

**New features available  
with iPadOS 17.**

# Key Features and Enhancements

## Lock Screen

**Widgets on the Lock Screen.** Place widgets on your iPad Lock Screen on the left side. Larger widgets are available to glance at information like the weather, time, date, battery levels, upcoming calendar events, alarms, and time zones.

**Rotation support.** In portrait, configure a set of widgets to appear under the time. Rotating to landscape offers more flexibility to add widgets on the left side. Select widgets above the time for both orientations.

**Stylized date and time.** Customize the look of the date and time on your Lock Screen with expressive font styles and color choices.

**Font weight.** Adjust the weight of the font for the time.

**Multilayered photo effect.** Photo subjects are dynamically displayed in front of the time to make the subject of the photo pop.

**Lock Screen editing.** It's easy to customize the font, color, or placement of elements on your Lock Screen by tapping the element.

**Adaptive tinting.** Widgets blend seamlessly with your wallpaper, optimizing for legibility and clarity of photo wallpapers.

**Wallpaper gallery.** Select from a gallery of personalized Lock Screens, each with a unique backdrop, stylized view of the date and time, and data-rich widgets.

**Suggested photos.** iPadOS intelligently suggests photos from your library that look great on the Lock Screen.

**Motion effect for Live Photo wallpaper.** An all-new motion effect for Live Photos makes your Lock Screen feel more dynamic than ever on wake, and settles into your Home Screen when unlocked.

**Photo shuffle.** See a set of photos shuffle automatically on your Lock Screen. Set the cadence for how often your Lock Screen updates with a new photo, or let iPadOS surprise and delight you throughout the day.

**Multilayered photo effect for photo shuffle.** Subjects can be dynamically displayed in front of the time to make the subject of the photo pop.

**Photo styles.** Apply styles to photos on the Lock Screen that automatically change the color filter, tinting, and font style to complement one another. Choose from new styles that add color to the background behind a subject, or replace it entirely with gradients or solid colors.

**Astronomy wallpapers.** See the earth, moon, and other planets in the solar system with a set of dynamic astronomy-themed Lock Screens that update with live conditions, like your live location on Earth, or based on the time of day on Mars.

**Kaleidoscope wallpaper.** This wallpaper uses an algorithm to analyze the photo you pick, find the most interesting elements, and create a beautiful kaleidoscope pattern that moves throughout the day. Multiple styles reveal unique expressions of the same photo. This wallpaper dynamically adapts when you rotate iPad.

**Apple collections.** Choose from a set of dynamic, classic, and landscape Lock Screens. Apple collections include Lock Screens to celebrate special cultural moments, like Pride and Unity, and special "hello" and lake wallpapers.

**Weather wallpaper.** Glance at live conditions on your Lock Screen as the weather changes throughout the day.

**Emoji wallpaper.** Create patterned Lock Screens based on your favorite emoji.

**Color wallpapers.** Choose a color gradient for your Lock Screen using your favorite color combinations.

## **Lock Screens made for Focus.**

iPadOS suggests a relevant set of Lock Screens for provided Focus options, such as a data-rich Lock Screen while you're using the Work Focus or a photo Lock Screen while you're using the Personal Focus.

**Live Activities.** Live Activities make it easier to stay on top of things that are happening in real time, right from the Lock Screen. Includes Now Playing and timers.

**Now Playing.** Listen to music, podcasts, or other audio content with the new design for Now Playing, which expands to a full-screen view that celebrates album art.

**Multiple timers.** Create more than one timer and easily glance at all your running timers.

**Notification view.** Choose to view notifications in an expanded list view, stacked view, or count view. Simply swipe to change the layout in context.

**Notifications roll in from the bottom.** Notifications, including your notification summary, roll in from the bottom of your Lock Screen as you receive them, making them easy to glance at as they come in.

**New notifications design.** Bold text and more prominent imagery from apps make notifications visually pop.

## **Widgets**

**Interactive widgets.** Take action right on a widget on your Home Screen and Lock Screen. Complete to-dos, play or pause your media, access your home controls, and much more.

**Undo on Home Screen.** Undo where you placed a widget on your Home Screen by shaking iPad or using a three-finger tap. The layout of your page will revert back to what you had before.

**Photos album widget.** Select a specific album from the Photos app so photos from your favorite album appear in your Photos widget.

**Music widget.** Play or pause a song or album, or see a dynamic list of the top charts and, for subscribers, recommendations.

**Podcasts widget.** Play or pause a podcast episode.

**Safari widget.** Get quick access to websites in your Safari reading list.

**Home widget.** Access controls you've set up in your home.

**Contacts widget.** See the location, messages, shared photos, and more for your contacts with just a tap.

**Books widget.** Play or pause an audiobook.

## **Messages**

**Stickers.** The new Stickers experience provides you with a single home for all your stickers including Live Stickers, Memoji, Animoji, emoji stickers, and any third-party sticker packs you've downloaded with the ability to share your stickers from the plus button or by touching and holding on a message bubble.

**Search filters.** Search with more precision by combining search filters such as people, keywords, and content types like photos or links to find exactly the message you're looking for.

**Catch-up arrow.** Easily jump to your first unread message in a group conversation by tapping the arrow visible in the top-right corner.

**Swipe to reply.** Reply to a message inline by simply swiping to the right on any bubble.

**Audio message improvements.** When recording an audio message, you are now able to pause and then continue recording the same message before sending. For received audio messages, play them back at up to 2x speed, continue listening when leaving the Messages app, or view a transcription.

**Location-sharing improvements.** Share your location or request someone else's location directly from the plus button in Messages with the new Location app. Location continues to show inline as a bubble in the transcript until the location-sharing session is over.

**Live Location.** View the location of your Find My friends right at the top of the conversation under their name.

**One-time verification code cleanup.** One-time verification codes are automatically deleted from the Messages app after using them with autofill anywhere in the system.

**Apple Cash recurring payments.**<sup>1</sup> Set up recurring payments with Apple Cash for allowances, rent, and anything else, right from Messages.

