



# Apple Users Group

May 25<sup>th</sup>, 2023  
113<sup>th</sup> Presentation\*



\*Since Jan 2010

# Next Meeting

**Jul 27, 2023**

**Thursday 1:00pm**



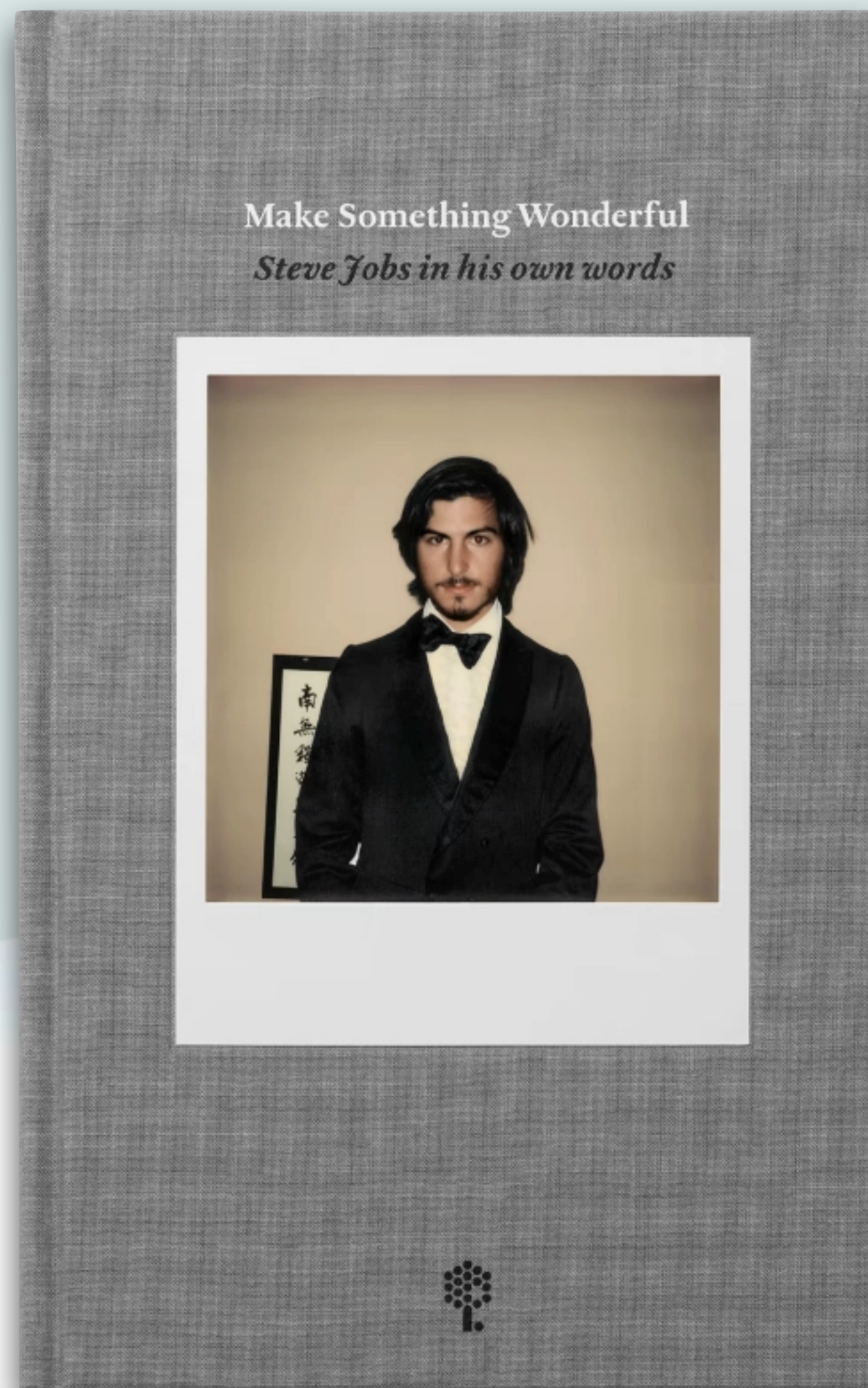
June Cruise





# Apple News!

# New Book about Steve Jobs



- The Steve Jobs Archive released a free e-book titled “Make Something Wonderful”
- It contains Steve Jobs quotes, emails, transcripts, interviews, and more...
- I’m about half way thru it, and it’s interesting to see what he was thinking and his approach to things during significant events at Apple and in his life
- The book is available on the Apple Books app for free

# NYC AirTags



- The Association for a Better New York (ABNY) has donated 500 AirTags so the NYPD can distribute them to car owners to help prevent car theft in the city
- Vehicle theft is up 13% citywide compared to the same period last year, with nearly 4,500 vehicles reported stolen
- NYPD Chief of Patrol John Chell is advising New York citizens to get an AirTag, and call 911 as fast as possible if a car is stolen
- The NYPD has citywide apparatus that can be used to track and recover cars that have an AirTag

# Apple Savings

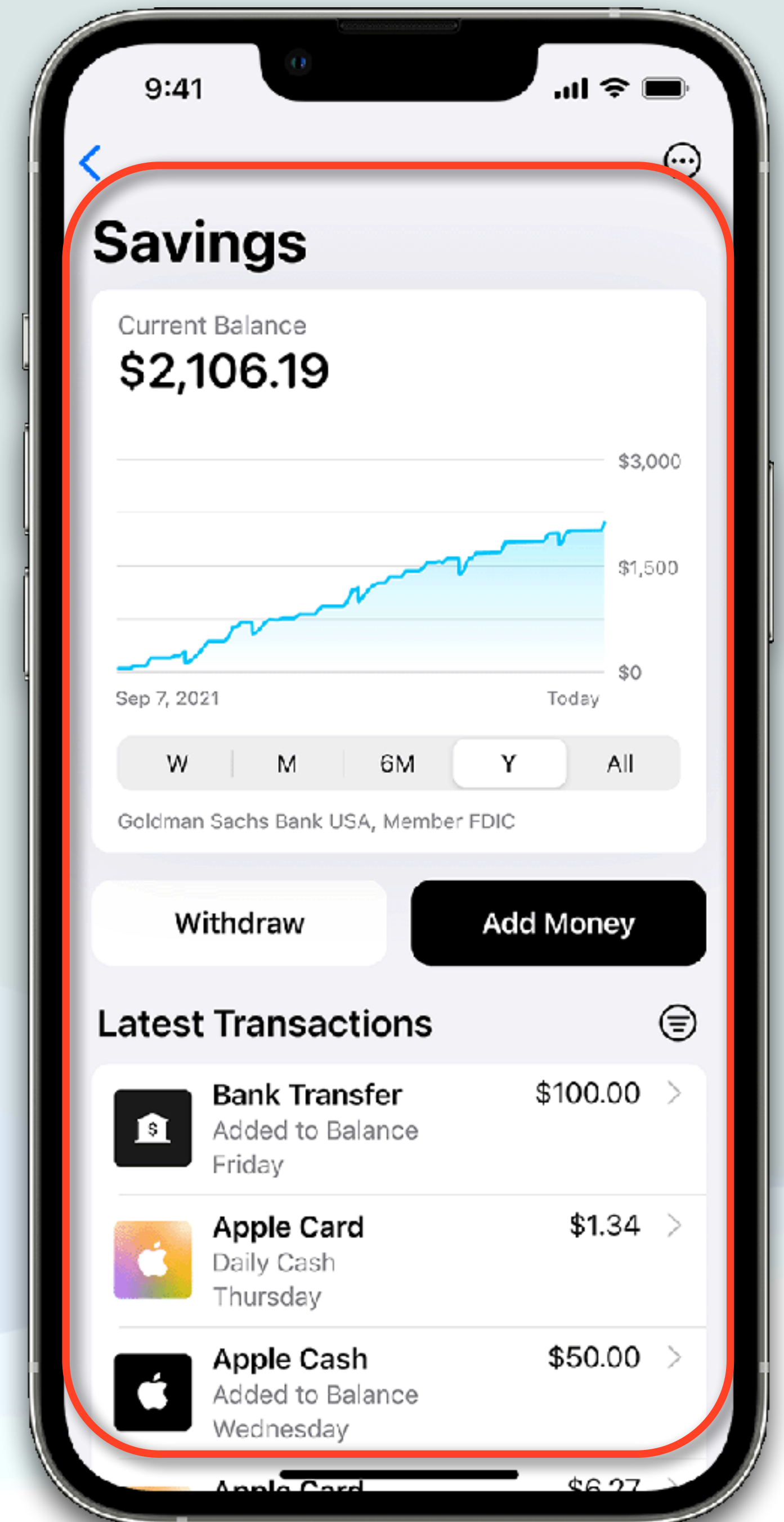
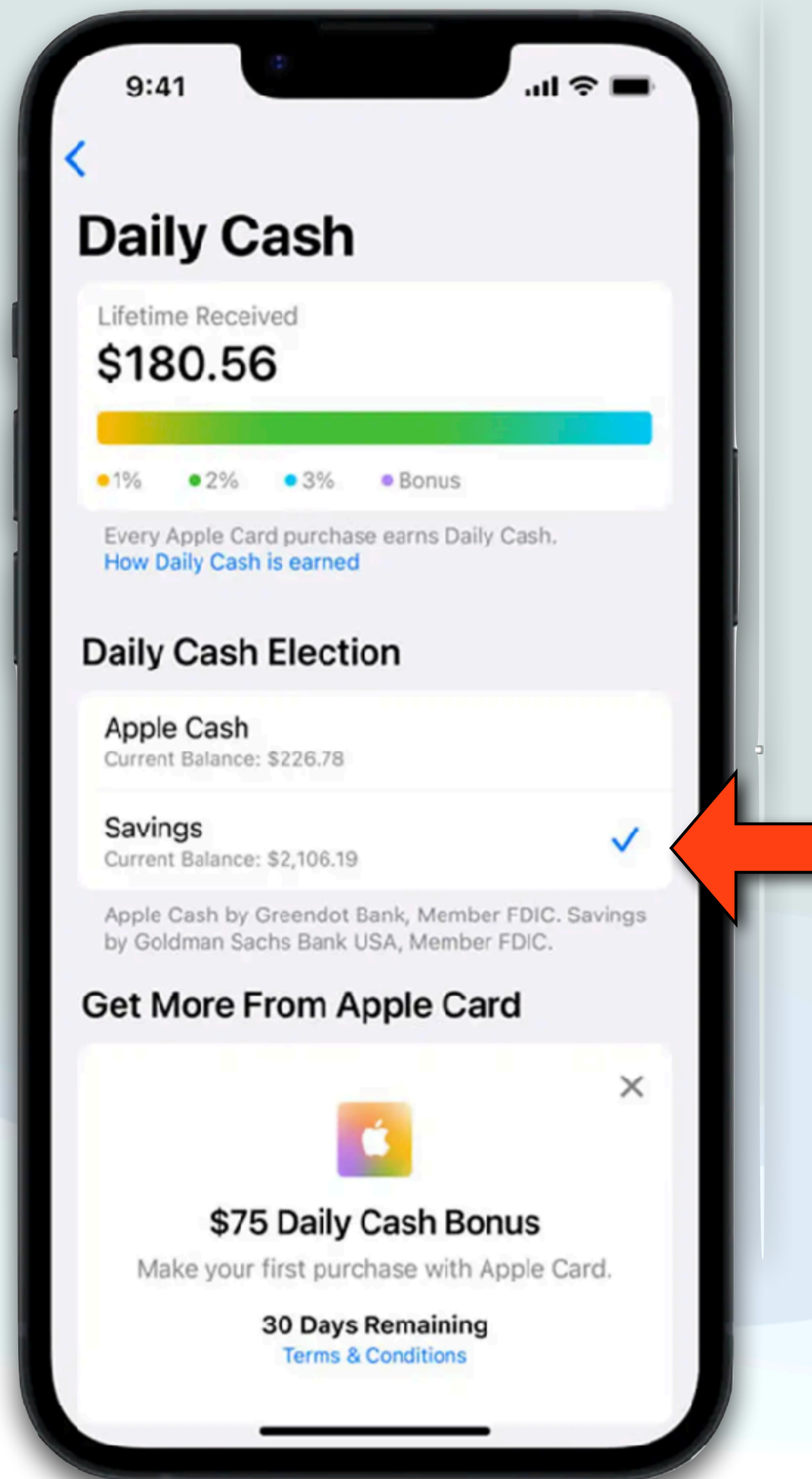
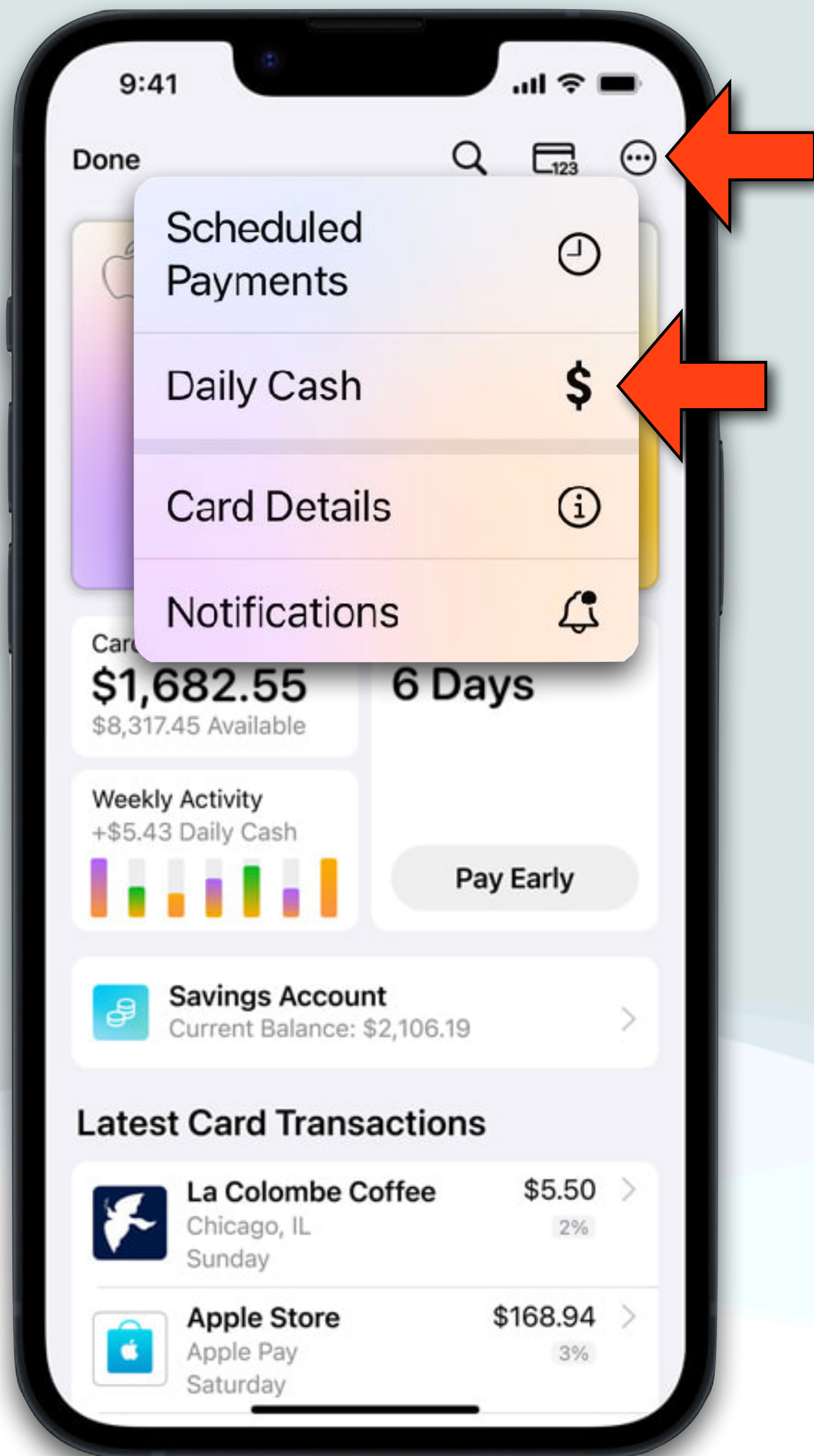


- Apple launched a new offering called Apple Savings available to Apple Card users
- Apple Saving allows you to send your Daily Cash rewards into a new 4.15% high-yield savings account
- The savings account has no fees, no minimum deposits, and no minimum balance requirements
- Apple Savings has a Savings dashboard in the Wallet app where you can track your account balance and interest earned

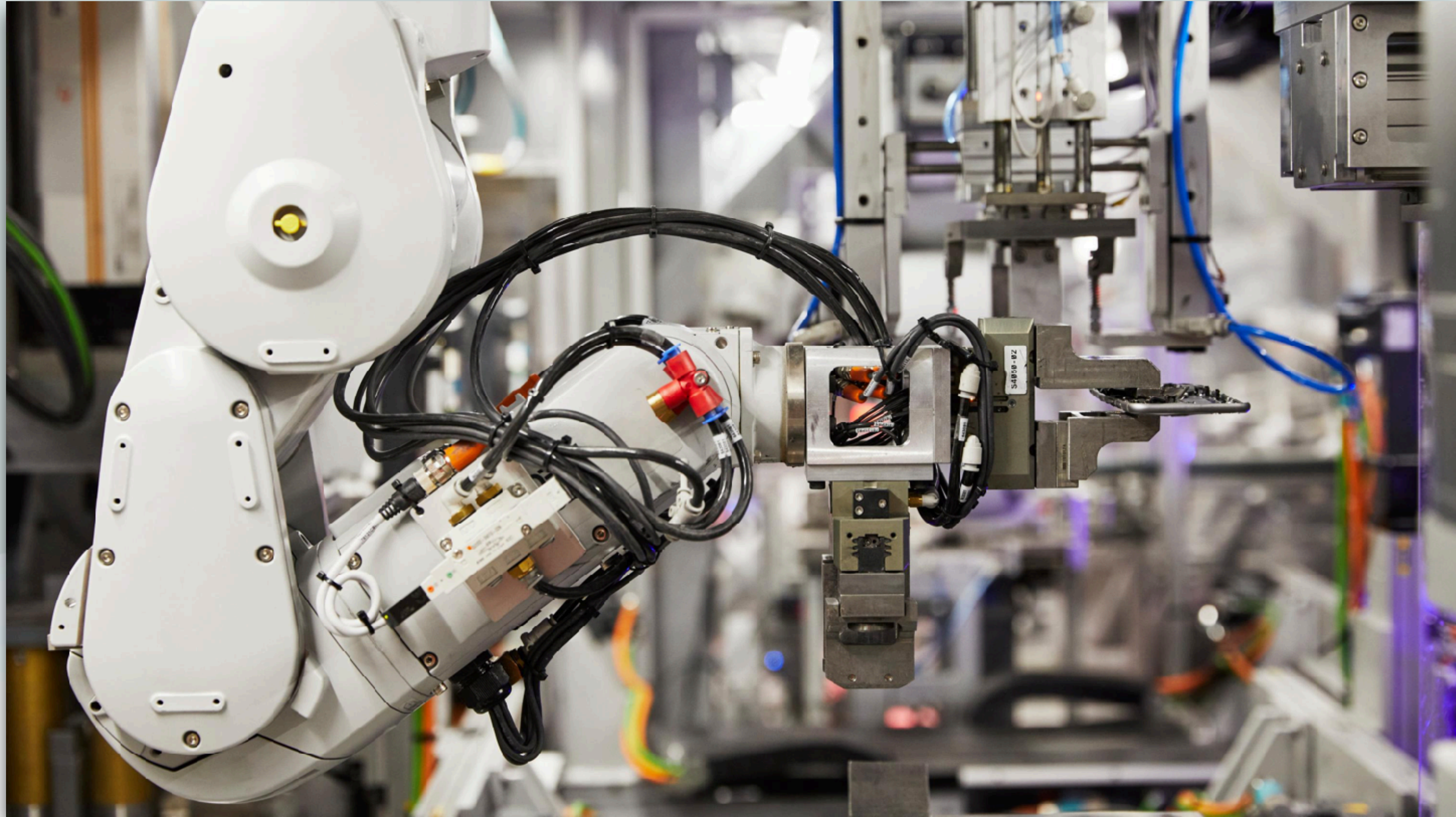
# Apple Savings



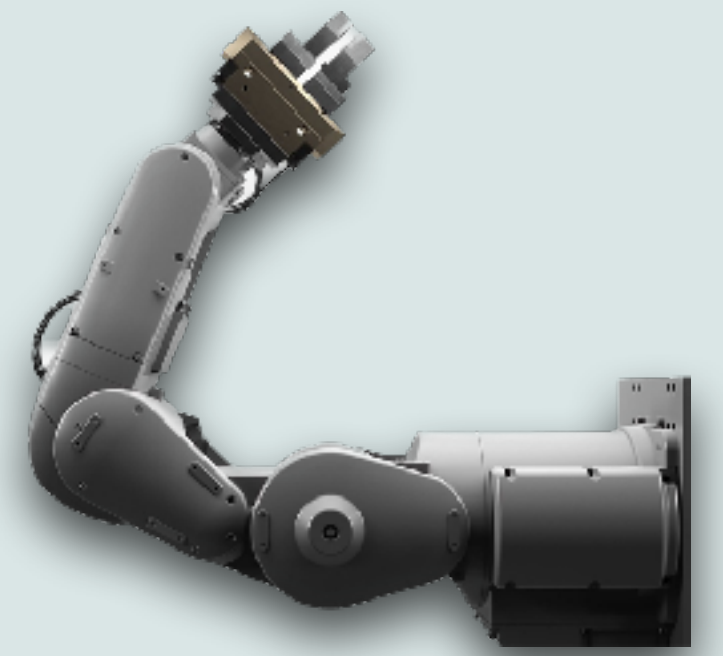
- You can deposit additional funds into the Apple Savings account through a linked bank account, or from your Apple Cash balance
- You can switch off the automatic payment into your Apple Savings account at any time
- To set up an account, go to the Wallet app and select your Apple Card and tap the more symbol in the upper right hand corner (⋮)
- Then select “Daily Cash” and select savings in the “Daily Cash Election” section to set up the new account



