

1. Home Screen Improvements <https://bit.ly/3n6JA80>

Resizable Home Screen Widgets

1. widgets are no longer relegated to Today View.
2. add them directly to the Home screen.
3. widgets come in an array of sizes
4. add a Smart Stack of widgets to the iPhone's Home screen.
 - A. widgets that will automatically rotate depending on usage patterns.

App Library – iPhone

1. Groups all installed apps within a single screen.
2. Access it by swiping to the left of the final page Home screen.
3. can even display apps in list form
 - a. swipe down to switch views.
4. remove apps from the Home screen
 - a. without deleting them
 - b. use the App Library to access them.
5. install and add new apps directly to the App Library
 - a. instead of having them show up on the Home screen.

Hide Home Screen Pages - iPhone

1. hide Home screen pages.
 - a. allows for better management of your Home screen
2. Steps to perform. <https://bit.ly/2Ryh5pE>

2. New Additions

Picture-in-Picture Support

1. functionality on your iPhone
 - a. multitask on your iPhone
 - b. drag the tiny Picture-in-Picture pane to either four corners of the screen,
 - c. resize it to three different sizes,
 - d. hide it whenever you want.

- e. works across several native and third-party apps.
- 2. Steps to perform. <https://bit.ly/3fNEVGb>

Translate App

- 1. translation app — simply named Translate.
- 2. support for 11 languages.

Car Key

- 1. iPhone (or your Apple Watch) into a virtual car key.
- 2. unlock the car by tapping the door handle with NFC.
 - a. “Near Field Communication”
- 3. turn on the ignition by placing the iPhone on a reader or wireless charger.
- 4. Steps to Perform. <https://apple.co/2Qzvsch>

3. Major UI Improvements

Compact & Smarter Siri

- 1. now show up a swirling orb to the bottom of the screen
- 2. more facts and answers to queries.
- 3. ask her to record and send audio messages
- 4. share your E.T.A. with others. (Estimated Time of Arrival)

Compact Call Notifications

- 1. no longer display incoming call notifications in full-screen mode.
- 2. show up as banners to the top of the iPhone screen.
 - a. with controls to accept or decline the call.
- 3. applies to:
 - a. cellular calls,
 - b. FaceTime
 - c. and third-party VOIP apps such as Skype, WhatsApp, or Viber.

4. System App Improvements

Messages

- 1. pin up to nine conversation threads to the top of the screen,
- 2. perform inline replies

3. set images or emojis as group photos.
4. Message features. <https://bit.ly/3yl5Stb>

Camera

1. shoot photos 90% faster at up to 4 frames per second.
2. When shooting videos, change the resolution and frame rate right from within the app itself.
3. the ability to shoot QuickTake videos.
4. to perform QuickTake videos using the Volume Down button
5. and Burst photos with the Volume Up button.
6. an improved Night mode capture experience.

Safari

1. improved transparency while surfing the internet
 - a. with the inclusion of a Privacy Report,
 - b. which lets you view blocked trackers over 30 days.
2. monitors saved passwords against data breaches
3. notify you of any compromised login credentials.
4. an integrated translation module
 - a. translates foreign web pages
 - b. without having to resort to using workarounds.
5. Safari Features. <https://bit.ly/3oxjhdb>

5. Core System Enhancements

Set Default Browser and Email Client

1. switch default browsers/email client on the iPhone. <https://bit.ly/3u4JT6g>
2. download the new app from the Apple App Store.

Find My 'Other' Devices

1. no longer restricts you to locating Apple devices only.
2. locate and track devices linked to their iCloud accounts.
3. Steps to perform. <https://apple.co/3oCBINE>

Improved AirPods Functionality

1. ability to automatically switch to the device in use at the moment.

2. displays a notification if the AirPods fall to 10% of the remaining battery,

6. Enhancements to Other Native Apps

Maps

1. effectively plan cycling routes
 - a. due to the inclusion of bike-friendly lanes, paths, and roads.
2. electric vehicles, to calculate the E.T.A. by taking charging stops into account.
3. notifies you of congestion zones in major cities,
 - a. allowing you to plan routes around them.
4. real-time details
 - a. know when approaching speed cameras
 - b. red-light cameras along a route,
 - c. complete with information on where cameras are located.

Shortcuts

1. categorizing shortcuts based on functionality.
 - a. shortcuts that work in the Share Sheet or Apple Watch
 - b. can be filtered out by tapping the relevant smart categories underneath the My Shortcuts tab.
2. new automation trigger types.
 - a. include Email, Sleep, Message, Battery Level, Close App, and Charger.
3. How to: <https://bit.ly/3bHrgiu>

Photos

1. improved filtering and sorting options.
2. Zooming in and out of image thumbnails
 - a. much smoother and immersive.
3. set any photo in an album as its thumbnail
4. new action menu when visiting certain categories and albums.
5. automatically stabilized Live Photos
6. ability to add captions to photos, and Memories
 - a. better selections, music tracks, and transitions.