**iMessage features in MMS groups.** MMS groups support more iMessage features, including tapbacks, effects, edit, replies, and more when using iMessage.

### **Messages in iCloud Improvements.**

Enabling Messages in iCloud will sync Messages settings such as Text Message Forwarding, Send & Receive accounts, and SMS filters across devices.

## **FaceTime**

**Leave a message.** When someone doesn't pick up your FaceTime call, leave them a video or audio message to capture exactly what you want to say. Record a video message on your front or back camera, and take advantage of all the same video effects that make you look your best in FaceTime. For FaceTime Audio calls, you can leave a voicemail.

**Updated Share menu.** Discover ways to collaborate while on a FaceTime call.

**Silence unknown callers.** Choose to automatically decline incoming FaceTime calls from people who are not in your Contacts.

**Reactions and gestures.**<sup>2</sup> Layer screen effects like balloons, confetti, stormy rain, fireworks, or laser beams directly into your camera feed. Trigger them with a tap, or go hands-free and trigger reactions using your gestures alone.

**FaceTime app on Apple TV 4K.**<sup>3</sup> Connect with family and friends around the world from the comfort of your couch. Launch the FaceTime app on Apple TV to initiate a call or start on iPad and hand off to Apple TV. And Center Stage keeps you perfectly framed on the call.

## **Health**

**Health app on iPad.** With a design optimized for the larger display, you can see rich detail at a glance in Summary, review Trends and Highlights, quickly navigate to the information that matters most to you, and dive into the details with interactive charts.

**Health data at your fingertips.** See your health and fitness data from your iPhone, iPad, and Apple Watch, as well as compatible third-party apps and devices—all in one place. Your health data is seamlessly and securely synced across devices.

**Track your health data.** Create medication reminders, track your menstrual cycle, and log health data like symptoms, right from your iPad.

**Health Sharing.** Securely share health data with those closest to you, receive important notifications about your loved ones' health, and view things like their activity, mobility data, heart rate data, and trends. And you can share health data with your healthcare provider (U.S. only).

**Privacy.** Your health data stays on your device and is encrypted when your iPad is locked with a passcode, Touch ID, or Face ID. The Health app on iPad is built to keep your data secure and protect your privacy.

**New look for Favorites.** Favorites now includes rich chart previews, so you can see more information at a glance.

**Follow-up medication reminders.** Choose to receive a follow-up reminder if you haven't logged a scheduled medication, vitamin, or supplement, to help you stay on track. And you have the option to set these reminders as critical alerts.

**Access your Health app data with Siri.**<sup>4</sup> Siri lets you privately and securely ask about your Health app data, like your Activity Rings, cycling distance, steps, heart rate, time asleep, or blood glucose level if you have a connected monitor. You can also log data that you track regularly, like your period or medications you've taken.

**State of mind reflection.** Log your momentary emotion and daily mood from the Health app—which can help you increase emotional awareness, build resilience, and improve wellbeing. Choose what's having the biggest impact on you and describe your feelings.

**State of mind insights.** Get valuable insights into your state of mind with interactive charts in the Health app. View highlights such as what is contributing to your emotions. See your moods and emotions alongside lifestyle factors that can influence them, including exercise, sleep, time in daylight, and mindful minutes.

**Mental health assessments.** Take mental health assessments often used in clinics to understand your current risk for depression and anxiety and if you might benefit from getting support. You can download a PDF to share with your doctor and compare your results over time.

**Mental health education and resources.** Read articles to help you understand and improve your mental health and wellbeing, and access localized resources.

**Screen Distance.**<sup>5</sup> Reduce the risk of myopia by encouraging children to increase the distance at which they view their devices. Screen Distance also gives adults the opportunity to reduce digital eye strain.

**Time in daylight.**<sup>6</sup> More time outdoors in daylight can reduce the risk of myopia. Your Apple Watch can measure the amount of time you spend in daylight and you can see it in the Health app. With Family Setup, kids who don't have their own iPhone can pair their Apple Watch to their parent's iPhone, giving parents visibility into the amount of time their kids are spending in daylight.

## PDFs

**Intelligent form detection.**<sup>4</sup> Fillable documents and forms can now be automatically identified across the system, like in Files, Mail, or scanned documents.

**Enhanced AutoFill.**<sup>4</sup> Populate information such as names and addresses on forms even faster, as powerful on-device language models identify fillable fields and enable AutoFill.

## Notes

**Inline PDFs and document scans.** PDFs and document scans are presented full-width in your note, making it easy to view and interact with them. It's quick to flip to a page of a document you're reviewing, and great for previewing multiple PDFs in the same note.

**Easy review and markup.** Read and annotate, or sketch directly on PDFs and scanned documents in your note when using Apple Pencil.

**Linked notes.** Create links to other notes to connect ideas, content, or any information. It's perfect to link together research notes or recipes, or even to create a lightweight wiki for your team. Type ">>" for a shortcut to add links while writing in your note.

**Block Quote.** Block Quote formatting makes it easy to visually offset a section of writing with a quote bar.

**Monostyled text.** Monospaced formatting has been updated to Monostyled, with inset text and a distinct background.

**Open in Pages.** Create a Pages document from your note with a quick selection from the Share menu.

## Safari

**Profiles.** Keep your browsing separate for topics like work and personal. Each profile has separate history, cookies, extensions, Tab Groups, and favorites.

**Locked Private Browsing.** Private Browsing locks when you're not using it to keep your tabs protected from others with access to your device. Unlock with Face ID, Touch ID, or device passcode.

**Advanced tracker blocking and fingerprint protection in Private Browsing.** Keeps your most sensitive browsing safe with more aggressive tracker blocking and fingerprinting protection.

**Link tracking protection in Private Browsing.** Removes tracking used to identify you from URLs.

**Search engine in Private Browsing.** Set a unique search engine for Private Browsing.

**Streamlined search.** Search in Safari is more responsive than ever and shows easier-to-read and more relevant suggestions.