# Daisy the Robot

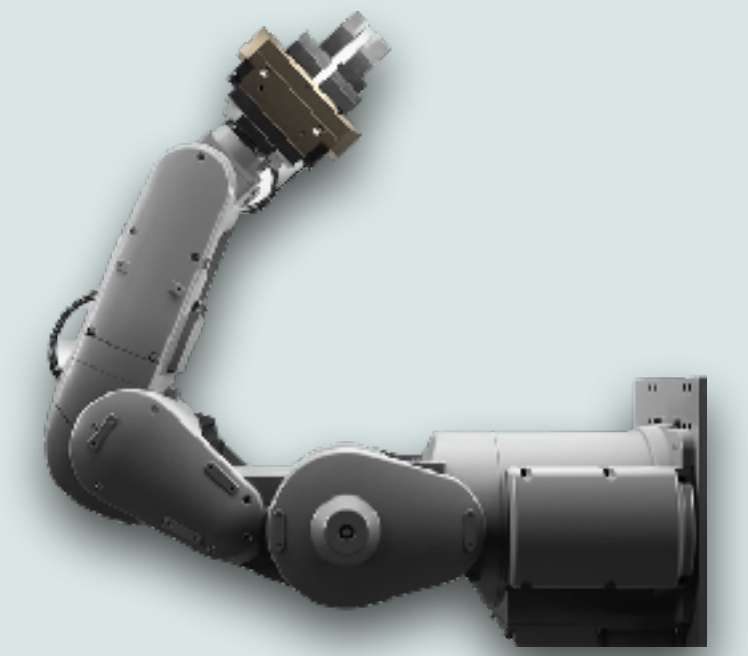


# Daisy the Robot

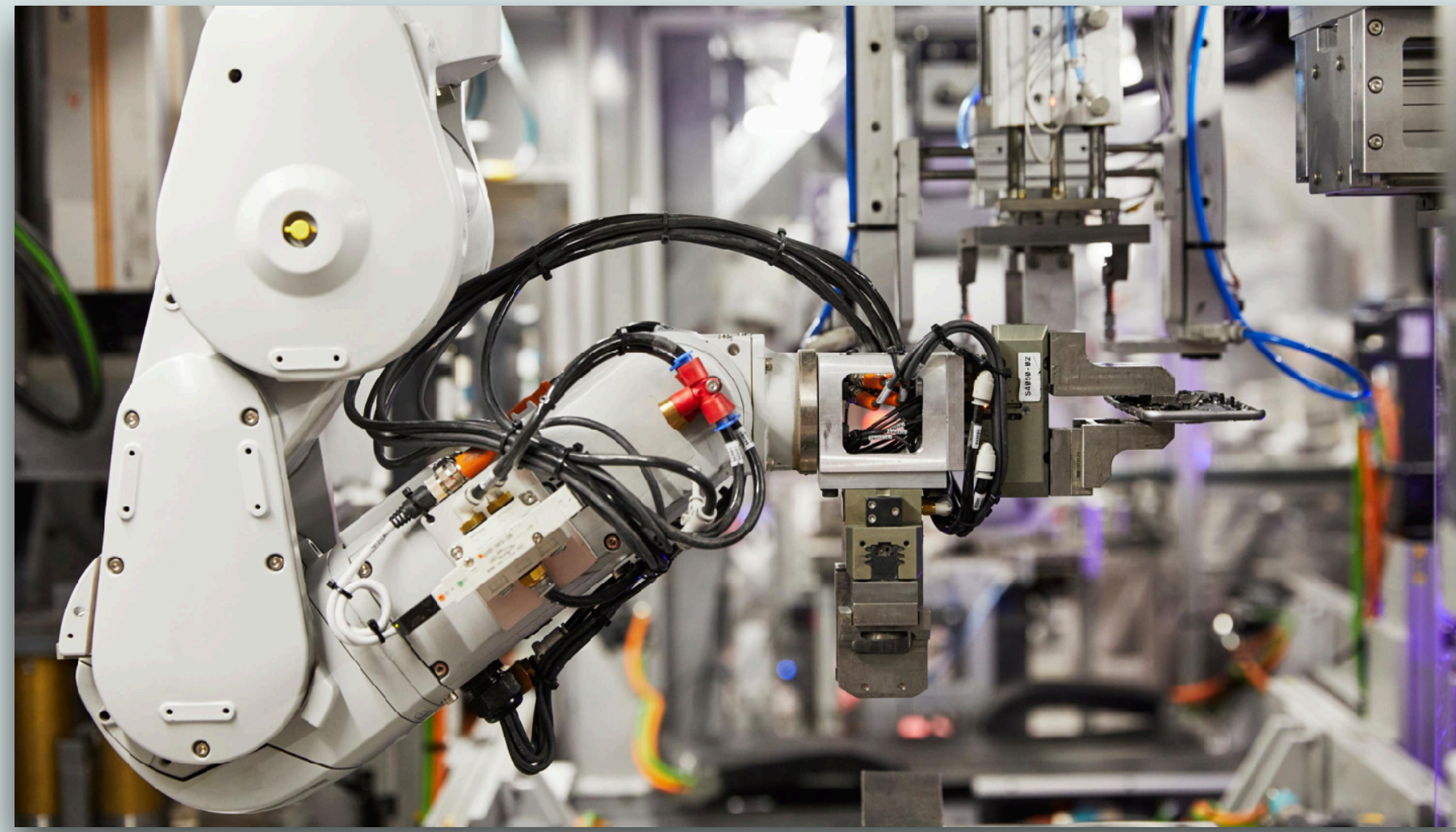


- Daisy is a disassembly robot created by Apple to recover various components of an iPhone in order to recycle them
- It is capable of recognizing and managing the disassembly of 15 different iPhone models
- There are two Daisy robots, one in Austin, Texas and one in the Netherlands
- Each can process up to 200 smartphones per hour, or more than a million per year

# Daisy the Robot



- Daisy consists of different articulated arms, each dedicated to a step in the disassembly
- Everything takes place on a mini disassembly line inside a glassed-in area
- An iPhone is completely dismantled every 18 seconds
- The result is a series of large bins where screens, batteries, front and rear cameras, connectors, etc. are collected separately
- They then get sent to different partners around the world for recycling



# Daisy the Robot



<https://www.youtube.com/watch?v=xQqSK6NUXtQ>



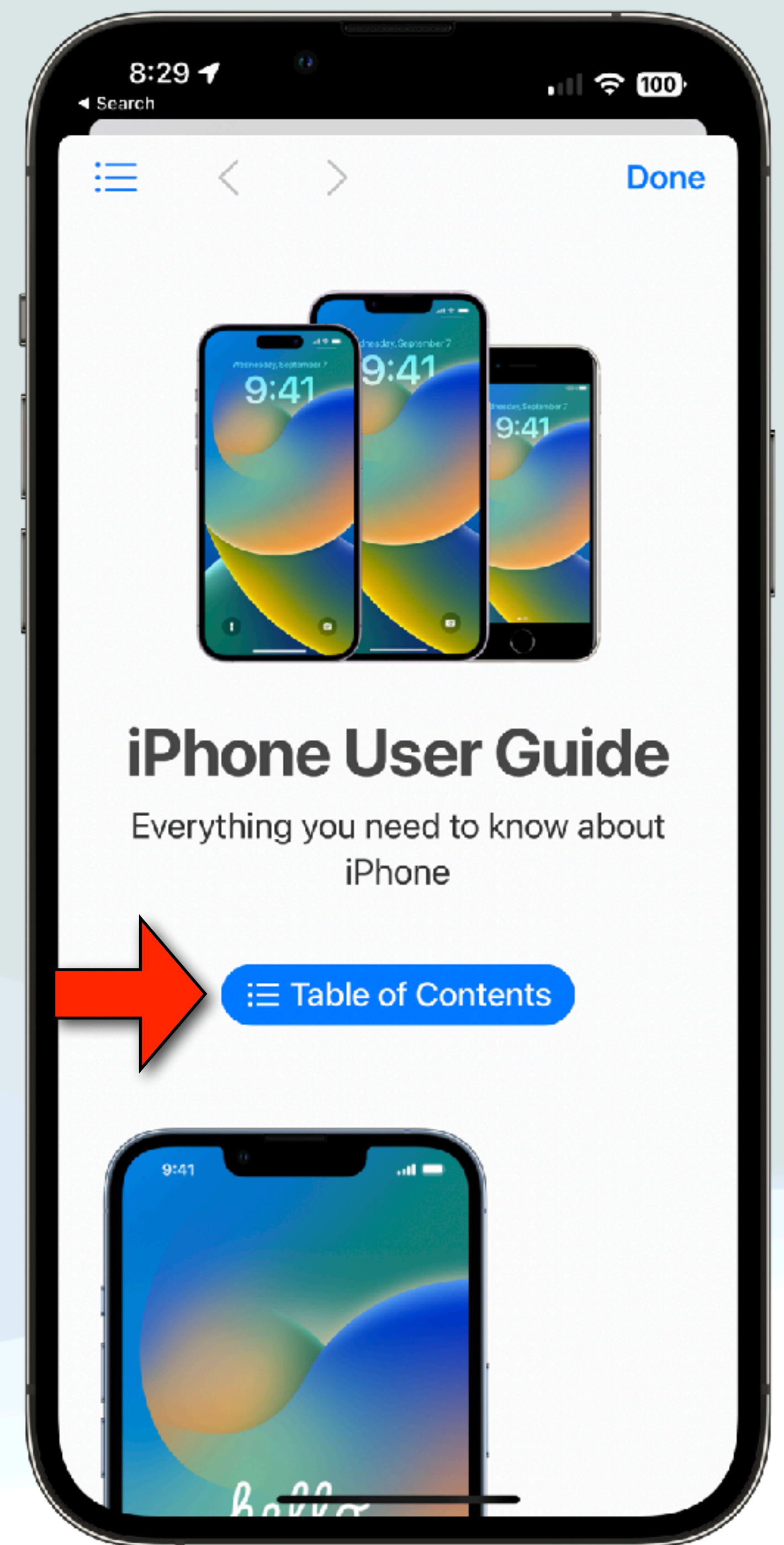
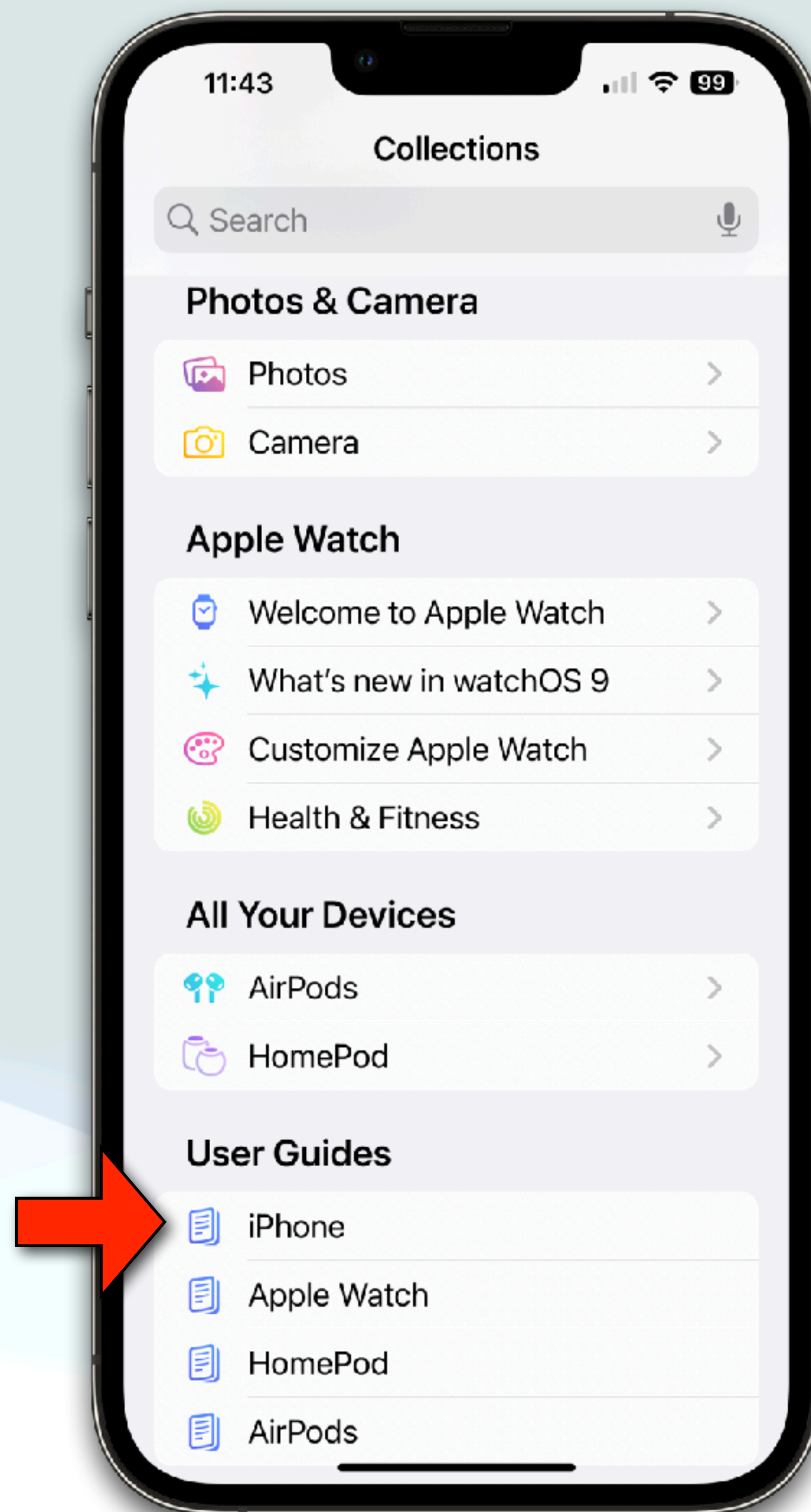
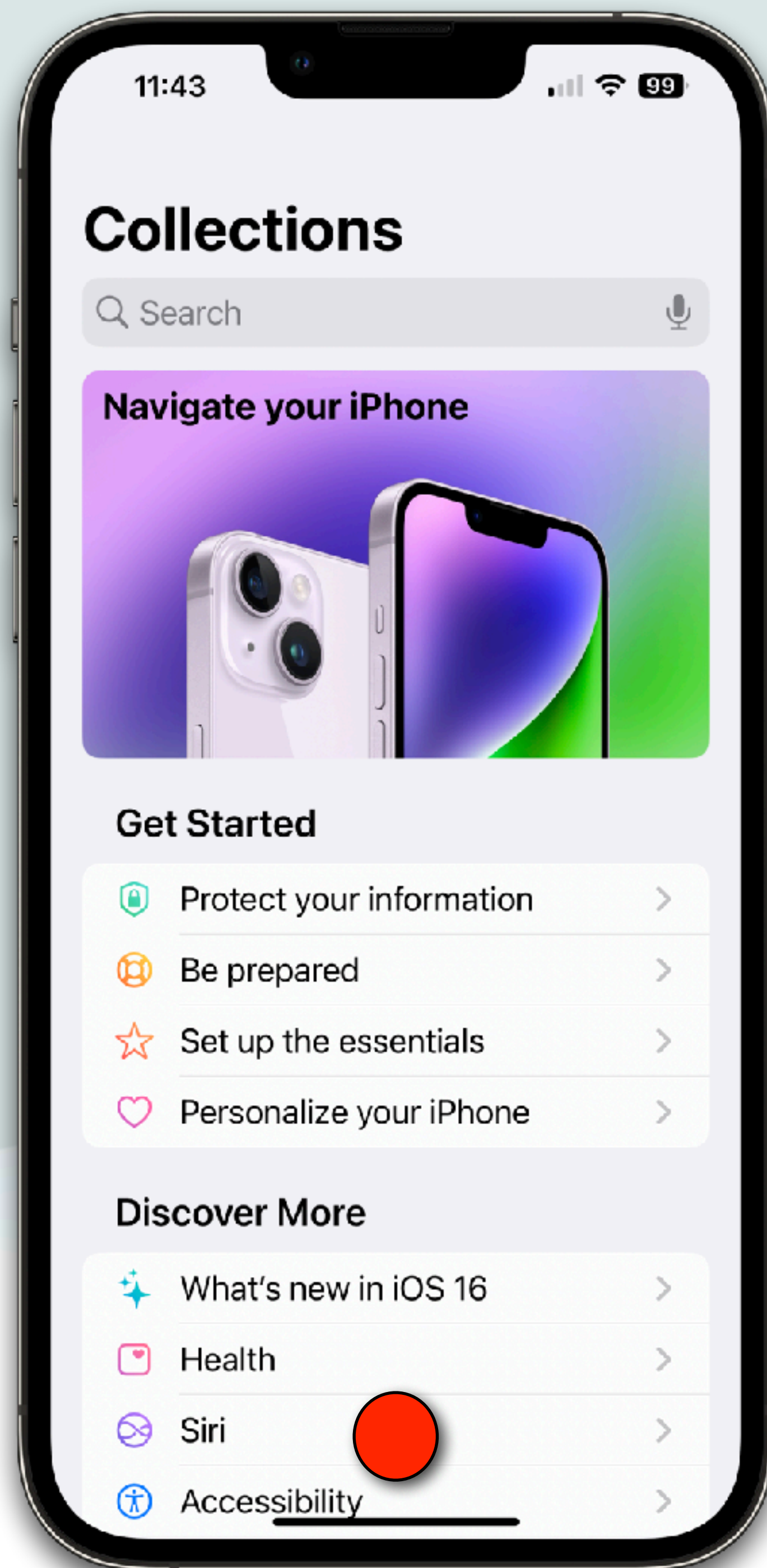
# Apple Resources



# Apple Resources



- This section will identify places you can go to find resources to help you learn about Apple Products?
- To start, each iOS device has a Tips app (including the 🍏 Watch)
- Each Tip is very short containing useful information and doesn't take much time to view
- It is organized by collections, and even has useful tips on the latest OS
- It also includes up to date User Guides that you can use to dig further into topics (User Guides also available in Apple Books app)



# Apple Resources



- Another one of my favorite resources is MacMost.com
- This site features more than 1,000 Apple video tutorials, produced and hosted by Gary Rosenzweig
- I've utilized this site many many times in my talks, and I view everything he puts out (several/week)
- And, while the website that is mostly about Macs, it does contain a lot of iOS videos as well
- Particularly useful for beginners is the Mac Basics section: <https://macmost.com/mac-basics>

macmost

Mac Video Tutorials and Tips for Apple Users

Video Tutorials

Video Shorts

Newsletter

Q&A Forum

ClipTools

Online Courses

YouTube Channel

ABOUT SMART FOLDERS



Understanding Smart Folders, Albums, Mailboxes and Playlists

When using smart folders or albums it is important to realize what they are. Items are not "in" a smart folder or album. They are simply the results of a search. The items remain where they were. You can't delete items from a smart folder or album because that wouldn't make sense.

5/18/23

MAC FONT BOOK



Using Font Book on Your Mac

5/17/23

CLIPPING MASKS



Clipping Masks in Pixelmator Pro

5/15/23

PREVIEWING IMAGES



7 Ways To Quickly Preview Image Files On Your Mac

5/11/23

MAC FINDER GROUPING



Viewing by Groups in the Mac Finder

5/9/23

MAC EASTER EGGS



Hidden Mac Easter Eggs (2023)

5/5/23

FILE VERSION HISTORY



Accessing Document History on Your Mac

5/3/23

PAGES LETTERHEAD



Techniques for Creating Letterhead Templates in Mac Pages

5/1/23

BEFORE DOWNLOADING APPS



7 Things You Should Do Before Downloading App From Outside of App Store

GOOGLE LIGHTS WITH SIRI



Controlling Google Lights and Switches With Siri on Your iPhone

5/18/23

10 REASONS TO USE PHOTOS



10 Things You Are Missing Out On If You are Not Using the Photos App

5/12/23

ONLINE PAYMENT SCAMS



Look Out For These Online Payment System Scams

5/10/23

COLUMN REFERENCES



Understanding Numbers Column References

5/8/23

DESKTOP FILE ACCESS



Different Ways To Access Files On Your Mac Desktop

5/4/23

CHAT AI TECH HELP



How To Use ChatGPT and Bard To Get Tech Help

5/2/23

CONNECTION LINES



Creating Connection Lines in Keynote and Freeform

4/28/23

KEYBOARD NAVIGATION



Using the Keyboard Navigation Option On Your Mac

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MacMost Sections

Mac Basics

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Mac Video Tutorials and Tips for Apple Users

Video Tutorials

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Mac Basics

Are you new to the Mac? MacMost has more than 2,800 free Mac tutorials that can help you get up to speed quickly. Here is a collection of videos hand-picked to help those who are using a Mac for the first time.

Getting Started

First, get a tour of the Mac keyboard. Then, learn about the many different ways to launch apps on your Mac. Your Mac also comes with a large collection of apps pre-installed which can handle most basic computer tasks. One of the key techniques you should know about right away is how to bring up context menus, and there are also a few other key things you should master.

A Tour of the Mac Keyboard

How to Launch Apps

Every Included Mac App In About 3 Minutes

How to Right Click On Your Mac

The 4 Mac Techniques You Need to Master

Working With Files, Folders and Documents

The Finder is the environment you use to view your files and folders. Learn how to organize files on your Mac. Learning how to use the Finder is key to getting around.

How To Organize the Files On Your Mac

How To Rename Files

Using the Finder's Four Views

Selecting Multiple Items On a Mac

Rename And Move Files While Working On Them On Your Mac

Reverting To A Previous Version Of A Document On A Mac

Safety and Security

No matter which computer or devices you use, you should always keep security in mind. On a Mac it is easy to set strong, unique passwords for each website and service you use. If someone else needs to use your Mac, they should have their own account.

As for malware, Apple has you covered with built-in anti-virus. MacMost has a free course.

Using Strong Passwords With Safari

The Best Mac Anti-Virus Software

Do You Need Anti-Virus?

The Practical Guide to Mac Security (Free Course)

Using Safari

The Mac's default web browser is Safari. It is fast, energy-efficient and good with security and privacy. Learn how to go to sites and perform searches. When reading articles, use the reader view. Learn other key Safari web-browsing tips.

Understanding the Browser Address Bar

Learn How To Use Reader View To Read Articles Online

Using Bookmarks In Safari

Mute Tabs In Safari

Safari Web Surfing Tips

Mac Basics Video Tutorials

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Type To Siri

Silence Unknown Callers

Sunset Reminder Automation

Send Message Shortcut

All MacMost Shorts...