7. How to: <https://bit.ly/3wpqgtBg>

Reminders

1. a new quick option to add reminders
 - a. without having to dive into a specific list first,
2. smart suggestions for capturing new reminders quickly,
3. the ability to edit multiple reminders at once.
4. can select emojis as list icons
5. improved search capabilities,
6. improved calendar picker much easier to select dates and months.

Music

1. replaces the For You tab with Listen Now
2. provides suggestions by learning/evolving the use of Apple Music.
3. better at generating searches
4. include the ability to invoke Siri during music playback.
5. continues playing matching tracks after the end of a song or playlist,
6. receives haptic feedback whenever you use the playback controls.

Voice Memos

1. smart folders that intelligently categorizes your recordings.
2. create folders to organize recordings manually,
3. mark recordings as 'favorites.'
4. new Enhance Recording feature
 - a. to improve the sound quality of recordings with just a single tap.

Home

1. supports on-device Face Recognition for compatible video doorbells
2. cameras that can identify friends and family.
3. define Activity Zones within any camera's view
 - a. that then notifies you if motion is detected within the area.
4. adaptive Lighting for compatible HomeKit-enabled lights
 - a. adjusts the color temperature automatically throughout the day.
5. expanded controls in the Control Center
 - a. for quick access to accessories and scenes.

New CarPlay Features

1. new app categories such as
 - a. third-party parking,
 - b. EV charging,
 - c. quick food-ordering.
2. improved Siri supports,
 - a. send audio messages
 - b. share ETAs with others.
3. a horizontal start bar to the bottom of the screen
 - a. in cars with a portrait display.
4. existing audio, messaging, and VoIP apps
 - a. utilize improvements to offer a better CarPlay experience.
5. How to: <https://bit.ly/340gnnN>

Files

1. the menu that brings up the Document Scanner and Edit options:
 - a. shows up from the top and not from the bottom.
2. a unified menu that groups together options ranging from:
 - a. creating new folders to changing view modes.

7. General Improvements & Features - <https://bit.ly/3ufrYKt>

Emoji Picker

1. new search interface to find specific emojis.
 - a. enter a commonly used word such as 'heart' or 'smiley face'
 - b. will be presented with relevant emojis to choose from.

Watch YouTube in 4K

1. stream YouTube in full 4K.
2. While playing a video,
 - a. bring up the Quality menu,
 - b. pick the 2160p setting

Jiggle Apps From Anywhere

1. jiggle your apps by long-pressing any vacant area on the screen.

New App Downloads Location

1. choose to add new apps either to the
 - a. Home screen
 - b. or the App Library
 - c. during the installation process itself.

FaceTime Eye Contact

1. FaceTime will automatically adjust the video feed
 - a. to make it seem as if video call participants are looking directly at each other
 - b. instead of at their cameras.

Change Screenshot Opacity

1. the markup screen lets you change the opacity of an image.
 - a. tap on the '+' icon,
 - b. select Opacity,
 - c. use the slider for adjustments.

Sleep Mode

1. set your sleep schedule in the Health app,
 - a. it will automatically turn on 'Do Not Disturb' during that time.

Wind Down

1. it reduces distractions and helps you relax before going to bed.
2. set a time to enable Wind Down before starting Sleep mode.

Notification Badges in App Library

1. by default, the App Library doesn't display notification badges.
2. can enable them by:
 - a. Settings > Home Screen.

Improved Search

1. search for apps, contacts, or websites.
2. the results come back with bigger and bolder fonts for easier reading.
3. Search will pick the closest matching suggestion,
4. launch it directly by tapping 'Go' on the onscreen keyboard.

Up-to-Date Weather Data

1. Weather app and widget keep you up to date on severe weather events.
2. provides a new next-hour precipitation chart
 - a. that shows minute-by-minute precipitation.

Game Center ID in App Store Account

1. displays the Game Center ID in the Account section,
2. quickly check your gaming stats, achievements, friends, and friend suggestions.

New Time and Date Picker

1. in native apps, an updated date, and time picker
2. much easier to use with less scrolling involved.

Back Button History

1. Long-pressing the Back button on any native app
 - a. reveals your history,
 - b. quickly jump back to previous pages.

New Health Features

1. new data types for health records, mobility, symptoms, and ECG,
2. a new Health checklist for health features that matter the most.

Bluetooth Banner Notifications

1. a small banner notification whenever a device connects to the iPhone.

Third-Party Family Sharing

1. allows third-party subscriptions to support Family Sharing.