**Reading List widget.** Add your Safari Reading List to your Home Screen for easy access.

## Freeform

**Improved drawing.** Make eye-catching boards with new drawing tools like Variable Width Pen, Fountain Pen, Highlighter, Watercolor, Slicing Eraser, and Ruler; plus support for hover, tilt, and snap to shape.

**Better diagramming.** Quickly build diagrams and flowcharts by dragging connector handles to connect objects.

**Follow Along.** Guide collaborators around your board so that they can see what you see as you move around the canvas.

**Share to Freeform.** Use the share sheet to add content from other apps to your Freeform boards.

**PDF Markup.** Fill out forms, take notes, or doodle on PDF documents you insert into Freeform.

**Explore 3D objects.** Explore 3D Objects embedded on your canvas using QuickLook.

## Stage Manager<sup>8</sup>

**More flexible window positioning.** Create your ideal window layout using full-width selectable menu bars and more flexible positioning of apps.

**Fast app pairing.** Combine apps for a specific task or project by holding an active window and tapping an app from the Dock or recently used app on the side to pair with it.

**Quickly add apps to your workspace.** Add an app to your workspace by holding down Shift on an external keyboard while tapping the app in the Dock or a recently used app.

**External display cameras.**<sup>9</sup> Use the built-in camera on an external display for enhanced video conferencing.

## Spotlight

**App Shortcuts in Top Hit.** When you search for an app, Spotlight intelligently offers you App Shortcuts to your next action within the Top Hit, so if you search "Photos," you can jump right to your Favorites album.

**Enhanced visual results.** Find what you are looking for faster with search results that pop with familiar colors and iconography.

**Video search.** Search through the videos on your devices by scene, people, and activities. When you tap into a video result, a new scrubber interface will indicate where in the video your search appears.

**Settings in Top Hits.** When you search for settings such as "Airplane Mode," "Wi-Fi," "Dark Mode," and more, Spotlight will offer you a toggle for the setting in the Top Hit.

**Data Detector quick actions.** Phone numbers, email, dates, and times typed into the Spotlight search bar will now offer quick actions such as call number, create contacts, send email, and create calendar event.

## Siri

**Siri.**<sup>10</sup> Just say "Siri" instead of "Hey Siri" for an even more natural way to activate your assistant. Siri detects this phrase with low-power on-device processing that keeps your audio private.

**Back-to-back requests.**<sup>11</sup> Once you activate Siri, you can issue commands back-to-back without needing to reactivate it. And you can also interrupt Siri when you want to override a command. Try "Siri, what's the weather like in San Francisco? What about Cupertino?"

**"Siri, read this."**<sup>12</sup> Listen to Reader Mode-compatible sites in Safari by either tapping "Listen to Page" in the Aa menu or saying "Siri, read this." Enabled by Neural TTS, it's perfect for getting through your reading list when you're on the go.

**Communication enhancements.**<sup>13</sup> Siri understands the preferred app to message/call your contacts so you no longer have to say "Siri, text Mark on WhatsApp," you can just say "Siri text Mark."

**Expanded bilingual Siri for Indian languages.** Siri for English (India) supports even more types of requests, including setting timers and alarms, launching apps, playing music, and more. It understands requests that mix English with any of nine different Indian languages.

## AirPlay

**Intelligent device list.** Easily find the TV or speaker you want to enjoy your content on; iPad uses on-device intelligence to learn your preferences over time to show devices in the AirPlay list in order of relevance.

**Intelligent suggested device connections.** Quickly connect to your preferred AirPlay device by tapping proactive suggestions shown to you as a notification.

**Intelligent automatic connections.** Start content on your AirPlay device by tapping Play when iPad automatically connects to the most relevant AirPlay-compatible device.

**AirPlay in hotels.**<sup>14</sup> Securely and privately enjoy your content on the big screen in select hotels by simply scanning a unique QR code on the AirPlay-compatible TV in your room.

## AirPods

**Adaptive Audio.**<sup>14</sup> Adaptive Audio is a new AirPods Pro (2nd generation) listening mode that automatically adjusts the level of noise

control for you—adding Active Noise Cancellation in noisier environments and Transparency in quieter conditions—to make it easier and more convenient to use AirPods Pro through the changing environments and interactions every day.

**Personalized Volume.**<sup>14</sup> Adjusts the volume of your media in response to your environment and listening preferences over time.

**Conversation Awareness.**<sup>14</sup> When you start speaking, AirPods Pro will lower your media volume and enhance the voices in front of you, all while reducing background noise.

**Press to Mute and Unmute.**<sup>15</sup> Press the AirPods stem, or the Digital Crown on AirPods Max, once to mute or unmute your microphone when on a call, and you can press twice to end a call.

## Communication Safety

**Sensitive Content Warning.** You have the option to blur photos and videos containing nudity, allowing you to choose whether you want to see them.

**Expanding protections for children.** Children in iCloud families will now be protected in AirDrop, the system Photo picker, the Phone app when sending or receiving a Contact Poster, and in FaceTime video messages. Children will now be protected when sending or choosing to view sensitive videos, in addition to photos.

## Privacy and Security

**Photos privacy prompt improvements.** An embedded photo picker for apps lets you pick photos to share within the app's experience, without sharing your entire library. When an app *does* ask to access your entire library, you'll see details of how many and which photos will be shared before you make a decision. If you grant access, you'll receive reminders from time to time.

**Add-only Calendar permission.** A write-only permission for Calendar gives apps the ability to write new events to your device, without being able to see your information.

**App privacy improvements.** App developers can provide even more accurate Privacy Nutrition Labels using new tools that provide better transparency into the data practices of their partners.

**Link tracking protection.** Some websites add extra information to their URLs in order to track users across other websites. Now, this information will be removed from the links users share in Messages and Mail, and the links will still work as expected. This information will also be removed from links in Safari Private Browsing.

