tap, or Long Press:* Assign custom actions that run when you interact with the menu button.
- *Create New Gesture:* Add your favorite gestures.
- *Idle Opacity:* Adjust the visibility of the menu button when not in use.
- *Virtual Trackpad:* Turn a small region of the screen into a resizable trackpad. See [Use an adjustable onscreen trackpad on iPad](#).
- *Confirm with AssistiveTouch:* On an [iPad with Face ID](#), use AssistiveTouch to confirm payments with Face ID instead of double-clicking the top button. Or on iPad (10th generation and later), iPad mini (6th generation), iPad mini (A17 Pro), and iPad Air (4th generation and later), use AssistiveTouch to confirm payments with your passcode instead of double-clicking the top button.

Tip: To quickly turn AssistiveTouch on or off, you can [set up the Accessibility Shortcut](#), then triple-click the top or Home button.

Use AssistiveTouch

When AssistiveTouch is on, tap the AssistiveTouch menu button , then choose an action or gesture.

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.

To move the AssistiveTouch menu button, drag it to a new location on the screen.

For a multifinger gesture, do the following:

- *Pinch and Rotate:* Tap Custom, then tap Pinch and Rotate. When the two pinch circles appear, touch anywhere on the screen to move the pinch circles, then drag them in or out to perform a pinch or rotate 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.

Control iPad with a pointer device

You can connect Bluetooth® and USB assistive pointer devices, such as trackpads, game controllers, and mouse devices.

1. Go to Settings  > Accessibility > Touch > AssistiveTouch.
2. Turn on AssistiveTouch.

3. Below Pointer Devices, tap any of the following:

- *Devices*: Pair or unpair devices and customize buttons.
- *Mouse Keys*: Allow the AssistiveTouch pointer to be controlled using the keyboard.
- *Pointer Style*: Adjust the size, color, and auto-hide settings.
- *Show Onscreen Keyboard*: Display the onscreen keyboard.
- *Sound on Click*: Play a sound when the pointer device is clicked.
- *Always Show Menu*: Show the AssistiveTouch menu when a pointer device is connected.
- *Tracking Sensitivity*: Adjust how quickly the pointer moves when you drag the mouse or your finger on the trackpad.

You can also [change the appearance of the pointer](#).

Set up Dwell Control

iPad performs a selected action when you hold the cursor still on a screen element or an area of the screen.

1. Go to Settings  > Accessibility > Touch > AssistiveTouch, then turn on Dwell Control.
2. Adjust any of the following:
 - *Fallback Action*: Turn on to revert the dwell action to the selected fallback action after performing an operation.
 - *Movement Tolerance*: Adjust the distance the cursor can move while dwelling on an item.
 - *Hot Corners*: Perform a selected action—such as take a screenshot, open Control Center, activate Siri, scroll, or use a shortcut—when the cursor dwells in a corner of the screen.
 - *Time needed to initiate a dwell action*: Tap  or .

Use simple sounds to perform gestures

With AssistiveTouch, you can have iPad perform a gesture or other action when you make a simple sound, such as a mouth pop or an S-sound.

1. Go to Settings  > Accessibility > Touch > AssistiveTouch, then turn AssistiveTouch on.
2. Tap Sound Actions, then tap a sound.
3. Select the gesture or other action you want performed when you make the sound.
4. To perform the gesture or action, just make the sound.

Create custom gestures

You can add gestures you use often (such as touch and hold or two-finger rotation) to the AssistiveTouch menu. You can even create several gestures with, for example, different degrees of rotation.

1. Go to Settings  > Accessibility > Touch > 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 drag gestures, 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.

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.

Use an adjustable onscreen trackpad on iPad

With Virtual Trackpad on iPad, you can turn a small region of the screen into a resizable trackpad, and use it to move and click an onscreen pointer.



Set up Virtual Trackpad

Before you can use Virtual Trackpad, you need to add it to AssistiveTouch.

1. Go to Settings  > Accessibility > Touch > AssistiveTouch.
2. Do any of the following:
 - *Add Virtual Trackpad to the AssistiveTouch menu*: Tap Customize Top Level Menu, tap , tap the + button that appears, then choose Virtual Trackpad.
 - *Set a custom action to open Virtual Trackpad*: Tap an action (such as double-tap or long press) below Custom Actions, then choose Virtual Trackpad.

Use Virtual Trackpad

1. Go to Settings  > Accessibility > Touch > AssistiveTouch.
2. Turn on AssistiveTouch.

3. Depending on how you [set up Virtual Trackpad](#), do one of the following to open it:
 - *Use the AssistiveTouch menu:* Tap the AssistiveTouch menu button , then tap Virtual Trackpad.
 - *Use the custom action you set:* Tap, double-tap, or long press the AssistiveTouch menu button .
4. Do any of the following:
 - Drag your finger on the trackpad to move the pointer.
 - Tap the trackpad to click at the location of the pointer.
 - Drag the arrows in the top-left corner of the trackpad to resize it.
 - Drag a border of the trackpad to move it.
5. To close Virtual Trackpad, repeat the action you use to open it.

Change Virtual Trackpad settings

1. Go to Settings  > Accessibility > Touch > AssistiveTouch.
2. Tap Virtual Trackpad.
3. Change any of the following:
 - *Tracking:* Adjust how quickly the pointer moves.
 - *Scrolling:* Adjust the scrolling speed. Or turn Natural Scrolling—content moves in the same direction as your fingers—on or off.
 - *Appearance:* Change how the trackpad looks, make it fill the entire screen, or adjust how long it takes for the trackpad to fade after you stop using it.

You can also [change the appearance of the pointer](#).

Control iPad with the movement of your eyes

With Eye Tracking, you can control iPad using just your eyes. An onscreen pointer follows the movement of your eyes, and when you look at an item and hold your gaze steady or *dwell*, you perform an action, such as a tap. All data used to set up and control Eye Tracking is processed on device.

Before you begin

Eye Tracking uses the built-in, front-facing camera on iPad. For best results, make sure that the camera has a clear view of your face and that your face is adequately lit. iPad should be on a stable surface about a foot and a half away from your face.

Eye Tracking is available with [supported iPad models](#).

Turn on Eye Tracking

1. Go to Settings  > Accessibility > Eye Tracking, then turn on Eye Tracking.
2. Follow the onscreen instructions to calibrate Eye Tracking. As a dot appears in different locations around the screen, follow its movement with your eyes.

Note: You need to calibrate Eye Tracking every time you turn it on.

Use Eye Tracking

After you turn on and calibrate Eye Tracking, an onscreen pointer follows the movement of your eyes. By default, when you're looking at an item on the screen, an outline appears around the item.

If Snap to Item is turned off, when you hold your gaze steady at a location on the screen, the dwell pointer  appears where you're looking and the dwell timer begins (the dwell pointer circle starts to fill). When the dwell timer finishes, an action—tap, by default—is performed.

To perform additional onscreen gestures or physical button presses, use the AssistiveTouch menu . See [Use AssistiveTouch](#).

Recalibrate Eye Tracking

If you change the position of your face or your iPad, Eye Tracking calibration automatically starts if recalibration is needed. You can also manually start Eye Tracking calibration.

1. Look at the top-left corner of your screen and hold your gaze steady.

The dwell pointer  appears and the dwell timer begins (the dwell pointer circle starts to fill). When the dwell timer finishes, Eye Tracking calibration starts.

2. Follow the onscreen instructions to calibrate Eye Tracking. As a dot appears in different locations around the screen, follow its movement with your eyes.

You can change which corner of the screen you need to look at to start recalibration or assign actions to other corners. See [Set up Dwell Control](#).

Set options for Eye Tracking

You can set options for how the Eye Tracking pointer responds to your gaze.

1. Go to Settings  > Accessibility > Eye Tracking, then adjust any of the following:
 - *Smoothing*: Increase this value to make the movement of the pointer smoother. Or decrease this value to make the pointer more responsive.
 - *Snap to Item*: Have the Eye Tracking pointer automatically move to the item on the screen that's closest to where you're looking.
 - *Zoom on Keyboard Keys*: When you dwell on the keyboard, zoom in on the section of the keyboard you're looking at. Dwell again on a key to tap it.
 - *Auto-Hide*: Show the Eye Tracking pointer when you hold your gaze steady for the amount of time specified. When your eyes are moving, the pointer automatically fades.
 - *Dwell Control*: Turn Dwell Control on or off. To adjust settings for Dwell Control, such as the default dwell action and the duration of the dwell timer, see [Set up Dwell Control](#).
 - *Show Face Guidance*: Turn Show Face Guidance on or off to get help adjusting how you're positioned.

To change the size or color of the Eye Tracking pointer, go to Settings > Accessibility > Pointer Control. See [Make the pointer easier to see](#).

Use an external eye-tracking device with iPad

You can also use a [Made for iPhone \(MFi\)](#) eye-tracking device to control iPad.

1. Follow the eye-tracking device manufacturer's instructions to connect your device to iPad with a Lightning or USB-C connector (depending on your iPad model).
2. Set up your eye-tracking device using the device's companion app.
3. Go to Settings  > Accessibility > Touch > AssistiveTouch, then [turn on AssistiveTouch](#).
4. If you want to be able to interact with an item on the screen when you hold your gaze steady on the item, turn on Dwell Control.

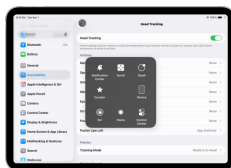
To adjust settings for Dwell Control, such as the default dwell action and the duration of the dwell timer, see [Set up Dwell Control](#).

5. To set additional options for your eye-tracking device, tap Devices (below Pointer Devices), tap the name of the device, then adjust any of the following:
 - *Customize Additional Buttons*: Perform actions using a physical switch (if supported by your eye-tracking device).
 - *Snap to Item*: Have the pointer automatically move to the item on the screen that's closest to where you're looking.
 - *Auto-Hide*: Show the pointer when you hold your gaze steady for the amount of time specified. When your eyes are moving, the pointer automatically fades.

To change the color and size of the pointer, go to Settings > Accessibility > Pointer Control. See [Adjust pointer settings](#).

Control iPad with the movement of your head

With Head Tracking, you can control iPad using just your head. An onscreen pointer follows the movement of your head, and when you look at an item and hold your head steady—or *dwell*—you perform an action, such as a tap.



Note: Head Tracking is available on iPadOS 26 and later.

Before you begin

Head Tracking uses the built-in, front-facing camera on iPad. For best results, make sure that the camera has a clear view of your face and that your face is adequately lit. iPad should be on a stable surface about 18 inches away from your face.

Turn on Head Tracking

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, tap Head Tracking, then turn on Head Tracking.

Use Head Tracking

After you turn on Head Tracking, an onscreen pointer follows the movement of your head. When your head is pointed toward an item on the screen, an outline appears around the item. The pointer always moves with your head no matter where you face. Moving faster makes the pointer move faster.

When you hold your head steady at a location on the screen, the dwell pointer ● appears where you're looking and the dwell timer begins (the dwell pointer circle starts to fill). When the dwell timer finishes, an action—tap, by default—is performed.

To perform additional onscreen gestures or physical button presses, use the AssistiveTouch menu . See [Use AssistiveTouch](#).

Set options for Head Tracking

You can customize actions like a Single-Tap or Double Tap to different facial movements, like smiling, blinking, or scrunching your nose. You can also set options for how the Head Tracking pointer responds to your head's movement.

1. Go to the Settings app  on your iPad.
2. Do any of the following:
 - *Actions:* Select a facial expression (like Raise Eyebrows or Open Mouth), then choose an action from the list (like Open Menu or Single-Tap).
 - *Sensitivity:* Choose the amount of expressiveness needed to perform the expression.
 - *Pointer:* Select an option to have the pointer move with face movements, when facing screen edges, or based on head position.
 - *Pointer Speed:* Select the Increment button or Decrement button to adjust how quickly the pointer moves with head movement.
 - *Snap to Item:* Have the pointer automatically move to the item on the screen that's closest to where your head is pointing.
 - *Dwell Control:* Turn Dwell Control on or off. To adjust settings for Dwell Control, such as the default dwell action and the duration of the dwell timer, see [Set up Dwell Control](#).

To change the size or color of the Head Tracking pointer, go to Settings > Accessibility > Pointer Control. See [Make the pointer easier to see](#).

Adjust how iPad responds to your touch

If you have difficulties with hand tremors, dexterity, or fine motor control, you can adjust how the iPad touchscreen responds to tap, swipe, and touch-and-hold gestures. You can have iPad recognize faster or slower touches and ignore multiple touches. You can also prevent iPad from waking when you touch the screen, or turn off Shake to Undo if you unintentionally shake iPad.

Adjust settings for taps, swipes, and multiple touches

1. Go to Settings  > Accessibility > Touch > Touch Accommodations, then turn on Touch Accommodations.

2. You can configure iPad to do any of the following:

- *Respond to longer or shorter touches:* Turn on Hold Duration, then tap  or  to adjust the duration.
- *Prevent unintended swipe gestures:* If you turn on Hold Duration (above), you can increase the amount of movement required before a swipe gesture begins. Tap Swipe Gestures, turn on Swipe Gestures, then adjust required movement.
- *Treat multiple touches as a single touch:* Turn on Ignore Repeat, then tap  or  to adjust the amount of time allowed between multiple touches.
- *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 iPad can respond to other gestures, such as a drag gesture, if you wait longer than the gesture delay.

Adjust settings for touch-and-hold gestures

You use the touch-and-hold gesture to see additional options or actions you can perform, or show a preview of content. If you have trouble performing this gesture, do the following:

1. Go to Settings  > Accessibility > Touch > Haptic Touch.
2. Choose the touch duration—Fast or Slow.
3. Test your new settings on the image at the bottom of the screen.

Turn off Tap to Wake

On a [supported iPad model](#), you can prevent touches on the screen from waking iPad. Go to Settings  > Accessibility > Touch, then turn off Tap to Wake.

Turn off Shake to Undo

If you tend to unintentionally shake iPad, you can turn off Shake to Undo. Go to Settings  > Accessibility > Touch.

Tip: To undo text edits, swipe left with three fingers.

Route and automatically answer calls on iPad

You can automatically direct the audio of FaceTime calls to the iPad speaker, a Bluetooth® headset, or your hearing device. iPad can also automatically answer calls after a length of time you set.

1. Go to Settings  > Accessibility > Touch > Call Audio Routing, then choose an audio destination.
2. Tap Auto-Answer Calls, turn on Auto-Answer Calls, then set the duration of time before the call is answered by tapping  or .

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.