MacMost Online Courses



macOS Ventura

Mac Shortcuts

Mac Pages

Mac Numbers

Mac Keynote

Mac iMovie

Mac Photos

Final Cut Pro

Automator

Keyboard Shortcuts PDF





MacMost.com

18

MacMost - Mac Basics

# Apple Resources



- Another resource valuable to beginners and experts alike is Apple's YouTube Support Page <https://www.youtube.com/@applesupport/playlists>
- In the playlist section, you can find short videos organized by devices (Mac, iPhone, iPad, iCloud, etc...)
- Click on "View full playlist" and look for topics of interest
- Just searching YouTube is another extremely valuable resource
- There are thousands of videos on Apple devices, Apple Software, and videos on almost any topic you can imagine



Apple Support ✓

@applesupport 1.49M subscribers 26 videos

Tips and how-tos—straight from Apple. >

🔔 Subscribed ▾

HOME

VIDEOS

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PLAYLISTS

COMMUNITY

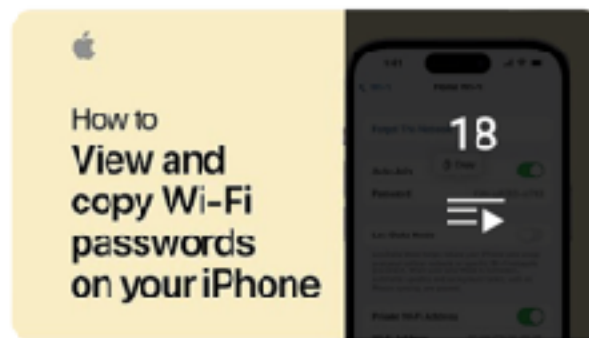
CHANNELS

ABOUT



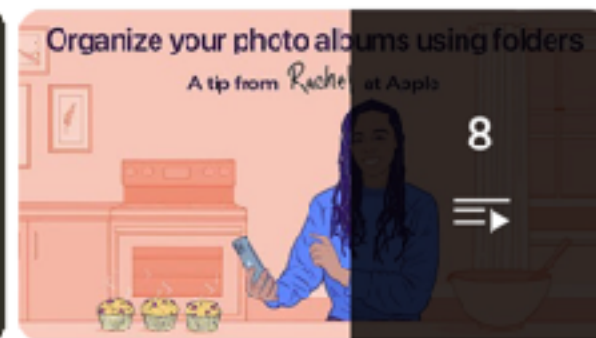
Created playlists

≡ Sort by



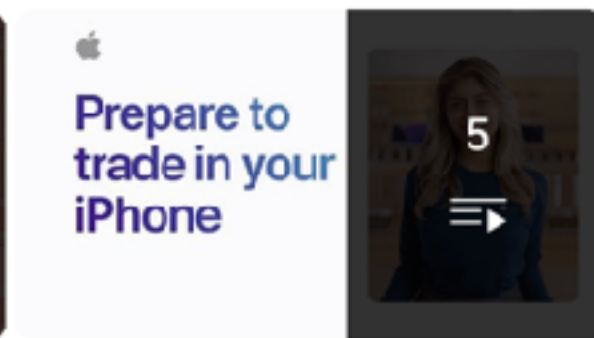
Get to know iOS 16, iPadOS 16, watchOS 9, and macOS Ventura

[View full playlist](#)



Tips from people at Apple

[View full playlist](#)



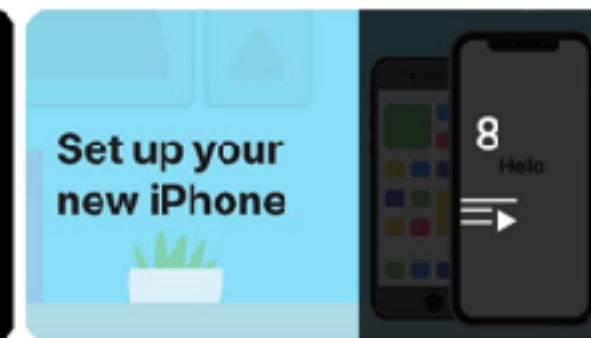
Get ready to trade in your iPhone

[View full playlist](#)



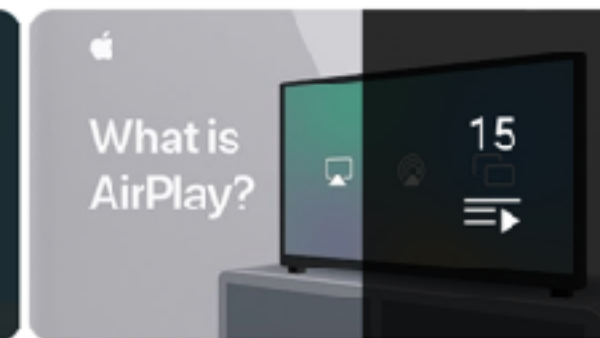
AirPods

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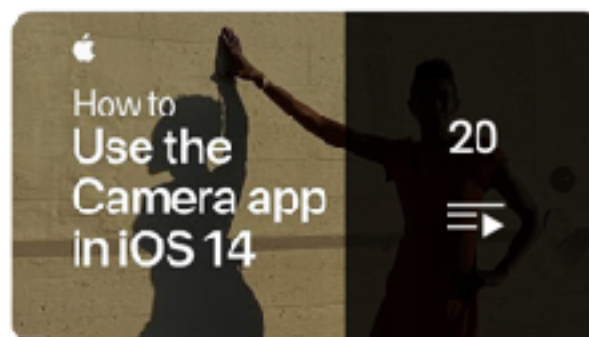
Set up a new iPhone

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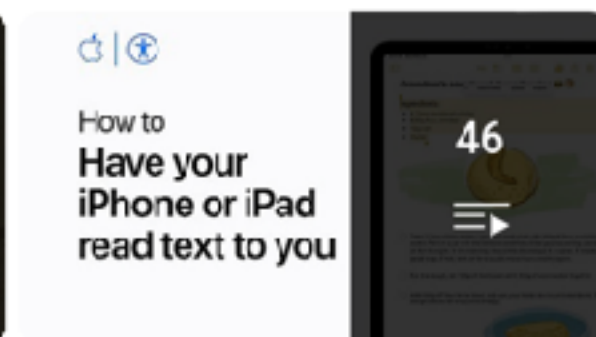
At-home essentials

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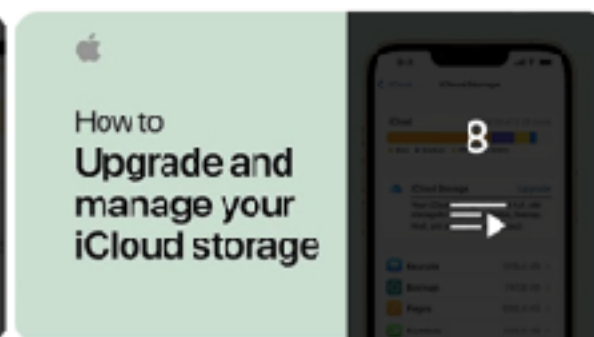
Take great photos on iPhone

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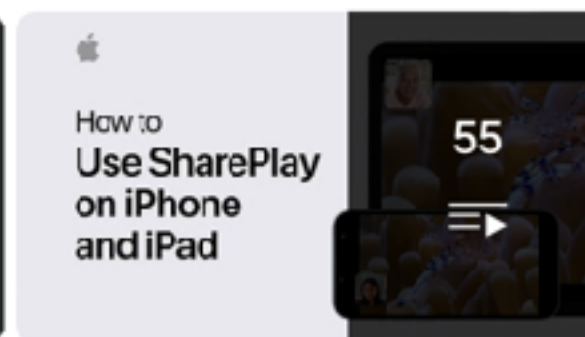
Apple Accessibility

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iCloud

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iPad

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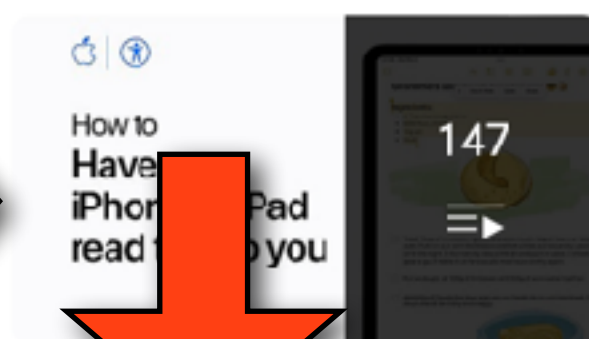
Apple Watch

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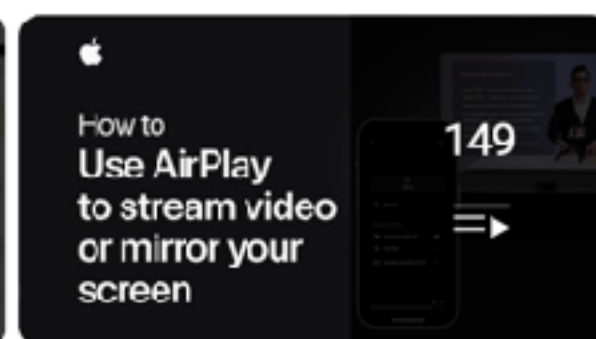
Mac

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iPhone

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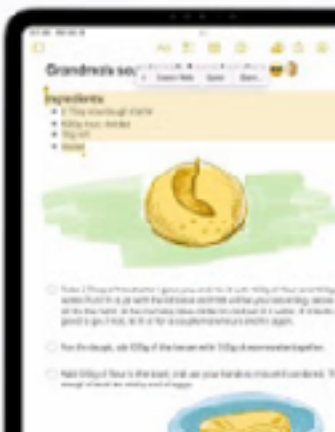


Tips and How-Tos

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
# How to Have your iPhone or iPad read text to you





## iPhone

Apple Support

147 videos · 1,440,460 views · Last updated on May 5,...

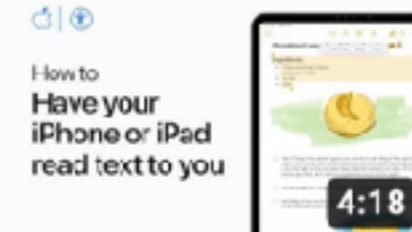


 Play all

 Shuffle

From customizing Control Center and managing notifications, to sharing GIFs and creating Memoji, here's how to use your iPhone to the fullest.

1

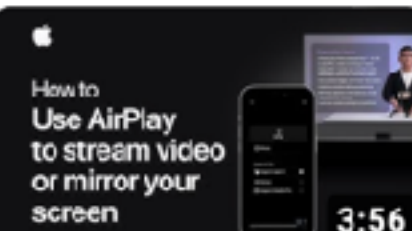


How to Have your iPhone or iPad read text to you

Apple Support · 23K views · 12 days ago

4:18

2

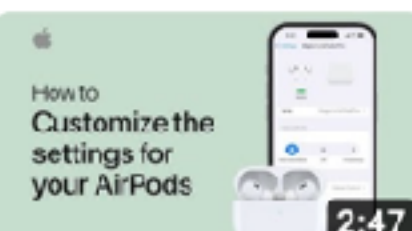


How to Use AirPlay to stream video or mirror your screen

Apple Support · 43K views · 2 weeks ago

3:56

3




How to Customize the settings for your AirPods

Apple Support · 57K views · 3 weeks ago

2:47

4

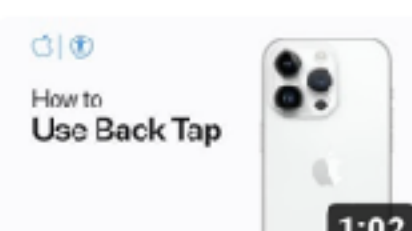


3 helpful tips for Mail on your iPhone

Apple Support · 68K views · 1 month ago

1:37

5

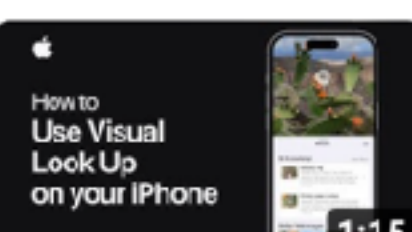


How to Use Back Tap

Apple Support · 232K views · 1 month ago

1:02

6

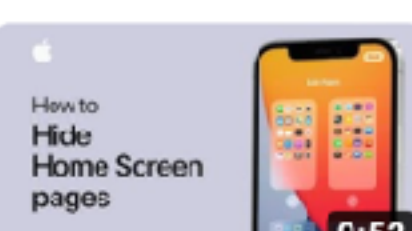


How to Use Visual Look Up on your iPhone

Apple Support · 91K views · 3 months ago

1:15

7

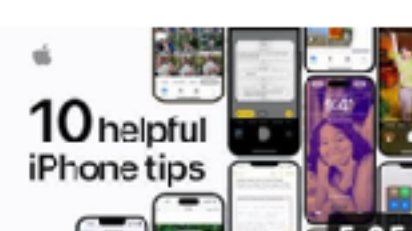


How to Hide Home Screen pages

Apple Support · 212K views · 1 year ago

0:52

8

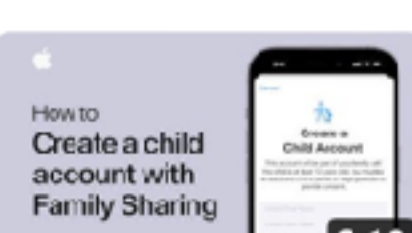


10 helpful iPhone tips

Apple Support · 549K views · 4 months ago

5:25

9

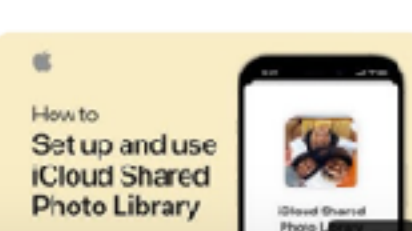


How to Create a child account with Family Sharing

Apple Support · 86K views · 4 months ago

2:13

10



How to Set up and use iCloud Shared Photo Library

Apple Support · 62K views · 5 months ago

4:25

YouTube

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Library

History

Your videos

Watch later

Liked videos

Show more

Subscriptions

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Acoustic Guitar ...

Acoustic Letter

alyankovic

Apple

Apple Explained

Apple Support

Apple TV

Show 98 more

Explore

Trending

ios 16.5

ios 16.5  
What's New?

11:49

ios 16.5 is Out! - What's New?  
115K views • 21 hours ago  
zollotech  
iOS 16.5 Released and iOS 16.5 is out to all iPhones. iOS 16.5 brings new features, updates and changes. In this video we show ...  
New 4K  
Everything New | Supported Devices | What's New? | If you are a beta tester | New Music Features... 18 chapters

12:19

SOS

PAUSED  
Yungan (feat. Ja...  
Rod Wave

Music

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Settings

16.5

11:21

ios 16.5 Released - What's New?  
176K views • 21 hours ago  
Brandon Butch  
iOS 16.5 Released - What's New? | iOS 16.5 Features, Changes & Bug Fixes Apple just released iOS 16.5 and even though we ...  
New 4K  
Everything Released | What's New in iOS 16.5? | New Wallpaper (with SICK Animation) | A Couple... 14 chapters

1:53

General

About

Name iPhone 14 pro max

iOS Version 16

Model Name iPhone14,2

Model Number M2P000

Carrier Settings Update  
New settings are available. Would you like to update them now?  
Not now Update

Design 45

Videos 45

Photos 831

Applications 121

Privacy 118

16.5

DO THIS

7:32

ios 16.5 is OUT - Do This After Updating!  
37K views • 20 hours ago  
iDeviceHelp  
iOS 16.5 Final Version Released here are a few things you should do right after you update. Today, Apple released iOS 16.5 ...  
New

2:14

16.5  
Released

16

ai

3:14

ios 16.5 is HERE! Everything NEW in the Latest Update for iPhone!  
20K views • 21 hours ago  
AppleInsider  
iOS 16.5 has been released by Apple for iPhone, alongside iPadOS 16.5, tvOS 16.5, HomePod update 16.5, macOS Ventura 13.4 ...  
New 4K  
Intro | New Pride Lock Screen | My Sports tab in Apple News | Missing Features? | Other Features 5 chapters

# Apple Resources



- Don't forget the local Christiana Apple Store
- They have many knowledgeable people (including the genius bar) that can answer questions and provide help
- They also have a lot of free classes in the store every day covering various Apple Topics ("Today at Apple")
- These are generally very high quality tutorials and a great place to go to get started on a device
- Go to <https://www.apple.com/today/calendar/christianamall/?sn=R102> to see current offerings

Apple

Store

Mac

iPad

iPhone

Watch

AirPods

TV & Home

Entertainment

Accessories

Support

Today at Apple

DiscoverCalendarGroupsMy Reservations

16

17

18

19

20

21

22

23

24

25

26

27

28


29

In Store, Products, Skills, Anytime

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Today

Apple Christiana Mall



Skills: Getting Started with iPhone

Details

3:00 p.m. – 4:00 p.m.

Apple Christiana Mall

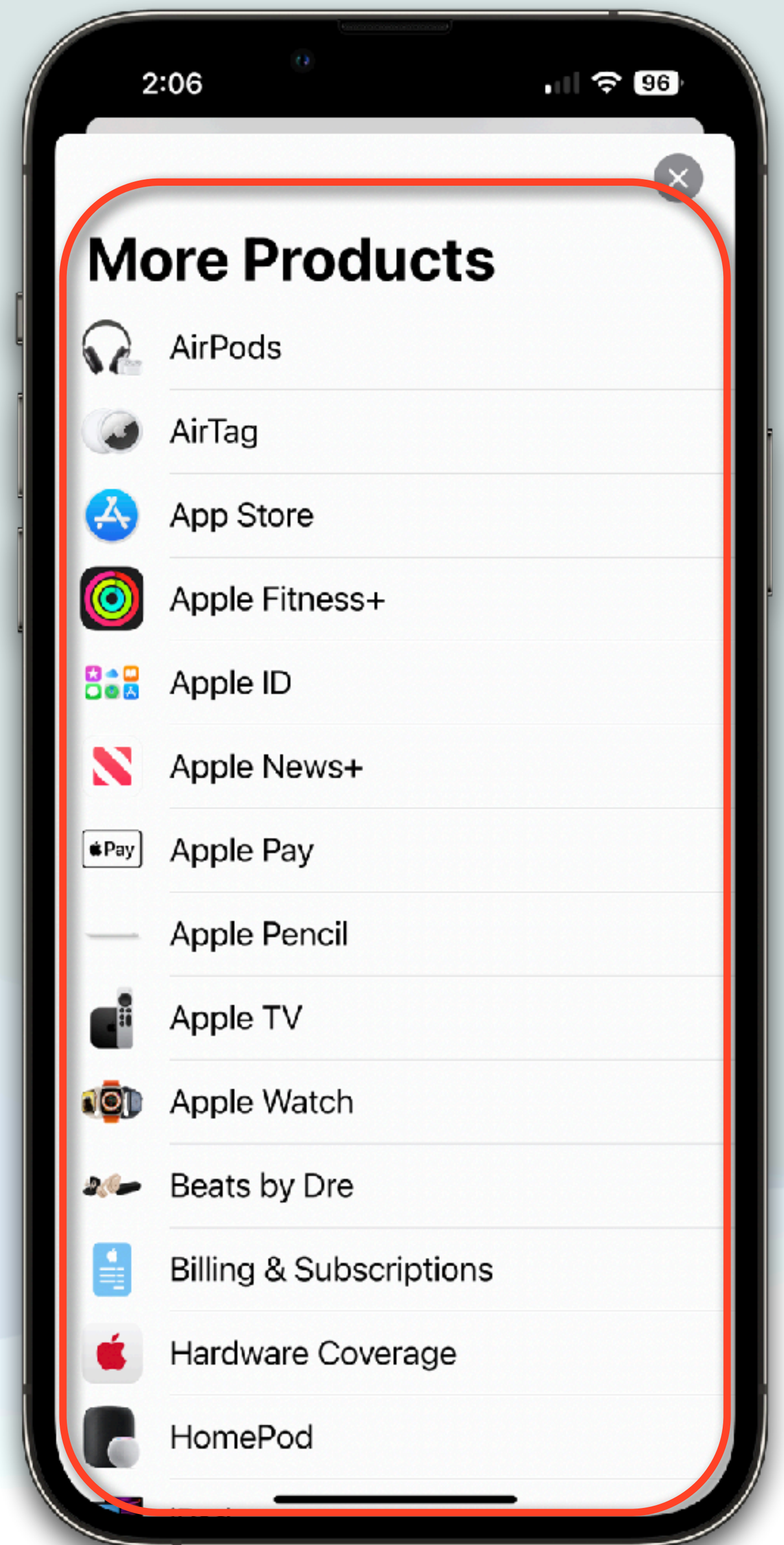
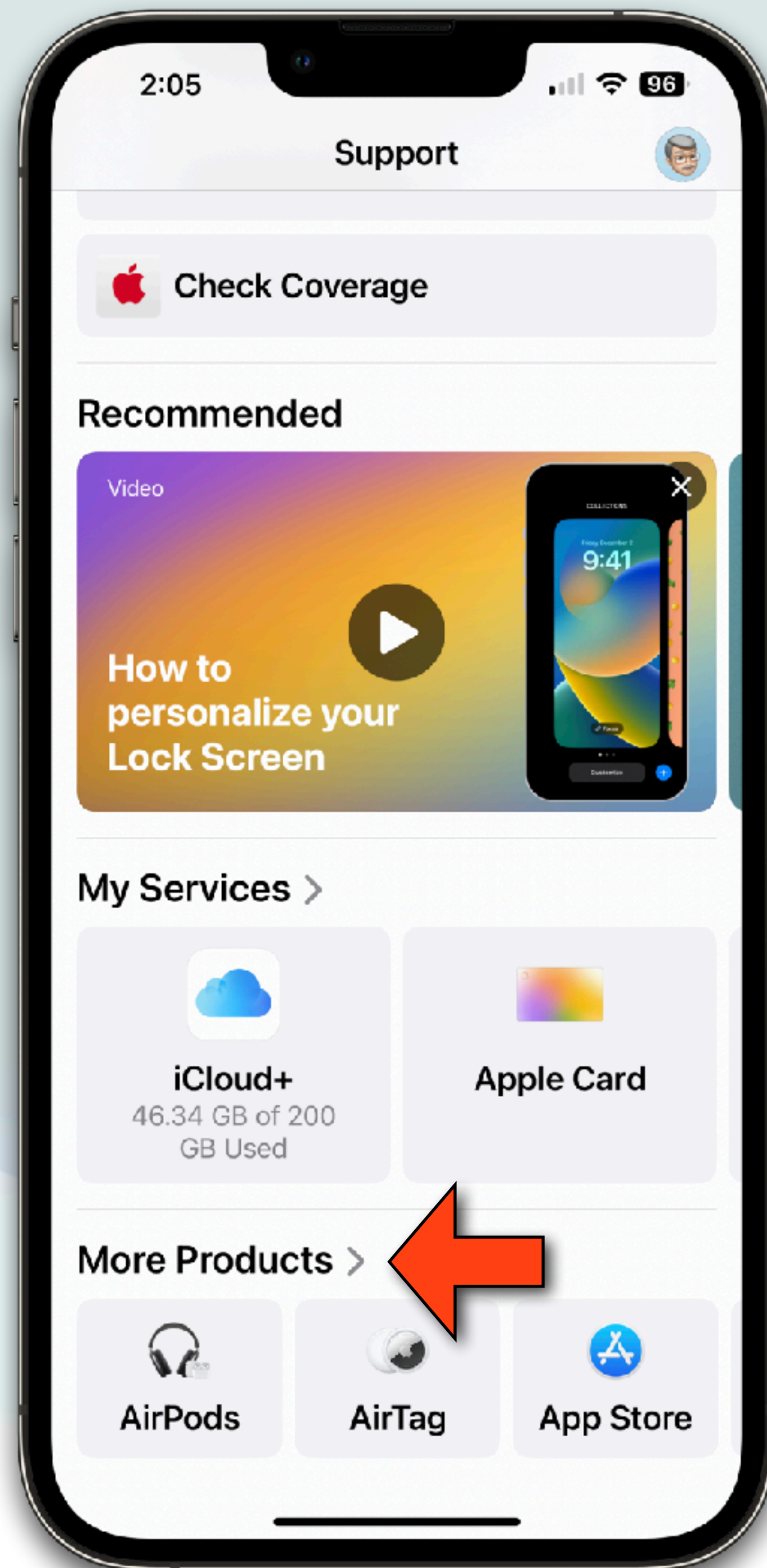
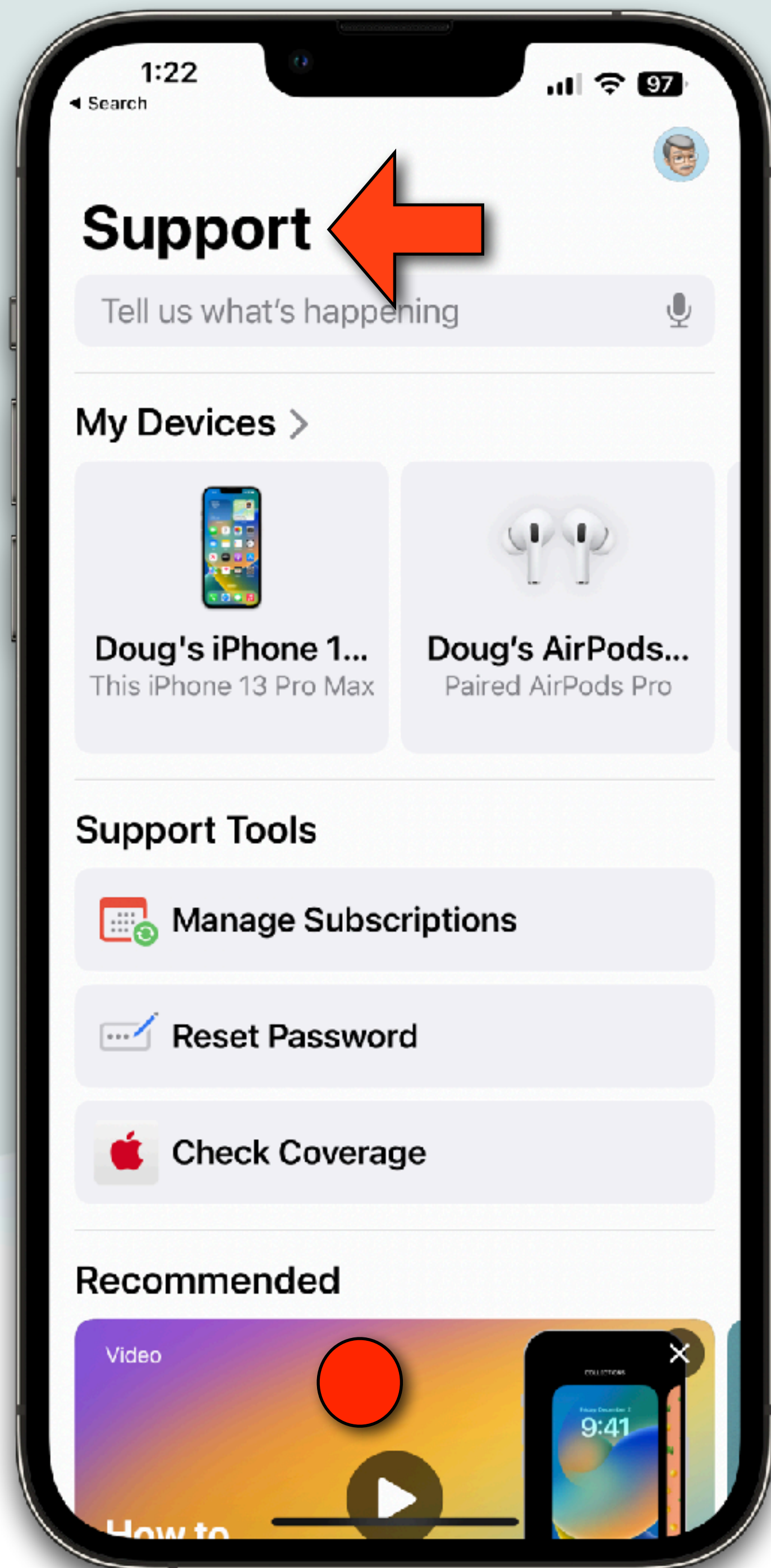


