# Table of Contents

## Read Me First
Read Me First ............................................................... 4
- Updates and More .......................................................... 4
- Basics ............................................................................. 5
- What’s New in The Third Edition ........................................ 5

## Introduction
Introduction ........................................................................ 7

## Apple TV Quick Start
Apple TV Quick Start ........................................................ 8

## What Are Apple TV and iTunes?
What Are Apple TV and iTunes? .......................................... 9

## What’s New in tvOS
What’s New in tvOS .......................................................... 11

## Do You Still Need an Apple TV?
Do You Still Need an Apple TV? ........................................... 13
- Apple TV Pros vs. Other Platforms ................................... 13
- Apple TV Cons vs. Other Platforms .................................. 14
- Decide Which Apple TV to Buy .......................................... 15
- Decide Which TV to Buy ................................................... 15
- Decide on Audio .............................................................. 18

## Set Up Your Apple TV
Set Up Your Apple TV ....................................................... 20
- Make the Connections ...................................................... 20
- Tips for Setting Up Your Apple TV .................................... 22
- Restarting,Resetting, and Restoring ................................. 29

## Control Your Apple TV
Control Your Apple TV ..................................................... 30
- Meet the Siri Remote ....................................................... 31
- Control an Apple TV with Control Center .......................... 36
- Run the Apple TV Remote App ......................................... 40
- Use the Old Apple Remote ................................................. 44
- Use a Third-Party Remote ................................................ 45
- Use the Remote App on the Apple Watch .......................... 47
- Become an Apple TV Keyboard Jockey ............................ 48
- Pair a Game Controller with the Apple TV ....................... 49

## Learn Apple TV Basics
Learn Apple TV Basics ..................................................... 53
- Navigate the Home Screen ................................................ 53
- Reveal Control Center ....................................................... 57

Click here to buy the full 123-page “Take Control of Apple TV” for only $14.99!
Switch Between Apps .......................................................... 58
Install New Apps from the App Store ................................... 59
Manage Apple TV Storage .................................................. 62
Search with Siri ............................................................... 63

Master AirPlay ................................................................... 68
Set Up AirPlay on Apple TV ................................................ 68
Run a Conference Room Display ...................................... 69
AirPlay from an iPhone or iPad ........................................ 71
AirPlay from a Mac .......................................................... 76
Send Audio from an Apple TV .......................................... 81

Decipher the Apple TV App .............................................. 84
Browse Apple TV for Content .......................................... 85
Buy, Rent, or Stream ....................................................... 86
Keep Up with Up Next .................................................... 88
Manage Subscription Services ........................................... 89
Keep Up with Sports ........................................................ 90
Control Video Playback .................................................... 91

Listen to Music and Podcasts .......................................... 97
Listen to Music ............................................................... 97
Tune in to Podcasts ........................................................ 103

View Your Photos and Home Movies .............................. 106
Get Around the Photos App .......................................... 106
Customize the Screen Saver ............................................. 112

Play Content from a Computer ....................................... 115
Enable Home Sharing ....................................................... 115
Share Music and Video with the Apple TV ....................... 116
View Photos and Home Movies with Home Sharing .......... 118

About This Book ............................................................. 120
Ebook Extras ................................................................. 120
About the Author ............................................................ 121
About the Publisher ........................................................ 121

Copyright and Fine Print .................................................. 123
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This book is your guide to the Apple TV HD and Apple TV 4K, covering topics like selecting a TV, controlling your Apple TV, using the Apple TV app, and even customizing your screen saver. It also covers the Apple TV app and AirPlay, even for those who don’t own physical Apple TV hardware.

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Updates and More

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Basics

Although this book is mostly about the Apple TV, some of it describes interactions between an Apple TV and a computer. In a few cases, such as the topic about ripping DVDs, I assume you have a Mac. My Mac descriptions have been tested in macOS 10.14 Mojave and 10.15 Catalina. For the most part, they’ll work fine in other versions, and in some cases I’ve called out special details about older versions. However, the older your operating system, the less likely that it will match everything in this book.

Windows Tip: iTunes in Windows works nearly identically to iTunes on the Mac. The main exception? To open the iTunes preferences in Windows, choose Edit > Preferences.

Some of my discussions of Apple TV content are based on what’s available in the United States. The content on offer may differ in your country, but otherwise, the information in this book should be applicable worldwide.