Change Face ID and attention settings on iPad

On an iPad with Face ID, you can adjust Face ID and attention settings if you have physical or vision limitations.

Set up Face ID with Accessibility Options

Setting up Face ID usually 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.

1. Go to Settings  > Face ID & Passcode.
2. Tap Set Up Face ID, then tap Get Started.
3. Position your face within the frame, then tap Accessibility Options.

Face ID is still secure but requires more consistency when you unlock 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 on or off any of the following:
 - *Require Attention for Face ID*: Provide an additional level of security by unlocking iPad only when you're looking at it.
 - *Attention Aware Features*: iPad checks for attention before dimming the display, expanding a notification when locked, or lowering the volume of some alerts.

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.

Use Voice Control commands to interact with iPad

After you turn on Voice Control on your iPad, you can speak commands to interact with what's on the screen, perform gestures and button presses, dictate and edit text, and more.

Note: When Voice Control is on, you use Voice Control to dictate text; standard iPadOS Dictation isn't available. If you just want to enter text using Dictation, without controlling your iPad with your voice, see [Dictate text](#). Voice Control isn't available in all languages. See the [iOS and iPadOS Feature Availability website](#).

Set up Voice Control

Before you turn on Voice Control for the first time, make sure iPad is connected to the internet over a Wi-Fi network. After iPad completes a one-time file download from Apple, you don't need an internet connection to use Voice Control.

1. Go to Settings  > Accessibility > Voice Control.
2. Tap Set Up Voice Control, then tap Continue to start the file download.

When the download is complete,  appears in the status bar to indicate that Voice Control is turned on.

3. Set options such as the following:
 - *Language*: Set the language and download languages for offline use.
 - *Customize Commands*: View the available commands and create new commands.
 - *Vocabulary*: Teach Voice Control to recognize new words and phrases. You can enter a word or phrase and teach Voice Control how you pronounce it, or import a vocabulary list.

Note: Not all Voice Control languages support a custom vocabulary.
 - *Show Confirmation*: When Voice Control recognizes a command, a visual confirmation appears at the top of the screen.
 - *Play Sound*: When Voice Control recognizes a command, an audible sound is played.
 - *Show Hints*: See command suggestions and hints.
 - *Overlay*: Display numbers, names, or a grid over screen elements.
 - *Attention Aware*: On an [iPad with Face ID](#), Voice Control wakes up when you look at your iPad and goes to sleep when you look away.

Turn Voice Control on or off

After you set up Voice Control, you can turn it on or off quickly by doing any of the following:

- Use [Control Center](#) if you've added it there.
- Use [Accessibility Shortcut](#) if you've set it up.

[Ask Siri](#) something like, "Turn on Voice Control." [Learn how to use Siri.](#)

Start using commands

To use Voice Control on your iPad, just say a command.

 **Voice Control**: Say, for example, "Open Control Center," "Go home," "Tap *item name*," or "Turn up volume."

Tip: Use the interactive Voice Control Tutorial to get familiar with Voice Control and practice essential commands. Go to Settings  > Accessibility > Voice Control, then tap Open Voice Control Tutorial.

Pause or resume Voice Control

Pause Voice Control when you don't want words you say to be interpreted as commands or dictation. Resume Voice Control when you're ready for it to listen for commands and dictation again.

 **Voice Control**: Say "Stop listening" or "Start listening."

See what commands you can use

Display a list of the available commands, which vary depending on the app you're working in and what you're doing. For example, you see text formatting commands while writing a document.

 **Voice Control:** Say "Show commands."

To browse the full list of supported commands and see examples of how to use them, go to Settings  > Accessibility > Voice Control > Commands.

Label onscreen items

When you're not sure what to call something, you can display a name or number next to each item on the screen. You can then use the item's name or number to interact with it.

 **Voice Control:** Say "Show names," "Show numbers," or "Show text numbers."

To interact with an item, say its name or number, or say a command—such as "Long press"—followed by the item's name or number. The item names or numbers disappear after you say the command.

Show a numbered grid on the screen

You can make it easier to interact with a precise area of the screen by superimposing a grid.

 **Voice Control:** Say "Show grid."

- *Interact with a location on the grid:* If a number is at the location you want to interact with, say any command—such as "Tap"—followed by the grid number. The grid disappears after you say the command.
- *Drill down on an area of the grid:* If you need to further refine the location, say a grid number to show a more detailed grid in that area.

Say "Hide names," "Hide numbers," or "Hide grid" to turn the overlay off.

Enter text

When working in a text input area, you can dictate word by word (with Dictation mode) or character by character (with Spelling mode). To avoid mistakenly entering a Voice Control command as text, have Voice Control respond only to commands (with Command mode).

When you're in a text input area and [label onscreen items with numbers](#), numbers are shown next to each line of text. Select a line or another section of the text to display a number for each word in the selection; select a single word to show a number for each character in the word. To interact with a text item (such as a line or a word), say a command followed by the item's name or number. For example, you can say "Delete [item number]" or "Uppercase [item number]."

Command	Description
 Voice Control: Say "Dictation mode."	Dictate word by word. Any words you say that aren't Voice Control commands are entered as text. Dictation mode is on by default. In some Voice Control languages, if several words phonetically match what you say, they appear onscreen. Tap to choose the one you want.

Command	Description
 Voice Control: Say “Spelling mode.”	Dictate character by character. Spelling mode is helpful when you need to enter a password, a web address, or another sequence of characters that wouldn't be recognized as a word in Dictation mode. When Spelling mode is on,  appears in the text input area. To increase accuracy when entering letters, you can use the letter's phonetic alphabet code word (for example, say “Alfa Bravo Charlie” to enter “abc”). <i>Note:</i> Spelling mode isn't available in all Voice Control languages.
 Voice Control: Say “Command mode.”	Voice Control responds only to commands. Words and characters that aren't commands are ignored and aren't entered as text. Command mode is helpful when you need to say a series of commands and don't want them inadvertently entered in a text input area. When Command mode is on,  appears in the text input area to indicate you can't dictate to enter text.

Adjust settings for the top or Home button

You can adjust accessibility settings for the Home button (on an iPad that has one) or top button (on other iPad models).

- Go to Settings  > Accessibility, then tap Home Button (on an iPad with a Home button) or Top Button (on other iPad models).
- Set any of the following:
 - Click Speed:* Choose the speed required to double-click or triple-click the button—Default, Slow, or Slowest.
 - Press and Hold to Speak:* Choose whether Siri responds when you press and hold the button.
 - Rest Finger to Open:* On an [iPad with Touch ID](#), you can unlock and open iPad by resting your finger on Touch ID.

On an [iPad with Face ID](#), you can also [use AssistiveTouch](#) or [use Switch Control](#) to confirm payments with Face ID instead of double-clicking the top button.

Use buttons on the Apple TV Remote on iPad

On the Apple TV Remote on iPad, you can use buttons instead of swipe gestures.

Go to Settings  > Accessibility > Apple TV Remote, then turn on Directional Buttons.

Make the pointer easier to see when using a mouse or trackpad with iPad

If you have difficulty seeing or following the pointer when you [use a mouse or trackpad](#) with iPad, you can change its size and color so it's easier to locate on the screen.

Go to Settings  > Accessibility > Pointer Control, then adjust any of the following:

- Increase Contrast
- Automatically Hide Pointer
- Color
- Pointer Size
- Pointer Animations
- Trackpad Inertia (available when a supported multi-touch trackpad is connected)
- Scrolling Speed

To customize the buttons of the pointing device, go to Settings > Accessibility > Touch > AssistiveTouch > Devices.

Adjust the onscreen and external keyboard settings for accessibility on iPad

You can set the onscreen keyboard on iPad to show only uppercase letters, and if you use a physical keyboard with your iPad, adjust key sensitivity and make it easier to press combinations of keys.

You can also [set typing options](#), such as auto-correction and slide to type, and [add keyboards](#) for other languages or alternative layouts.

Set the onscreen keyboard to display only uppercase letters

If it's easier to read uppercase letters, you can set an option so the onscreen keyboard doesn't display lowercase letters.

Go to Settings  > Accessibility > Keyboards, then turn off Show Lowercase Keys.

Tip: Rotate iPad to landscape orientation to use a larger keyboard for typing in many apps, including Mail, Messages, Notes, and Safari. See [Change or lock the screen orientation](#).

Change how the keys respond on an external keyboard

If you [use a physical keyboard](#) with iPad, you can adjust the sensitivity of keys and make it easier to press combinations of keys.

Go to Settings  > Accessibility > Keyboards, then tap any of the following:

- *Key Repeat:* You can set how long you must press and hold a key before it starts repeating and how fast it repeats once it starts. You can also prevent the key from repeating at all.

- **Sticky Keys:** When you need to press multiple keys at the same time, you can press each key separately instead. For example, enter the keyboard shortcut Command-Z by pressing Command, then pressing Z.
- **Slow Keys:** Adjust the time between when you press a key and when it's activated.

Control iPad with an external keyboard

If you [use a physical keyboard](#) with iPad, you can use Full Keyboard Access to control your device with keyboard shortcuts instead of the touchscreen. Full Keyboard Access highlights the item on the screen that has focus.

Control iPad using Full Keyboard Access

1. Go to Settings  > Accessibility > Keyboards, tap Full Keyboard Access, then turn on Full Keyboard Access.
2. Navigate iPad using the following default commands.

Action	Shortcut
View available Full Keyboard Access commands	Tab-H
Move forward	Tab
Move backward	Shift-Tab
Activate the selected item	Space bar
Go to the Home Screen	Fn-H
Open the App Switcher	Fn-Up Arrow
Open Control Center	Fn-C
Open Notification Center	Fn-N

Customize Full Keyboard Access

You can change the keyboard shortcuts associated with Full Keyboard Access commands, and customize the appearance of Full Keyboard Access (such as the color, contrast, and size of the highlight).

1. Go to Settings  > Accessibility > Keyboards, then tap Full Keyboard Access.
2. Do any of the following:
 - *View a complete list of Full Keyboard Access commands and customize them:* Tap Commands.
 - *Change the look of Full Keyboard Access:* Tap an option below Appearance.

Adjust the accessibility settings for AirPods on iPad

With AirPods 3 or later, AirPods Pro, or AirPods Max, you can adjust the accessibility settings to suit your mobility or hearing needs.

1. Go to Settings  > Accessibility > AirPods.
2. If you have multiple AirPods, select one.
3. Set any of the following options:
 - *Press Speed*: Adjust how quickly you must press two or three times before an action occurs.
 - *Press and Hold Duration*: Adjust the duration required to press and hold on your AirPods.
 - *Noise Cancellation with One AirPod*: With AirPods Pro, turn on noise cancellation even when you're using only one of your AirPods.
 - *Spatial Audio Head Tracking*: When you turn on Follow iPad, Spatial Audio sounds like it's coming from your iPad instead of following the movement of your head (for supported audio and video content).
 - *Tone Volume*: Adjust the volume of the sound effects that are played by your AirPods, such as low battery alerts.

If you have AirPods Pro 2, you can use your iPad to take a hearing test. If you have perceived mild to moderate hearing loss, you can get hearing assistance with the Hearing Aid feature. See [Use hearing health features with AirPods Pro 2](#).

Change Apple Pencil double tap and squeeze settings for accessibility

If you have difficulty using double tap or squeeze on Apple Pencil, you can adjust Apple Pencil settings for accessibility.

Note: Double tap is available on [supported iPad models](#) with Apple Pencil (2nd generation) and Apple Pencil Pro. Squeeze is available on supported iPad models with Apple Pencil Pro.

1. Go to Settings  > Accessibility > Apple Pencil.
2. Do any of the following:
 - Drag the slider to adjust how firmly you need to press for the squeeze action. Turn on Extended Range for additional firmness options.
 - Turn double tap on or off.
 - Choose a slower duration for double tap.

Tip: More options for customizing Apple Pencil are available in Apple Pencil settings. Go to Settings  > Apple Pencil.

Switch Control

Intro to Switch Control on iPad

Switch Control is an assistive technology for anyone with limited mobility. It enables you to interact with iPad by activating a *switch*, such as pressing an external adaptive button, performing a head movement, or making a voiced or voiceless sound. Using one or more switches, you can navigate a cursor around the iPad screen, then open the Scanner menu to choose an available action such as tap, zoom in, zoom out, and more.

What is a switch?

A switch can be an external hardware device or a feature on your iPad.

Switches on iPad don't require any additional hardware. For example:

- *Screen*: Use a tap or long press anywhere on the iPad screen. You can set up tap and long press as two different switches with separate actions.
- *Camera*: While in view of the front-facing iPad camera, move your head to the left or right, or pinch your left or right index finger and thumb. You can set up each gesture as a different switch with a separate action.
- *Back Tap*: Double-tap or triple-tap the back of iPad. You can set up double tap and triple tap as two different switches with separate actions.
- *Sound*: Make simple voiced sounds (such as "Oo") or voiceless sounds (such as a pop). You can set up each sound as a different switch with a separate action.
- *AirPods*: Nod or shake your head while wearing [supported AirPods](#) that are paired with your iPad. You can set up nod and shake as two different switches with separate actions.
- *Gaming*: Turn any switch into a virtual game controller to play your favorite games on iPad.

External switches connect to iPad through Bluetooth® or the Lightning connector or USB-C connector. For example:

- Adaptive accessory
- Joystick
- Game controller
- [MFi](#) switch or switch interface

How does Switch Control work?

In Switch Control, each switch performs a specific action—for example, Move To Next Item moves the cursor to the next item on the screen. The switch's action is performed when you activate the switch—such as by pressing the adaptive button, moving your head, or making a sound.

You can use just one switch, or you can use multiple switches for different actions, depending on how you like to work. For example, you can activate your Move to Next Item switch to move the cursor from one item to the next. When the cursor highlights the item you want, you can activate your Select Item switch.

Set up and turn on Switch Control on iPad

To set up [Switch Control](#), you need to connect and add one or more [switches](#), then assign an action to each switch. You can choose a scanning style and fine-tune other settings to suit your needs. After you turn on Switch Control, you may need to change the assigned actions or readjust the settings. If you have difficulty performing these steps, you can get personalized help at your nearest Apple Store.

Step 1: Connect an external switch (optional)

If you want to use an adaptive accessory, joystick, game controller, or [MFi](#) device for Switch Control, you need to first connect it to iPad by following the manufacturer's instructions. If the switch connects using Bluetooth®, you need to pair it with iPad.

You can also add nonexternal switches, such as sounds or AirPods Gestures. See [Step 2: Add switches, recipes, and switch sets](#).

1. Turn on the switch.
2. Go to Settings  > Bluetooth, turn on Bluetooth, tap the name of the switch, then follow the onscreen instructions.