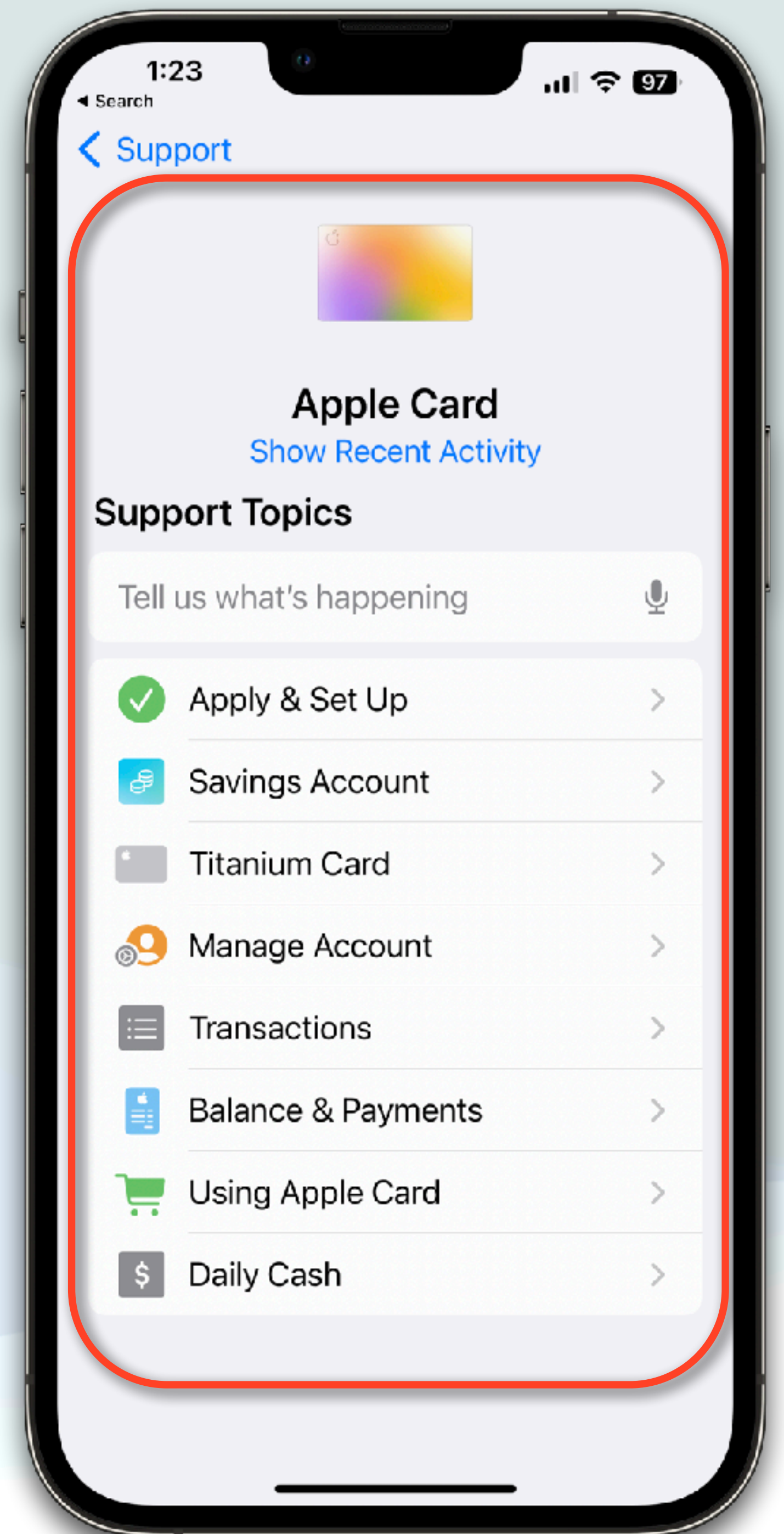
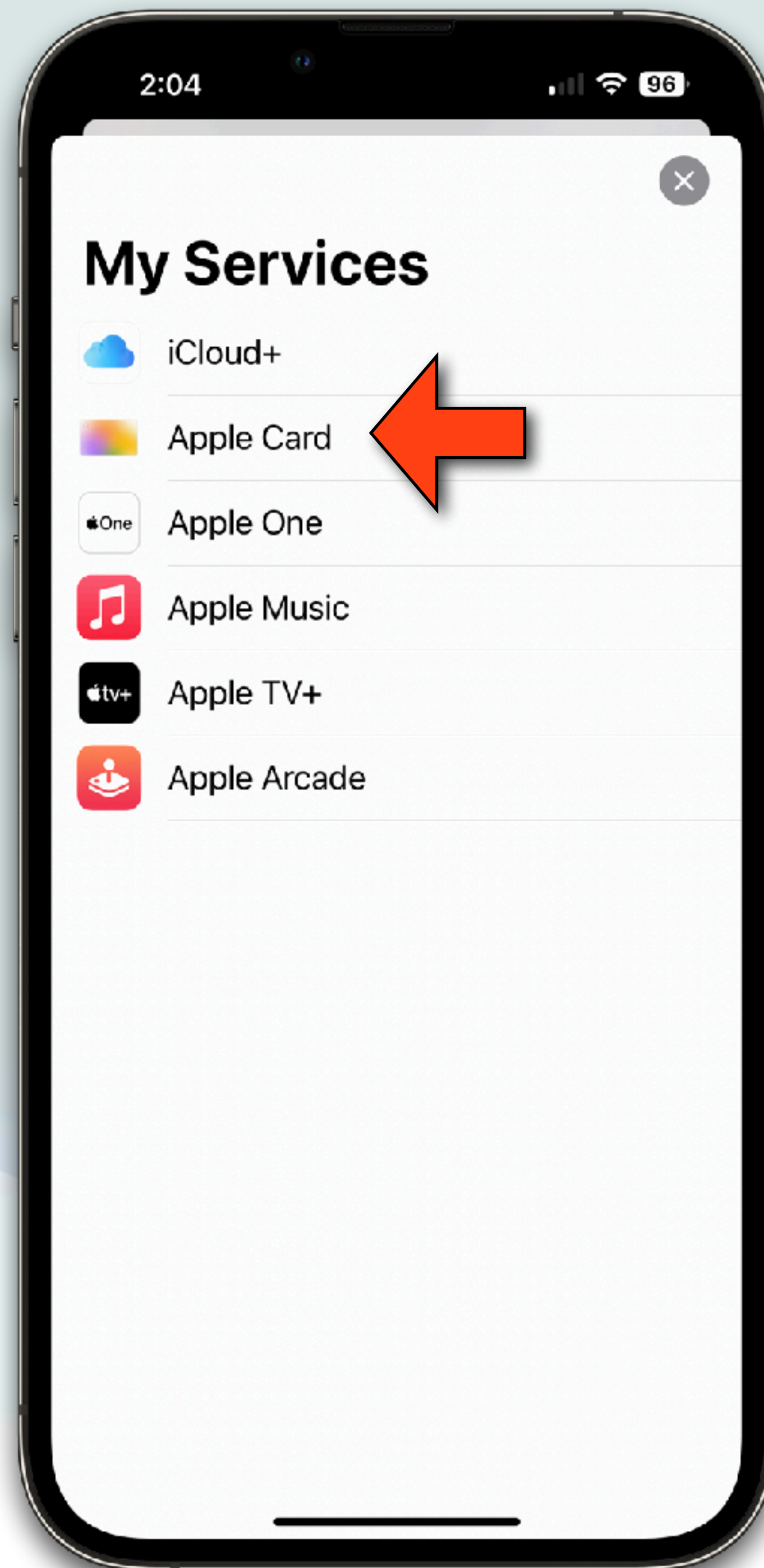
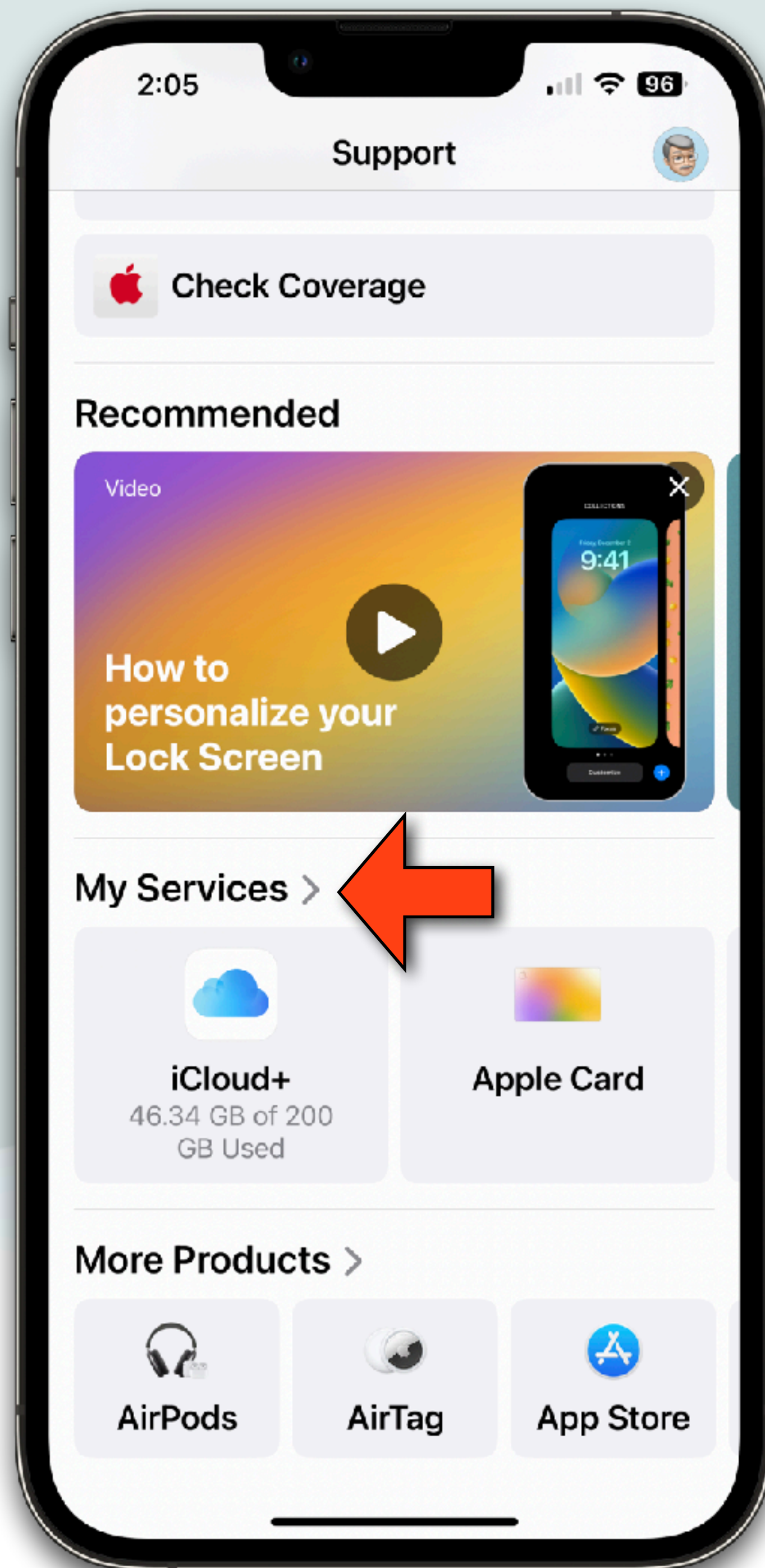
Support

# Apple Resources

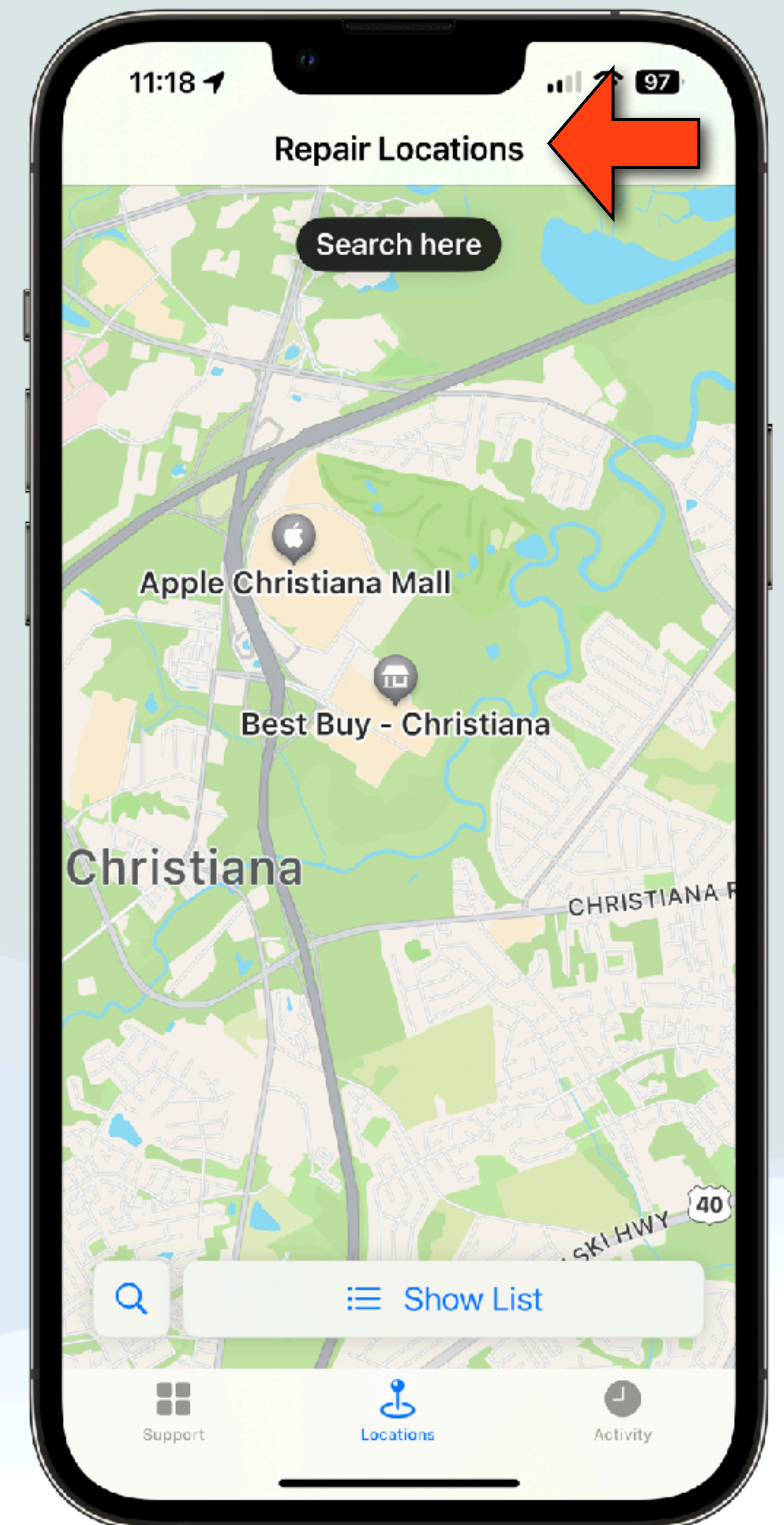
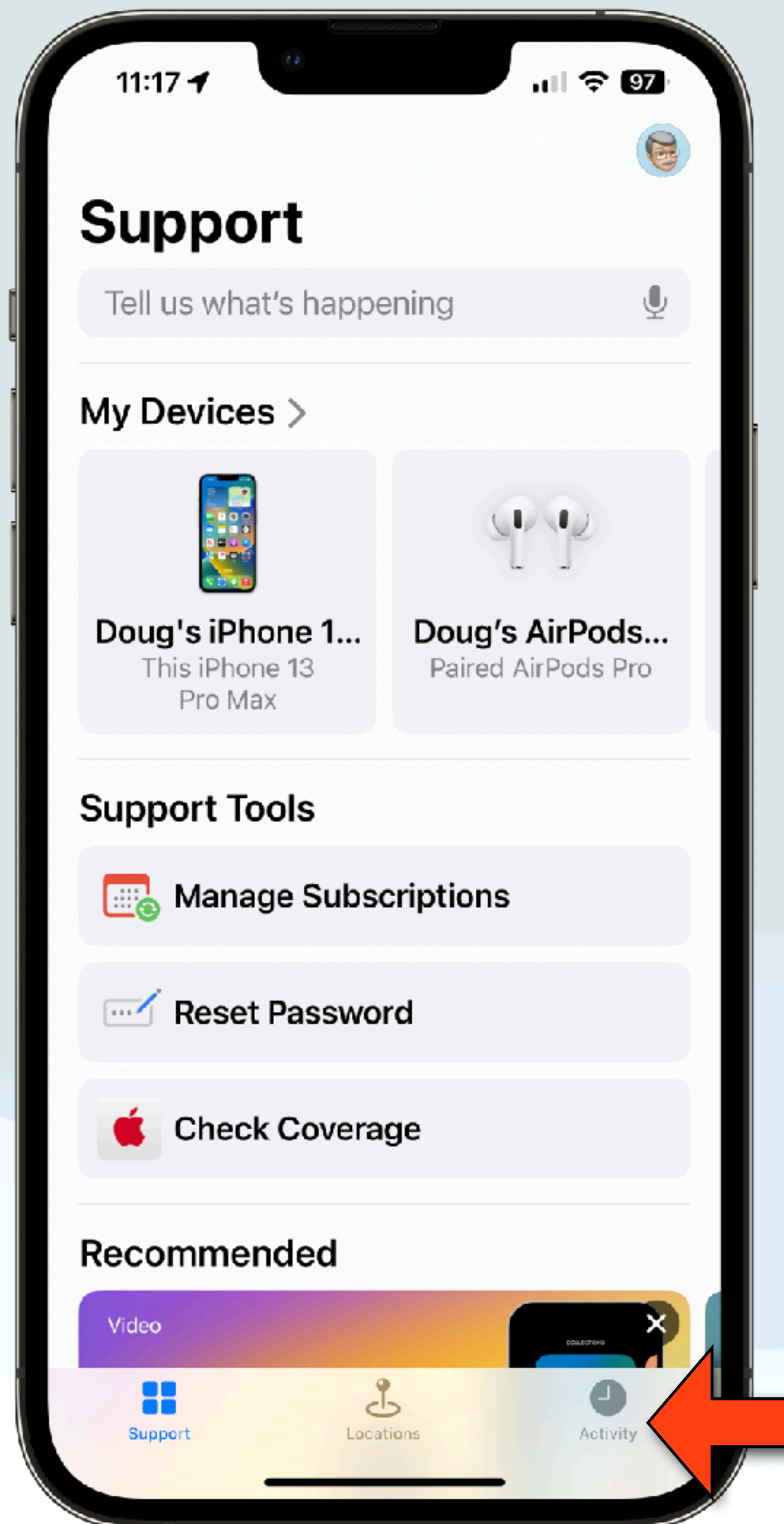


- Another Apple iOS app “Support” contains an enormous amount of information on Apple devices and services
- You can learn how to manage your subscriptions, reset your Apple ID password, set up Apple Pay, and much more
- The app has an extensive list of products and services, and for each one there is a list of support topics
- This is a valuable resource that I’m not sure most people know about





New with  
16.5



The older I get,  
the more I regret  
all the people I've lost  
over the years.

Maybe being  
a trail guide  
wasn't such a  
great idea after all.