What’s New in The Third Edition

This new version of Take Control of Apple TV has been completely overhauled to reflect the media landscape in 2020, including tvOS 13 and the availability of the Apple TV app outside of the Apple ecosystem. While much of the book is new, here are some highlights:

- In Do You Still Need an Apple TV?, I tackle the somewhat existential question of whether you even need an Apple TV box, given that AirPlay and the Apple TV app are available on so many other TV platforms now.

- In Control Your Apple TV, I’ve added new sections: Control an Apple TV with Control Center, Control Apple TV Media from Control Center and Lock Screen, Pair a Game Controller with the Apple TV, and Control Your Apple TV with Shortcuts.
• I explain how to use the Control Center, introduced in tvOS 13. See Reveal Control Center.

• You can now AirPlay Media with Siri, which I explain in the Master AirPlay chapter.

• There is a new chapter—Decipher the Apple TV App—that documents Apple’s Apple TV app.

• There’s a new chapter, Play Content from a Computer, that centralizes instructions for viewing media from a Mac or Windows PC on your Apple TV.

• I’ve removed coverage of ripping CDs, DVDs, and Blu-ray discs. These sections took extensive work to maintain, and the market is moving away from physical media. However, I do offer tips for ripping movies in Share Music and Video with the Apple TV.

• I’ve also removed details about setting up Plex, since both the server and client change regularly, and keeping that text up to date proved to be an impossible task.
Introduction

The nature of television has changed dramatically since I first wrote *Take Control of Apple TV* back in 2014, which was not only my first Take Control title, but the first book I had written.

Streaming has largely supplanted traditional TV, with seemingly every large company offering its own streaming service, even Apple. Very few of us store video on our computers anymore, much less rip, mix, or burn physical media.

Even the future of the Apple TV hardware is up in the air. AirPlay and the Apple TV app have arrived on other smart TV platforms, and the Movies Anywhere service has largely eliminated digital lock-in of your movie library. Whereas built-in TV software used to be terrible, it’s now largely pretty good, privacy concerns notwithstanding.

What’s the future of Apple TV? I’m not sure even Apple knows. With the introduction of the fourth-generation Apple TV (now known as Apple TV HD), CEO Tim Cook claimed that the future of TV is apps. That’s true in a sense—every media and tech company has its own streaming service that comes with its own app, but apps as a category haven’t made the Apple TV hardware a smash hit.

I’ve wanted to completely overhaul this book for years, but dragged my feet, largely due to the work required, but also because of the unclear direction of the Apple TV platform. I finally decided that it had been long enough, and ripped off the proverbial bandage, deleting sections that I felt were either too hard to maintain or were less relevant, and reorganizing the book both to align better with the realities of 2020 and with the wisdom gained after years of writing and revising Take Control books.
You don’t want to read a book—you want to watch TV and movies, listen to music, view photos, and play games! I’ve broken this book into bite-sized chunks, so you can find what you need quickly.

**You’re in the market for a new TV:**
- I offer information to help you Decide Which TV to Buy and Decide on Audio.
- Ask: Do You Still Need an Apple TV?

**You don’t own an Apple TV box, but have a TV or other devices that support the TV app and/or AirPlay:**
- Find out how to Master AirPlay so you can send content to your TV.
- Read Decipher the Apple TV App, which mainly focuses on the Apple TV version, but also largely applies to other platforms.

**You’re new to the Apple TV hardware:**
- Plug it in, take note of what the different ports are designed for, and get started with Set Up Your Apple TV.
- Become familiar with the Siri Remote and all the other ways to Control Your Apple TV.
- Learn the basics of the Apple TV interface in Learn Apple TV Basics.

**Once you have the basics of the Apple TV hardware:**
- Be sure to Master AirPlay so that you can beam the display of your Mac, iPad, iPhone, or iPod touch to your TV.
- Learn how to Decipher the Apple TV App.
- Find out how to Listen to Music and Podcasts.
- Use your Apple TV to View Your Photos and Home Movies.
- Skip the cloud and Play Content from a Computer.
What Are Apple TV and iTunes?

One of the challenges in revising this book has been defining exactly what Apple TV is. That used to be simple: the Apple TV was, and still is, an Apple-designed box that you connect to your TV to expand its capabilities. It also used to be the only way to view iTunes content on your TV, and the only way to receive AirPlay content on your TV.

These days, Apple TV can refer to a few different products:

• The physical Apple TV hardware—the Apple TV HD and Apple TV 4K. There were three generations of Apple TV hardware prior to this, which I do not cover in this edition. The Apple TV hardware runs an operating system called tvOS, which is largely the focus of this book.