Step 2: Add switches, recipes, and switch sets

You can use only one switch, or you can use multiple switches to accommodate different actions. Each switch performs an assigned action, such as selecting an item or moving the cursor to the next item.

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, tap Switch Control, then tap Switches.
3. Tap Add New Switch, then choose External, Screen, Camera, Back Tap, Sound, and AirPods Gestures.

If you're trying to add an external switch but it isn't shown in the list, make sure it's connected to your iPad as described above in [Step 1: Connect an external switch \(optional\)](#).

4. Assign an action to the switch.

The action for the switch depends on the number of switches you have and the scanning style you choose in [Step 3: Choose a scanning style](#), below. If you don't know which action to assign, choose Select Item, which is compatible with Auto Scanning (the default scanning style). You can return to this setting later to change the assigned action.

Tip: Turn your iPad into a game controller that uses gestures you've already set up, like the same switch (or alternative input method) that you navigate and control your iPad with.

You can also assign recipes—a set of temporary, specialized actions—to your switches. Use recipes for repetitive, complex actions in apps such as turning pages in the Books app. To create a recipe, go to Settings  > Accessibility > Switch Control > Recipes.

If you have multiple sets of switches or recipes that you switch between, you can create a Switch Set for your settings. To create a profile, go to Settings  > Accessibility > Switch Control > Switch Sets > Add New Switch Set.

Step 3: Choose a scanning style

By default, the cursor automatically moves from one item to the next after a specified duration. If you prefer to move the cursor manually, you can choose a different scanning style.

Go to Settings  > Accessibility > Switch Control > Scanning Style, then choose one of the following:

- *Auto Scanning:* The cursor automatically moves to the next item after a specified duration. This is the default scanning style.

If you use Auto Scanning with just one switch, make sure the Select Item action is assigned to the switch.

- *Manual Scanning:* When you activate your Move to Next Item switch, the cursor moves to the next item.

Manual Scanning requires at least two switches. Make sure the Move to Next Item action is assigned to one switch, and the Select Item action is assigned to another switch.

- *Single Switch Step Scanning:* When you activate the Move to Next Item switch, the cursor moves to the next item; if no action is taken within a specified duration, the current item is automatically selected.

This scanning style requires only one switch. Make sure the Move to Next Item action is assigned to the switch.

Step 4: Fine-tune Switch Control settings

You can adjust the behavior of Switch Control in a variety of ways, to suit your specific needs and style. For example, you can change the scanning speed or have iPad speak the highlighted items.

Go to Settings  > Accessibility > Switch Control, then adjust any of the following:

- *Auto Scanning Time:* Adjust the item scanning speed.
- *Pause on First Item:* Set scanning to pause on the first item in a group.
- *Loops:* Choose how many times to cycle through the screen before hiding Switch Control.
- *Move Repeat:* Set the delay before moving to the previous or next item while a switch is pressed.
- *Long Press:* Set whether a different action occurs when you press and hold a switch, and how long to wait before performing that action.
- *Tap Behavior:* Choose a tap behavior and set the interval for performing a second switch action to show the Scanner menu.
- *Focused Item After Tap:* Choose whether Switch Control resumes scanning at an item you tap or from the beginning.
- *Scan Same Key After Tap:* Turn on scanning the same key after tapping.
- *Always Tap Keyboard Keys:* Turn on always tapping keyboard keys.
- *Extended Predictions:* Turn on extended predictions.
- *Hold Duration:* Specify how long you need to press and hold a switch before it's accepted as a switch action.
- *Ignore Repeat:* Ignore accidental repeated switch triggers.
- *Sound Effects:* Turn on sound effects.
- *Speech:* Speak items as they're scanned.
- *Menu Items:* Choose the actions shown in the Scanner menu and the order in which they appear.
- *Group Items:* Group items for faster navigation.
- *Large Cursor:* Make the highlight more prominent.
- *Cursor Color:* Choose a different highlight color.
- *Saved Gestures:* Create a custom gesture.

- *Confirm with Switch Control:* Turn on Confirm with Switch Control to confirm payments with your passcode or any time double-clicking the side button is required.

Step 5: Turn on Switch Control

Important: When Switch Control is turned on, you can't use the standard gestures on the touchscreen to exit Switch Control.

Go to Settings  > Accessibility > Switch Control, then turn on Switch Control.

Tip: You can add Switch Control to [Accessibility Shortcut](#), then quickly turn it on or off by triple-clicking the Home button (on an iPad with a Home button) or the top button (on other iPad models).

Use Switch Control on iPad to select items, perform actions, and more

After you [set up and turn on Switch Control](#), you can select items on the screen by doing any of the following:

- *Item mode:* The cursor sequentially highlights items or groups of items. This is the default method when you first turn on Switch Control and whenever the Scanner menu appears.
- *Gliding cursor:* You select a point on the screen using scanning crosshairs. This method is useful when you need to select a specific point, such as in Maps, or on a screen with many items.
- *Head tracking:* On [supported models](#), you can move your head (detected by the front-facing camera) to control the cursor on the screen.
- *Eye tracking:* You can move your eyes (detected by the front-facing camera) to control the cursor on the screen.

When the cursor is on the item you want, the Scanner menu opens to show the available actions such as tap, scroll, control the volume, and more.

Use item mode to select items and perform actions

1. Depending on the [scanning style](#) you're using, do one of the following:
 - *If using Auto Scanning:* Watch or listen as groups of items are sequentially highlighted.
 - *If using Manual Scanning:* Activate your Move to Next Item switch to navigate through the groups of items on the screen.
 - *If using Single Switch Step Scanning:* Activate your Move to Next Item switch to navigate through the groups of items on the screen.
2. When the group you want is highlighted, do one of the following:
 - *If using Auto Scanning:* Activate your Select Item switch.
 - *If using Manual Scanning:* Activate your Select Item switch.
 - *If using Single Switch Step Scanning:* Wait until the current group is automatically selected.
3. Repeat steps 1 and 2 to scan and select an item within the group.
4. Repeat steps 1 and 2 to scan and choose an action in the Scanner menu. The dots at the bottom of the menu provide more options.

To dismiss the Scanner menu without choosing an action, activate your Select Item switch when the original item is highlighted and all the icons in the menu are dimmed.

Use the Gliding Cursor to select a point

Switch Control starts in item mode by default, but you can choose to use the Gliding Cursor instead.

1. Do either of the following:

- Go to Settings  > Accessibility > Switch Control > Switch Control Mode > then select Gliding Cursor.
- [Use item mode](#) to select any item, then choose Gliding Cursor (in the Scanner menu).

Note: If you change Switch Control Mode settings while Switch Control is turned on, you'll need to restart Switch Control to apply your changes.

2. To position the vertical crosshair, activate your Select Item switch when the wide vertical band is over the item you want.
3. Activate your Select Item switch again when the fine vertical line is over the item.
4. To position the horizontal crosshair, activate your Select Item switch when the wide horizontal band is over the item you want.
5. Activate your Select Item switch again when the fine horizontal line is over the item.
6. In the Scanner menu, select the action you want, then activate your Select Item switch.

To return to item mode, open the Scanner menu, then choose Item Mode.

Set up Head Tracking

On an [iPad with Face ID](#), you can move your head to control a cursor on the screen. You can also assign actions to facial expressions, such as a smile or raised eyebrows.

To set up Head Tracking, do the following:

- Go to Settings  > Accessibility > Switch Control > Switches, then make sure you've [set up switches](#).
- Go to Settings > Accessibility > Switch Control > Head Tracking, turn on Head Tracking, then set any of these options:
 - *Assign actions to facial expressions:* Each expression can perform a different action and require a different degree of expressiveness.
 - *Choose how the pointer tracks your head movement:* Tap Tracking Mode, then choose With Face, When Facing Screen Edges, or Relative to Head.
 - *Adjust the pointer speed:* Tap  or .

Use Head Tracking

1. Do either of the following:

- Go to Settings  > Accessibility > Switch Control > Switch Control Mode > then select Head Tracking.
- [Use item mode](#) to select any item, then choose Head Tracking (in the Scanner menu).

Note: If you change Switch Control Mode settings while Switch Control is turned on, you'll need to restart Switch Control to apply your changes.

2. Move your head to position the cursor on the location you want, then activate it using your Select Item switch or facial expression.
3. In the Scanner menu, select the action you want, then activate your Select Item switch or facial expression.

To return to item mode, open the Scanner menu, then choose Item Mode.

Set up Eye Tracking

You can move your eyes to control a cursor on the screen. You can also use Dwell Control to perform actions by maintaining your gaze for a set amount of time.

To set up Eye Tracking, do the following:

- Go to Settings  > Accessibility > Switch Control > Switches, then make sure you've [set up switches](#).
- Go to Settings > Accessibility > Switch Control > Eye Tracking, turn on Face Guidance.
- Go to Settings > Accessibility > Switch Control > Eye Tracking > Dwell Control, choose a switch action, then set any of these Dwell Options:
 - *Dwell Timeout:* Tap  or .
 - *Movement Tolerance:* Drag the slider to set the distance you can move while dwelling on an item.

Use Eye Tracking

1. Do either of the following:

- Go to Settings  > Accessibility > Switch Control > Switch Control Mode > then select Eye Tracking.
- [Use item mode](#) to select any item, then choose Eye Tracking (in the Scanner menu).

Note: If you change Switch Control Mode settings while Switch Control is turned on, you'll need to restart Switch Control to apply your changes.

2. Move your eyes to position the cursor on the location you want, then activate it using your Select Item switch.
3. In the Scanner menu, select the action you want, then activate your Select Item switch.

Control several devices with one switch on iPad

You can remotely control your other Apple devices without adjusting any switch connections. With Platform Switching, you can navigate your iPad, Mac, or Apple TV using the same switch that you use to control your iPad.

1. Connect your devices to the same Wi-Fi network.
2. [Sign in with the same Apple Account](#) on all your devices.
3. [Set up and turn on Switch Control](#), then turn on Switch Control for the others: [iPhone](#), [Mac](#), or [Apple TV](#).
4. [Use the switch](#) to open the Scanner menu.
5. Choose Device, choose Use Other Device, then choose Connect.

To remove control from your iPad, choose Devices on the connected device, then choose Disconnect.

Hearing

Accessibility features for hearing on iPad

iPad comes with built-in tools designed to help you hear better—or stay connected without hearing a sound.

To explore accessibility features for hearing, go to Settings  > Accessibility, then scroll down to the Hearing section.

Use alternatives to sound

With Live Captions, get a transcription of the audio from any app and from live conversations around you.

[Get live captions of spoken audio](#)

Change how subtitles look. Or instead of standard subtitles, use closed captions and SDH when available.

[Display subtitles and captions](#)

With Name Recognition, have iPad listen for your name and alert you when it recognizes it.

[Recognize your name](#)

With Sound Recognition, have iPad listen for sounds—such as a doorbell or your siren—and alert you when it recognizes them.

[Recognize sounds](#)

Type your Siri requests instead of speaking them.

[Change Siri accessibility settings](#)

Type to communicate on calls. The person you're talking to sees your message as you type it.

[Set up and use RTT](#)

If you can't hear your alerts, get notified visually.

[Flash the indicator light for notifications](#)

	Get real-time captions of spoken audio		Customize subtitles and captions
	Get notified if someone says your name		Get notified about sounds around you
	Type to Siri		Make Real-Time Text (RTT) calls
	Blink the iPad light for notifications		

You can also get transcriptions of [audio messages](#), [HomePod Intercom messages](#), and [podcasts](#).

Use hearing devices and make audio adjustments

Pair [Made for iPhone \(MFi\)](#) hearing aids or sound processors with iPad and adjust their settings.

[Use hearing devices](#)

Stream sound from the iPad microphone to your MFi hearing devices or AirPods.

[Use Live Listen](#)

Play stereo audio as mono, adjust left-right stereo balance, and more.

[Adjust audio settings](#)

Set accessibility options for AirPods and other Apple headphones paired with your iPad.

[Adjust the accessibility settings for AirPods](#)

Have your iPad play ambient sounds—such as ocean waves or rain—to help you focus or rest.

[Play background sounds](#)

	Hearing devices		Live Listen
	Audio balance		AirPods
	Background sounds		

You can also [have Siri announce notifications and calls](#) on your MFi hearing devices.

Tip: Control your go-to accessibility features and settings with the click of a button or from Control Center. See [Quickly open features with Accessibility Shortcut](#).

Use hearing devices with iPad

You can use [MFi](#) hearing aids or sound processors with iPad and adjust their settings. See the Apple Support article [Made for iPhone compatible hearing devices](#) for a list of models that work well with iPad.

If you have AirPods Pro 2, you can use your iPad to take a hearing test. If you have perceived mild to moderate hearing loss, you can get hearing assistance with the Hearing Aid feature. See [Use hearing health features with AirPods Pro 2](#).

Pair hearing devices with iPad

If your hearing devices aren't listed in Settings  > Accessibility > Hearing Devices, you need to pair them with iPad.

If your hearing devices are already paired to another nearby device, such as a Mac or iPad, make sure Bluetooth® is turned off on those devices. (When you finish pairing your hearing devices to your iPad, you can turn Bluetooth on again on those devices.)

1. On iPad, go to Settings > Bluetooth, then make sure Bluetooth is turned on.
2. Go to Settings > Accessibility > Hearing Devices.
3. Turn your hearing devices off and back on again.

If you're unsure how to turn them off, refer to the instructions that came with them, or check with the audiologist who helped you set them up.

4. When their name appears below MFi Hearing Devices (this could take a minute), tap the name 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.

Adjust the settings and view the status of your hearing devices

- *In Settings:* Go to Settings  > Accessibility > Hearing Devices > MFi Hearing Devices.
- *By triple-clicking the top or Home button:* Use the [Accessibility Shortcut](#) if you've set it up.
- *In Control Center:* Tap . (If you don't see , add it to [Control Center](#).)
- *On the Lock Screen:* Go to Settings > Accessibility > Hearing Devices > 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 device (left, right, or both) receives streaming audio.
 - Control Live Listen.
 - Choose whether phone and media audio are routed to the hearing device.

Use your hearing devices with more than one device

If you pair your hearing devices with more than one 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 synced with your other devices.

1. [Sign in to your Apple Account](#) on all the devices.
2. Connect all the devices to the same Wi-Fi network.

Stream audio to your hearing devices

You can stream audio from music, movies, podcasts, Siri, and more.

1. Tap  in Control Center, on the Lock Screen, or in the Now Playing controls for the app you're listening to.
2. Choose your hearing device.