**Lockdown Mode.** Provides new networking defaults, safer media handling and even sandboxing and network security optimizations. Turning on Lockdown Mode further hardens device defenses and strictly limits certain functionalities, sharply reducing the attack surface for those who need it.

**iMessage Contact Key Verification.** Your iMessage communications are always encrypted end-to-end, so they can't be read while they're sent between your devices and those of the people you are messaging. iMessage Contact Key Verification lets you further verify that you are messaging only with the people you intend.

## Accessibility

**Assistive Access.** A cognitive accessibility feature with large text, visual alternatives to text, and focused choices for Phone and FaceTime, Messages, Camera, Photos, and Music.

**Personal Voice.**<sup>16</sup> A speech accessibility tool for people who are at risk of losing their voice to create a voice that sounds like them privately and securely on iPad, and use it with Live Speech in phone and FaceTime calls.

**Live Speech.** Type what you want to say and have it spoken out loud in phone calls, FaceTime calls, or in-person conversations.

**Point and Speak in Magnifier Detection Mode.**<sup>17</sup> Read out only the text you point toward,

for example, when you are punching in an entry code on a keypad.

**Text Detection in Magnifier Detection Mode.** Read out all the text that is visible in the field of view of your camera.

**Voice Control guide.** Learn to use Voice Control using step-by-step tutorials, for example, for text editing and navigation.

**Phonetic corrections for text editing in Voice Control.**<sup>18</sup> Use phonetic corrections to choose the right word out of several that might sound alike, such as "do," "due," and "dew," while editing text using Voice Control.

**Improvement to Siri voices for VoiceOver.** Siri voices sound even better at high rates of speech feedback in VoiceOver.

**Siri speaking rate.** Customize the rate at which Siri speaks to you, with options ranging from 0.8x to 2x.

**Automatically pause animated images.** Pause animated images by default, such as GIFs in Messages and Safari for your visual comfort.

**Settings for Built-in Voices.** Adjust settings such as pitch range for each of your preferred built-in voices for VoiceOver and Spoken Content.

**Virtual game controller with Switch Control.** Turn your favorite set of switches—for example, sound actions or head movements—into a virtual game controller.

**Improvements to eye-tracking experience.** Smoother navigation and keyboard experience for users who pair a third-party eye-tracking accessory to iPad as an alternative to touch and typing.

## AirDrop

**Continue over the internet.** AirDrop transfers will continue over the internet when you step out of range.

## Find My

**Item Sharing.** Up to five other people can share an AirTag or Find My network accessory. Everyone in the sharing group will be able to see the item's location, get directions to the item, and Play Sound to help pinpoint a shared item's location when nearby.

## Maps

**Offline Maps.** Download maps for use when your iPad doesn't have a Wi-Fi or cellular signal. Get routes when driving, cycling, walking, or taking public transit. Even get an estimated time of arrival based on historical traffic. See rich information for places, including hours, ratings, and more.

**EV routing improvements.**<sup>19</sup> Select a preferred charging network when planning a route for your electric vehicle. Apple Maps will show you charger availability on the map and in search



results. Search for chargers based on plug type, network, and more.

## Reminders

**Grocery Lists.** Grocery Lists automatically group related items into sections (dairy, produce, etc.) as you add them. You're able to change how the items are grouped, and the list remembers your preferences.

**Early Reminder.** Specify a time to get notified before your reminder is due.

**Suggested Reminders.** Quickly re-create reminders you've completed before in as little as a single tap.

**Sections.** Organize reminders within a list by creating headers to group related reminders.

**Column View.** Reminders sections can be organized in columns across your screen, making it easy to visualize your tasks, or even plan with simple kanban boards.

**Complete from widget.** Tap on a reminder in the widget to complete it without opening the app.

## Music

**SharePlay.** It's easier for everyone to control music in the car—even passengers in the back seat—so everyone can play their favorite music and contribute to what's playing.

**Collaborate on playlists.**<sup>19</sup> Invite friends to join your playlist and everyone can add, reorder, and remove songs. In Now Playing, you can use emoji to react to the song choices.

**Favorite Songs playlist.** Quickly get back to your favorite songs in this new playlist. Find the Favorite Songs playlist in your Library or just ask Siri.

**Even more to favorite.** Select your favorite songs, albums, playlists, and artists. Your favorite music is automatically added to your Library and improves your recommendations.

**Apple Music Sing with Continuity Camera.**<sup>20</sup> Be your own music video star with Apple Music Sing. Connect your iPad to Apple TV 4K and see yourself on the big screen and apply all-new camera filters, as you sing along to the lyrics of your favorite songs.

**Crossfade between songs.** Now you can experience a smooth, gapless playback experience in Apple Music. Each song fades in while the previous song is fading out, creating a continuous mix of your favorite music.

**Song credits.** Discover the creators behind your favorite songs, with comprehensive information on the artists who contributed to your favorite music, the instruments they played, and their roles inside and out of the studio.

**Motion in Now Playing.** Album art now appears full-screen in the music player, including motion where available, creating an even more immersive playback experience that showcases your favorite artists.Home

**Activity history.**<sup>22</sup> See a recent history for garage doors, door locks, security systems, and contact sensor events directly in the Home app.

**Grid Forecast.**<sup>23</sup> Live data from your local energy grid shows when your home is running on cleaner sources so you can plan when to charge devices or run appliances.

## Photos

**Pets in the People album.** Individual pets are now surfaced in the People album just like friends or family members.

**Siri Suggestions in the People album.** Photos will intelligently suggest matches from Contacts in the People album to help you name individuals faster.

**Add unnamed people.** Unnamed individuals can be viewed in the People album.

**Improved People album accuracy.** The People album recognizes significantly more photos of your favorite people, even if they're turned away from the camera.

**Drag to reorder in a memory.** Reorder photos and videos within a memory by dragging and dropping them into a new position in the timeline.

**Add content to a memory.** Add any photo or video from your library to a memory.

**Smart copy and paste edits.** Copied and pasted edits now intelligently match exposure and white balance between images.