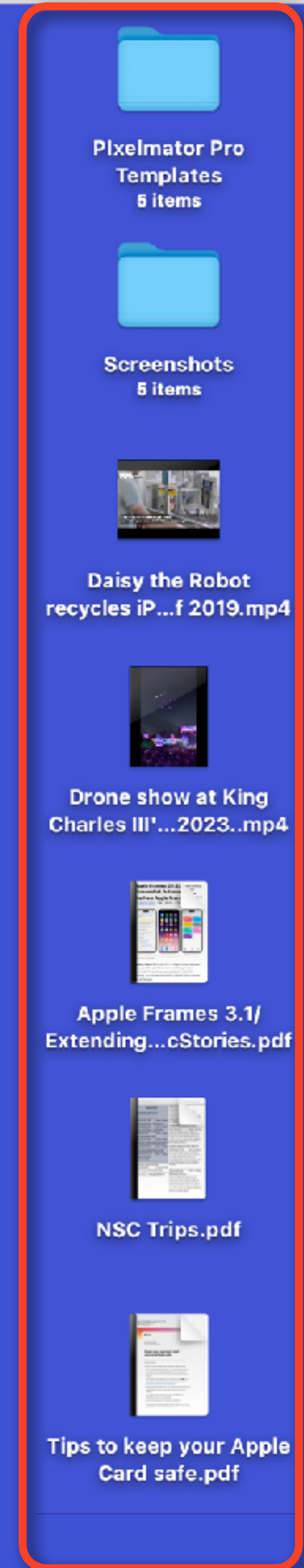
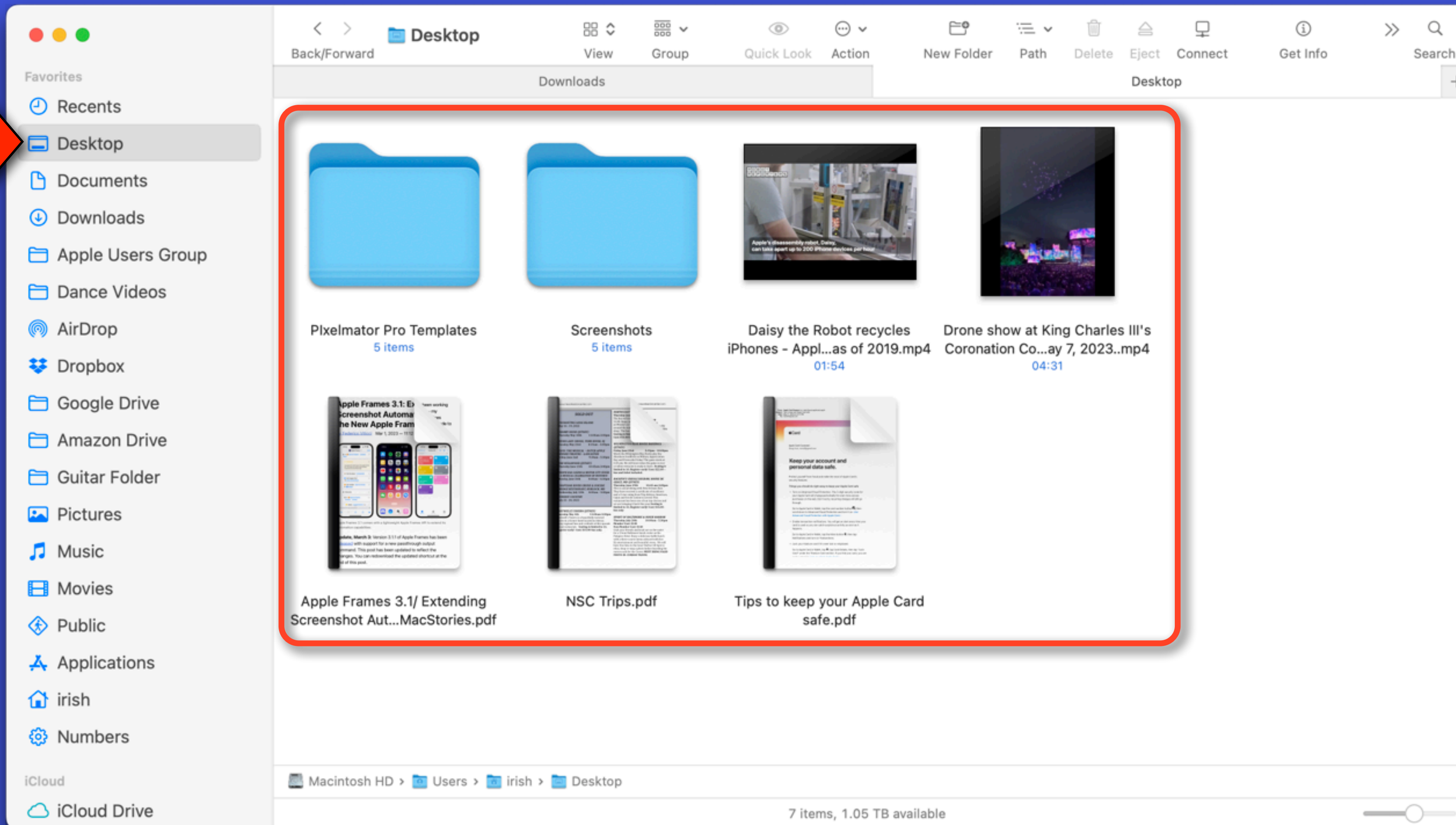
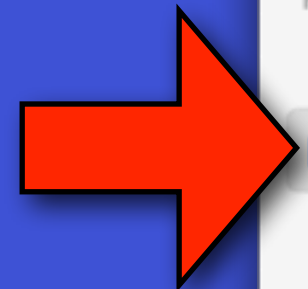
# Spring Cleaning



# Spring Cleaning



- We generally think of our house and yard when it comes to spring cleaning, but it's also a good time to clean up your Mac as well
- A lot of obsolete content can slow up your Mac
- And proper filing of content makes it far easier to find things
- The desktop is a great place to start
- The desktop is a special folder
- It is both a normal folder, but it's contents also shows up on your computer screens

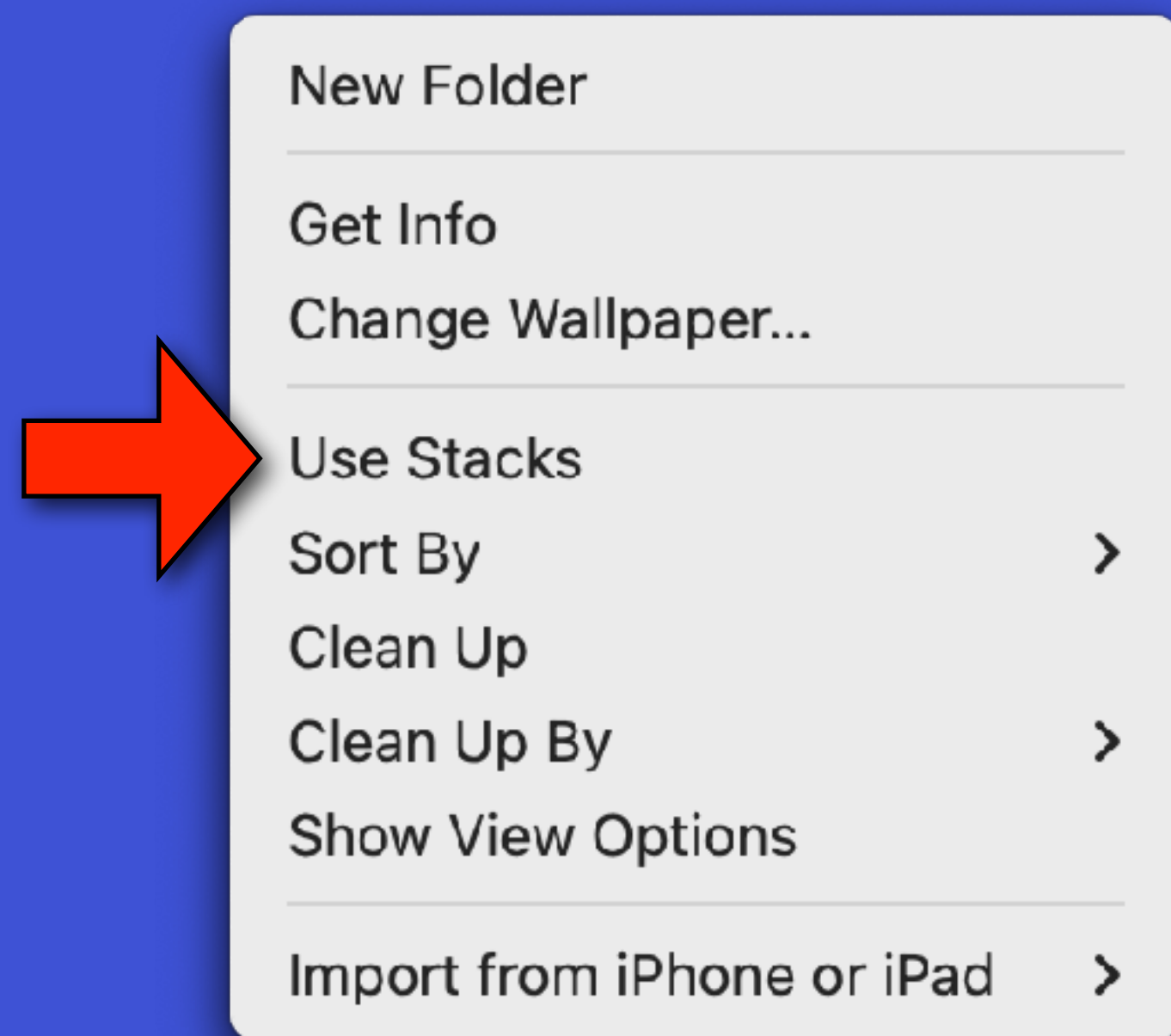


# Desktop

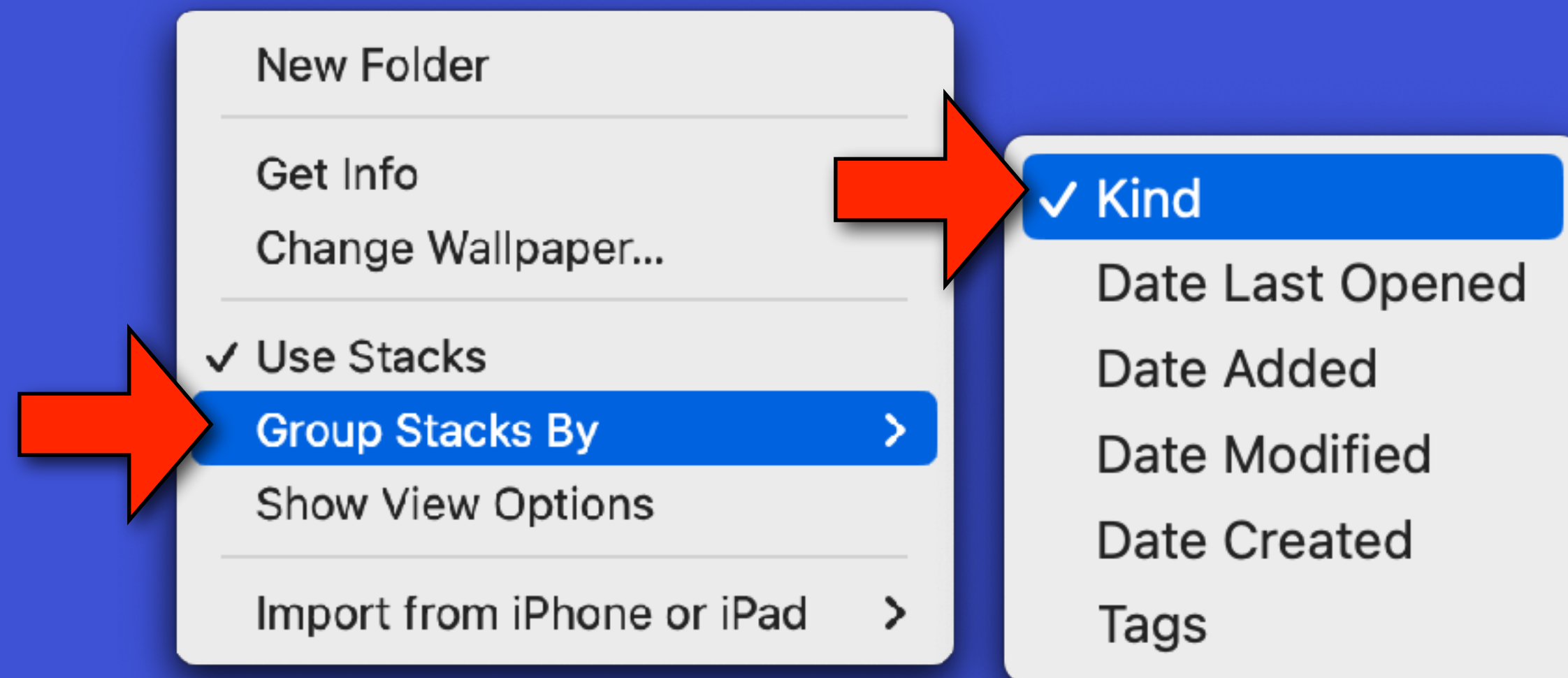
# Spring Cleaning



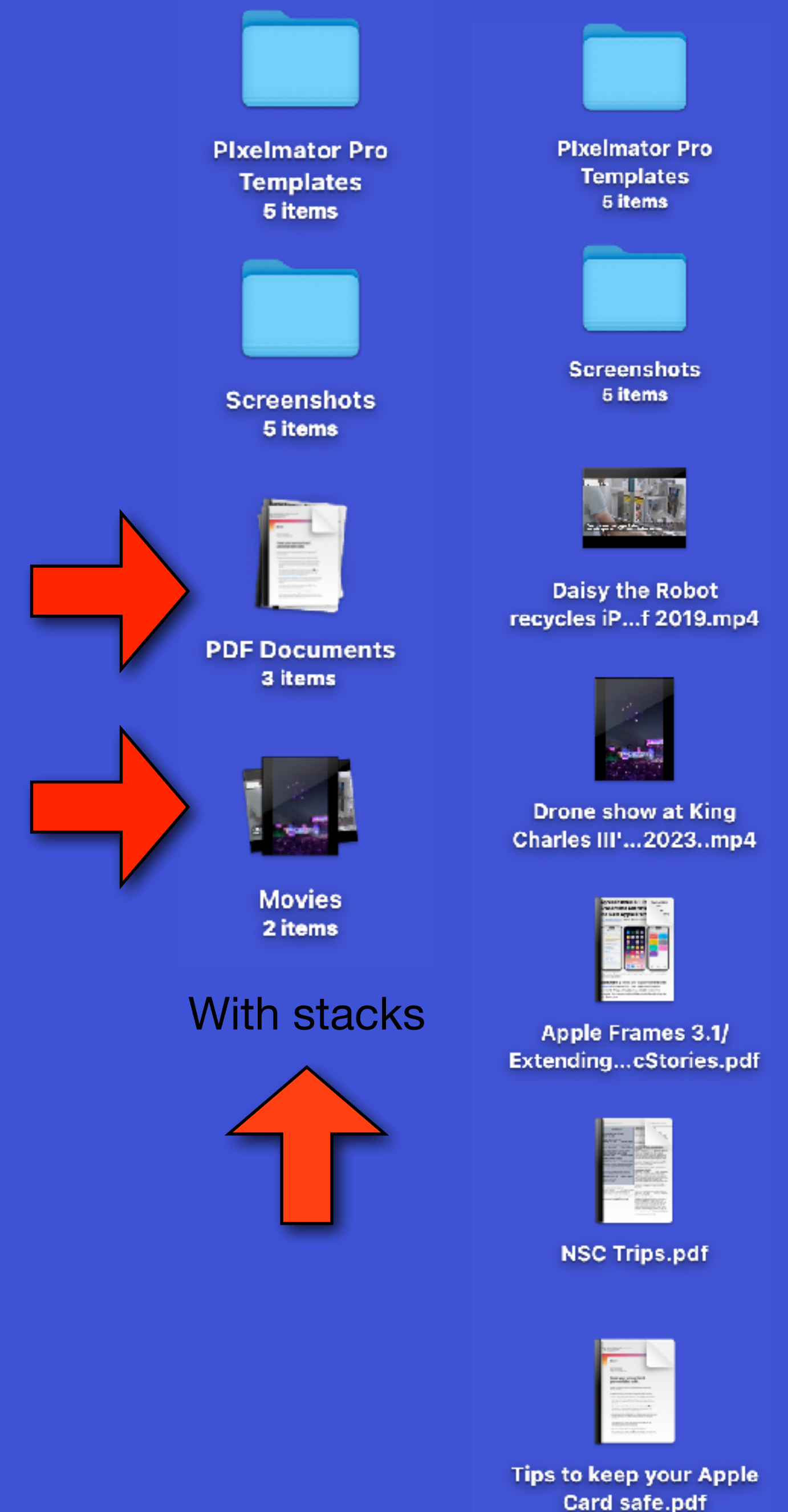
- Your desktop ideally should only have files on it that you are actively working with
- The desktop is re-drawn every time you go to it, so having too many items on it will eventually slow your machine down
- Too many items will also make it more difficult to find things
- As soon as you finish with an item, you should delete it or file it into a permanent location (more on this later)
- You can also use “Stacks” to group items together on your desktop



Right Click



Right Click



With stacks

W/O Stacks

# Spring Cleaning



- “Downloads” is another folder that has a tendency to be abused
- This is the folder where files go when you download them from the web, or if you receive a file thru AirDrop
- If you are not careful, this becomes a place for files to accumulate due to “Out of sight, out of mind”
- Ideally, as soon as possible after a file is downloaded, you should deal with it, then either delete it, or file it permanently

# Spring Cleaning



- Another “Out of sight, Out of mind” folder is your iCloud Folder(s)
- This is another terrible place to have items accumulate since **①** storage is limited, and **②** if you exceed the minimum, it costs you money
- Valid reasons for files to be in iCloud is that **①** you want to access the files on multiple devices or **②** you want to share them with other users (BTW, these are very good reasons)
- If these don’t apply, move the file from iCloud to a device where it makes sense (for me, it’s usually my Mac)

# Spring Cleaning

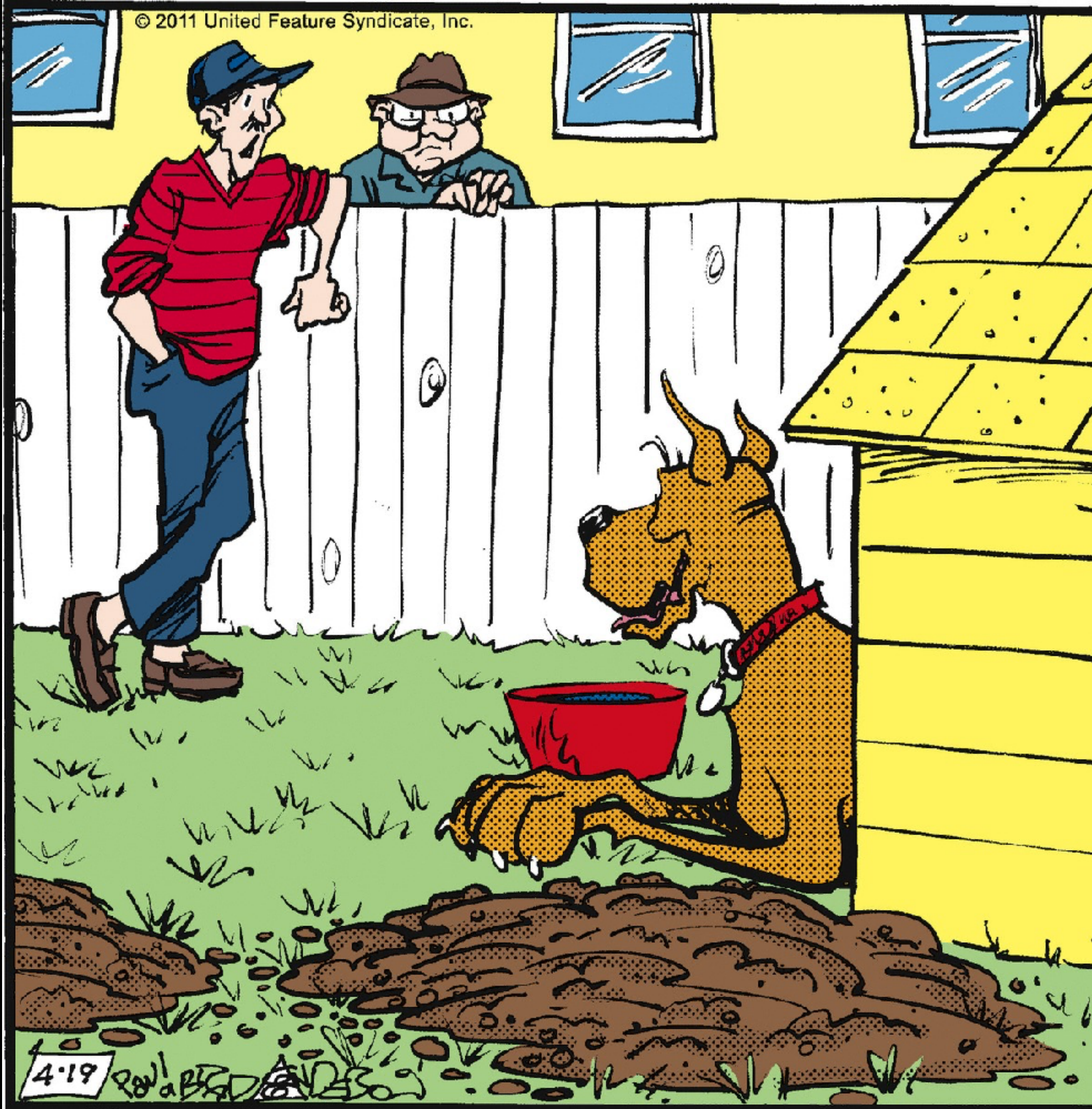


- So where should you store files on your Mac?
- The best advice is to store them where you'd logically look for them
- You automatically have folders for: Pictures, Movies, Music, Documents, And Applications - So use them for those things
- When a folder gets too big (Documents), create sub-folders with meaningful names (Taxes, Appliances, Automobile, etc...)
- The better you do this, the easier it'll be to find things in the future

# Spring Cleaning



- One last thing: You can store pictures in the pictures folders or in the Photos app
- My advice is to store photographs in the Photos app
- It has many tools that deal with photos, including many tools for organizing photos (albums, keywords, face recognition, item recognition, places, media types, shared with you, sort and search by date, etc...)
- I use the pictures folder for Clipart, memes, or other graphic files that are not photographs



“Burying things is his version of spring cleaning.”