You can also automatically [route audio calls](#) to a hearing device.

To troubleshoot issues you have using your hearing devices with iPad, see the Apple Support article, [Use Made for iPhone hearing devices](#).

Use iPad as a remote microphone with Live Listen

You can stream sound from the microphone on iPad to your [MFi](#) hearing devices or AirPods. This can help you hear better in some situations—for example, when having a conversation in a noisy environment.

Use iPad as a remote microphone with Live Listen

1. Do one of the following:
 - *If you're using a hearing device:* Wear your hearing device and [make sure it's paired](#) to your iPad.
 - *If you're using AirPods:* Wear one or both of your AirPods and [make sure they're connected](#) to your iPad.
2. To turn on Live Listen, do one of the following:
 - Go to Settings  > Accessibility > Audio & Visual > Live Listen > then tap Start Live Listen.
 - [Open Control Center](#), then tap .
 - (If you don't see , add it to Control Center. See [Customize controls](#).)
 - [Open Control Center](#), tap , tap your hearing device or AirPods, then tap Live Listen.
 - (If you don't see , add it to Control Center. See [Customize controls](#).)
 - If you've [set up the Accessibility Shortcut](#), triple-click the side button or Home button, tap Hearing Devices, then tap Live Listen.
 - If you're using hearing aids, go to Settings  > Accessibility > Hearing Devices, then turn on Live Listen.
3. Position iPad near the sound source, then sounds around you will become louder.

4. In Control Center, tap , tap Live Listen, then do any of the following:
 - *View Live Captions:* View captions of the Live Listen session in real time.
 - *Rewind:* Tap  to go back to something that may have been missed.
 - *Skip forward:* Tap  to go back to the live audio.
 - *Stop Live Listen:* Tap  to stop the Live Listen session.

Recognize sounds using iPad

Your iPad can continuously listen for certain sounds—such as a doorbell, siren, or crying baby—and notify you when it recognizes these sounds.

Note: Don't rely on your iPad to recognize sounds in circumstances where you may be harmed or injured, in high-risk or emergency situations, or for navigation.

Set up Sound Recognition

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, tap Sound & Name Recognition, tap Sound Recognition, then turn on Sound Recognition.

Note: After you turn on Sound Recognition, you may need to wait for iPad to download the available sounds on your device.

3. Tap Sounds, then turn on the sounds you want iPad to recognize.

Tip: To quickly turn Sound Recognition on or off, add it to [Control Center](#).

Add a custom alarm, appliance, or doorbell

You can also set up iPad to recognize a custom alarm, appliance, or doorbell if they aren't recognized automatically.

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, tap Sound & Name Recognition, tap Sound Recognition, then tap Sounds.
3. Tap Custom Alarm or Custom Appliance or Doorbell, then enter a name.
4. When your alarm, appliance, or doorbell is ready, place iPad near the sound and minimize background noise.
5. Tap Start Listening, then follow the onscreen instructions.

Recognize your name using iPad

Your iPad can continuously listen for your name and notify you when it recognizes it. You can record how you or someone else says your name to help iPad recognize your name.

Note: Name Recognition is available on iPadOS 26 and later. Name Recognition is only available in English. Don't rely on your iPad to recognize your name in circumstances where you may be harmed or injured or in high-risk or emergency situations.



Set up Name Recognition

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, tap Sound & Name Recognition, tap Name Recognition, then tap Set Up Name Recognition.
3. Follow the onscreen instructions.

Add more than one name to Name Recognition

If you identify yourself by more than one name, you can have iPad recognize multiple names.

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, tap Sound & Name Recognition, tap Name Recognition, then tap Add Name.
3. Follow the onscreen instructions.

Tip: To quickly turn Name Recognition on or off, add it to [Control Center](#).

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.

Important: RTT isn't supported by all carriers or in all countries or 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  > 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.
 - Turn on Send Immediately to send each character as you type. Turn it 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. Open the FaceTime app  on iPad.
2. Tap New, then type the name or number you want to call, or tap  to add a contact.
3. Tap , tap Call, then tap RTT Call or RTT Relay Call.

Type text during an RTT call

1. After accepting or a [starting an RTT call](#) in the FaceTime app  on iPad, tap Use RTT, then tap .
2. 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.
3. To also transmit audio, tap  in the top-right corner.

Note: Standard voice call rates apply for RTT calls.

Flash the iPad indicator light for notifications

On an [iPad with an indicator light](#), you can set it to blink when you receive a notification. This can be useful if you can't hear the sounds that announce incoming calls or other alerts, or if you might miss audible alerts in a noisy environment.

The indicator light is the light-emitting diode (LED) located on the back of iPad, next to the camera lens.

1. Go to Settings  > Accessibility > Audio & Visual, then turn on LED Flash for Alerts.
2. Turn any of the following on or off:
 - *Flash While Unlocked:* The indicator light flashes even when iPad is unlocked.
 - *Flash in Silent Mode:* The indicator light flashes even when iPad is in Silent mode.

Adjust audio settings on iPad

You can use mono audio, adjust left-right stereo balance, and—with supported headphones—amplify soft sounds and adjust certain frequencies to best suit your hearing needs.

Balance the audio

1. Go to Settings  > Accessibility > Audio & Visual.
2. Adjust any of the following:
 - *Mono Audio:* Turn on Mono Audio to make the left and right speakers play the same content.
 - *Stereo Audio Balance:* Drag the Balance slider left or right.

Adjust certain frequencies and soft sounds

With Headphone Accommodations for [supported Apple and Beats headphones](#), you can adjust certain sounds to best suit your hearing. Make soft sounds louder and boost some frequencies so phone calls and media sound crisper and clearer.

1. Make sure you're in a quiet environment and that you've [paired your AirPods](#) or [paired other supported Bluetooth® headphones](#).
2. Go to Settings  > Accessibility > Audio & Visual > Headphone Accommodations, then turn on Headphone Accommodations.

3. Adjust any of the following:

- *Frequencies*: Below Tune Audio For, choose an option to boost different frequencies.
- *Soft sounds*: Drag the slider to set an amplification level for soft sounds.

4. Scroll down, then do any of the following:

- Turn on Phone to apply the settings to phone calls.
- Turn on Media to apply the settings to media playback like music, movies, and podcasts.

With some supported headphones, you can use Headphone Accommodations to personalize your headphone audio based on what sounds good to you. Tap Custom Audio Setup, then follow the onscreen instructions.

Tip: Quickly access Headphone Accommodations by tapping  in [Control Center](#). (If you don't see , add it—tap , tap Add a Control, scroll down to Hearing Accessibility, then tap Headphone Accommodations.)

For information about applying Headphone Accommodations settings to Transparency Mode and Conversation Boost when using AirPods Pro and iPad, see [Customize Transparency mode for AirPods Pro](#) in the AirPods User Guide.

Make dialogue sound clearer in videos

When you watch supported video content, you can turn on voice isolation so the dialogue is easier to hear. During dialogue, voices are isolated and all other audio is substantially reduced.

1. Go to Settings  > Accessibility > Audio & Visual.
2. Turn on Add Voice Isolation.
3. While watching a supported video in the Apple TV app , then tap .
4. Tap Enhance Dialogue, then tap Enhance or Enhance More.

Play background sounds on iPad

You can have iPad play ambient background sounds—such as ocean waves or rain—to help you focus or rest. See the Apple Support article, [Use Background Sounds to help with sleep, focus, and more](#).

1. Go to the Settings app  on your iPad

Tip: Control Background Sounds with the click of a button or from Control Center. See [Quickly turn accessibility features on or off](#).

2. Tap Accessibility, tap Audio & Visual, tap Background Sounds, then turn on Background Sounds.

3. Set any of the following:

- *Sound*: Choose a sound; the audio file downloads to your iPad.
- *Volume*: Drag the slider.
- *Use When Media is Playing*: Adjust the volume of the background sound when iPad is playing music or other media.
- *Equalizer*: Adjust the volume of different frequency ranges in background sounds.

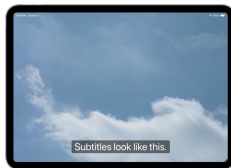
Tone: Select Broad to hear wider frequency ranges with a richer sound. Select Focused to hear specific frequency ranges with less audio distraction.

Balance: Drag the slider left or right to adjust the sound balance.
- *Stop Sounds with a Timer*: Set a timer to stop playing background sounds at a specific time or after an amount of time.

Tip: Repeat the timer settings you selected by turning on "Always use these settings."
- *Stop Sounds When Locked*: Background sounds stop playing when iPad is locked.

Display subtitles and captions on iPad

iPad can provide subtitles, closed captions, and transcriptions so you can follow along more easily with audio and video.



Turn on subtitles and captions in the Apple TV app

When you play video content in a supported 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.

1. While playing video content, tap .
2. Choose from the list of available subtitles and captions.

Customize the subtitles and captions in supported video apps

1. Go to Settings  > 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.
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

Show transcriptions for Intercom

Show transcriptions for intercom messages from HomePod on iPad

If members of your home [use HomePod for Intercom messages](#), iPad can transcribe the messages for you.

1. Go to Settings  > Accessibility > Subtitles & Captioning, then turn on Show Audio Transcriptions.
2. In the Home app , tap , then tap Home Settings.
3. Tap Intercom, then choose when you receive notifications.

See [Use HomePod as an Intercom](#) in the HomePod User Guide.

Get live captions of spoken audio on iPad

With Live Captions on iPad, you can get a real-time transcription of spoken audio. Use Live Captions to more easily follow the audio in any app, such as FaceTime or Podcasts, and in live conversations around you.

Note: Live Captions is available on [supported models](#). Live Captions isn't available in all languages, countries or regions. The accuracy of Live Captions may vary and shouldn't be relied upon in high-risk or emergency situations.

Set up and customize Live Captions

1. Go to Settings  > Accessibility > Live Captions, then turn on Live Captions.
2. Tap Appearance to customize the text, size, and color of the captions.
3. By default, Live Captions are shown across all apps. To get live captions only for certain apps such as FaceTime or RTT, turn them on below In-App Live Captions.

Use Live Captions

With Live Captions turned on, iPad automatically transcribes the spoken audio in apps—or from dialogue around you. You can do any of the following:

- *Transcribe an in-person conversation:* Tap Live Captions, then tap Microphone.
- *Transcribe iPad audio:* Tap Live Captions, then tap iPad Audio.
- *Pause the transcription:* Tap Live Captions, then tap Pause Listening.
- *Move the Live Captions window:* Drag the Live Captions window to reposition it on the screen.
- *Hide the Live Captions window:* The Live Captions window is automatically hidden when no audio is detected. If the window is showing, swipe left or right on the window to hide it. To restore the window, tap .
- *Make the transcription window full-screen:* Tap . To restore the window to the smaller size, tap .

Speech

Accessibility features for speech on iPad

iPad comes with built-in tools for communicating in the way that works best for you, whether you're nonspeaking, at risk of speech loss, or someone with a speech disability. You can have what you type spoken out loud, create a synthesized voice that sounds like you, and more.

To explore accessibility features for speech, go to Settings  > Accessibility, then scroll down to the Speech section.

Type to speak

If you're unable to speak or you have a speech disability, type what you want to say and have iPad speak it.

[Type to speak using Live Speech](#)

If you're at risk of losing your ability to speak, create a synthesized voice that sounds like you.

[Record your Personal Voice](#)

Type your Siri requests instead of speaking them.

[Type instead of speaking to Siri](#)

	Live Speech		Personal Voice
	Type to Siri		

Control iPad with your voice

Speak commands to navigate and interact with what's on the screen, dictate and edit text, and more.

[Use Voice Control](#)

You can use voiced or voiceless sounds—like an S-sound or a mouth pop—to navigate and interact with what's on the screen.

[Use sound actions with Switch Control](#)

Have iPad perform an action when you speak a word or another sound of your choosing.

[Use Vocal Shortcuts](#)

If you have an acquired or progressive condition that affects speech, have Siri recognize a wider range of atypical speech patterns.

[Change Siri accessibility settings](#)

	Use voice commands		Use simple sounds
	Vocal Shortcuts		Have Siri listen for atypical speech

You can also [have Siri wait longer for you to finish speaking](#), or use [Dictation](#) to enter text using just your voice.

Tip: Control your go-to accessibility features and settings with the click of a button or from Control Center. See [Quickly open features with Accessibility Shortcut](#).

Type to speak using Live Speech on iPad

If you're unable to speak or have lost your speech over time, you can use Live Speech on iPad to have what you type spoken out loud during in-person conversations and in apps like FaceTime. You can choose from dozens of system voices or use [a Personal Voice you create](#).

Note: Live Speech isn't available in all languages. See the [iOS and iPadOS Feature Availability website](#).

Turn on Live Speech

1. Go to Settings  > Accessibility > Live Speech, then turn on Live Speech.
2. Choose a voice. You can use Live Speech with any voice you choose, including your Personal Voice.
3. Triple-click the top button or Home button (depending on your iPad model), then tap Live Speech (if the Accessibility Shortcut is set up with more than one feature).

Have what you type spoken out loud

1. After you [turn on Live Speech](#), type what you want to have spoken in the Live Speech window.

You can also paste copied text into the window, or tap suggested words that appear above the keyboard as you type.

2. Tap Speak to have your text spoken out loud.

If you're on a FaceTime call, Live Speech is output on the other end of the call. Otherwise, the speaker on your iPad outputs Live Speech.

Have saved phrases spoken out loud

With Live Speech, you can select from a list of phrases you use often.

1. After you [turn on Live Speech](#), tap Keyboard at the top of the Live Speech window.
2. Tap a category, like Recent or Saved, then tap a phrase to have it spoken out loud.
3. To hide your saved phrases and return to entering text with the keyboard, tap Phrases at the top of the Live Speech window.

Add or remove saved phrases

Add or remove phrases from the list of saved phrases that you use often.

1. Go to Settings  > Accessibility > Live Speech, then tap Phrases.
2. Tap Saved or another category you've created, then do any of the following:
 - *Add a saved phrase:* Tap +, enter your phrase in the text field, then tap Save.
 - *Remove a saved phrase:* Tap a phrase, then tap Delete Phrase.

Create categories for saved phrases

Organize your saved phrases into categories, such as for different activities—like work, school, or gaming.

1. Go to Settings  > Accessibility > Live Speech, then tap Phrases.

2. Tap +, enter a name for the category, choose an icon, then tap Done.

Allow audio from other apps in calls

You can allow the audio from apps to be audible in voice and video calls, which can be helpful if you use apps that assist with speaking and communication.