**Quick access to crop.** Zoom in on a photo and instantly crop with a tap, or touch and hold to crop to a specific aspect ratio.

**Improvements to iCloud Photos syncing.** iCloud Photos syncing will be paused less frequently, and when syncing is paused, a Sync Now control will appear.

**Convert file type when sharing.** Choose to convert and share any photo as a JPG, or video as a MOV file.

**Focus Control in portrait photos.** Tap to choose a new focus point in portrait photos captured on iPhone 13 models and later, with iOS 16 or later.

## Apple ID

**Proximity sign-in.** Signing in to set up a device is now easier than ever. Simply bring an existing signed-in and trusted iPhone or iPad into proximity, pair the devices by scanning the particle cloud, and you're signed in automatically.

**Sign in with email or phone number.** When signing in with an Apple ID and password, you no longer need to remember your exact Apple ID

email address. You can use any email address or phone number on file in your account.

**Passkeys for Apple ID on the web.** Use a passkey when signing in with your Apple ID on the web.

# Even More

## Books

**Series page.** Shop for books and audiobooks in a single series page; mark titles you have completed as finished to pick up where you left off in the series.

**Search by series and genre.** Discover series and genre pages via search and navigate directly to these pages to find curated content.

**Personalized Read Now.** Explore personalized top picks and content recommended for you based on your favorite books and genres on the Read Now tab.

## Camera

**Horizon level.** A virtual horizon level provides visual feedback when iPad is level with the ground.

## Clock App

**Multiple timers.** Run several timers on iPad simultaneously, perfect for when you're cooking and need to keep track of different steps and dishes.

**Labeled timers.** Name timers so you know what each is counting down for.

**Timer presets.** Start a timer quickly with a range of preset options when creating a new timer.

**Recents.** Restarting your most used timers is as simple as a tap with a new recents view.

**Live Activities.** Easily glance at all your running timers on the Lock Screen on iPad with Live Activities.

**Digital Clock Widget.** Quickly catch a glimpse of the time on your Home Screen or Lock Screen with the Digital Clock widget.

## Contacts

**Add pronouns.** Contact cards include a field for entering pronouns. Pronouns are stored on device and are not shared.

## Dictionary

**New dictionaries.** System dictionaries now include Bulgarian, Catalan, English-Greek, English-Malay, English-Swedish, Greek, Malay, Polish, Punjabi, and Romanian.

## Dictation

**Improved speech recognition.**<sup>23</sup> Dictation has improved accuracy and supports more

languages on device using an all-new speech recognition model.

**Cursor animation.**<sup>23</sup> The redesigned Dictation cursor animates and glows, improving the look and feel while also indicating that Dictation is active.

## Fitness+<sup>24</sup>

**Custom Plans.** Stay consistent with a custom workout and meditation schedule. Select the days, workout duration and types, trainers, and music, and Fitness+ will provide the plan. Stay motivated with reminders when you have upcoming workouts or meditations and an award when you complete the plan.

**Stacks.** Select multiple workouts and meditations that you would like to do in a row and put them in a queue so that you can seamlessly move to your next activity.

**Audio Focus.** Prioritize the volume of either the music or the trainers' voices so that you hear more of whatever is most important to you.

## Inclusive Language

**New term of address languages.** Term of address now supports German and European Portuguese.

## iCloud+

**Hide My Email in Apple Pay.** iCloud+ subscribers can use Hide My Email to keep their personal email private when making Apple Pay purchases.

## iCloud

**Recommended for You.** iCloud settings include helpful suggestions to get the most out of your iCloud experience. Quickly turn on features or discover new ways to use iCloud.

## Family Sharing

**Passwordless sign-in for kids.** Easily sign kids into a new device without using a password. Bring your iPhone or iPad near the device you'd like to set up for your child and tap on their account to begin. After that, anytime your child is prompted to sign in, they can simply enter their device passcode.

**Improved Screen Time and Parental Controls.** View a summary of your kids' Screen Time details right on their Family Sharing page with one-tap access to all of their Screen Time and parental control settings.

**Apple Cash allowances.** Set up Apple Cash for kids in your family including allowances or recurring payments that are delivered right to their devices. You can view and manage each child's details right from their Family Sharing page.

**Apple Card for your family.** Share your Apple Card with family members, manage payments, and control child account settings and limits. Review and manage everyone's details right from their Family Sharing page.

**Share an iCloud Drive folder.** Provide easy access to family documents, photos, and more when you share an iCloud Drive folder with people in your family group.

**Expanded Family Checklist.** Get the most out of Family Sharing with new recommendations and a reorganized checklist. Quickly turn on features and manage settings for the whole family.

## Keyboard

**Inline predictive text.**<sup>25</sup> Get single and multi-word predictions directly in the text field based on what the keyboard predicts you're going to type, so you can complete what you're typing even faster by just tapping Space bar.

**Improved Autocorrect accuracy.** Autocorrect fixes mistakes for you more accurately than ever before by leveraging a new transformer language model in English, French, and Spanish keyboards.<sup>26</sup> Additionally, enhanced on-device

language models make autocorrect more accurate across even more languages.<sup>27</sup>

**Easier Autocorrect editing.** Autocorrected words are temporarily underlined so you know what has been changed as you're typing. Tapping on an autocorrection shows a pop-up with the original text so you can revert back with just a tap.

**Enhanced sentence corrections.**<sup>25</sup> Autocorrection of sentences can correct more types of grammatical mistakes. The keyboard also underlines corrections and suggestions, so they are easier to see and change if needed.

**Improved predictions.** Predictive text provides even better word predictions by leveraging a new transformer model in Chinese (Simplified), English, French, and Spanish keyboards.<sup>25</sup> Additionally, enhanced on-device language models improve predictions across even more languages.<sup>27</sup>

**Explicit language handling.** The keyboard will add explicit language that you use to your personal vocabulary list and will learn this usage for each different app. Explicit language that is learned is used for autocorrect, QuickPath, suggestions, and predictive text.