• The Apple TV app, which is available on the Apple TV hardware, in macOS 10.15 Catalina, iOS, iPadOS, and on many popular streaming platforms. I cover this app in Decipher the Apple TV App.

• Apple TV Channels, a subset of the Apple TV app, which lets you subscribe to various add-on video services. Again, I touch on this in Decipher the Apple TV App.

• Apple TV+, which is a streaming service offered by Apple that competes with services like Netflix and Disney+. (See the sidebar About Apple TV+ and Apple TV Channels.)

This entire naming scheme is best described as *Pythonesque*, reminiscent of the Monty Python sketch where every member of an Australian philosophy department is named Bruce, and they ask a new member if they can call also him Bruce “just to keep things clear.”

Throughout this book, when I refer to Apple TV, I’m usually talking about the hardware product, and I try to make it clear when I’m
instead talking about the Apple TV app, Apple TV Channels, or Apple TV+.

The same sort of existential crisis also applies to the iTunes brand. Apple’s monolithic media app grew increasingly bloated throughout the years until the company finally split it into three apps in macOS 10.15 Catalina: Apple TV, Music, and Podcasts (plus the Books app for audiobooks).

But iTunes isn’t quite dead yet! iTunes, the monolithic media app, still exists on Windows and in older versions of macOS. To add more confusion, the iTunes Store is still a thing, so you might buy a track from the iTunes Store in the Music app, and there is an iTunes app for iOS to buy things from the iTunes Store. The Apple TV app still ships with apps for iTunes Movies and iTunes TV Shows. Additionally, the iTunes Match service still exists, despite the existence of Apple Music.

It remains to be seen whether Apple will continue to use the iTunes brand in the future, but while iTunes is in flux, the Apple TV interface might mention your iTunes Library or the iTunes Store, even if you don’t own a computer running an app called iTunes.
What’s New in tvOS

The Apple TV box runs an operating system called tvOS. The second edition of this book covered up to tvOS 11, while this edition covers tvOS 13.

**Tip:** To see which version of tvOS your Apple TV is running, go to Settings > General > About, and view the version number on the tvOS line; to upgrade, go to Settings > System > Software Updates.

Here’s what’s new in tvOS 13:

- **Aerial screen saver:** tvOS 13 added a variety of underwater screen savers. See Customize the Screen Saver.

- **Apple Music karaoke:** When playing Apple Music tracks, the Music app shows lyrics synced with the music. See Listen to Music.

- **Control Center:** tvOS 13 added an iOS-like Control Center. See Reveal Control Center.

- **Dynamic Top Shelf:** Apps, like Apple TV and Music, can show video previews (ads, if we’re being honest) of content. See Navigate the Home Screen.

- **Gaming:** The Apple TV supports the Apple Arcade service (see Install New Apps from the App Store) and now works with Xbox One and PlayStation 4 controllers (see Pair a Game Controller with the Apple TV).

- **Multi-user support:** Some apps, like Apple TV and Music, support multiple iCloud user accounts. See Manage Users.

- **Picture in Picture:** You can watch two videos at once in the Apple TV app. See Watch Video Picture in Picture.
And here’s what was new in tvOS 12:

- **Aerial screen saver**: tvOS 12 added Aerial screen savers from space. See Customize the Screen Saver.

- **Apple TV app**: The TV app was rebranded as the Apple TV app. See Decipher the Apple TV App.

- **Autofill passwords**: You can enter text on an Apple TV from an iPhone or iPad, including autofilling passwords. See Enter Text from iOS and iPadOS.

- **Control Center remote**: iOS and iPadOS now have an Apple TV remote built in to Control Center. See Control an Apple TV with Control Center.

- **Dolby Atmos**: The Apple TV now supports Dolby Atmos audio, if you have a sound system that supports it. See Decide on Audio.

- **Find My iPhone**: You can ask Siri on tvOS to find your iPhone. For more Siri commands, see Search with Siri.

- **Siri control**: Siri on iOS and iPadOS can control an Apple TV. See AirPlay Media with Siri.
Do You Still Need an Apple TV?

For years, if you wanted Apple content on your TV, your only option was to buy an Apple TV box (unless you wanted to connect a Mac mini to your TV). That’s changed recently; Apple now allows other TV platforms to integrate Apple technologies:

- **AirPlay 2**: Select TV sets from LG, Samsung, Sony, and Vizio support AirPlay 2, which lets you turn the TV on and off, switch inputs from the Home app, and beam content to the TV from Apple devices. See Master AirPlay.