1. Go to Settings  > Accessibility > Audio & Visual, then tap Add Audio in Calls.
2. Turn on Allow Apps to Add Audio in Calls.

When this option is on, both audio and microphone input are included in calls. To silence all audio during a call, mute the microphone.

Record your Personal Voice on iPad

If you're at risk of speech loss or someone with a speech disability, you can use Personal Voice on iPad to create a synthesized voice that sounds like you. You can use your Personal Voice with Live Speech and [have what you type spoken out loud on iPad](#) during in-person conversations, in Phone and FaceTime calls, and in assistive communication apps.

1. Go to the Settings app  on your iPad.
2. Tap Accessibility, then tap Personal Voice.
3. Tap Create a Personal Voice, then follow the onscreen instructions.

(If you need to pause your recording session, tap Done. To resume, tap Continue Recording.)

To allow your Personal Voice to be used on all of your devices with iCloud, turn on Share Across Devices. To allow apps to request to use your Personal Voice, turn on Allow Apps to Request to Use.

Note: To see the option to create your Personal Voice, you must first [set a passcode](#). Personal Voice is available on supported iPad models and isn't available in all languages. See the Apple Support article [Use Live Speech on your iPhone, iPad, Mac, or Apple Watch](#) to learn how to use Live Speech with your Personal Voice.

Your Personal Voice is saved securely on your iPad for you to use during Phone and FaceTime calls, in-person conversations, and third-party alternative and augmentative communication (AAC) apps.

Important: Personal Voice can be used only with Live Speech and with third-party apps that you allow, such as Augmentative and Alternative Communication (AAC) apps. You can use Personal Voice only to create a voice that sounds like you on device, using your own voice, and for your own personal, noncommercial use. See the Apple Support article [Create a Personal Voice on your iPhone, iPad, or Mac](#) to learn how to create a Personal Voice. Your [Legacy Contact](#) won't be able to access your Personal Voice.

Use Vocal Shortcuts on iPad

With Vocal Shortcuts, you can teach iPad to perform an action when you speak a word or another sound of your choosing. Vocal Shortcuts can be useful if you have moderate to severe atypical speech but can reliably vocalize certain utterances. Audio is processed on device.

Set up Vocal Shortcuts

1. Go to Settings  > Accessibility > Vocal Shortcuts.
2. Tap Set Up, then tap Continue.
3. Choose an action for iPad to perform when you say the shortcut. If you want the action to be a request to Siri, tap Siri Request, then enter the request.
4. Enter the phrase you'll say when you want iPad to perform the action, then follow the onscreen instructions to repeat the phrase out loud so that iPad can recognize it.

After you set up Vocal Shortcuts,  is shown in the status bar to indicate that Vocal Shortcuts is using the iPad microphone to listen for shortcuts. When you don't want Vocal Shortcuts to use the microphone, go to Settings > Accessibility > Vocal Shortcuts, then turn off Vocal Shortcuts.

Add a Vocal Shortcut

1. Go to Settings  > Accessibility > Vocal Shortcuts.
2. Tap Add Action, then tap Continue.
3. Choose an action for iPad to perform when you say the shortcut. If you want the action to be a request to Siri, tap Siri Request, then enter the request.
4. Enter the phrase you'll say when you want iPad to perform the action, then follow the onscreen instructions to repeat the phrase out loud so that iPad can recognize it.

Use a Vocal Shortcut

After you've [set up Vocal Shortcuts](#), just say the phrase for one the [shortcuts you've created](#).

Delete a Vocal Shortcut

1. Go to Settings  > Accessibility > Vocal Shortcuts.
2. Tap Edit, tap  next to the shortcut you want to delete, then tap Delete.

Tip: If you have an acquired or progressive condition that affects speech, you can have Siri listen for and recognize a wider range of atypical speech patterns. See [Change Siri accessibility settings](#).

Cognitive

Cognitive accessibility features on iPad

iPad comes with built-in options to suit your cognitive needs—or those of someone you care for.

To explore accessibility features on iPad, go to Settings  > Accessibility.

Adapt iPad for someone you care for

If someone you care for has a cognitive disability, set up an iPad with a simplified interface. Choose and customize core features that work best for them.

[Assistive Access User Guide](#)

When you let a child use your iPad, limit their access to a single app.

[Lock iPad to one app](#)



Keep iPad simple



Lock iPad to one app

You can also reduce sensory stimulus from the screen—for example, automatically dim the display of content that depicts flashing or strobing lights, and pause the display of rapid animated images such as GIFs. See [Stop or reduce onscreen motion](#).

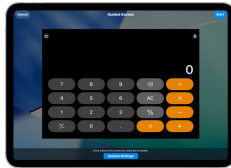
iPad offers many additional tools to help you focus, make it easier to enter text, or follow along with what you're reading or listening to with features like [Focus](#), [Dictation](#), [Read & Speak](#), and [Live Captions](#).

For more resources, visit the [Apple Cognitive Accessibility website](#).

Tip: Control your go-to accessibility features and settings with the click of a button or from Control Center. See [Quickly open features with Accessibility Shortcut](#).

Lock iPad to one app with Guided Access

With Guided Access, you can temporarily restrict iPad to a single app. This can be useful when you let a child use your iPad or when you want to stay focused on a task. You can set a time limit, and customize which features, hardware buttons, and areas of the screen are available.



Set up Guided Access

1. Go to Settings  > Accessibility > Guided Access, then turn on Guided Access.
2. Do any of the following for Guided Access sessions:
 - *End a session with a passcode:* Tap Passcode Settings, tap Set Guided Access Passcode, then enter a passcode.
 - *End a session with Face ID or Touch ID:* Tap Passcode Settings, then turn on [Face ID](#) (on an iPad with Face ID) or [Touch ID](#) (on other iPad models).
 - *Play a sound to announce time limits:* Tap Time Limits, tap Sound, then select a sound or tap Tone Store to browse other options.
 - *Hear time limits spoken:* Tap Time Limits, then turn on Speak to hear the time remaining before a Guided Access session ends.
 - *Allow Accessibility Shortcut during a session:* Turn on [Accessibility Shortcut](#).
 - *Set how long it takes iPad to lock automatically:* Tap Display Auto-Lock, then select an option.

Start a Guided Access session

1. Open the app you want to use.

2. To turn on Guided Access, do one of the following:

[Ask Siri](#) something like, "Turn on Guided Access." [Learn how to use Siri.](#)

- Use [Control Center](#) if you've added Guided Access there.
- Use the [Accessibility Shortcut](#).

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
- Volume Buttons
- Motion (to prevent iPad from switching from portrait to landscape or from responding to other motions)
- Software Keyboards
- Touch
- Time Limit

5. Tap Start.

End a Guided Access session

Depending on the passcode options you chose when you [set up Guided Access](#), do any of the following:

- *Use the passcode:* Triple-click the top button (on an iPad with Face ID) or Home button (on other iPad models), then enter the Guided Access passcode. If you didn't set a Guided Access passcode, enter your iPad passcode.
- *Use Face ID or Touch ID:* If you turned on the Face ID or Touch ID option in Guided Access Passcode Settings, double-click the top button or Home button, then unlock your iPad with Face ID or Touch ID (depending on your iPad model).

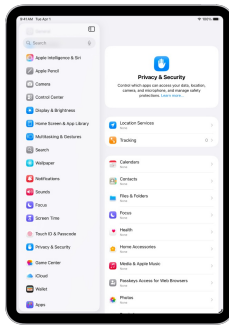
To set up an iPad with a simplified interface and a customizable set of core features, see the [Assistive Access User Guide](#).

Privacy and security

Control what you share on iPad

Apps ask for permission the first time they want to use something on your iPad. You can control which apps can access your data, location, camera, and microphone, and manage safety protections. You can later change how much you want to share.

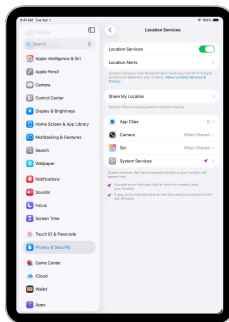
Control which apps have access to information on your iPad



You can let third-party apps use information in your iPad apps—such as Contacts, Photos, and Calendar—to help you get things done more quickly. For example, a messaging app may request access to your contacts to find friends who are using the same app. You can turn access on or off for any individual app.

[How to allow access to information in iPad apps](#)

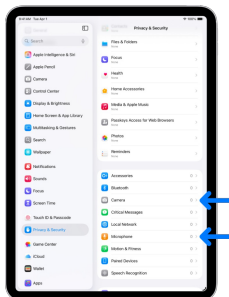
Control which apps can use the location of your iPad



When you give apps access to the location of your iPad, those apps can help you get directions, receive assistance in an emergency, and more. For example, a ride-sharing app may request access to your location to pick you up. When an app is using Location Services,  appears in the status bar.

[How to allow access to the location of your iPad](#)

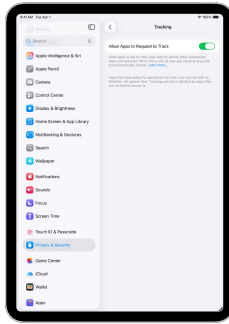
Control which apps have access to the camera and microphone on your iPad



You can let apps use the camera and microphone to make it easier to upload content directly to those apps. For example, a social networking app may ask to use your camera so that you can take and post pictures to that app. Whenever an app uses the camera (including when the camera and microphone are used together), a green indicator appears.

[How to allow access to the camera and microphone](#)

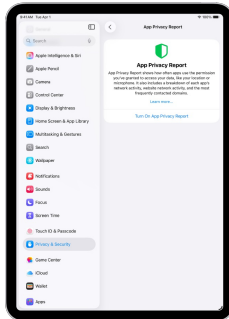
Control which apps can track you or your iPad across websites or other apps



All apps are required to ask your permission before tracking you or your iPad across websites or apps owned by other companies (for example, advertising or to share your information with data brokers). After you grant or deny permission to an app, you can change permission later. You can also stop all apps from requesting permission.

[How to allow access to your web activity](#)

Review how apps are using the permissions you grant them



You can see how apps are using the permissions you've granted them, and their network activity, by reviewing an App Privacy Report.

[How to view an app privacy report](#)

To learn more about how Apple protects your information, go to the [Privacy website](#). To learn how Apple designs security into the core of its platforms, see the [Apple Platform Security Guide](#).

Protect access to your iPad

Set a passcode on iPad

For better security, set a passcode that needs to be entered to unlock iPad when you turn it on or wake it. Setting a passcode also turns on data protection, which encrypts your iPad data with 256-bit AES encryption. (Some apps may opt out of using 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

2. Tap Turn Passcode On or Change Passcode.

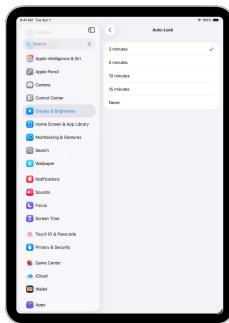
To view options for creating a passcode, tap Passcode Options. The most secure options are Custom Alphanumeric Code and Custom Numeric Code.

After you set a passcode, on supported models you can [use Face ID](#) or [Touch ID](#) to unlock iPad (depending on your model). 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.

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.

Note: If you keep your iPad on the Home Screen and don't take any action, your Auto-Lock time is reduced by half.

After all data is erased, you must [restore iPad from a backup](#). If you didn't back up your iPad, you need to [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 four times in a row, you'll be locked out of your device, and you'll receive a message that says iPad is disabled. If you can't remember your passcode, you can erase your iPad with a computer or with recovery mode, then set a new passcode. See the Apple Support article [If you forgot your iPad passcode, use your Mac or PC to reset it](#).

Note: If you made an iCloud or computer backup before you forgot your passcode, you can restore your data and settings from the backup.

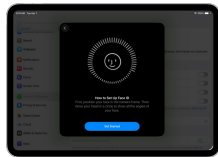
Set up Face ID on iPad

Use Face ID ([supported models](#)) to securely and conveniently 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.

Set up Face ID or add an alternate appearance

- 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.



Choose when to use Face ID

You can use Face ID to unlock your iPad, authorize payments, automatically fill in passwords, and open password-protected apps.

Go to Settings  > Face ID & Passcode, then turn on options below Use Face ID For.

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 slider appears, tap Cancel 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 of the options, such as Password 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. See [Mark a device as lost in Find My](#).

For more information about Face ID, see [About Face ID advanced technology](#).

Set up Touch ID on iPad

On an iPad with a Home button, iPad (10th generation and later), iPad Air (4th generation and later), iPad mini (6th generation), or iPad mini (A17 Pro), you can use Touch ID to securely and conveniently [unlock iPad](#), authorize purchases and payments, and sign in to many third-party apps.

To use Touch ID, you must [set a passcode](#) on your iPad.

Turn on Touch ID

1. Go to Settings  > Touch ID & Passcode.
2. Turn on any of the options below Use Touch ID For, then follow the onscreen instructions.

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

Note: If you can't add a fingerprint or unlock your iPad using Touch ID, see the Apple Support article [If Touch ID isn't working on your iPhone or iPad](#).

Choose when to use Touch ID

You can use Touch ID to unlock your iPad, authorize payments, automatically fill in passwords, and open password-protected apps.

Go to Settings  > Touch ID & Passcode, then turn on options below Use Touch ID For.

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, do one of the following to identify its print:

- *On an iPad with a Home button:* Rest a finger on the Home button.
- *On iPad (10th generation and later), iPad mini (6th generation), iPad mini (A17 Pro), and iPad Air (4th generation and later):* Rest a finger on the top button.

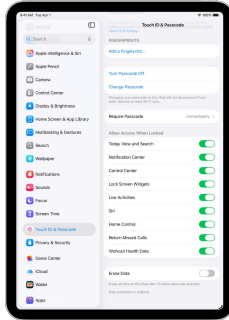
2. Tap the fingerprint, then enter a name (such as "Thumb") or tap Delete Fingerprint.

Turn off Touch ID

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

Turn on Lock Screen features on iPad

You can make some commonly used features (such as Control Center, widgets, and media playback controls) available on the Lock Screen for easy access when iPad is locked.



1. Go to Settings , then depending on your model, tap one of the following:
 - Face ID & Passcode
 - Touch ID & Passcode
 - Passcode
2. Turn on options below Allow Access When Locked.

If you turn off Lock Screen access to a feature, you prevent someone who has your iPad from viewing any personal information that it might contain (such as an upcoming event in the Calendar widget). However, you also lose quick access to the information yourself.

Prevent contacts from communicating with you on iPad

On iPad, you can easily block contacts from being able to communicate with you in the Phone, Messages, and FaceTime apps.