# AirDrop



# AirDrop

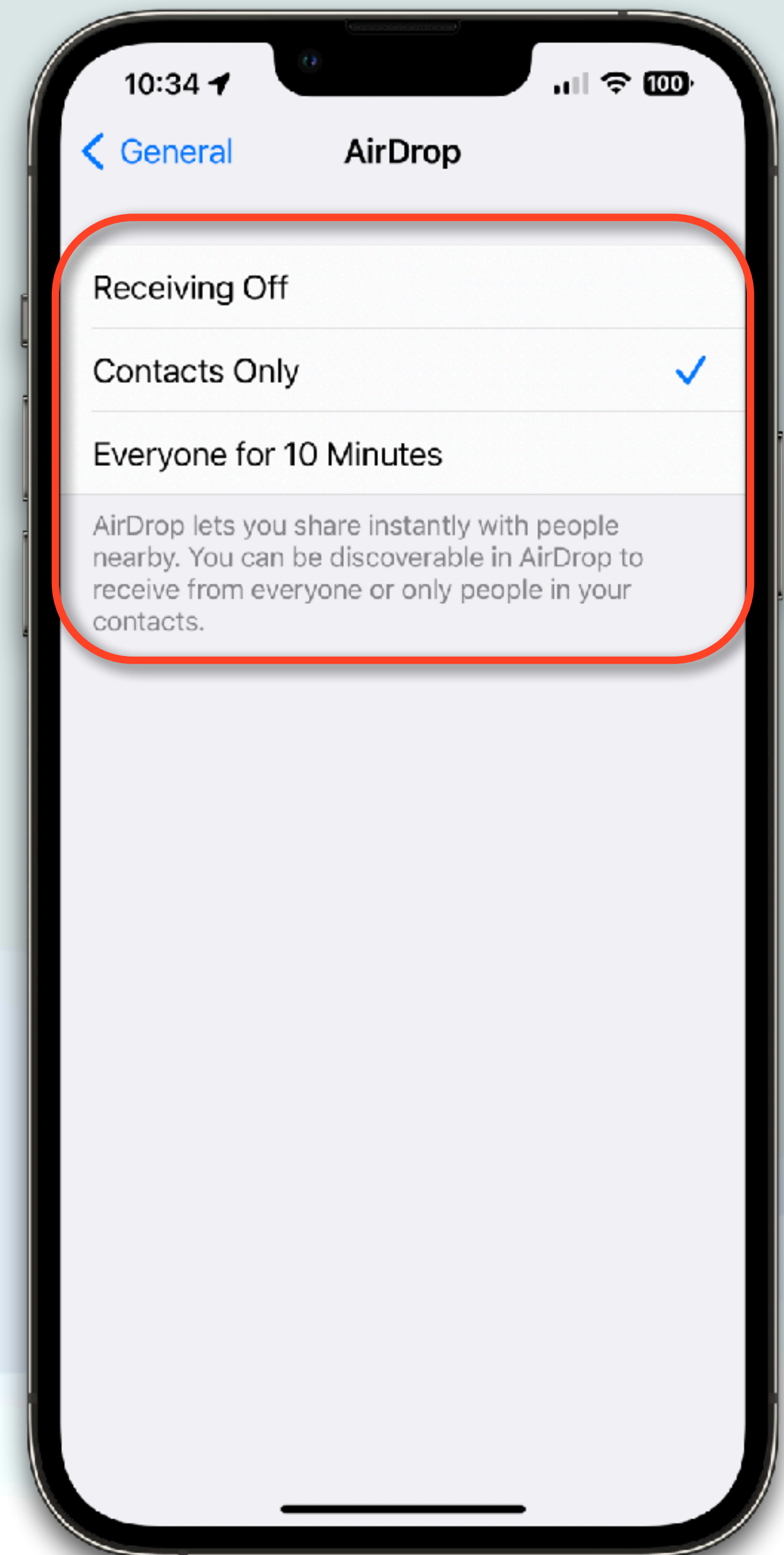
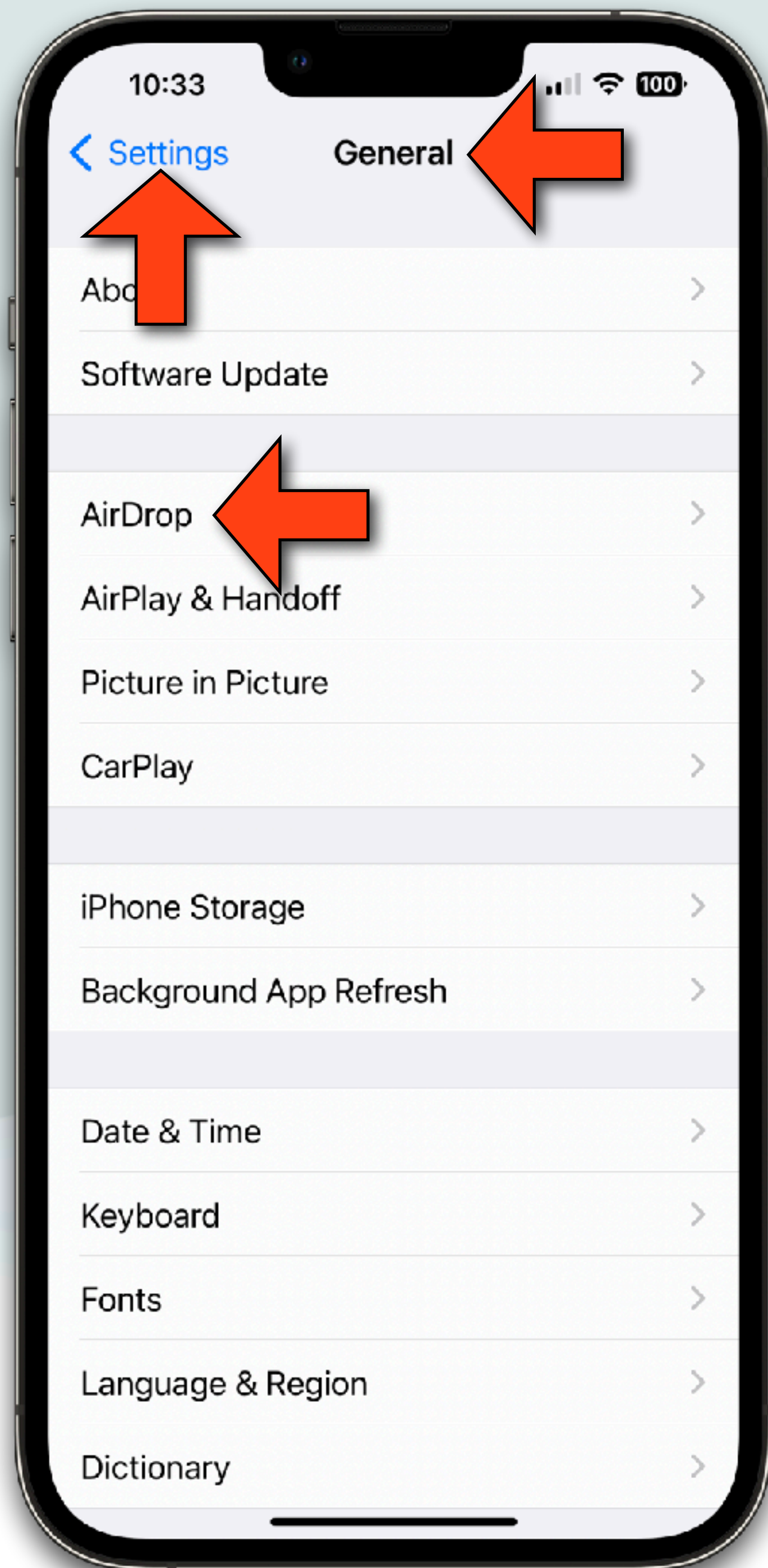


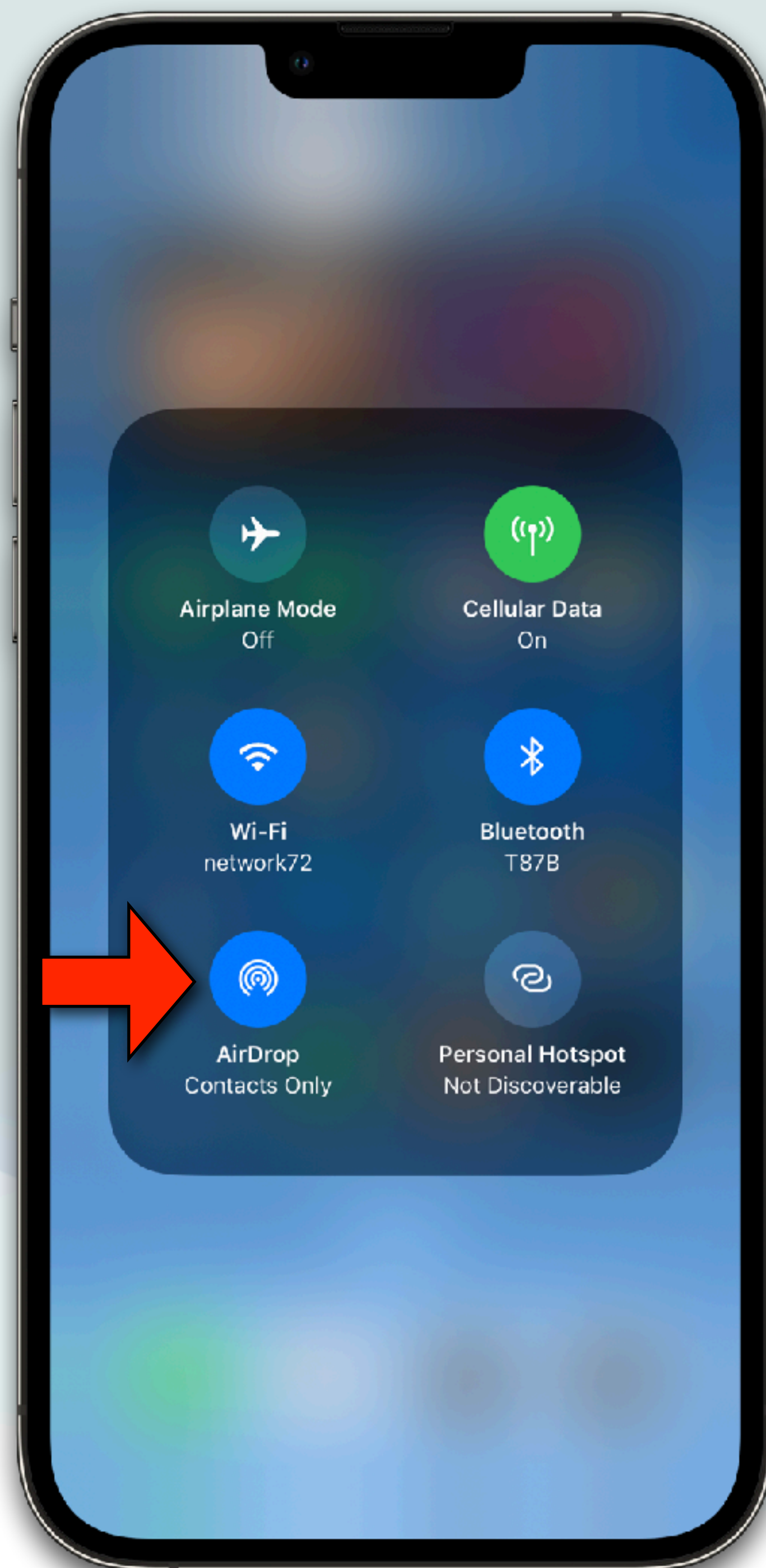
- AirDrop is a way to wirelessly transfer files, pictures, and other information between Apple devices
- If the devices are within Bluetooth range (<30 ft), it is the best way to transfer files
- For one thing, there is little or no set up to use it
- On the iPhone, or iPad, just go to settings, general, AirDrop
- Or go the Control Center, long press on the network section, then select AirDrop

# AirDrop



- Once you are there, you have 3 settings to chose from:
  - Receiving Off: you can not receive any Airdrop Files
  - Contacts Only: You can only receive items from people in your contacts app
  - Everyone for 10 minutes: You can receive items from anyone who has an Apple device
- The last item used to be just Everyone, but Apple recently changed this since it's a bad idea to leave it like this permanently

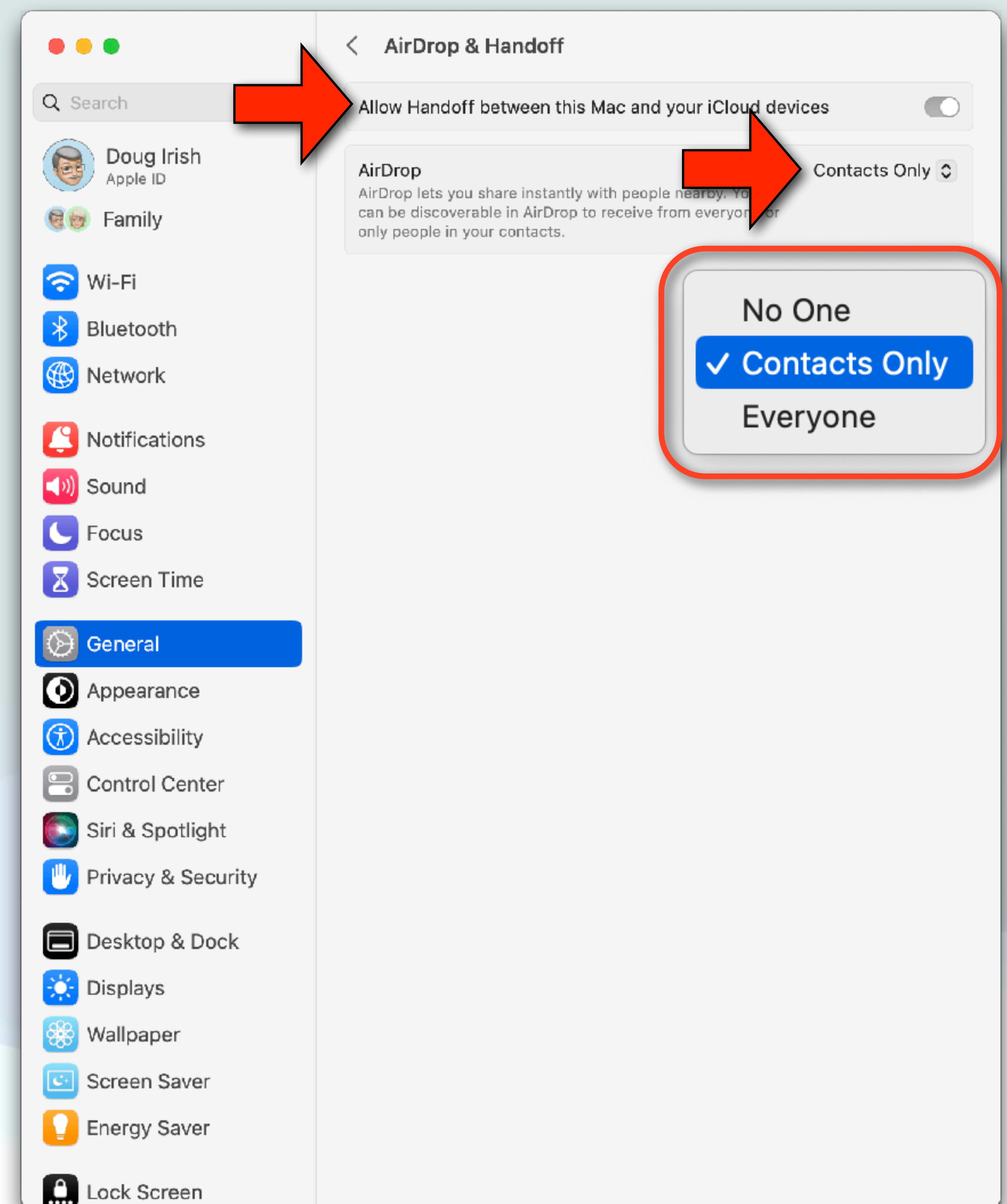
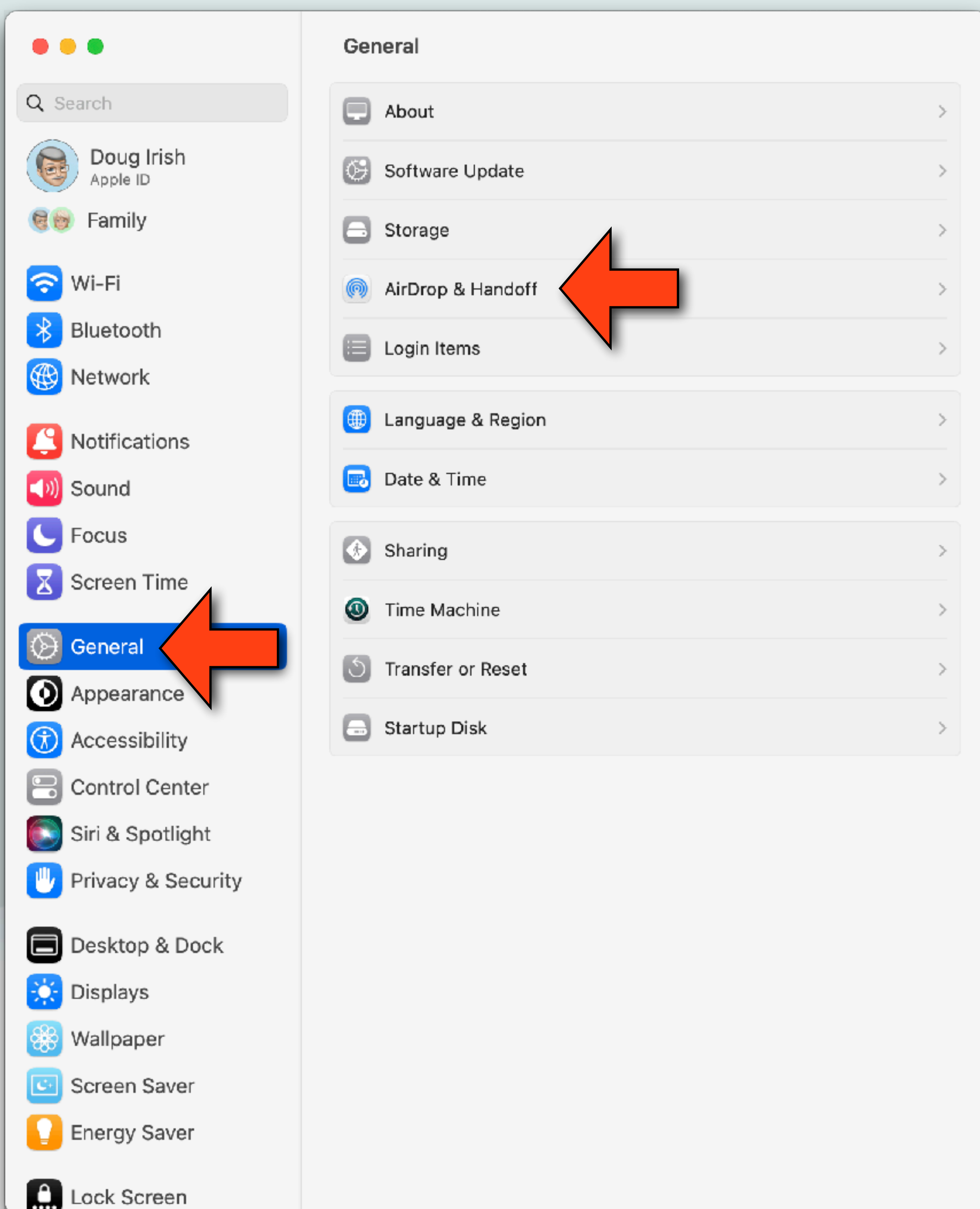


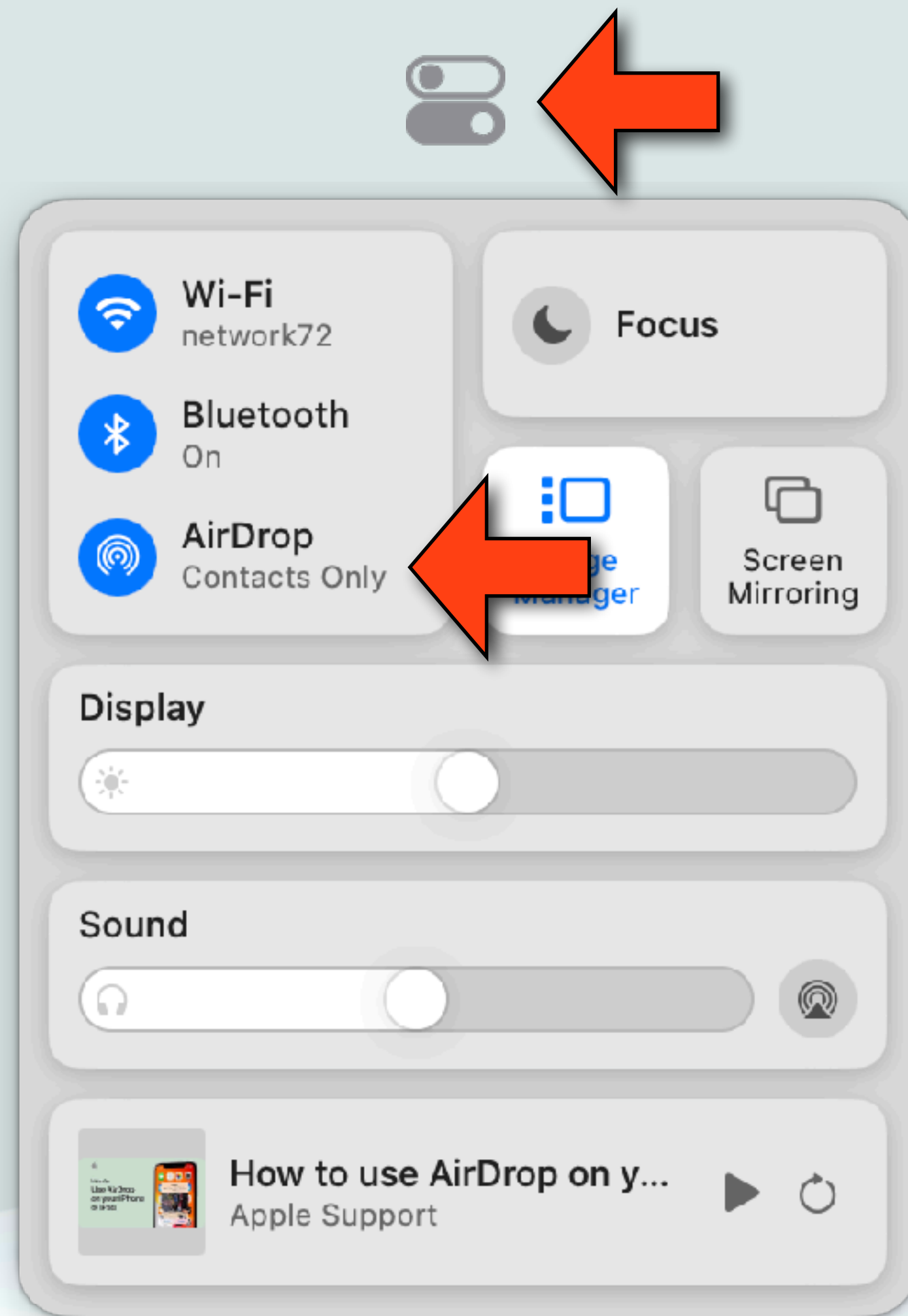


# AirDrop

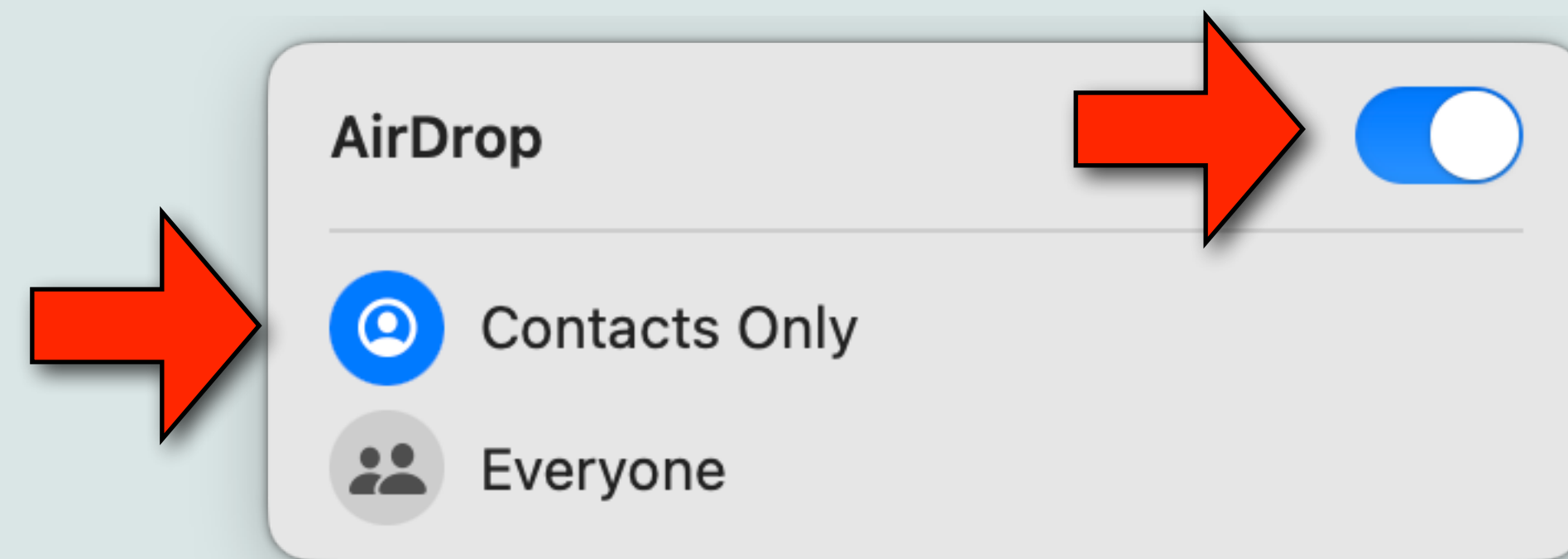


- On the Mac, go to Settings, “AirDrop and Handoff”, and turn on “Allow handoff between Mac and your iCloud Devices”
- Or go to Control Center, AirDrop, to turn Airdrop on
- In either case, you get to chose: Contracts only or Everyone
- Note: Apple has not changed Everyone to Everyone for 10 Minutes on the Mac like they did for iOS (at least not yet)
- I totally recommend not leaving the option on for Everyone
- Set it to Contacts Only