Updated Color Picker

1. select colors with more precision while annotating screenshots, images, and documents
 - a. with the Spectrum and Slider tabs

Search for Apps in Storage Menu

1. filter apps by name in the iPhone Storage screen.
 - a. Settings > General > iPhone Storage

Stack Widgets on Top of Another

1. have multiple widgets on the Home screen and;
 - a. want to reduce the clutter,
 - b. long-press a widget and drag it over to another one.
 - c. creating stacks of widgets on the home screen.

Create Dumb Stack

1. stop the Smart Stack of widgets from automatically rotating your widgets.
 - a. long-press the Smart Stack,
 - b. tap 'Edit Stack',
 - c. turn off the switch next to Smart Rotate.

Long-press to Hide Alerts

1. In the Messages app,
 - a. a 'Hide Alerts' option to the quick actions menu,
 - b. long-press a pinned or unpinned conversation thread.

Guides in Apple Maps

1. Guides in Maps provide a curated list of places to visit in a city,
 - a. created by a selection of trusted resources.
 - b. a great way to discover hot new restaurants,
 - c. find popular attractions,
 - d. explore new recommendations from respected brands.
 - i. save Guides for offline usage

Rename Bluetooth Devices

1. rename any Bluetooth device connected to your iPhone
 - a. Settings > Bluetooth options.

8. Privacy Features

App Store Transparency

1. a new section labeled App Privacy for all listed apps,
 - a. which reveals the exact forms of data used to track you.
 - b. helps to make decisions as to which apps you should install.
 - c. use the information to take appropriate measures to prevent privacy-invasive apps from tracking you all the time.

Clipboard Notifications

1. notifies you whenever an app reads data from your clipboard.
 - a. vital improvement to user privacy.

Security Recommendations – with Safari

1. password monitoring capabilities,
2. Security Recommendations panel
 - a. Settings > Passwords
3. alerts you of compromised, duplicate, and commonly used passwords.
4. allows upgrading existing login credentials to Sign in with Apple.

Upgrade to Sign in with Apple

1. upgrade existing login credentials to Sign in with Apple.
2. check the Security Recommendations screen and shift to Sign in with Apple for apps or websites that incorporate the feature.

Camera/Microphone Indicators

1. more transparency whenever apps access the camera and microphone of your device
 - a. using colored status indicators.
 - i. a green-colored dot indicates an active camera,
 - ii. a orange-colored dot reflects a live microphone.

- b. view the app using camera/ microphone by bringing up the Control Center.

Local Network Privacy

1. Apps can't connect to or ping other devices
 - a. and track you that way
 - b. within a local network without your permission.
 - c. Unless an app really needs to find and communicate with other devices to function properly
 - d. Settings > Privacy > Location Tracking.

Precision Location Tracking

1. manage apps that make use of aggressive location services.
2. determine between an app having your exact location or an approximate location.
 - a. enable or disable Precision Location for apps.
 - i. Settings > Privacy > Location Services.

Limit Access to Photos

1. Certain third-party apps require permission to your photos library to read or write images.
2. limits potential privacy implications
 - a. by limiting access to select photos or albums, making it much safer to use third-party apps.
 - i. configure photo library permissions;
 1. Settings > Privacy > Photos.

Permission to Track

1. Apps now require explicit permission to start tracking you across apps and websites.
2. You will receive a notification that provides you with the option to allow or restrict any app from tracking you.
 - a. manage permissions:
 - i. Settings > Privacy > Tracking.

Mask MAC Address - media access control address

1. a Wi-Fi security feature that prevents;
 - a. network providers from tracking your iPhone or iPad.
 - b. Enabled by default,
2. the Use Private Address setting within the Wi-Fi settings helps devices throw out randomly generated MAC addresses.
 - a. serves as an anti-tracking measure whenever you connect to different Wi-Fi networks.

9. Accessibility Features

Headphone Accommodations

1. prompt the iPhone to amplify soft sounds for more clarity on any headphone with an H1 chip.

Reduce Loud Sounds

1. will automatically lower the headphone volume over any specified decibel level.
2. If you are sensitive to loud sounds or want to protect your hearing.
3. go to iPhone
 - a. Settings > Sounds & Haptics > Reduce Loud Sounds to activate the feature.

Sign Language Prominence

1. Group FaceTime calls will automatically give more prominence to the tiles of any person using sign language.

Sound Recognition

1. actively listens and notifies you of certain sounds
 - a. fires, sirens, certain animal sounds, or even general household sounds.

2. completely customize the exact sounds that you want to be notified of
 - a. Settings > Accessibility > Sound Recognition
3. add a toggle to the Control Center to switch the feature on or off.

Back Tap Function

1. double-tap or triple-tap the back of the iPhone to access UI elements and functionalities such as;
 - a. Home, the app switcher, Notification Center, Siri,
 - i. Settings > Accessibility > Touch > Back Tap.
2. back tap even works with a case on.