**Updated text cursor.** The text cursor briefly displays an indicator that shows the current input language when you switch keyboard languages. The indicator can also signal helpful input details like when Caps Lock is on.

**New QuickPath languages.** QuickPath is supported for Arabic, Hebrew, Korean, Polish, and Romanian keyboards.

**New predictive text languages.** Predictive text is supported for Hebrew, Polish, and Romanian keyboards.

**New multilingual language support.** Multilingual typing is supported for Polish, Romanian, and Turkish keyboards.

**New Scribble languages.** Scribble is supported for Arabic and Vietnamese handwriting.

**New keyboard layouts.** New keyboard layouts are available for Akan, Chuvash, Hausa, Hmong (Pahawh), Ingush, Kabyle, Liangshan Yi, Mandaic, Mi'kmaw, N'Ko, Osage, Rejang, Sámi, Tamazight (Standard Moroccan), Wancho, Wolastoqey, and Yoruba.

**New transliteration keyboard languages.** Kannada, Malayalam, Tamil, and Telugu keyboards include transliteration support, so you can type pronunciations using Latin characters that are automatically converted to the desired script as you type.

**Japanese handwriting keyboard.** The Japanese keyboard supports handwriting, so you can draw characters in the keyboard canvas, which are automatically converted to text.

## Screenshots

**Save screenshot as image.** Choose whether to save a full-page screenshot in Safari, Pages, or Notes as an image or a PDF.

## Stickers

**Stickers.** The new Stickers experience provides you with a single home for all your stickers including Live Stickers, Memoji, Animoji, emoji stickers, and any third-party sticker packs you've downloaded with the ability to share your stickers from the plus button or by touching and holding on a message bubble.

**Sticker drawer.** Easily access all your stickers systemwide from the emoji keyboard in a consolidated sticker drawer that includes Live Stickers, Memoji, emoji stickers, and all your third-party sticker packs.

**Live Stickers.** Tap and hold on any person, animal, or object in photos to lift it away from the background and create a Live Sticker. Create animated Live Stickers from Live Photos, which are automatically added to your sticker drawer.

**Live Stickers effects.** Tap and hold on a Live Sticker to edit with fun effects like Shiny, Puffy, Comic, and Outline. These effects react to the gyroscope when you tilt your iPad in Messages.

**Emoji stickers.** Peel and stick emoji stickers on messages, photos, documents, and more.

**Sticker integration in Markup.** Add stickers to photos, documents, screenshots, and more with Markup.

**Live Stickers color harmonization in Markup.** When you peel and stick a Live Sticker onto a photo in Markup, the color and lighting of the sticker will be automatically harmonized to be consistent with the color and lighting of the background photo.

## Live Text <sup>29</sup>

**Vertical text recognition.** Live Text recognizes vertically oriented Chinese, Japanese, and Korean text.

**Improved handwriting recognition.** Live Text recognizes handwritten text even better.

**New Live Text languages.** Adds support for Live Text in Thai and Vietnamese.

**Table recognition.** Copy and paste the contents of formatted tables.

## Mail

**One-time verification code.** One-time verification codes that are sent to your email will now autofill in the password field so you no longer need to search in your Mail messages, and they are automatically deleted after you use them.

**Edit hyperlink text.** Edit a URL link in your Mail messages so you can format messages more neatly.

**Travel Instant answers in search.** Travel-related messages, like hotel and flight confirmations, will appear at the top of your search results when your travel date is near.

## Memoji

**More stickers.** Three additional stickers come to Memoji: Smirk, Angel Halo, and Peekaboo.

## News

**Apple News+ puzzles.**<sup>30</sup> A daily crossword puzzle and mini crossword puzzle are available exclusively for News+ subscribers.

## Passwords

**Password and passkey sharing.** Share passwords with the people you're closest with. Create a group to share with and add or edit passwords at any time.

**One-time verification code autofill from Mail.** One-time verification codes you receive in Mail now autofill in Safari, making it easy to log in without leaving the browser.

## Podcasts

**Improved playback controls.** Easily access your queue, playback speed, and sleep timer.

**New Up Next design.** Quickly play and follow your favorite shows, now with episode art.

**Connect subscriptions.** Get subscriber-only podcasts from Apple Music, Apple News, and top apps.

**Search filters.** Easily filter search results by shows, episodes, and channels.

## Shortcuts

**Siri improvements.** Siri can understand different phrasings when running App Shortcuts with your voice by leveraging new on-device flexible matching.

**Discover new features.** The new Shortcuts tab makes running shortcuts even easier with ready-made App Shortcuts from Voice Memos, Books, Notes, and third-party apps. Just tap to run, or touch and hold to add to your Home Screen for more convenient access.

**Easier automation.** App Shortcuts can be added alongside other system features with a new automation setup flow. Additional triggers are now supported for Wallet, external displays, and Stage Manager.

**New widgets.** New widget options for Home Screen and Lock Screen make running shortcuts more convenient, including an extra-large option for iPad.

## Stocks

**Business news in widget.** Business news relevant to the tickers you follow is surfaced in the Stocks widget.

## Text Display

**Vertical text support.** Chinese and Japanese text can be displayed vertically in supported apps and components like Contact Posters, Photos Memories, and Calendar widgets.

**Arabic kashida support.** Arabic text can be presented in kashida style for creating a more beautiful and personalized look in supported apps and components like Contact Posters, Photos Memories, and Calendar widgets.

**Text clipping and collision.** Character spacing dynamically adjusts to better accommodate non-Latin scripts with characters that may collide with one another or be vertically clipped.

**Punctuation white space.** Reduced punctuation white space in Chinese and Japanese scripts improves overall readability and design.

**Improved line breaks.** Enhanced line breaking logic results in better readability of rendered text results.

## Translate

**New languages.** Translate, system-wide translation, and Safari web page translation support Ukrainian.

**Streaming text.** See translations in real time as you enter text into the translation card with voice or the keyboard.