- **Apple TV app**: The Apple TV app is no longer limited to just Apple’s devices. It can now be found on Amazon Fire TV, Roku, and select Samsung TVs. It’s also due on select TVs from LG, Sony, and Vizio in 2020. However, the Apple TV app on other platforms doesn’t integrate with third-party apps; it only tracks TV shows and movies from the iTunes Store, Apple TV+, and Apple TV Channels. See Decipher the Apple TV App.

With Apple playback integrated into so many platforms, is it still worth spending $149 or more on an Apple TV box in 2020? Let’s look at the pros and cons.

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### Apple TV Pros vs. Other Platforms

Why would you still want to spend (relatively) big bucks on an Apple TV? Here are a few good reasons:

- **Gaming and other apps**: tvOS supports a nice library of games and other various applications that you won’t find on other TV platforms. It’s also the exclusive living room home of the Apple Arcade service, which gives you access to a large library of games for
$4.99 per month. The Apple TV can also support a variety of game controllers. See Pair a Game Controller with the Apple TV.

- **Integration:** As of early 2020, only Samsung has both the Apple TV app and AirPlay 2. The Apple TV hardware has both, plus it has built-in functionality for streaming from a Mac or a PC, running the iTunes app or the suite of Apple TV, Music, and Podcasts, along with support for the iOS and iPadOS remote apps, and more.

- **Picture and audio quality:** The Apple TV box can be set to match the content’s original formatting, which is a huge plus for cinema buffs. Plus it supports advanced features like Dolby Atmos.

- **Privacy:** It’s incredible how cheap TVs are these days, and there’s a good reason for that: they spy on everything you watch. Your viewing habits, browsing behaviors, and even when and how often you pause are analyzed and sold to the highest bidder. The upside is that it allows manufacturers to sell high-quality sets at rock-bottom prices, but in return Big Brother watches you. It’s at the point that the US Federal Bureau of Investigation has warned about it. Apple isn’t perfect on privacy, but they do advertise better privacy policies than the competition. Plug in an Apple TV box, cut off Internet access to your smart TV, and you’ll be that much more private.

---

### Apple TV Cons vs. Other Platforms

Now let’s look at the disadvantages of the Apple TV hardware:

- **Cost:** The Apple TV starts at $149, but realistically you’re going to want to spend the extra $20 to get the Apple TV 4K. It can be hard to justify spending close to $200 to watch the same content that a $35 Fire Stick can handle—privacy and somewhat finer image quality be damned.

- **It can be buggy:** Apple’s software quality has been on the decline for a few years, and that’s no different with tvOS. What used to be a rock-solid platform can now sometimes be frustrating.
Set Up Your Apple TV

The Apple TV hardware is simple to set up; just connect the proper cables and follow the onscreen instructions. But if you own an iOS or iPadOS device, you can make that setup even easier by simply turning on your Apple TV and touching it with your device!

In this chapter, I offer advice on what to do if you own an older TV or receiver without HDMI inputs, the best places to buy an HDMI cable, whether to use a wired or wireless internet connection, and the settings you’ll want to look at right away.

Make the Connections

Before you can do anything with the Apple TV, you have to connect it to your television and to your network, as well as to power. Let’s look at the ports on the back of your Apple TV (Figure 1).

![Figure 1: Apple TV HD ports, from left to right: power, USB-C, HDMI, and 10/100 Ethernet. The Apple TV 4K lacks the USB-C port.](image)

Dude, Where’s My Optical Audio Port?

Many people who rely on optical audio (also known as S/SPDIF or TOSLINK) connections to send digital audio to their sound equipment were disappointed to learn that the Apple TVs HD and 4K don’t include an optical audio port. To work around this limitation, you can either route audio through your TV or use a device like the ViewHD HDMI Audio Extractor to extract an optical audio signal from the HDMI connection.
Here are what the ports on the back of the Apple TV do:

- **~ (Power):** Without electricity, the Apple TV is merely an attractive paperweight. Read through this chapter before plugging it in, as the Apple TV powers on right away. Insert one end of the included power cable into this port and connect the other end to a power outlet.

- **USB-C:** This port is only on the Apple TV HD, not the Apple TV 4K, and you will probably never have to touch it, as it’s needed only if you have to restore your Apple TV (described in Restarting, Resetting, and Restoring) or install developer betas. However, all of those functions can be performed wirelessly now.