Block a contact

1. Go to the Settings app  on your iPhone.
2. Tap Privacy & Security, then tap Blocked Contacts.
3. Tap Add Blocked Contact, then select a contact to block.

Unblock a contact

1. Go to the Settings app  on your iPhone.
2. Tap Privacy & Security, then tap Blocked Contacts.
3. Select a Blocked Contact, scroll down, then tap Unblock Contact.

Keep your Apple Account secure on iPad

Your Apple Account is the account you use to access Apple services like the App Store, Apple Music, iCloud, iMessage, and FaceTime. Your account includes the email address and password you use to sign in as well as the contact, payment, and security details you use across Apple services. Apple employs industry-standard practices to safeguard your Apple Account.

Best practices for maximizing the security of your Apple Account

- Don't let others use your Apple Account, even family members.

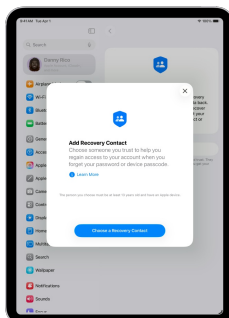
To share purchases, subscriptions, a family calendar, and more without sharing Apple Accounts, [set up Family Sharing](#).

- Use two-factor authentication. If you created your Apple Account on a device with iOS 13.4, iPadOS 13.4, macOS 10.15.4, or later, your account automatically uses two-factor authentication. If you previously created an Apple Account without two-factor authentication, [turn on two-factor authentication](#) now.
- Never provide your password, security questions, verification codes, recovery key, or any other account security details to anyone else. Apple will never ask you for this information.
- When accessing your Apple Account page in Safari or another web browser, look for  in the address field to verify that your session is encrypted and secure.
- When using a public computer, always sign out when your session is complete to prevent other people from accessing your account.
- Avoid phishing scams. Don't click links in suspicious email or text messages and never provide personal information on any website you aren't certain is legitimate. See the Apple Support article [Recognize and avoid social engineering schemes including phishing messages, phony support calls, and other scams](#).
- Don't use your password with other online accounts.
- If one of your devices is lost or stolen, turn on [Lost Mode](#) as soon as possible for that device. (You can do this on a friend's device and don't need to use your own.)

Add Account Recovery Contacts

If you forget your password or get locked out, choose one or more people you trust as Account Recovery Contacts to help you reset your Apple Account password and regain access to your account.

Go to Settings  > [your name] > Sign-In & Security > Recovery Contacts, tap Add Recovery Contact, then follow the onscreen instructions.



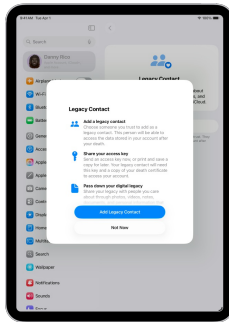
For more information, go to Settings  > [your name] > Sign-In & Security, then tap "Learn more" below Add Recovery Contact.

Add Legacy Contacts

The Digital Legacy program allows you to designate people as Legacy Contacts so they can access your Apple Account in the event of your death.

Go to Settings  > [your name] > Sign-In & Security > Legacy Contact, tap Add Legacy Contact, then follow the onscreen instructions.

For more information about how to share the access key with a legacy contact, how to remove a legacy contact, and how your legacy contact can request access to your account, see the Apple Support article [How to add a Legacy Contact for your Apple Account](#). Also see the Apple Support article [Data that a Legacy Contact can access](#).



Generate a recovery key for your account

For additional control over your account security, you can generate a recovery key that helps you reset your account password or regain access to your Apple Account. A recovery key is a randomly generated 28-character code that you should keep in a safe place. You can reset your account password by either entering your recovery key or using another device already signed in to your Apple Account. To ensure you have access to your account, you are personally responsible for maintaining access to the recovery key and your trusted devices.

See the Apple Support article [Set up a recovery key for your Apple Account](#).

For more information about best practices, see the Apple Support article [Security and your Apple Account](#).

To set up or manage your Apple Account, go to the [Apple Account website](#).

If you forgot your Apple Account password, see the [Recover your Apple Account website](#).

Manage what you share with apps

Control app tracking permissions on iPad

All apps are required to ask your permission before tracking you or your iPad across websites or apps owned by other companies for advertising or to share your information with data brokers. After you grant or deny permission to an app, you can change permission later. You can also stop all apps from requesting permission.

Review or change an app's permission to track you

1. Go to Settings  > Privacy & Security > Tracking.

The list shows the apps that requested permission to track you. You can turn permission on or off for any app on the list.

2. To stop all apps from asking permission to track you, turn off Allow Apps to Request to Track (at the top of the screen).

For more information about app tracking, tap "Learn more" near the top of the screen.

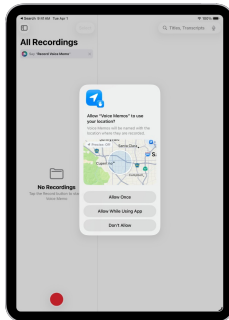
Control the location information you share on iPad

You control whether iPad and apps have information about your location.

To figure out where you are when getting directions, setting up meetings, and more, Location Services uses information (when available) from GPS networks (iPad models with Wi-Fi + Cellular), your Bluetooth® connections, your local Wi-Fi networks, and your cellular network (iPad models with Wi-Fi + Cellular, if you have Cellular Data turned on). When an app is using Location Services,  appears in the status bar.

When you set up iPad, you're asked if you want to turn on Location Services. Afterward, you can turn Location Services on or off at any time.

The first time an app wants location data from your iPad, you receive a request with an explanation. Some apps may make a one-time only request for your location. Other apps may ask you to share your location now and in the future. Whether you grant or deny ongoing access to your location, you can change an app's access later.



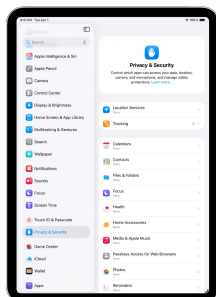
Turn on Location Services

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

Important: If you turn off Location Services, many important iPad features stop working.

View apps using your location information

1. Go to Settings  > Privacy & Security > Location Services.
2. To review or change access settings for an app or to see its explanation for requesting Location Services, tap the app.



To allow an app to use your specific location, leave Precise Location turned on. To share only your approximate location—which may be sufficient for an app that doesn't need your exact location—turn Precise Location off.

Note: If you set the access for an app to Ask Next Time, you're asked to turn on Location Services again the next time an app tries to use it.

To understand how a third-party app uses the information it's requesting, review its terms and privacy policy. See the Apple Support article [About privacy and Location Services in iOS, iPadOS, and watchOS](#).

Hide the map in Location Services alerts

When you allow an app to always use your location in the background, you may receive alerts about the app's use of that information. (These alerts let you change your permission, if you want to.) In the alerts, a map shows locations recently accessed by the app.

To hide the map, go to Settings  > Privacy & Security > Location Services > Location Alerts, then turn off Show Map in Location Alerts.

With the setting off, you continue to receive location alerts, but the map isn't shown.

Review or 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 & Security > Location Services > System Services.

Control access to information in apps on iPad

You control whether third-party apps have access to information in Contacts, Photos, Calendar, and other apps.

Review or change access to information in apps

The first time an app wants to use information from another app, you receive a request with an explanation. For example, a messaging app may request access to your contacts to find friends who are using the same app. After you grant or deny access, you can change access later.

1. Go to Settings  > Privacy & Security.
2. Tap a category of information, such as Calendars, Reminders, or Motion & Fitness.

The list shows the apps that requested access. You can turn access on or off for any app on the list.

Review how apps are using the permissions you grant them

Go to Settings  > Privacy & Security, then tap App Privacy Report.

The App Privacy Report shows you how apps are using the permissions you granted them and shows you their network activity.

To turn off the report and delete its data, go to Settings  > Privacy & Security > App Privacy Report, then tap Turn Off App Privacy Report. You can return to this Settings screen to turn the report on again.

Control access to your contacts on iPad

On iPad, you control which of your contacts an app can access. The first time an app wants to access your contacts, you receive a request from the app, along with an explanation. For example, a messaging app may ask to access your contacts in order to find friends who are using the same app. After you grant or deny the app's request, choose which contacts the app can access. You can always change the access you granted later.

1. Go to Settings  > Privacy & Security.
2. Tap Contacts, then tap the app.
3. Choose how much access to your contacts you're giving the app (below Contacts Access).
4. If you're giving Limited Access, tap Edit Selected Contacts to choose individuals.

Select or deselect individual contacts, then tap Done.

Control how Apple delivers advertising to you on iPad

You control how Apple delivers advertising.

Ads delivered by Apple may appear in the App Store, Apple News, and Stocks. These ads don't access data from any other apps. In the App Store and Apple News, your search and download history may be used to serve you relevant search ads. In Apple News and Stocks, ads are served based partly on what you read or follow. This includes publishers you've enabled notifications for and the type of publishing subscription you have. The articles you read are not used to serve targeted ads to you outside these apps, and information collected about what you read is linked to a random identifier rather than to your Apple Account.

Review the information Apple uses to deliver ads

Go to Settings  > Privacy & Security > Apple Advertising > View Ad Targeting Information.

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

Turn personalized ads on or off

Go to Settings  > Privacy & Security > Apple Advertising, then turn Personalized Ads on or off.

Note: Turning off personalized ads limits Apple's ability to deliver relevant ads to you. It may not reduce the number of ads you receive.

Learn more about privacy and Apple's advertising platform

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

Control access to hardware features on iPad

Before apps use the camera or microphone on your iPad, they're required to request your permission and explain why they're asking. For example, a social networking app may ask to use your camera so that you can take and upload pictures to that app. Apps are similarly required to request your permission to use various other hardware features, including Bluetooth® connectivity, motion and fitness sensors, and devices on your local network.

You can review which apps have requested access to these hardware features, and you can change their access at your discretion.

Review or change access to the camera, microphone, and other hardware features

1. Go to Settings  > Privacy & Security.
2. Tap a hardware feature, such as Camera, Bluetooth, Local Network, or Microphone.

The list shows the apps that requested access. You can turn access on or off for any app on the list.

Note: Whenever an app uses the camera (including when the camera and microphone are used together), a green indicator appears. An orange indicator appears at the top of the screen whenever an app uses the microphone without the camera. Also, a message appears at the top of Control Center to inform you when an app has recently used either.

Create and manage Hide My Email addresses in Settings on iPad

When you [subscribe to iCloud+](#), you can use Hide My Email to keep your personal email address private. With Hide My Email, you can generate unique, random email addresses that forward to your personal email account, so you don't have to share your real email address when filling out forms or signing up for newsletters on the web, or when sending email.

You can create and manage Hide My Email addresses in Settings . Go to Settings > [your name] > iCloud > Hide My Email, then do any of the following:

- *Create a Hide My Email address:* Tap Create New Address, then follow the onscreen instructions.
- *Deactivate a Hide My Email address:* Tap an address (below Create New Address), then tap Deactivate Email Address. After you deactivate the address, it no longer forwards emails to you.
- *Change which personal email address to forward to:* Tap Forward To, then choose an email address. Options consist of addresses that are available with your Apple Account.
- *Copy a forwarding address to use elsewhere:* Tap an address (below Create New Address), touch and hold the Hide My Email section, then tap Copy. To immediately use that address elsewhere, touch and hold in a text field, then tap Paste.

You can also generate Hide My Email addresses in Safari and Mail wherever email addresses are required. In supporting apps, you can also generate a Hide My Email address when an email address is required by tapping the email address field, then tapping Hide My Email above the keyboard.

Protect your web browsing with iCloud Private Relay on iPad

When you [subscribe to iCloud+](#), you can use iCloud Private Relay to help prevent websites and network providers from creating a detailed profile about you. When iCloud Private Relay is on, the traffic leaving your iPad is encrypted and sent through two separate internet relays. This prevents websites from seeing your IP address and exact location while preventing network providers from collecting your browsing activity in Safari.

Note: iCloud Private Relay isn't available in all countries or regions. For more information, see the [iOS and iPadOS Feature Availability](#) website.

Turn iCloud Private Relay on

Go to Settings  > [your name] > iCloud > Private Relay, then tap Private Relay.

Note: You need to turn on iCloud Private Relay on each device where you want to use it.

Turn iCloud Private Relay off

1. Go to Settings  > [your name] > iCloud > Private Relay, then tap Private Relay.
2. Do one of the following:
 - *Turn off iCloud Private Relay temporarily:* Tap Turn Off Until Tomorrow.

Within 24 hours, iCloud Private Relay will turn back on automatically. If you want it to resume sooner, follow the instructions for turning it on at any time.
 - *Turn off iCloud Private Relay completely:* Tap Turn Off Private Relay.

For information about turning off iCloud Private Relay temporarily for a specific website, see [Temporarily allow a website to see your IP address](#).

Turn iCloud Private Relay on or off for a Wi-Fi network

1. Go to Settings  > Wi-Fi.
2. Tap , then turn Limit IP Address Tracking on or off.

If you turn off Limit IP Address Tracking for a Wi-Fi network on your iPad, iCloud Private Relay is turned off for this network across all your devices where you're [signed in to the same Apple Account](#).

Turn iCloud Private Relay on or off for a cellular network (Wi-Fi + Cellular models)

1. Go to Settings  > Cellular Data, then do one of the following:
 - *If your iPad has a single plan:* Tap Cellular Data Options.
 - *If your iPad has multiple plans:* Select a plan (below Cellular Plans).
2. Turn Limit IP Address Tracking on or off.

The network setting is specific to a physical SIM or eSim in your iPad (eSIM not available in all countries or regions). See [Manage your cellular data service](#).

Set the specificity of your IP address location

Go to Settings  > [your name] > iCloud > Private Relay > IP Address Location, then choose one of the following:

- Maintain General Location (for example, to see local content in Safari)
- Use Country and Time Zone (to make your location more obscure)

iCloud Private Relay is not available in all countries or regions.

Use a private network address on iPad

To help protect your privacy, your iPad uses a unique private network address, called a *media access control (MAC) address*, on each Wi-Fi network it joins.

If a network can't use a private address (for example, to provide parental controls or to identify your iPad as authorized to join), you can stop using a private address for that network.

Turn a private address off for a network

1. Go to Settings  > Wi-Fi, then tap ⓘ for a network.
2. Turn Private Address off.

Important: For better privacy, leave Private Address turned on for all networks that support it. Using a private address helps reduce tracking of your iPad across different Wi-Fi networks.

Use Advanced Data Protection for your iCloud data

By default, iCloud secures your information by encrypting it when it's in transit, storing it in an encrypted format, and securing your encryption keys in Apple data centers. In addition, many Apple services use end-to-end encryption; your information is encrypted using keys derived from your devices and your device passcode, which only you know.