Control Center



# AirDrop

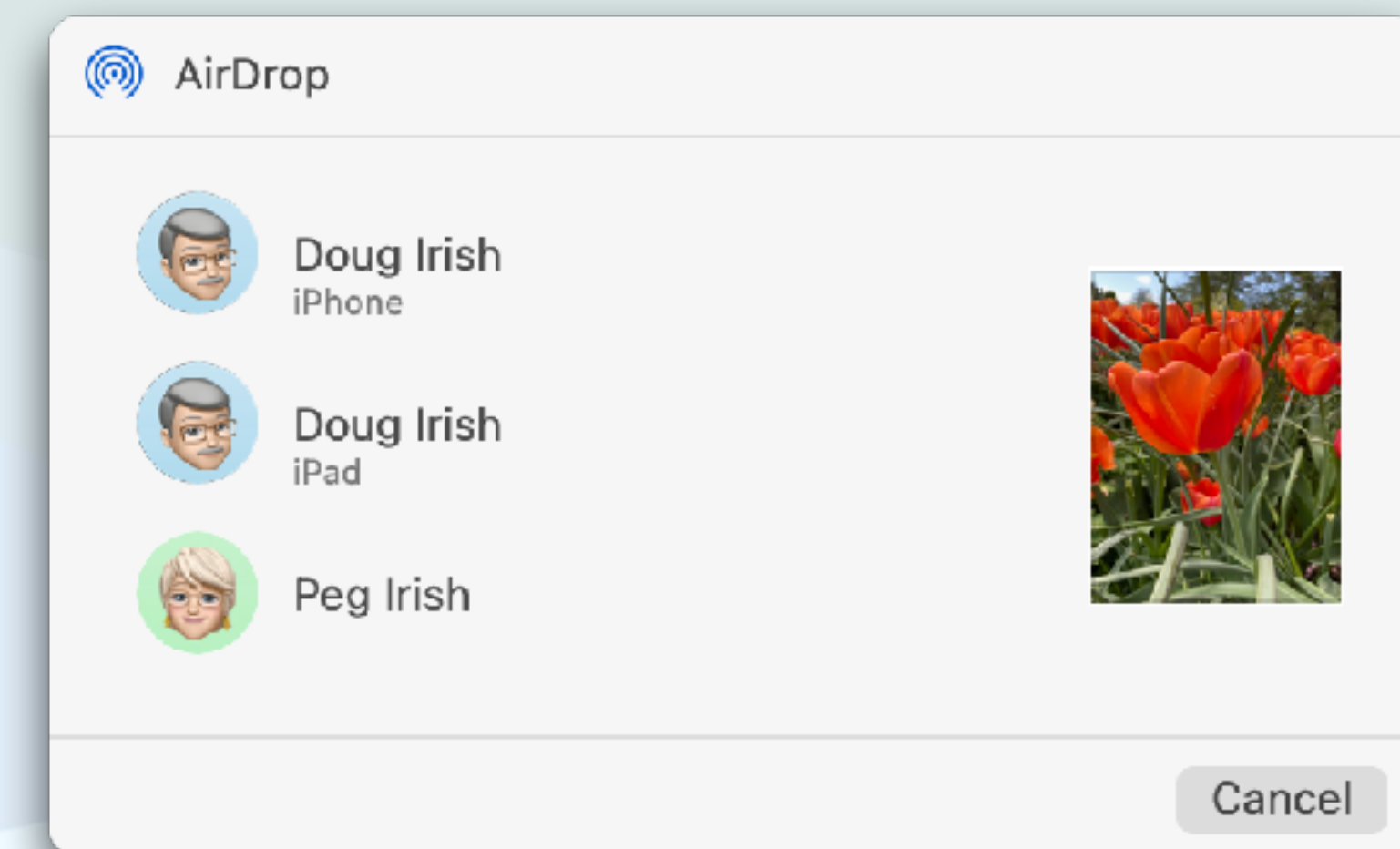


- In addition to sending items to other people, you can also send items between your own Apple devices
- For example:
  - It's great for sending photos from your iPhone to your Mac photos app
  - On vacation, I'll use it to send photos from my iPhone to my iPad
  - This provides a backup, and the larger screen is nicer when viewing photos

# AirDrop



- To send an item, just select the item you wish to send, hit the Share icon (⏏), and select AirDrop
- Then you're going to see nearby devices that can receive the item
- Select the device you wish to send to
- If it's another person, they'll have to accept it
- If it's to one of your devices, it'll just send it



# AirDrop



- Why is AirDrop so good?
  - It uses both Bluetooth and WiFi (Bluetooth for discovery and WiFi to transmit/receive)
  - It does not use public WiFi, but instead uses a temporary WiFi connection directly between the two Apple Devices that's very fast
  - Sending files does not use cellular data
  - It's also very secure - since it's not sent over a public network, it doesn't involve any other devices other than the two Apple devices involved (no intermediate servers)

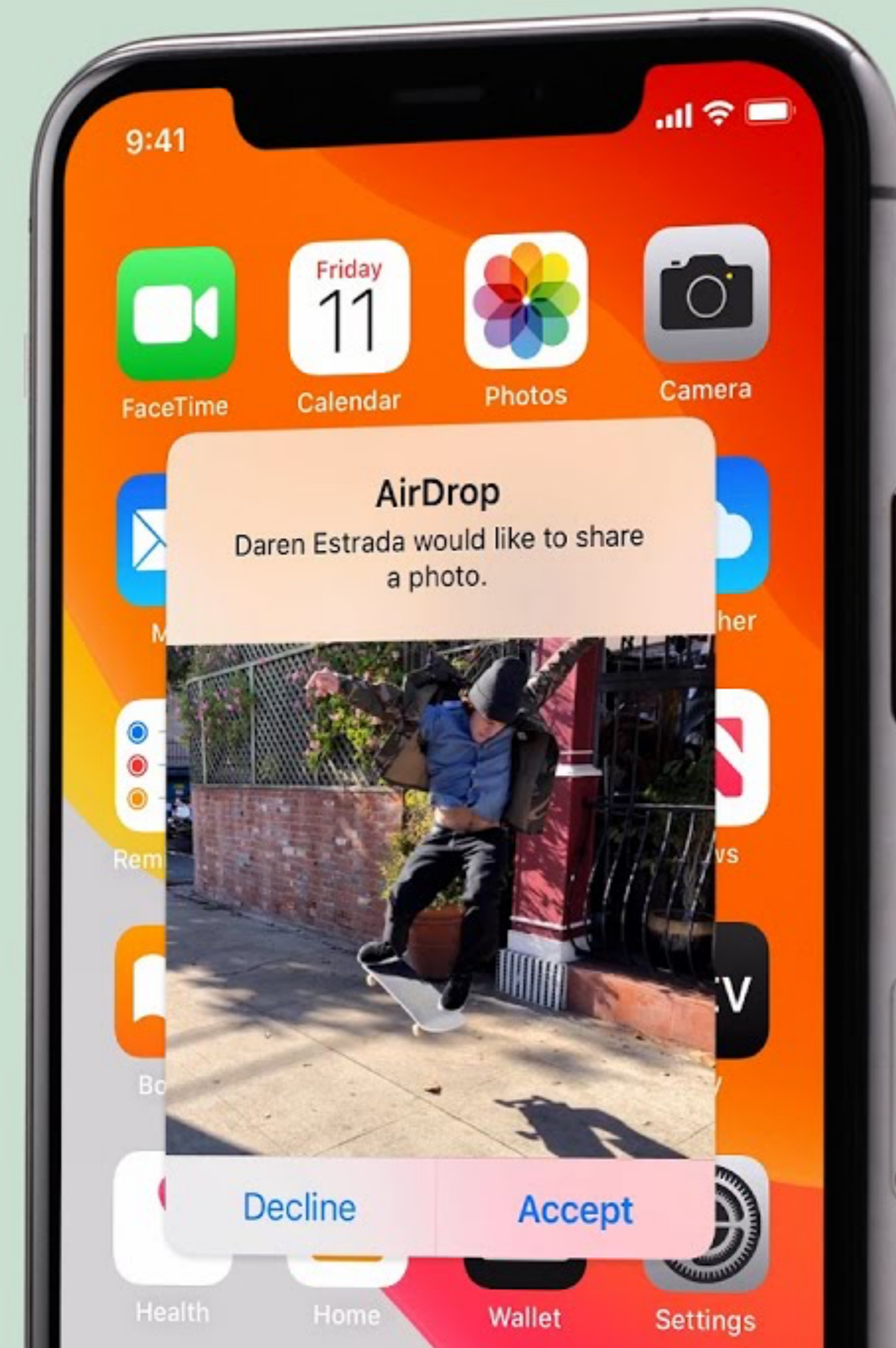
# AirDrop



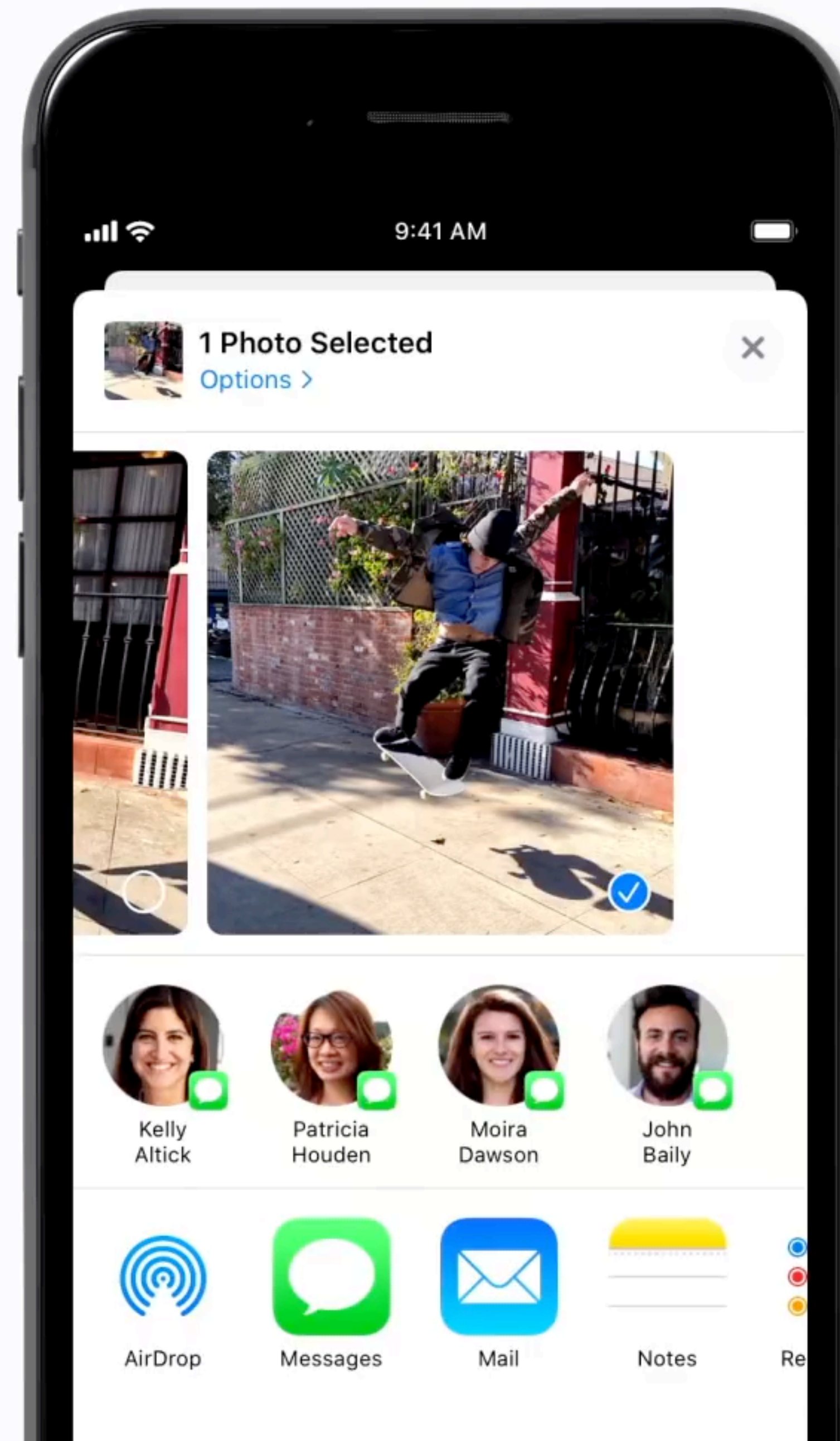
- AirDrop doesn't require the devices to be on the same network or indeed on any WiFi network, just that WiFi and Bluetooth are turned on
- AirDrop works for any file, Photos, Pages, Numbers, Notes, Keynote, etc... and it's not restricted to just Apple files
- You can send text files, zip files, images, videos, or even folders
- And it also works with other types of data like Contacts, or websites
- Almost anything you can share, you can AirDrop



# How to Use AirDrop on your iPhone or iPad



<https://www.youtube.com/watch?v=CVLdVmUiqqU>

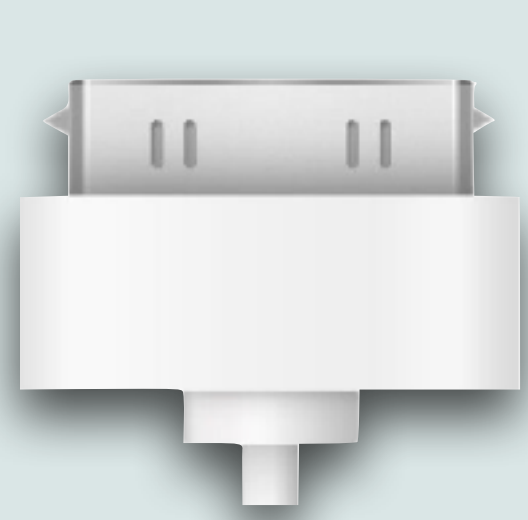


I got this puppy for my husband. I think it was a fair trade.

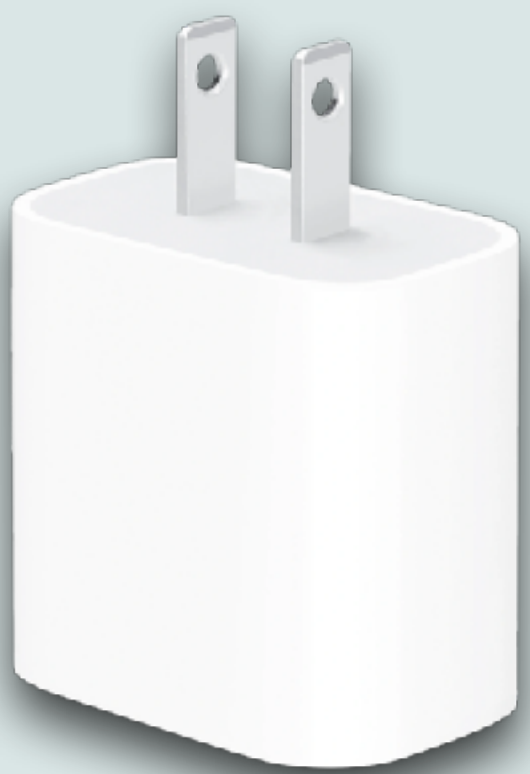


# iOS Charging





# iPhone Charging



- Charging your iPhone traditionally involved using a cable to connect your phone to a charger that is plugged into a wall, or a USB port on your computer
- The early iPhones came with a small 5W charger and a USB to 32 pin cable that connected to the phone
- The 32 Pin connector was replaced with Lightning in 2012
- In 2019, the iPhone 11 Pro replace the 5W adaptor with an 18W USB-C adaptor




# iPhone Charging



- Starting with the iPhone 12, Apple stopped including any adaptors with their Phones (for environmental purposes)
- I still have six 5W chargers from previous purchases
- Today's iPhones have much bigger batteries with bigger power demands
- We have also have many more options for charging the phone: Qi charging, MagSafe charging, fast charging, and optimized battery charging to prolong battery life
- There are also a deluge of 3rd party charging solutions available

# iPhone Charging



- This can be confusing and today I'll try to clarify some of this
- I'll start out talking about iPhones, but most of the things I'll discuss apply to iPads as well as  Watches
- You can still charge an iPhone with the original 5W charger and a USB-A to Lightning cable, but it will charge very slowly
- But, to be fair, if you only charge your iPhone overnight while you sleep, this might be sufficient for you
- However, all current iPhones now allow for much faster charging

# Wireless Charging



- In 2017, Apple included Qi Wireless Charging as a feature in the iPhone X and iPhone 8, and for every phone since that time
- Qi Charging charges at 7.5W
- In 2020, Apple introduced MagSafe Charging with the iPhone 12
- MagSafe uses magnets to better align the charging coils and improves the charger to 15W
- While these chargers are not Fast Chargers, they are extremely convenient, especially if you charge your devices overnight

# Fast Charging



- Fast Charging can charge your phone up to 50 percent battery in around 30 minutes
- In order to utilize Fast Charging, you need:
  - iPhone 8 or later
  - A USB-C to Lightning cable
  - A 20W (or greater) USB-C power adapter that supports USB Power Delivery (USB-PD)

# Fast Charging



- Apple sells a number of power adaptors that will work from 18W to over 100W
- However, there are no current iPhones that can take advantage of anything over 30W
- You can use a MacBook USB-C power supply that is over 30W, but it will not charge any faster than a 30W power supply
- Your iPhone won't draw any more power than it needs, so a more powerful adapter won't damage your phone
- If you are buying an adaptor today, I'd recommend 20W or 30W

# Charging Times Compared

Apple Adaptor	30 Min	60 Min	90 Min	Full Charge hr:min
5W	15%	31%	48%	3:35
12W	37%	71%	93%	1:53
20W	57%	87%	99%	1:35
30W	59%	88%	100%	1:30
35W	57%	87%	99%	1:35

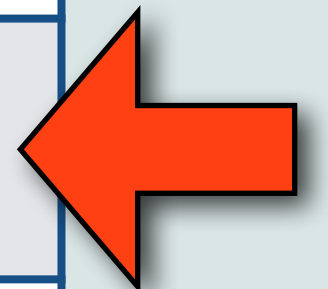
iPhone 14 Pro from No Charge

# iPad Charging Times

Model iPad	10W charger	20W charger	30W charger
iPad	9 hours	2.5 hours	n.a.
iPad Air	8 hours	2.5 hours	2 hours
iPad Mini	5.5 hours	2 hours	n.a.
iPad Pro 11 inches	8 hours	2.5 hours	2 hours
iPad Pro 12.9 inches	10.5 hours	2.5 hours	2 hours

# My iOS Fast Chargers

Company	Model	Wattage	Ports	Foldable	Price
Apple	20W	20W	1	N	\$19
Anker	PowerPort III	20W	1	Y	2 for \$16
Anker	511 GaN Nano 3	30W	1	Y	\$23
Anker	511 Nano Pro	20W	1	N	\$15
Spigen	GaN	20W	1	Y	\$18
Anker	521 Nano Pro	40W	2	N	\$36



All Prices from Amazon (subject to change)

# Apple Watch Fast Charging

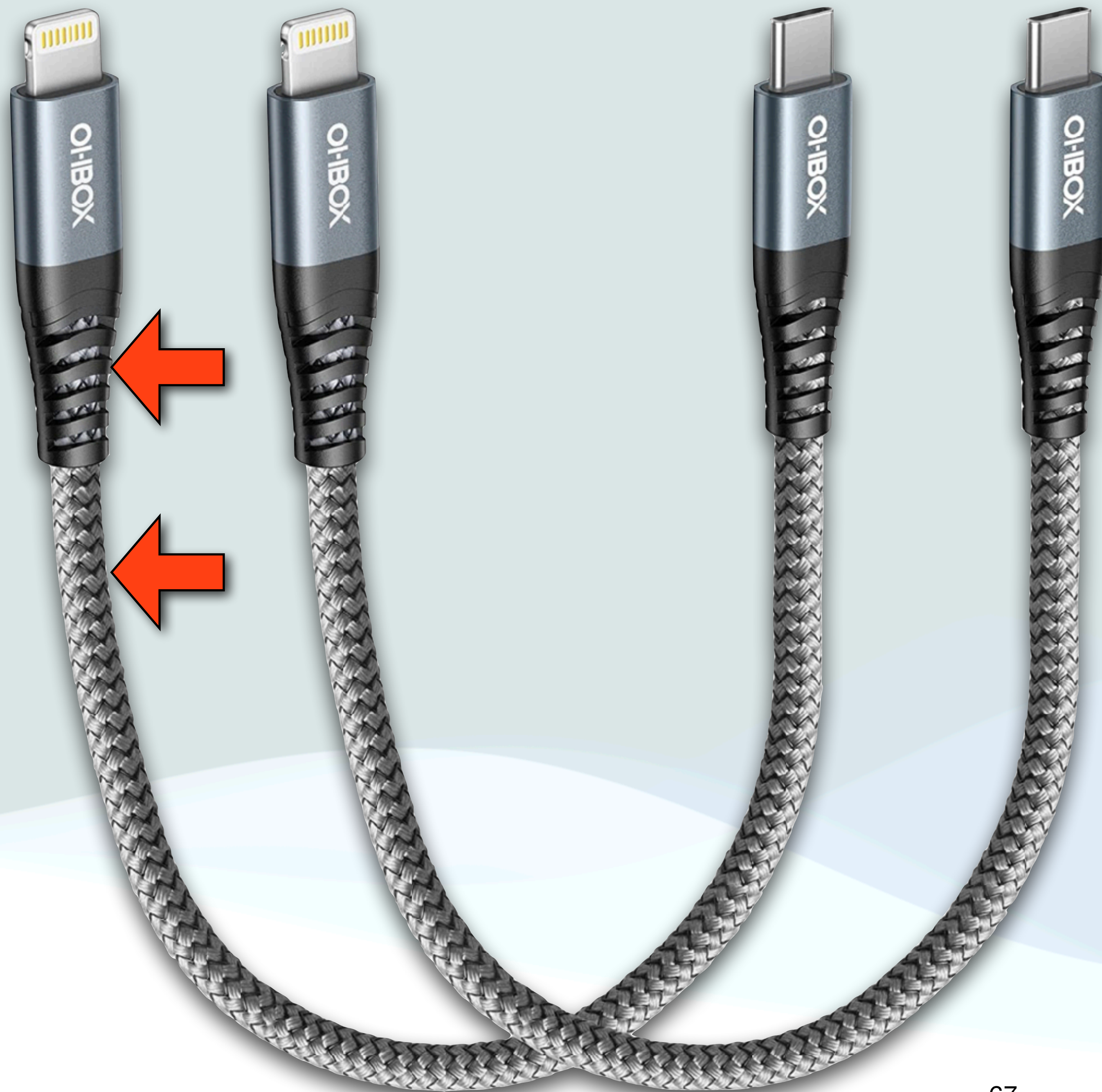


- The only Apple Watches that support fast charging are the Series 7, Series 8, and the Ultra
- With fast charging, Apple Watch Series 7/8 can go from 0 percent to 80 percent in about 45 minutes while the Ultra takes about an hour
- Fast charging requires a 20W or greater USB-C power adapter that supports USB Power Delivery (USB-PD) and an Apple USB-C Magnetic Fast Charging Cable
- You can identify this cable from previous chargers by the USB-C connector and the aluminum around the magnetic charger

# Cables



- In order to get fast charging, you must have USB-C cables
- For iPhones, it must be USB-C to Lightning, and for recent iPads, USB-C to USB-C
- When you buy cables, make sure they are ❶ MFi certified (Made for iPhone), and ❷ are capable of PD (Power Delivery)
- I like to get the shortest cable that I can use so I don't have extra cable lying around, but this depends on your situation
- I also prefer braided cables with a solid connection at the ends



Brand	Ohbox	\$11.99
Connector Type	USB Type C	
Cable Type	USB, Lightning	
Compatible Devices	iPhone / iPad / iPod	
Special Feature	Braided, High Speed, Fast Charging	
	<a href="#">See more</a>	

#### About this item

- **【Apple MFi Certified USB C to Lightning Cable】** Apple MFi Certified USB C to lightning cable.guaranteed no pop-up warning messages, These iPhone fast charger cables use the newest C94 lightning end design for fast charging, which can safely and quickly charge your iPhone device.
- **【Power Delivery Fast Charge Compatibility】** The short USB C to Lightning Cable supports fast charging up to 3A. It also supports the transmission of data. The fastest speed can reach 480Mbps. Fast and stable transmission brings you a more smooth using experience. Supports safe high-speed charging and fast data transmission, allowing your device to work better and quickly charger.
- **【PD Short iPhone Fast Charger Cable】** The 1ft USB C to Lightning Cable supports fast charging up to 3A. At the same time, it also supports the transmission of data. The fastest speed can reach 480Mbps. Fast and stable transmission brings you a more smooth using experience. Note: You need a USB-C port wall charger to match it
- **【1FT 2Pack USB C iPhone Charger Cord】** 12 inch usb c iPhone cable is ideal for use with portable chargers or where space is at a minimum. You can choose the Length most convenient for you to charge your Power Bank, Charging Stations and Laptops in bedroom, sofa, office, even when you are on the backseat of the car.
- **【What You Get】** 2Pack 1FT USB-C to Lightning Cable, worry-free 12 month warranty and friendly customer service.