- **HDMI:** HDMI transmits both audio and video from your Apple TV to your television or receiver. Unfortunately, Apple doesn’t include an HDMI cable, but the upside of that fact is that you can pick the length (and color) that will work best with your setup. After you track down an HDMI cable, connect one end of it to the Apple TV and the other end to your television set or receiver (the connectors are the same on both ends).

  **Tip:** Brick-and-mortar retailers sell HDMI cables at exorbitant markups. Online retailers like Amazon and Monoprice offer high-quality cables for under $10. Make sure you buy “high speed” cables that support 4K video and HDR.

- **Ethernet:** If you want to connect the Apple TV to your network via Ethernet instead of using a wireless Wi-Fi connection, connect the Ethernet cable here. (If you don’t know how to connect your Apple TV to your network with Ethernet, it’s fine to use a Wi-Fi connection; if that’s the case, skip this topic.)

  If you own an Apple TV 4K, Ethernet is the ideal way to connect it to the local network, since it has a Gigabit Ethernet port, and a wired connection is almost always more reliable than Wi-Fi. However, the Apple TV HD tops out at 100 Mbps, so Wi-Fi might actually be faster! If you use an Ethernet connection, I recommend also setting up a Wi-Fi connection as a backup.
Control Your Apple TV

The Siri Remote (called the Apple TV Remote in some regions) is simple, yet highly advanced. It’s used to navigate the Apple TV’s interface, summon Siri, play games, and even to control your home entertainment center. I explain how to use it in the pages that follow.

However, the Siri Remote is easy to hate. It’s thin, which makes it easy to lose and hard to grip. The touch surface can be finicky and overly sensitive. Bluetooth connectivity, which is more reliable than infrared, can be a curse instead of a blessing. Because of these factors, I will also look at other remote options in these topics:

- **Control an Apple TV with Control Center** explains how to use a shortcut in iOS’s Control Center to operate your Apple TV.

- **Run the Apple TV Remote App** discusses the Apple TV Remote app. Designed for the fourth-generation Apple TV and Apple TV 4K, this app is optimized for the iPhone and iPod touch. It can do nearly anything the Siri Remote can do, plus its software keyboard eases password entry.

- **Use the Old Apple Remote** describes how to use the older Apple remote that came with some older Macs or with an older Apple TV.

- **Use a Third-Party Remote** talks about mapping pretty much any remote to an Apple TV.

- **Use the Remote App on the Apple Watch** explains how to control your Apple TV from your wrist.

- **Become an Apple TV Keyboard Jockey** covers connecting a wireless keyboard to your Apple TV.

- **Pair a Game Controller with the Apple TV** explains how to better enjoy games on the Apple TV.

- **Control Your Apple TV with Shortcuts** gives tips on automating your Apple TV.
Meet the Siri Remote

Let’s take a look at each button on the Siri Remote (Figure 4).

![Siri Remote diagram]

**Figure 4:** The Siri Remote has a: touch surface (I call the touchpad), Menu button, Home button, Siri button, Play/Pause, Volume Up, and Volume Down.

Here’s what you can do with each button on the remote:

- **Touch surface (or touchpad):** Swipe up, down, left, or right to move the highlight. If you find swiping to be too fiddly, you can tap in the direction you want to move instead. To select the highlighted item, click the touchpad.

  **Tip:** You can adjust the touchpad’s sensitivity in Settings > Remotes and Devices > Touch Surface Tracking. I find that setting it to Fast makes it more responsive and less frustrating.
Learn Apple TV Basics

Now that you’ve completed the basic setup for your Apple TV hardware, it’s time to learn how to handle your Home screen, learn about built-in apps, how to install and delete apps, and Search with Siri.

Navigate the Home Screen

Apple would rather steer you toward the Apple TV app, but to access individual streaming services, view your photos, listen to music, or play games on the Apple TV, you have to go to the traditional Home screen, which you can reach in one of three ways:

- Press the Home button in the TV app
- Press and hold the Menu button
- Select Settings > Remotes and Devices > Home Button to change it from Apple TV App to Home Screen, then press the Home button anywhere to go to the Home screen

**Tip:** While browsing the Home screen, you can jump back to the first icon by pressing Menu.

Although it’s easy to get around the Apple TV Home screen by swiping on the touchpad, I want to bring to your attention a few subtle aspects of how it works:

- **Top Shelf:** At the top of the Home screen, above the app icons, is the Top Shelf. What appears in Top Shelf changes depending on which app you’ve selected in the top row of app icons (such as Apple TV in Figure 20).
Figure 20: The Top Shelf of the Home screen displays app shortcuts for the selected app below, such as the Apple TV app in this image. The arrow at the top (red circle) indicates that you can swipe up to see more.