For the highest level of cloud data security, you can turn on Advanced Data Protection (iPadOS 16.2 or later required). It uses end-to-end encryption on more data categories such as the following:

- Device backup
- Messages backup
- iCloud Drive
- Notes
- Photos
- Reminders
- Safari bookmarks
- Siri Shortcuts
- Voice Memos

- Wallet passes

With Advanced Data Protection, your protected data can be decrypted only on your trusted devices, protecting your information even in the case of a data breach in the cloud. Not even Apple can access your information.

For detailed information about the requirements for using Advanced Data Protection, see the Apple Support article [How to turn on Advanced Data Protection for iCloud](#).

Turn on Advanced Data Protection

1. Go to Settings > [your name] > iCloud, then tap Advanced Data Protection.
2. Tap Turn On Advanced Data Protection.
3. If you haven't set up a Recovery Contact or Recovery Key, tap Account Recovery, tap Set Up Account Recovery, then follow the onscreen instructions.

WARNING: If you use Advanced Data Protection, you're responsible for your data recovery. Because Apple won't have the keys required to recover your data, you'll need to have a Recovery Contact or Recovery Key set up on your account. You can use these additional recovery methods to regain access to your data if you ever forget your password or lose access to your account.

If you choose to turn off Advanced Data Protection later, your iCloud data will revert to the standard level of security.

Harden your iPad from a cyberattack with Lockdown Mode

Lockdown Mode is an extreme protection feature for iPad. Protections include safer wireless connectivity defaults, media handling, media sharing defaults, sandboxing, and network security optimizations.

Lockdown Mode is optional and should be used only if you believe you might be targeted by a highly sophisticated cyberattack, such as by a private company developing state-sponsored mercenary spyware.

Important: Most people are never targeted by attacks of this nature.

When iPad is in Lockdown Mode, it doesn't function as it typically does. Apps, websites, and features are strictly limited for security, and some functionality isn't available.

Learn about Lockdown Mode

Go to Settings  > Privacy & Security > Lockdown Mode, then tap Learn More.

Turn on Lockdown Mode

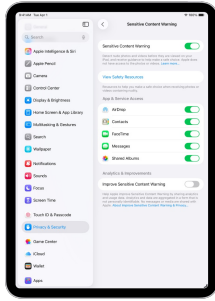
Go to Settings  > Privacy & Security > Lockdown Mode, then turn on Lockdown Mode.

Receive warnings about sensitive content on iPad

You can have your iPad (or your family member's iPad) check for sensitive images and warn you before you view them.

Turn on Sensitive Content Warning

1. Go to Settings  > Privacy & Security.
2. Tap Sensitive Content Warning, then turn on Sensitive Content Warning.



You (or your family member) will receive a warning before receiving or sending sexually explicit photos.

Note: Sensitive Content Warning is turned on automatically if you set up Screen Time and turn on Communication Safety. See [Turn on or off checking for sensitive images and videos in communications on a family member's iPad](#).

In Screen Time, you can also block inappropriate content and set restrictions on purchases.

Use Contact Key Verification on iPad

You can use Contact Key Verification to receive automatic alerts that help verify you're communicating only with the people you intend. You can also generate unique codes that you and your contacts can compare simultaneously in the Messages app to further verify each other's identities. Additionally, you can post your Public Verification Code to a social media account so other people can confirm that it's you when they send you a message, and you can save other people's codes in the Contacts app.

Note: Contact Key Verification is designed to prevent highly sophisticated cyberattacks; it isn't designed to prevent fraud such as phishing or other text-based scams. To learn more about Contact Key Verification and troubleshooting, see the Apple Support article [About iMessage Contact Key Verification](#).

Before you begin

To use Contact Key Verification, make sure of the following:

- Your devices are passcode or password protected.
- You're signed in to iCloud and iMessage with the same Apple Account and you have two-factor authentication turned on for your Apple Account.
- The person you're trying to verify is in your contacts.

Turn on Contact Key Verification

1. Go to Settings  > [your name] > Contact Key Verification.
2. Turn on Verification in iMessage, then tap Continue.

Note: When you turn on Contact Key Verification, you're prompted to update all of your Apple devices to compatible software. If you have a device that can't be updated, you need to sign out of iMessage on that device before you can turn on this feature.

Share a Public Verification Code

You can share your Public Verification Code in a message, or post it on a social media account so other people can verify your identity.

1. Go to Settings  > [your name] > Contact Key Verification.
2. Tap Show Public Verification Code.
3. To share your Public Verification Code, tap Copy Verification Code, tap OK, then paste the code wherever you want to share it.

You can also use someone else's Public Verification Code to verify their identity. For example, if someone shares a Public Verification Code with you that doesn't match the code they have displayed on their social media profile, you should stop sending them messages until you can confirm their identity.

Generate verification codes in Messages

For a higher level of security, you and your contacts can generate a verification code in Messages, then save each other's Public Verification Codes in Contacts. This is useful when you want to verify each other simultaneously, or if the Public Verification Code you received doesn't match the one your contact shares with you.

1. Go to the Messages app  on your iPad.
2. Tap the person's name at the top of the conversation, scroll down, then tap Verify Contact.

When the other person taps Verify Contact on their device, a contact verification code appears.

3. Compare the verification codes on both devices, then do one of the following:
 - *If the codes match:* Tap Mark as Verified, tap Update to add the verification code to the other person's contact card, then tap Done.
 - *If the codes don't match:* You might not be communicating with the person that you intend. Tap No Match, then stop sending messages to the person until you can verify their identity.

After you verify a contact, a checkmark appears next to their name in Messages. You can also check their verification status in the Conversation Details, or find their Public Verification Code in Contacts.

Restart, update, reset, and restore

Turn iPad on or off

Use the top button to turn on iPad. You can use the top button (along with either volume button on some models) or Settings  to turn off iPad.

If your iPad isn't working as expected, you can try restarting it by turning it off, then turning it back on. If turning it off and on doesn't fix the issue, try [forcing it to restart](#).

Turn iPad on or off (models with Face ID or with Touch ID in the top button)

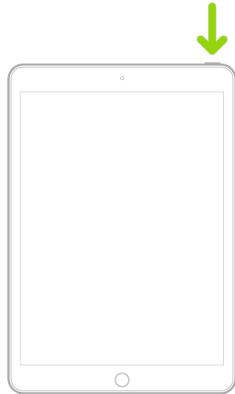
If your iPad doesn't have the Home button, do the following:

- *Turn on iPad:* Press and hold the top button until the Apple logo appears.
- *Turn off iPad:* Simultaneously press and hold the top button and either volume button, then drag the slider.



Turn iPad on or off (models with the Home button)

- *Turn on iPad:* Press and hold the top button until the Apple logo appears.
- *Turn off iPad:* Press and hold the top button, then drag the slider.



To turn off any model, you can go to Settings  > General > Shut Down, then drag the slider.

Force restart iPad

If iPad isn't responding, and you can't restart it by [turning it off then on](#), try forcing it to restart.

Note: If iPad doesn't restart after you try these steps, see the Apple Support article [If your iPad won't turn on or is frozen](#). Or if your iPad isn't working as expected after you restart it, see the [iPad Support website](#).

Force restart iPad (models with Face ID or with Touch ID in the top button)

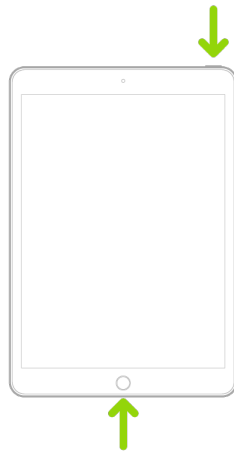
If your iPad doesn't have the Home button, do the following:

1. Press and quickly release the volume button nearest to the top button.
2. Press and quickly release the volume button farthest from the top button.
3. Press and hold the top button.
4. When the Apple logo appears, release the top button.



Force restart iPad (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.



Update iPadOS

When you update to the latest version of iPadOS, your data and settings remain unchanged. You can also automatically install system file updates to improve the features of your iPad without updating iPadOS.

Before you update, set up iPad to [back up](#) automatically, or back up your iPad manually.

Update iPad automatically

If you didn't turn on automatic updates when you first set up your iPad, do the following:

1. Go to the Settings app  on your iPad.
2. Tap General, tap Software Update, then tap Automatic Updates.
3. Turn on one of the following:
 - *Automatically Install*: When an update is available, iPad downloads and installs it overnight while charging and connected to Wi-Fi. You're notified before an update is installed.
 - *Automatically Download*: Downloads an update automatically when your iPad is connected to Wi-Fi, charging, and locked so you can install the update later. To see this option, first turn off Automatically Install.

Update iPad manually

At any time, you can check for and install software updates.

1. Go to the Settings app  on your iPad.
2. Tap General, then tap Software Update.

The currently installed version of iPadOS is shown, and whether an update is available.

3. If an update is available, tap Download and Install, then follow the onscreen instructions.

Update using your computer

1. [Connect iPad and your computer with a cable.](#)

2. Do one of the following:

- *On a Mac (macOS 10.15 or later):* In the Finder sidebar, select your iPad, then click General at the top of the window.
- *On a Mac (macOS 10.14 or earlier) or a Windows device:* Open the iTunes app, click the button resembling an iPad near the top left of the iTunes window, then click Summary.

Note: Use the latest version of iTunes. See the Apple Support article [Update to the latest version of iTunes](#).

3. Click Check for Update.

4. To install an available update, click Update.

Automatically update system files only

iPad can automatically download and install system file updates to improve iPad features without updating iPadOS.

1. Go to the Settings app  on your iPad.
2. Tap General, tap Software Update, then tap Automatic Updates.
3. Under iPadOS Updates, turn off Automatically Install.
4. Under System Files, turn on Automatically Install.

See the Apple Support articles [How to download iPadOS 18](#) and [If you can't update or restore your iPhone, iPad, or iPod touch](#).

Back up iPad

You can back up iPad using iCloud or your computer. To decide which method is best for you, see [About backups for iPhone, iPad, and iPod touch](#).

Tip: If you replace your iPad, you can use its backup to transfer your information to the new device. See [Restore all content from a backup](#).

Back up iPad using iCloud

iCloud backups store information and settings on your device that don't regularly sync to iCloud. This includes things like device settings, Home Screen layout, and app organization. See the Apple Support article [What does iCloud back up?](#)

1. Go to the Settings app  on your iPad.
2. Tap [your name], tap iCloud, then tap iCloud Backup.
3. Turn on Back Up This iPad.

iCloud automatically backs up your iPad daily when iPad is connected to power, locked, and connected to Wi-Fi.

Note: On Wi-Fi + Cellular models [that support 5G](#), your carrier may give you the option to back up iPad using your cellular network. Go to Settings > [your name] > iCloud > iCloud Backup, then turn Backup Over Cellular on or off .

4. To perform a manual backup, tap Back Up Now.

If you need help backing up your iPad with iCloud, see the Apple Support article [If you can't back up to iCloud](#).

View available iCloud storage

1. Go to the Settings app  on your iPad.
2. Tap *[your name]*, then tap iCloud.

The amount of iCloud storage used and the amount of iCloud storage available appear at the top of the screen.

Manage iCloud storage

You can view details about iCloud backups, such as the last backup, the next backup size, and the apps included in the backup.

1. Go to the Settings app  on your iPad.
2. Tap *[your name]*, then tap iCloud.
3. Tap iCloud Backup, then tap your iPad (This iPad).
4. To reduce the size of a backup, tap the apps you don't want to back up anymore; the apps' existing backup data will also be deleted from iCloud.

For more information, see the Apple Support article [Manage your iCloud storage](#).

Back up iPad using your Mac

You can save a backup of your iPad on your Mac.

1. [Connect iPad and your computer with a cable](#).
2. In the Finder sidebar on your Mac, select your iPad.

To use the Finder to back up iPad, macOS 10.15 or later is required. With earlier versions of macOS, [use iTunes](#) to back up iPad.
3. At the top of the Finder window, click General.
4. Select "Back up all of the data on your iPad to this Mac."
5. To encrypt your backup data and protect it with a password, select "Encrypt local backup."
6. Click Back Up Now.

Note: You can also connect iPad to your computer wirelessly. See [Sync your iPad with other devices](#).

Back up iPad using your Windows device

1. [Connect iPad and your computer with a cable](#).
2. In the iTunes app on your Windows device, click the iPad button near the top left of the iTunes window.
3. Click Summary.
4. Click Back Up Now (below Backups).
5. To encrypt your backups, select "Encrypt local backup," type a password, then click Set Password.

To see the backups stored on your computer, choose Edit > Preferences, then click Devices. Encrypted backups have a lock icon in the list of backups.

Note: You can also connect iPad to your computer wirelessly. See [Sync your iPad with other devices](#).

Reset iPad settings to their defaults

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

If you want to save your settings, [back up iPad](#) before resetting it. For example, if you're trying to solve a problem but resetting iPad doesn't help, you might want to restore your previous settings from a backup.

1. Go to the Settings app  on your iPad.
2. Tap General, tap Transfer or Reset iPad, then tap Reset.

WARNING: If you choose the Erase All Content and Settings option, all your content is removed. See [Erase iPad](#).

3. Choose an option:
 - *Reset All Settings:* All settings—including network settings, the keyboard dictionary, location settings, privacy settings, and Apple Pay cards—are removed or reset to their defaults. No data or media are deleted.
 - *Reset Network Settings:* All network settings are removed. In addition, the device name assigned in Settings > General > About is reset to "iPad," and manually trusted certificates (such as for websites) are changed to untrusted.

Cellular data roaming may also be turned off. (See [View or change cellular data settings](#).)

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 > VPN & 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](#).

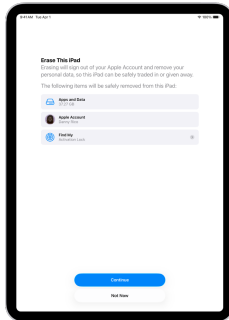
To remove network settings installed by MDM, go to Settings > General > VPN & Device Management, select the management, then tap Remove Management. This also removes other settings and certificates provided by MDM. See "Mobile device management (MDM)" in the [Deployment Reference for iPhone and iPad](#).

- *Delete All eSIMs (Wi-Fi + Cellular models):* All eSIMs stored on your iPad are deleted. You will need to set up a new eSIM or physical SIM card to connect to a cellular network. See [Set up cellular service](#).
- *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 Handwriting Style:* Resets custom handwriting preferences to their defaults.
- *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 completely erase your iPad, see [Erase iPad using Settings](#). If you want or need to use a computer to erase your iPad, see [Erase iPad using your Mac or Windows device](#).