**New translation cards.** Translation cards are oriented to make it easier to know what language you are translating to and from.

**Copy translation.** After making a translation, you can tap the new copy button to add the translation to your Clipboard.

**Easier language selection.** Easily switch translation languages with a redesigned language picker.

**Redesigned conversations.** Viewing current translations is easier in the redesigned Conversation view.

**Single settings menu.** Settings are more easily discoverable in a single, consistent menu across tabs.

**Live camera translation.** Translate text in the Camera tab without needing to pause the view. High-quality tracking lets you simply point your

camera at text and see overlaid translations in real time.

**Grammatical gender alternatives.** For gendered languages, view the gender alternatives for people and objects so you can easily adjust translation outputs based on gender (e.g., "doctor/doctora").

## TV

**Home.** Watch Now is now called Home, where you can find all your channels and apps in one row.

**Sidebar.** Navigate left to open the sidebar, where you can now access all your channels and apps.

## Video conferencing

**Home<sup>2</sup>.** Layer screen effects like balloons, confetti, stormy rain, fireworks, or laser beams directly into your camera feed. Trigger them with a tap, or go hands-free and trigger reactions using your gestures alone.

**Studio Light.<sup>2</sup>** Studio Light is available on iPadOS when using the front camera on iPad in a video conferencing app.

**Studio Light intensity.** Control the intensity of Studio Light, further darkening the background and illuminating your face.

**Portrait mode background blur.<sup>33</sup>** Control the amount of background blur, adding more or less blur to the depth-of-field effect.

**External display camera support.<sup>9</sup>** Use the camera built into your external display or any USB camera when connected to iPad.

**External USB microphone support.** Use the microphone built into your external display or any USB camera when connected to iPad.

## Continuity Camera with Apple TV

**FaceTime app on Apple TV 4K.<sup>2</sup>** Connect with family and friends around the world from the comfort of your couch. Launch the FaceTime app on Apple TV to initiate a call or start on iPad and hand off to Apple TV. And Center Stage always keeps you perfectly framed on the call.

**iPhone and iPad support.** Unlock new communications and entertainment experiences on the biggest screen in the home by taking advantage of the front-facing camera on iPad and its microphones.

## Visual Look Up<sup>31</sup>

**Expanded domains.** Discover similar recipes from photos of food, map routes to stores identified in photos, and the meaning of signs and symbols on things like laundry tags.

**Lift multiple subjects from background.** Lift multiple subjects from the background of

photos and videos and place them in apps like Messages.

**Visual Look Up in Video.** Look up information about objects that appear in paused video frames.

**Visual Look Up from subject lift.** Look up information about objects you lift from photos directly from the callout bar.

## Wallet

**Multi-device provisioning.** When adding eligible payment cards to your iPad, you will be able to add the cards to your other Apple Pay-capable devices with one easy step.

**Recurring payments and allowances with Apple Cash.**<sup>1</sup> Set up a payment to repeat weekly, bi-weekly or monthly. Parents can use it to send allowances without needing to be reminded each time.

**Auto reload for Apple Cash.**<sup>1</sup> Automatically top up your balance when it runs low so you always have money for purchases with Apple Cash.

## Weather

**Richer precipitation forecasts.** Prepare for potential precipitation conditions using the chance of precipitation forecast by the hour over the next 10 days.

**Wind overlay in maps.** Conveniently observe wind patterns including direction and speed for the next 24 hours through an animated wind map visualization.

**Historical trends.** Plan your future travels and events using visualizations of seasonal averages of temperature and precipitation conditions.

**Yesterday's weather.** Quickly understand how today's precipitation and temperature conditions compare to those from the day before.

**More specific location names.**<sup>32</sup> See the neighborhood name for which the weather is being forecasted. This feature will be limited to your current location and select cities.

**Intricate details about the moon.** Learn specific details about the moon on a given day including illumination, moonrise and moonset times, countdown to the next full moon, and the geocentric distance of the moon from Earth. An all-new lunar phase calendar describes moon phase transitions.

**Improved support for standard units.** Weather conditions are displayed in standard units based on the region.

**Enhanced visual effects.**<sup>4</sup> Experience delightful depictions of weather conditions through visual effects that reflect the position of the sun and moon, wind direction, and cloud cover, as well as rainy and frosty conditions.

**Precipitation amounts.** Stay on top of precipitation conditions for the next 10 days with rain and snow amounts for a given day and chance of precipitation broken by the hour.

**New widgets.** Choose from widgets for next-hour precipitation, daily forecast, sunrise and sunset times, and current conditions such as Air Quality, Feels Like, and wind speed.

**Wind map snapshot.** Quickly assess windy conditions through a map snapshot of the wind patterns. Conveniently access the animated wind map overlay to prepare for forecasted wind conditions for the next 24 hours.

**Interactive moon calendar.** Easily visualize the phase of the moon on any day for the next month by interacting with the moon calendar.



Features are subject to change. Some features, applications, and services may not be available in all regions or all languages.