With apps such as Apple TV and Apple Music, you can swipe up on the app icon to enter the Top Shelf, and swipe right and left to quickly access content. But with some apps, such as the Settings app, the App Shortcuts area displays just a single image. Keep that in mind when deciding which apps to place in the top row.

- **Move an app**: To move an icon, select it and then press and hold the touchpad until the icon shakes. Swipe the touchpad to move the icon, and press the touchpad to set it in place.

- **Delete an app**: Select the app's icon and press and hold the touchpad until the icon shakes. Press Play/Pause to bring up an action menu and choose Delete. *You can’t delete the built-in apps.*

- **Keep it quiet**: If the sound bothers you as you scroll through the menus and apps, turn it off by going to Settings > Video and Audio and choosing Navigation Clicks.

- **Make a folder**: Highlight an app icon, and press and hold the touchpad until the icon shakes. Either use the touchpad to move the icon over another icon to form a folder or press Play/Pause and choose New Folder. Press Menu to set the app in place.
AirPlay lets you wirelessly link together media playback on your Apple devices all over your house. You can use it to:

- Send video from an iPhone or iPad to a TV
- Send audio from an iPhone, iPad, or Apple TV to an Apple TV, HomePod, or other AirPlay 2 speaker
- Mirror an iPhone, iPad, or Mac display to a TV
- Extend your Mac’s display

**Note:** If you don’t own an Apple TV box, you can skip down to AirPlay from an iPhone or iPad.

### Set Up AirPlay on Apple TV

AirPlay should be set up alongside the Apple TV, but there are a few settings you can check in Settings > AirPlay and HomeKit:

- **AirPlay:** Is this thing on? Because if it’s not, you can’t AirPlay to the Apple TV.

- **Room:** AirPlay is now part of the HomeKit framework, which means that you need to tell the Apple TV which room it’s in. If you have more than one Apple TV, this helps distinguish them, and lets you do things like tell Siri to play a movie in the living room (see AirPlay Media with Siri).

- **Play Purchases from iCloud:** When this is set to on, when you AirPlay a movie or TV show that you’ve purchased from Apple to the Apple TV, it will stream the movie directly from iCloud instead of your iPhone, iPad, or Mac. I recommend keeping this on for reliability. However, if you have a bad Internet connection at home, you might be better served turning this setting off, downloading the
movie to your iPhone, iPad, or Mac, and then AirPlaying it from your device to the Apple TV directly.

• **Allow Access:** The first time any device AirPlays to an Apple TV, you must input an onscreen code from the Apple TV on the device. But you can add more security to AirPlay to keep nearby neighbors, children, and annoying house guests from hijacking your TV. You can set AirPlay access to:
  
  ‣ *Everyone:* Wide open, no restrictions.
  
  ‣ *Anyone on the Same Network:* Whoever is on the same Wi-Fi network as the Apple TV.
  
  ‣ *Only People Sharing This Home:* With this set, only the iCloud users set up to share your HomeKit home can AirPlay to the Apple TV. See [Manage Users](#).

Since the risk level is fairly low, I recommend starting with Everyone and then ramping up as need be. Note that these settings apply for *every* Apple TV in your home.

You can also turn on Require Password to require a password every time someone tries to AirPlay to that Apple TV. I don’t recommend that except as a last resort.

If Anyone on the Same Network or Only People Sharing This Home are enabled, there an additional setting appears—Also Allow Nearby to AirPlay—which lets people AirPlay to the Apple TV without going through the Wi-Fi network. Again, I recommend keeping AirPlay set to Everyone unless the Apple TV is in a public area or you have problems that necessitate additional security.

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## Run a Conference Room Display

What if you’re running a session where you want the participants to display stuff on the Apple TV, or you want to set up an Apple TV in a conference room so different groups can freely use it for AirPlay?
Decipher the Apple TV App

Apple’s Apple TV app on the Apple TV (say that five times fast) is intended to be your portal to all of your video content on the Apple TV. The Apple TV app is also available outside the Apple TV: on multiple smart TV platforms, macOS 10.15 Catalina, iOS, and iPadOS.