Erase iPad

You can securely erase your personal information, content, and settings (such as privacy and network settings) from your iPad. When you erase your iPad, it's restored to factory settings. If you want to reset your iPad settings but keep your personal content, see [Reset iPad settings](#).



Before you begin

[Back up](#) your iPad so you can restore your data later on a different device.

Erase iPad using Settings

1. Go to the Settings app  on your iPad.
2. Tap General, then tap Transfer or Reset iPad.
3. Tap Erase All Content and Settings.
4. If asked, enter your iPad passcode or Apple Account password.
5. Tap Continue to confirm.

If you have an eSIM, you can choose to erase your eSIM or keep it. If you erase your eSIM, you need to contact your carrier to reactivate your cellular plan.

Erase iPad using your Mac or Windows device

1. Connect your iPad to your computer with a USB or USB-C cable.
2. On your Mac, click  to open a Finder window, or open the Apple Devices app on your Windows device.

If your Mac is using macOS 10.14 or earlier, or your Windows device doesn't have the Apple Devices app, open iTunes instead.

3. Click the iPad icon in the Finder sidebar (below Locations), then click General at the top of the window.
4. Click Restore iPad, then click Restore to confirm.

Note: If you're signed in to Find My, you need to sign out before you can click Restore.

For troubleshooting, see the Apple Support article, [Restore your iPhone, iPad, or iPod to factory settings](#).

Restore all content to iPad from a

backup

You can restore content, settings, and apps from a backup to a new or newly erased iPad.

Important: To restore your iPad, you must have a backup to restore from. See [Back up iPad](#).

Restore iPad from an iCloud backup

1. Turn on your iPad.

The Hello screen should appear. If you already set up your device, you need to [erase all of its content](#) before you can use these steps to restore from your backup.

2. Do one of the following:

- Tap Set Up Manually, tap Restore from iCloud Backup, then follow the onscreen instructions.
- If you have another iPhone, iPad, or iPod touch with iOS 11, iPadOS 13, or later, you can use Quick Start to automatically set up your new device. Bring the two devices close together, then follow the onscreen instructions to securely copy many of your settings, preferences, and iCloud Keychain. You can then restore the rest of your data and content to your new device from your iCloud backup.

Or, if both devices have iOS 12.4, iPadOS 13, or later, you can transfer all your data wirelessly from your previous device to your new one. Keep your devices near each other and plugged into power until the migration process is complete.

You're asked for your Apple Account. If you've forgotten your Apple Account, go to iforgot.apple.com.

Restore iPad from a computer backup

1. [Using USB](#), connect a new or newly erased iPad to the computer containing your backup.
2. Do one of the following:

- *On a Mac (macOS 10.15 or later):* In the Finder sidebar, select your iPad, click Trust, then click "Restore from this backup."
- *On a Mac (macOS 10.14 or earlier) or a Windows device:* Open the iTunes app, click the button resembling an iPad near the top left of the iTunes window, click Summary, then click Restore Backup.

Note: Use the latest version of iTunes. See the Apple Support article [Update to the latest version of iTunes](#).

3. Choose your backup from the list, then click Continue.

If your backup is encrypted, you must enter the password before restoring your files and settings.

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](#).

Restore purchased and deleted items to iPad

You can redownload items purchased from the App Store, Book Store, Apple TV app, and iTunes Store without repurchasing them. If you're part of a [Family Sharing](#) group, you can download items purchased by other family members, too. To restore purchases that aren't on your iPad, see the following Apple Support articles:

- [Redownload apps and games from Apple](#)
- [Redownload books and audiobooks](#)
- [Redownload TV shows and movies that you purchased](#)
- [Redownload music](#)

You can also [recover recently deleted email, photos, notes](#), and [voice memos](#).

Sell, give away, or trade in your iPad

Before you sell, give away, or trade in your iPad, see the Apple Support article [What to do before you sell, give away, or trade in your iPhone or iPad](#), and be sure to perform the following tasks:

- [Back up iPad](#). If you replace one iPad with another, you can [use the setup assistant](#) to restore the backup to your new iPad.

If you're replacing your iPad with another one you have on hand, you can use extra free storage in iCloud to move your apps and data from one iPad to another. Go to Settings  > General > Transfer or Reset iPad > Get Started, then follow the onscreen instructions.

- Sign out of iCloud, the iTunes Store, and the App Store. Go to Settings > [your name], scroll down, tap Sign Out, enter your Apple Account password, then tap Turn Off.
- [Erase all content and settings](#) that contain personal information. If you previously [turned on Find My](#) for your iPad, Activation Lock is removed when you erase iPad, making it ready for a new owner.

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's downloaded from a webpage. You're asked for permission to install the profile and, when you open the file, information about what it contains is displayed. You can see the profiles you have installed in Settings  > General > VPN & Device Management. If you delete a profile, all of the settings, apps, and data associated with the profile are also deleted.

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. iPad should only be serviced by a trained technician. Disassembling iPad may damage it or cause injury to you. If iPad is damaged or malfunctions, you should contact Apple, or an Apple Authorized Service Provider for service. Repairs performed by untrained individuals or using non-genuine Apple parts may affect the safety and functionality of the device. You can find more information about repairs and service at the [iPad Repair and Service website](#).

Battery. An iPad battery should only be repaired by a trained technician to avoid battery damage, which could cause overheating, fire, or injury. Batteries should be recycled or disposed of separately from household waste and according to local environmental laws and guidelines. For information about battery service and recycling, see the [Battery Service and Recycling website](#).

Lasers. The TrueDepth camera system and the LiDAR Scanner contain one or more lasers. These laser systems may be disabled for safety reasons if the device is damaged or malfunctions. If you receive a notification on your iPad that the laser system is disabled, you should always have it repaired by Apple or an Apple Authorized Service Provider. Improper repair, modification, or use of non-genuine Apple components in the laser systems may prevent the safety mechanisms from functioning properly, and could cause hazardous exposure and injury to eyes or skin.

Distraction. Using iPad in some circumstances may distract you and might cause a dangerous situation (for example, avoid listening to music with 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 countries or regions, resulting in maps and location-based information that may be unavailable, inaccurate, or incomplete. Compare the information provided in 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.

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. 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 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, the USB cable, and the 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 required surface temperature limits defined by applicable country regulations and international and regional safety standards. 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.
- The power adapter has been dropped, and its enclosure is damaged.

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 [Reduce loud headphone sounds in Settings](#). For more information about hearing loss, see the [Sound and Hearing website](#).

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 > Legal & Regulatory > 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, iPad Smart Cover, Smart Folio, Smart Keyboard Folio, Magic Keyboard, Magic Keyboard Folio, and Apple Pencil contain magnets as well as components and/or radios that emit electromagnetic fields. These magnets and electromagnetic fields might interfere with medical devices.

Consult your physician and medical device 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, iPad Smart Cover, Smart Folio, Smart Keyboard Folio, Magic Keyboard for iPad or Apple Pencil. Manufacturers often provide recommendations on the safe use of their devices around wireless or magnetic products to prevent possible interference. If you suspect iPad, iPad Smart Cover, Smart Folio, Smart Keyboard Folio, Magic Keyboard for iPad or Apple Pencil are interfering with your medical device, stop using these products.

Medical devices such as implanted pacemakers and defibrillators may contain sensors that respond to magnets and radios when in close contact. To avoid any potential interactions with these devices, keep your iPad, iPad Smart Cover, Smart Folio, Smart Keyboard Folio, Magic Keyboard for iPad and Apple Pencil a safe distance away from your device (more than 6 inches/15cm, but consult with your physician and your device manufacturer for specific guidelines).

Not a medical device. iPad is not a medical device and should not be used as a substitute for professional medical judgment. It is not designed or intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of any condition or disease. Please consult your healthcare provider prior to making any decisions related to your health.

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.

Magnetic interference. The Magic Keyboard and Magic Keyboard Folio contain magnets that hold iPad securely in place. Avoid placing cards that store information on a magnetic strip—such as credit cards or hotel key cards—on Magic Keyboard and Magic Keyboard Folio surfaces that attach to iPad, as such contact may demagnetize the card.

For Australian customers, see the [Online Safety resources website](#).

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 off iPad:
 - *On an iPad with a Home button:* Press and hold the top button until the slider appears, then drag the slider.
 - *On other iPad 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.
- 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. (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.
- 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](#).

Find more resources for iPad software and service

Refer to the following resources to get more iPad-related safety, software, service, and support information.

To learn about	Do this
Using iPad safely	See Important safety information .
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 countries or regions)	See the Apple Support website .
Managing your Apple Account	Sign in to your Apple Account .
Using iCloud	See the iCloud User Guide .
Using iTunes for Windows	See the iTunes User Guide for Windows .
Using other Apple iPad apps	See the App Store 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, go to Settings  > General > About. See the Apple Support article Find the serial number or IMEI 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 > Legal & Regulatory.
Battery service	See the Battery Service and Recycling website .
Learn about iPad compliance with power management requirements	See the Environmental regulatory information website .
Using iPad in an enterprise environment	See the Apple at Work website .

To learn about	Do this
Using iPad in education	See the Education website .

FCC compliance statement

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.

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.

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, television sets, and other electronic devices.

Transmitters in the 5925-7125 MHz band are prohibited from operating to control or communicate with unmanned aircraft systems.

Models supporting WiFi 6 GHz are prohibited from operation on oil platforms and aircraft. Operation in 5.925-6.425 GHz is permitted in large aircraft while flying above 10,000 feet

Installation on outdoor fixed infrastructure is prohibited.

Responsible party (contact for FCC matters only):

Apple Inc.

One Apple Park Way, MS 911-AHW

Cupertino, CA 95014

USA

ISED Canada compliance statement

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.

Models supporting WiFi 6 GHz operation in the 5925-7125 MHz band shall not be used for control of or communications with unmanned aircraft systems, or on oil platforms, or on aircraft, except for the low-power indoor access points, indoor subordinate devices, low-power client devices, and very low-power devices operating in the 5.925-6.425 GHz band, that may be used on large aircraft as defined by the Canadian Aviation Regulations, while flying above 3,048 meters (10,000 feet).

Models supporting WiFi 6 GHz operation in the 5925-7125 MHz band shall not be used on automobiles, trains, or maritime vessels (Except for very low-power devices).

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.

Les modèles prenant en charge le fonctionnement WiFi 6 GHz dans la bande 5 925-7 125 MHz ne doivent pas être utilisés pour le contrôle ou la communication avec des systèmes d'aéronefs sans pilote, ou sur des plateformes pétrolières ou à bord d'aéronefs, à l'exception des points d'accès intérieurs à faible puissance, des appareils subordonnés intérieurs, des appareils clients à faible puissance et des appareils à très faible puissance fonctionnant dans la bande 5,925-6,425 GHz, qui peuvent être utilisés sur de gros aéronefs tels que définis par le Règlement de l'aviation canadien, lorsqu'ils volent à plus de 3 048 mètres (10,000 pieds).

Les modèles prenant en charge le fonctionnement WiFi 6 GHz dans la bande 5 925-7 125 MHz ne doivent pas être utilisés sur les automobiles, les trains ou les navires (à l'exception des appareils à très faible puissance).

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](#).

Class 1 Laser information for iPad

iPad Pro 11-inch and iPad Pro 12.9-inch (3rd generation and later) are classified as Class 1 Laser products per IEC 60825-1 Ed. 3. These devices comply with 21 CFR 1040.10 and 1040.11, except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019. Caution: These devices contain one or more 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.

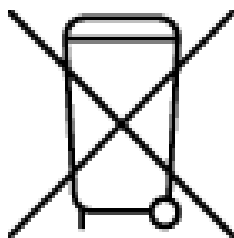


Disposal and recycling information for iPad

Apple Recycling Program (available in some countries or regions)

For free recycling of your old iPad, a prepaid shipping label, and instructions, see the [Apple Trade In website](#).

Disposal and Recycling 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. For information about Apple's recycling program, recycling collection points, restricted substances, and other environmental initiatives, visit apple.com/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 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 decidas desechar este producto y/o su batería, hazlo 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, visita apple.com/mx/environment o apple.com/la/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.

警告：不要刺破或焚燒。該電池不含水銀。



廢電池請回收
警告：請勿戳刺或焚燒。此電池不含汞。

Unauthorized modification of iPadOS

iPadOS is designed to be reliable and secure from the moment you turn on your device. Built-in security features help protect against malware and viruses and secure user access to personal information and corporate data. Unauthorized modifications to iPadOS (also known as "jailbreaking") bypass security features and can cause numerous issues such as security vulnerabilities, instability, and shortened battery life to the hacked iPad.

- **Security vulnerabilities.** Jailbreaking your device eliminates security layers designed to protect your personal information and your iPadOS device. With this security removed from your iPadOS device, hackers may steal your personal information, damage your device, attack your network, or introduce malware, spyware, or viruses.
- **Instability.** Unauthorized modifications can cause frequent and unexpected crashes of the device, crashes and freezes of built-in apps and third-party apps, and loss of data.
- **Shortened battery life.** Hacked software can cause an accelerated battery drain that shortens the operation of iPad on a single battery charge.
- **Unreliable voice and data.** Unauthorized modifications can cause dropped calls, slow or unreliable data connections, and delayed or inaccurate location data.
- **Disruption of services.** Services such as iCloud, iMessage, FaceTime, Apple Pay, Visual Voicemail, Weather, and Stocks, may be disrupted or no longer work on the device. Additionally, third-party apps that use the Apple Push Notification Service may experience difficulty receiving notifications or may receive notifications intended for a different device. Other push-based services, such as iCloud and Exchange, may experience problems syncing data with their respective servers.
- **Inability to apply future software updates.** Some unauthorized modifications may cause damage to iPadOS that is not repairable. This can result in the hacked iPad becoming permanently inoperable when a future Apple-supplied iPadOS update is installed.

Apple strongly cautions against installing any software that modifies iPadOS. It is also important to note that unauthorized modification of iPadOS is a violation of the iOS and iPadOS Software License Agreement and because of this, Apple may deny service for an iPad that has any unauthorized software installed.

Information about products not manufactured by Apple, or independent websites not controlled or tested by Apple, is provided without recommendation or endorsement. Apple assumes no responsibility with regard to the selection, performance, or use of third-party websites or products. Apple makes no representations regarding third-party website accuracy or reliability. Contact the vendor for additional information.

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 an iPad with a Home button, press the top button or the Home button. To unlock other iPad 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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