<sup>1</sup>Apple Cash services are provided by Green Dot Bank, Member FDIC. Available in the U.S. on eligible devices. <sup>2</sup>Available on iPad Pro 12.9-inch (5th generation and later), iPad Pro 11-inch (3rd generation and later), iPad (10th generation), iPad Air (4th generation and later), and iPad mini (6th generation) when using the Front Camera. <sup>3</sup>Available on iPad Pro 12.9-inch (3rd generation and later), iPad Pro 11-inch (1st generation and later), iPad (8th generation and later), iPad Air (3rd generation and later), and iPad mini (5th generation and later) on Apple TV 4K (2nd generation and later). <sup>4</sup>Available on iPad Pro 12.9-inch (3rd generation and later), iPad Pro 11-inch (1st generation and later), iPad Air (3rd generation and later), iPad mini (5th generation and later), and iPad (8th generation and later). <sup>5</sup>Available on iPad Pro 12.9-inch (3rd generation and later) and iPad Pro 11-inch (1st generation and later). <sup>6</sup>Available on Apple Watch SE (2nd generation), Apple Watch Series 6 and later, and Apple Watch Ultra. <sup>7</sup>Available on iPad Air (5th generation), iPad Pro 12.9-inch (3rd generation and later), and iPad Pro 11-inch (1st generation and later). <sup>8</sup>Available on iPad Pro 12.9-inch (3rd generation or later), iPad Pro 11-inch (1st generation or later), iPad (10th generation), iPad Air (4th generation or later), and iPad mini (6th generation). <sup>9</sup>Available in English (Australia, Canada, UK, U.S.) on iPad and on AirPods Pro (2nd generation). <sup>10</sup>Available in English (Australia, Canada, UK, U.S.) on iPad Pro 12.9-inch (3rd generation and later), iPad Pro 11-inch (1st generation and later), iPad Air (3rd generation and later), iPad mini (5th generation and later), and iPad (8th generation and later). <sup>11</sup>Available in Australia, Brazil (Portuguese), Canada (English), China mainland (Mandarin Chinese), Denmark (Danish), Finland (Finnish), France, Germany, India (English), Ireland, Israel (Hebrew), Italy, Korea, Mexico, Norway (Norwegian), Russia, Saudi Arabia (Arabic), Spain, South Africa (English), Sweden (Swedish), Switzerland (French, German), Taiwan, United Kingdom, and United States (English, Spanish). <sup>12</sup>Available in English (Australia, Canada, India, UK, U.S.), Cantonese (Hong Kong), Mandarin Chinese (China mainland), French (France), German (Germany), Japanese, and Spanish (Mexico, Spain, U.S.) on iPad Pro 12.9-inch (3rd generation and later), iPad Pro 11-inch (1st generation and later), iPad Air (3rd generation and later), iPad mini (5th generation and later), and iPad (8th generation and later). <sup>13</sup>Available on iPad Pro 12.9-inch (2nd generation and later), iPad Pro 10.5-inch, iPad Pro 11-inch (1st generation and later), iPad Air (3rd generation and later), iPad (6th generation and later), iPad mini (5th generation and later), and AirPods Pro (2nd generation) with the latest firmware. <sup>14</sup>Available on iPad Pro 12.9-inch (2nd generation and later), iPad Pro 10.5-inch, iPad Pro 11-inch (1st generation and later), iPad Air (3rd generation and later), iPad (6th generation and later), iPad mini (5th generation and later), and AirPods Pro (2nd generation), AirPods (3rd generation), AirPods Pro (1st and 2nd generation), and AirPods Max with the latest firmware. <sup>15</sup>Available in English. <sup>16</sup>Available on iPad Pro 12.9-inch (4th generation and later) and iPad Pro 11-inch 2nd and later. <sup>17</sup>Available in English, Spanish, French, and German. <sup>18</sup>Electric vehicle routing requires iPhone and a compatible vehicle. <sup>19</sup>Coming in an update in 2024. <sup>20</sup>Available on iPad Pro 12.9-inch (3rd generation and later), iPad Pro 11-inch (1st generation and later), iPad (8th generation and later), iPad Air (3rd generation and later), and iPad mini (5th generation and later) with Apple TV 4K (3rd generation) running the latest operating system software. Apple Music subscription required. <sup>21</sup>Available for homes using the new home architecture and a HomePod or Apple TV running as a home hub. <sup>22</sup>Available in the contiguous United States. <sup>23</sup>Available in Arabic (Saudi Arabia), Cantonese (China mainland, Hong Kong), Danish (Denmark), Dutch (Belgium, Netherlands), English (Australia, Canada, India, Ireland, New Zealand, Singapore, South Africa, UK, U.S.), Finnish (Finland), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Hebrew (Israel), Italian (Italy, Switzerland), Japanese (Japan), Korean (Korea), Malay (Malaysia), Mandarin Chinese (China mainland, Taiwan), Norwegian Bokmål (Norway), Portuguese (Brazil), Russian (Russia), Spanish (Latin America, Mexico, Spain, U.S.), Swedish (Sweden), Thai (Thailand), and Turkish (Türkiye). Requires download of speech models. <sup>24</sup>Available in Australia, Austria, Brazil, Canada, Colombia, France, Germany, Indonesia, Ireland, Italy, Malaysia, Mexico, Portugal, Russia, Saudi Arabia, Spain, Switzerland, UAE, United Kingdom, New Zealand, and United States. <sup>25</sup>Available in English on iPad Pro 12.9-inch (5th generation and later), iPad Pro 11-inch (3rd generation and later), iPad (10th generation), iPad Air (4th generation and later), and iPad mini (6th generation). <sup>26</sup>Available on iPad Pro 12.9-inch (5th generation and later), iPad Pro 11-inch (3rd generation and later), iPad (10th generation), iPad Air (4th generation and later), and iPad mini (6th generation). <sup>27</sup>Available in Arabic, Dutch, German, Hebrew, Korean, Italian, Polish, Portuguese, Romanian and Thai. <sup>28</sup>Available in English on iPad Pro 12.9-inch (5th generation and later), iPad Pro 11-inch (3rd generation and later), iPad (10th generation), iPad Air (4th generation and later), and iPad mini (6th generation). <sup>29</sup>Available to US subscribers. <sup>30</sup>Available on iPad Pro 12.9 (3rd generation and later), iPad Pro 11-inch (1st generation and later), iPad (8th generation and later), iPad Air (3rd generation and later), and iPad mini (5th generation and later) when using the TrueDepth Camera. <sup>31</sup>Available on iPad Pro 12.9 (3rd generation and later), iPad Pro 11-inch (1st generation and later), iPad (8th generation and later), iPad Air (3rd generation and later), or iPad mini (5th generation and later) when using the TrueDepth Camera. <sup>32</sup>Neighborhood names available in San Francisco, Los Angeles, and New York City.

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