The Apple TV app for tvOS, iOS, and iPadOS also integrates content from third-party streaming services (with the notable exception of Netflix), and helps you track sporting events (see Keep Up with Sports).

About Apple TV+ and Apple TV Channels

A recent development in the Apple TV world is the introduction of Apple TV Channels, which are additional video services that you can subscribe to inside the Apple TV app. They offer a few advantages over subscribing through third-party apps:

✦ Simply install the Apple TV app on any available platform, log in, and all of your channels are available
✦ No need to create an additional login or add payment information, since Apple handles it
✦ No additional apps are required
✦ You can download content for offline viewing on an iPhone or iPad
✦ Your subscriptions are shared with your Family Sharing circle

In the United States, Apple TV Channels include favorites like HBO and Showtime, as well as more niche channels like CuriosityStream and History Vault. But the most prominent is Apple TV+, which is Apple’s own streaming service.
Browse Apple TV for Content

The Apple TV app has four screens for browsing content (not counting sports, which I cover in Keep Up with Sports):

- **Watch Now:** The Watch Now screen is arguably the most important. Here are a few highlights:
  - *Up Next:* Here you can manage your viewing list, including the next episodes of shows you watch and newly purchased content. See Keep Up with Up Next.
  
  **Note:** The contents of the Apple TV app, including your Up Next list, will vary depending on which user is currently active. See Manage Users.
  
  - *Apple TV Channels:* Buried inside the Watch Now screen (also the TV Shows screen) is a horizontal list of all the available Apple TV channels (Figure 43). Select one to see details about that channel or to view the channel’s content if you’re subscribed to it. Otherwise, your channel’s available programs are scattered throughout the Watch Now screen.
  
  ![Available Apple TV Channels](Figure 43: There are a number of Apple TV Channels available (at least in the United States), but unfortunately they’re buried in the Watch Now screen.)

  - *News:* Also buried in the Watch Now screen is News, which is just a horizontal list of shortcuts to external news apps.
  
  - *Recently Watched:* At the very bottom of Watch Now is a horizontal list of what’s been watched recently in the Apple TV app.

- **Movies:** Here you can browse movies for sale and rent, as well as see featured movies on your streaming services.
Listen to Music and Podcasts

The Apple TV hardware isn’t just a great device for watching movies and TV—it’s also a fantastic hub for audio. While AirPlaying audio to the Apple TV often makes the most sense, the Apple TV has built-in apps for music and podcasts.

The Music app is built around the Apple Music streaming service, which provides access to tens-of-millions of songs and syncs your music among your devices through iCloud Music Library.

The Music app can also play tracks purchased from Apple, synced with iTunes Match, and streamed from the free Beats 1 radio station, but some features won’t work as I describe or as you might expect.

About Apple Music and iTunes Match

Apple Music syncs your music library with the cloud and provides access to millions of songs. It costs $9.99 per month for an individual or $14.99 for a family. iTunes Match costs $24.99 per year, and it stores your music on Apple’s servers—either by matching your tracks to what’s in the iTunes Store, or uploading unrecognized tracks.

Listen to Music

Let’s look at how to find and play music in the Music app, accessible from the Home screen.

Discover Apple Music

The Music app offers three screens to find music on Apple Music:

- **For You**: The For You screen contains an assortment of albums and playlists that Apple thinks you’ll like, based on your listening
history and what you’ve marked as loved. This screen also tracks your recently played albums and playlists. At the top of this screen are three Apple Music playlists that are generated every week:

- **Favorites Mix:** This is a compilation of tracks Apple Music thinks you like, based on what you’ve marked as loved and your play history.

- **Chill Mix:** Your weekly Chill Mix also mixes up tracks that you like, but with an emphasis on relaxing music. This is a good general-purpose playlist to put on in the background.

- **New Music Mix:** Every week, the New Music Mix serves up a selection of new music, somewhat aligned to your taste.

- **Browse:** This screen offers newly released and popular albums, music videos, playlists, and songs, irrespective of your preferences.

- **Videos:** Here you can find a variety of music videos. Videos in the Music app work just like music tracks, but with video. For instance, while most videos stop playing entirely when you leave the app, music videos will continue playing in the background. Music videos are also available in playlists and added to your Now Playing Queue.

If you know the name of a tune, album, playlist, or artist, you can also use the search screen to find it. As you enter text, search suggestions appear below the keyboard in two views: All Apple Music, which displays everything available on Apple Music, and Library, which displays only what’s in your library.