# GaN Chargers



- Most chargers are made with Silicon components
- A new category of chargers are now available that use Gallium Nitride (GaN)
- GaN chargers don't require as many components as silicon chargers, and because of this they are physically smaller, more efficient, have less heat buildup, and can handle higher voltages
- They are also slightly more expensive but the price is coming down

# MultiPort Chargers



- When you buy a multiport charger, the wattage specified is generally the maximum wattage across all ports
- For example the 4 port Anker PowerPort 4 will provide 40W, but it is spread across 4 ports (10W/port)
- If you want to have 20W per port, you would need 80W for a 4 port device and 40W for a 2 port device
- If you don't use all the ports, you can sometimes get more wattage from the remaining ports

# Power Banks



- Power Banks are portable batteries that can be used to charge your devices
- They are rated in milliAmp hours (mAh) and can often be used to charge multiple devices simultaneously
- Typically, smaller power banks for cell phones have a capacity of around 3,000 to 5,000 mAh, and larger units can reach 10,000, 20,000 mAh, or more
- The iPhone 14 (depending on the model) battery capacity ranges from 3,279 mAh to 4,325 mAh

# Power Banks



- Power Banks can have multiple ports
- Some ports may just be for charging the Power Bank and can't be used for charging other devices (typically a USB C port), so check that the USB-C port is both “in” and “out”
- To size a Power Bank, determine what you need to charge
- iPhone up to 4,323 mAh, iPad - 7,500 mAh, Apple Watch 300 mAh
- Example: Charging an iPhone and Apple Watch from 0-100% would require 4,600 mAh, so a 10,000 mAh power bank would charge them about 2X's

# Power Banks

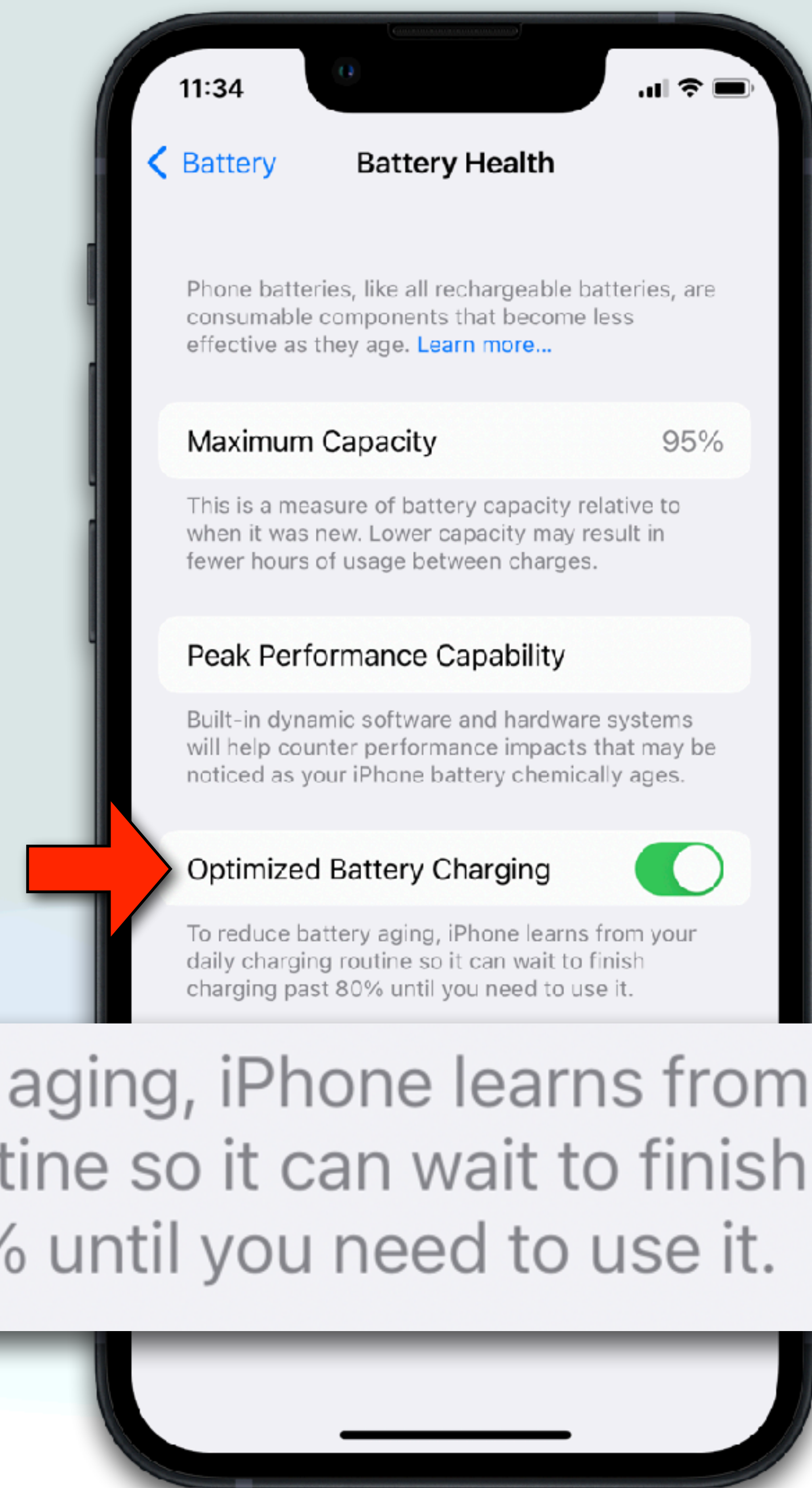


- I recently bought a 2-Pack of AsperX 15,000 mAh Power Banks for \$24
- They have 4 ports: 2 USB-A(out), 1 USB-C(in/out), and 1 microUSB(in)
- I plan to use these on an upcoming cruise to be able to charge my iPhone and Apple Watch overnight on our night stands
- I can't take extension cords on the cruise, and I don't know where the wall plugs will be
- My plan is to charge the Power Banks during the day and use them to charge my devices at night

# Optimized Charging

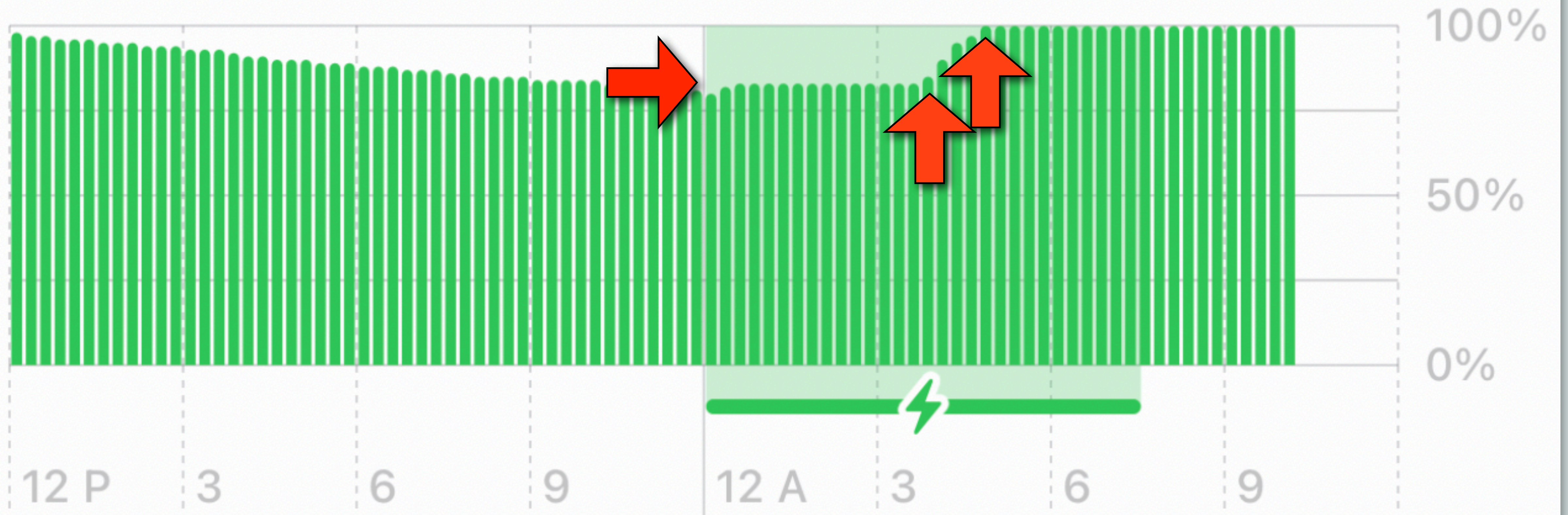


- Leaving the battery charged to 100% is not good for longterm battery health, and because of this your iOS devices use Optimized Battery Charging
- The iPhone learns your charging habits and adjusts how the device is charged to optimize battery life
- It will fast charge to 80% when plugged in, but it will then keep the battery at a trickle charge until it is closer to your daily wake-up time before taking the battery to 100%



To reduce battery aging, iPhone learns from your daily charging routine so it can wait to finish charging past 80% until you need to use it.

# BATTERY LEVEL



# Watch Charging





- Your Apple Watch also has "Optimized Battery Charging" which works like the iPhone feature
- However, you can manually charge your Apple Watch to 100% whenever you want and bypass Optimized charging
- All you have to do is tap your Apple Watch's display when it is charging, tap the circle with the green or yellow charging icon, and you will see "Charge to Full Now."



# Cruise Considerations



- To avoid roaming charges, turn on Airplane mode, but leave Bluetooth and WiFi on (so you can use the ship's apps, AirDrop, etc...), and cellular data off
- Our ship prohibits extension cords and surge protectors
- And since ships can have limited electrical outlets, consider an outlet extender
- I like to use my  Watch in night mode but can't be assured of having an electrical outlet near the night stand: Consider a power bank to charge  Watch and/or iPhone at night and then charge the power bank during the day

# Cruise Accessories



TESSAN Outlet Extender w/USB



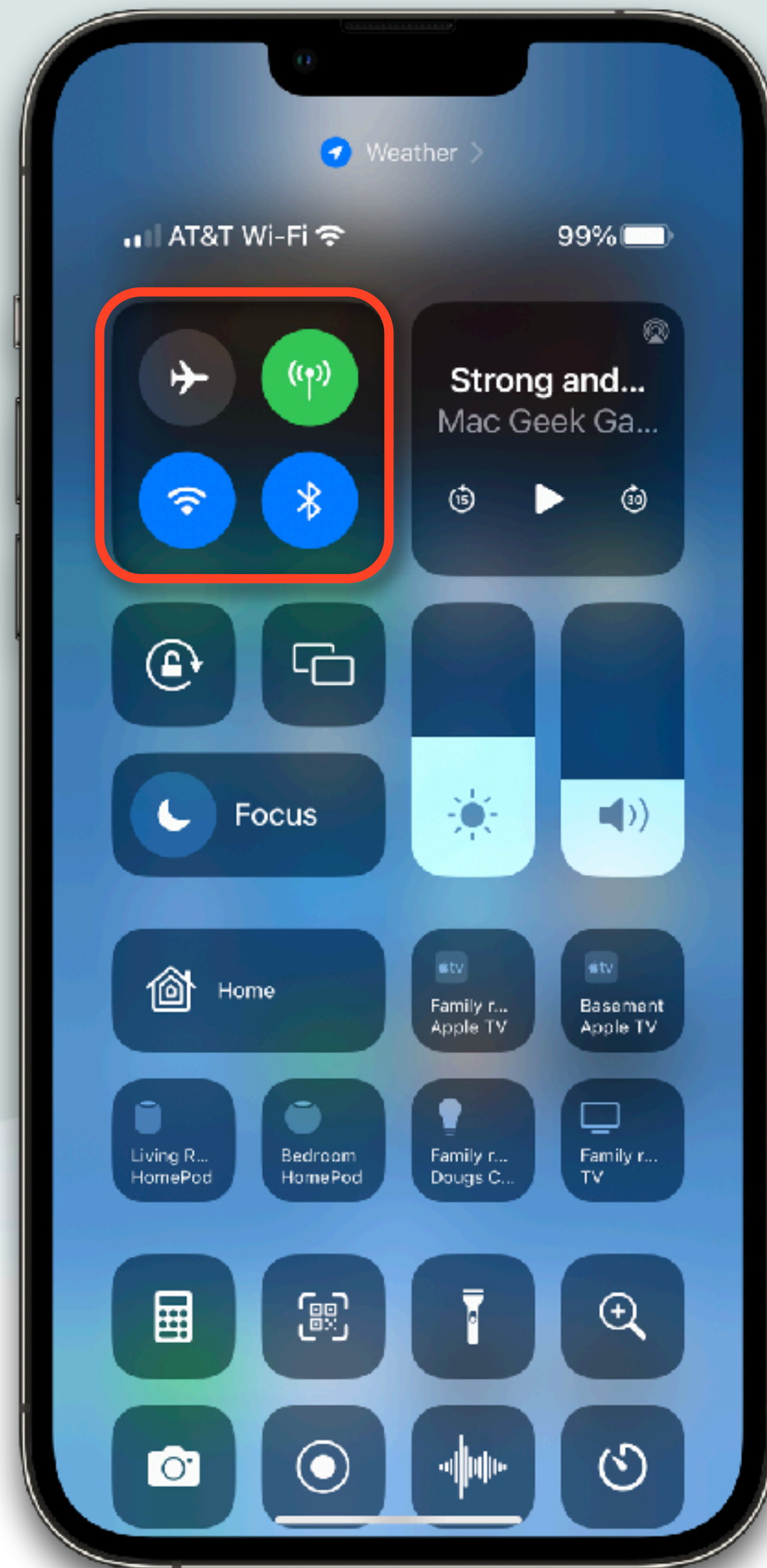
Spigen S350 🍏 Watch Stand



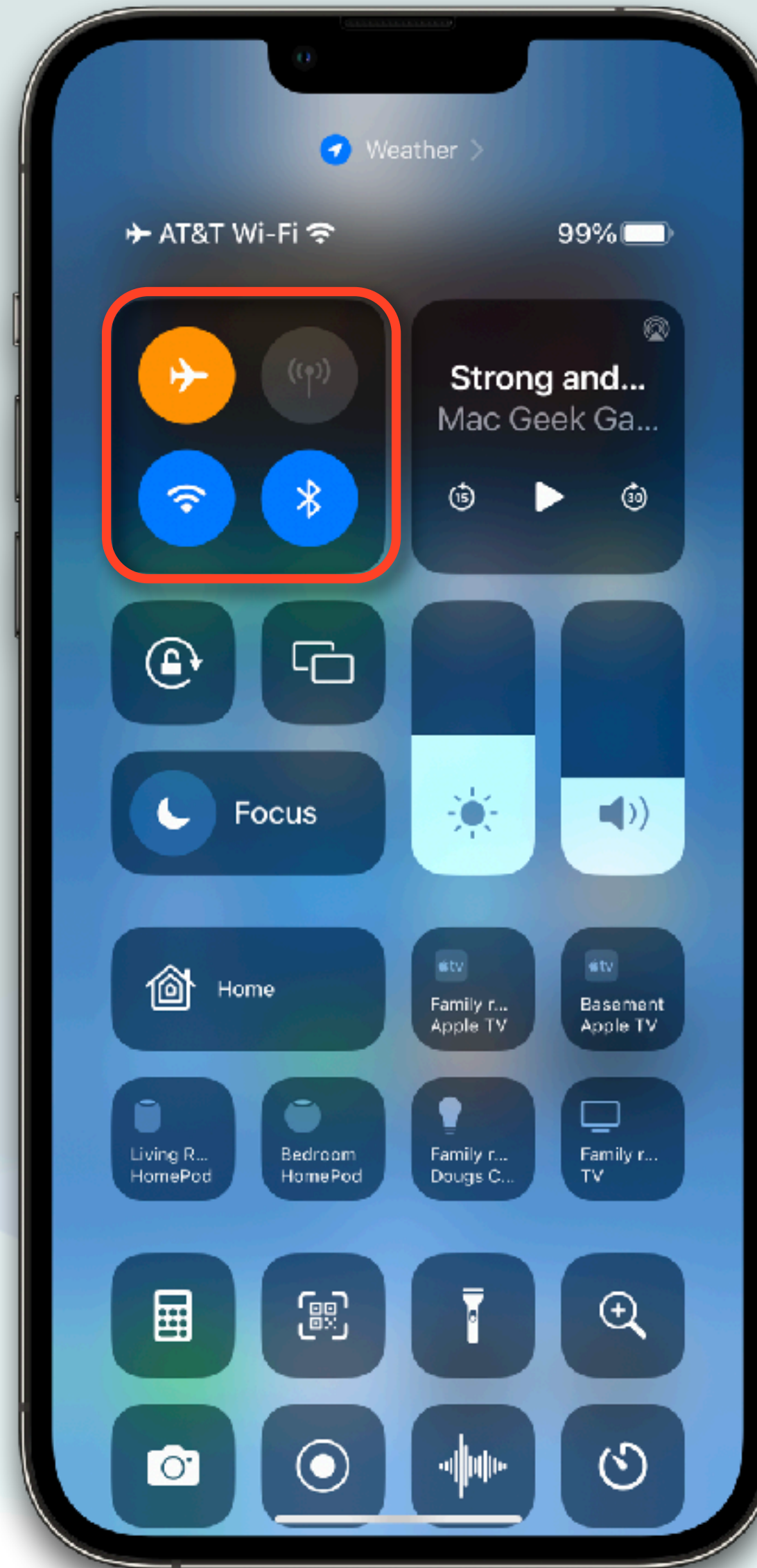
AsperX 15000mAh Power Bank

# Cruise Settings

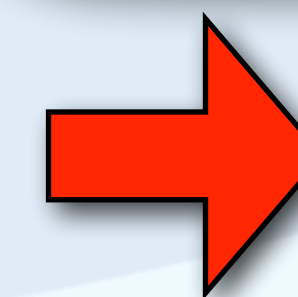
Control Center



Normal



Cruise



Airplay Mode On  
Cellular Data Off  
WiFi On  
Bluetooth On

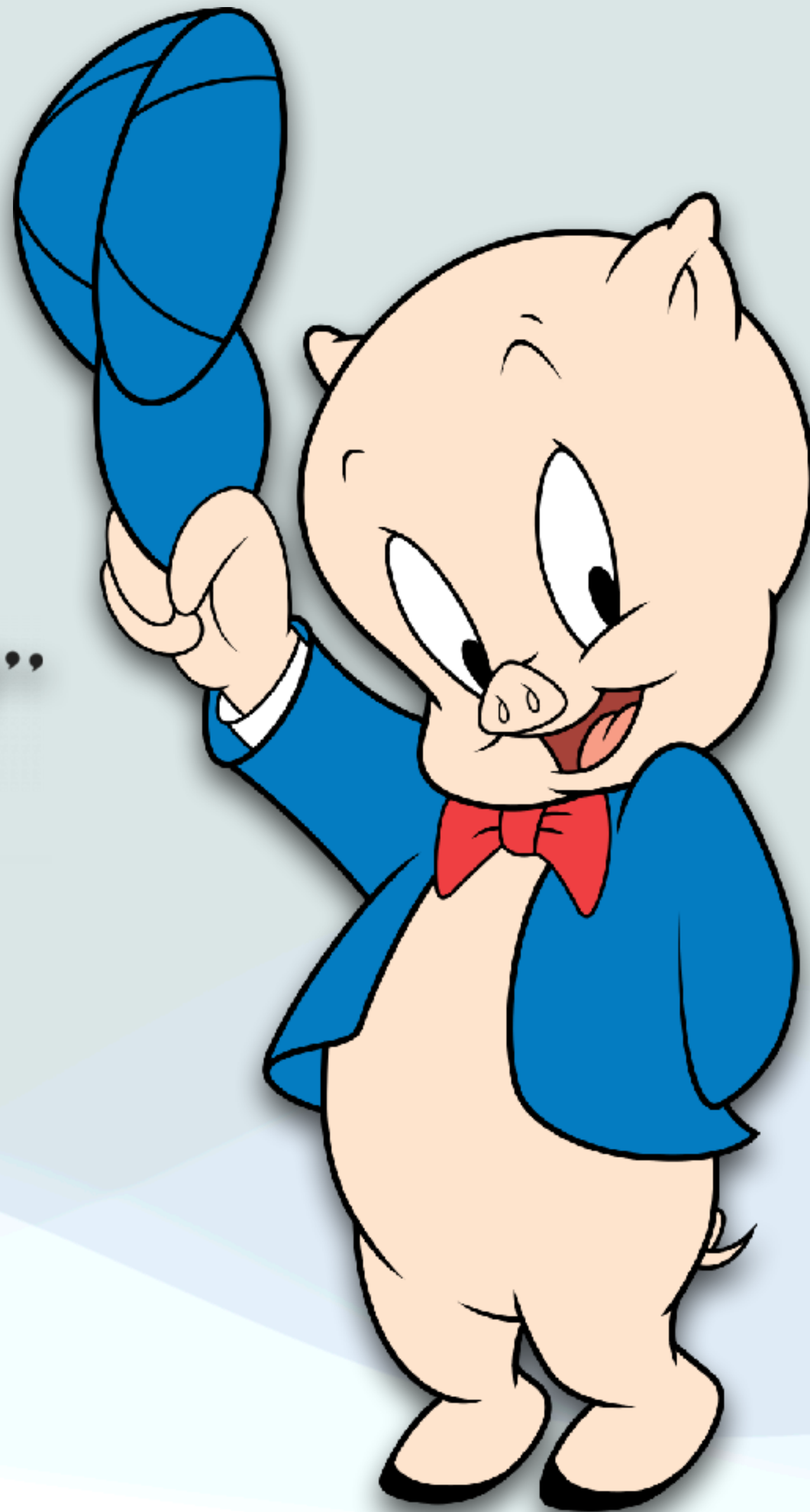
# Questions?





# Questions?

*"That's all Folks!"*



*Thank  
you!*