**Navigate Albums and Playlists**

If you choose an individual track, it will play instantly, but most of the time Apple Music content is presented in an album or playlist. Choose one of those to see a detail view (**Figure 51**).
View Your Photos and Home Movies

Nothing says “Party!” like 700 vacation photos. All kidding aside, the Apple TV’s Photos app makes it easy to display your photos and home movies on your TV.

I also show you how to use your photos for Customize the Screen Saver.

**Note:** Refer back to View Photos and Videos with AirPlay to learn how to display photos and home movies from your iPhone or iPad to your Apple TV.

Get Around the Photos App

The Photos app displays photos from iCloud Photo Library and iCloud Shared Albums. Make sure you have both services turned on in Settings > Users and Accounts > iCloud.

The Photos app has four screens:

- **Photos:** This screen displays all your photos from iCloud Photo Library in a grid.

- **Memories:** Memories are automated collections of photos generated in Photos for iOS, iPadOS, and macOS and synced to your Apple TV through iCloud Photo Library. They’re based on photo attributes like date taken, location taken, and who or what is in the picture. Be sure to check Memories regularly, because more are added all the time (*Figure 54*).
Memories are based on date, location, and who or what is in the picture. Check them often, as Apple regularly updates them.

Open a Memory, and you see a collection of photos headlined by a slideshow of all the photos and videos in the Memory (Figure 55).

There are two options for viewing Memories: browsing photos as normal, or playing the header video at the top, which includes all the photos in that Memory.

Swipe down to reveal Places, which shows the Memory’s photos on a map, and Related, which exposes related Memories (Figure 56).
Play Content from a Computer

Apple heavily positions the Apple TV as a device to stream Internet content, especially from Apple’s own services, but the Apple TV can still stream content from a computer on a local network with the built-in Computers app.

Personally, I recommend the Plex media server, which has clients for iOS, iPadOS, tvOS, and most smart TV platforms. The Plex server can run on macOS, Windows, Linux, and many popular NAS platforms. You can throw pretty much any media type at it and it can transcode it to a format your Apple TV can play. Plex changes too much to reliably document in a book (I know, I’ve tried), but it’s pretty well documented.

Enable Home Sharing

Home Sharing is the technology Apple uses to share media between computers on a local network. Here’s how to enable it:

- **On the Apple TV:** Home Sharing should be enabled on the Apple TV from the get-go, but to make sure, go to Settings > Users and Accounts > Home Sharing. If it’s not enabled, choose Turn On Home Sharing and log in with your Apple ID password.

  Home Sharing is tied to your Apple ID, so you must be logged into the same Apple ID both on the Apple TV and the computer acting as a media server. If the Apple TV isn’t logged into your preferred Apple ID for Home Sharing, go to Settings > Users and Accounts > Home Sharing and choose Turn Off Home Sharing. Then choose Turn On Home Sharing and choose Use Another Apple ID.

  Note that user switching (see Manage Users) does not affect Home Sharing.
• **In iTunes**: iTunes is the official Apple media hub of Windows and macOS prior to 10.15 Catalina. To turn on Home Sharing in iTunes, choose File > Turn on Home Sharing. Enter your Apple ID password and click Turn On Home Sharing.

• **In System Preferences**: As of macOS 10.15 Catalina, Home Sharing is controlled from System Preferences. Go to System Preferences > Sharing and choose Media Sharing in the sidebar. Enter a library name and choose Home Sharing. Log in with your Apple ID to turn on Home Sharing.

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**Share Music and Video with the Apple TV**

To see what’s available to stream on your home network, open the Computers app from the Apple TV Home screen. If you only have one computer sharing on the network, it will automatically open to it, otherwise, you can pick a media library from the menu.

Note that the Computers app only shows content that is stored *locally* on that computer. It won’t show media that’s stored in iCloud but displayed locally. See Kirk McElhearn’s [*Take Control of macOS Media Apps*](https://www.tang Space.com/macOSApps.php) for a definitive guide to managing your macOS media libraries.

Outside of iCloud, here are quick tips on adding stuff to the media libraries you share:

• **Add music to iTunes and Music**: In the iTunes app, choose File > Add to Library. In Music, choose File > Import. Choose the music file or files to import or a folder full of music files and click Open.

  **Note**: For a full guide to ripping CDs so you can listen to them on your Apple TV, see Kirk McElhearn’s [*Take Control of macOS Media Apps*](https://www.tang Space.com/macOSApps.php).
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