

Apple TV

Sun Lakes Apple Users Group
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What is Apple TV?

- A device that delivers live and on-demand access to movies, TV shows, sports, your music and your photos right on your HDTV
- Enjoy a wide variety of entertainment including the latest content, games, apps, and more from iTunes, Apple Music, and the App Store for Apple TV.
- For more information, see the [Apple TV webpage](#). See also [AirPlay](#).

Apple TV

- Apple TV was first introduced in 2007 as a “hobby project”.
- Now, 12 years later, we have Version 4 which has evolved into a real product that does many things.
- It can be the central hub for entertainment.
- The actual Apple TV is just a small black box and the remote is very simple with 6 buttons and a touchpad.
- The Apple TV Box connects to your wifi and then via an HDMI cable to your TV.

Definitions

- **Cut The Cord**
- **Streaming**
- **Over the Air (Antenna)**
- **Apps**
- **Real Time Streaming TV**
- **HDMI (High Definition Multimedia Interface)**
- **TV Provider (Cable, Direct TV, Dish)**
- **Set Top Box**
- **Smart TV**
- **Streaming Boxes (Apple TV, Roku, Amazon Fire, Chromecast)**

Cut The Cord

- Cord cutting means that a TV viewer can cancel cable or satellite service and receive TV programs via different options.
- In some ways, we are going back in time to before cable, but in other ways we are leaving cable behind and moving on.













Streaming

- **Streaming** is a technology used to deliver content to TVs, computers, and mobile devices over the internet.
- **Streaming** transmits data, usually audio and video, as a continuous flow, which allows users to begin to watch or listen almost immediately.
- Recording shows becomes unnecessary
(in most cases)

Over the Air (Antenna)

⚠ WARNING: These results are only an estimate and every home is unique in terms of its terrain, obstacles, and installation details which will impact reception.

[🔗 Frequently Asked Questions](#)

TV Station	Network	OTA Channel	Location	Miles Away	Direction	Signal
● KTVK + 2 subchannels	INDEPENDENT	3	PHOENIX, AZ	13	NW	530 Mhz UHF 
● KPHO + 1 subchannel	CBS	5	PHOENIX, AZ	13	NW	488 Mhz UHF 
● KAET	PBS	8	PHOENIX, AZ	13	NW	180 Mhz VHF-HI 
● KSAZ + 3 subchannels	FOX	10	PHOENIX, AZ	13	NW	192 Mhz VHF-HI 
● KPNX + 3 subchannels	NBC	12	MESA, AZ	13	NW	204 Mhz VHF-HI 
● KNXV + 2 subchannels	ABC	15	PHOENIX, AZ	13	NW	476 Mhz UHF 
● KPAZ + 4 subchannels	INDEPENDENT	21	PHOENIX, AZ	13	NW	506 Mhz UHF 
● KTVW-DT	INDEPENDENT	33	PHOENIX, AZ	13	NW	584 Mhz UHF 
● KTAZ + 2 subchannels	INDEPENDENT	39	PHOENIX, AZ	13	NW	560 Mhz UHF 
● KUTP + 2 subchannels	INDEPENDENT	45	PHOENIX, AZ	13	NW	542 Mhz UHF 
● KPPX	INDEPENDENT	51	TOLLESON, AZ	13	NW	572 Mhz UHF 
● KASW + 3 subchannels	CW	61	PHOENIX, AZ	13	NW	548 Mhz UHF 

<https://nocable.org/availability-report/zip/85248-chandler-az>

Apps

- **Apple TV**, starting with Version 4, has its own App Store just like the iPhone, iPad, iWatch, and Mac
- Most apps are free to download but many require a subscription (i.e. Netflix, Hulu, DirectTV Now)
- Smart TVs may not be upgradeable with new apps



Total iOS Apps

iPad Apps

Apple Watch Apps

Apple TV Apps

Feb. 2019 -
2,200,000

March 2018 -
2,100,000

May 2017 -
2,200,000

June 2016 -
2,000,000

June 2015 -
1,500,000

Jan. 2015 -
1,400,000

Sept. 2014 -
1,300,000

June 2014 -
1,200,000

Oct. 2013 -
1,000,000

June 2013 -
900,000

March 2016 -
1,000,000

Jan. 2015 -
725,000

Oct. 2014 -
675,000

Oct. 2013 -
475,000

June 2013 -
375,000

Jan. 2013 -
300,000

Sept. 2012 -
250,000

June 2012 -
225,000

April 2012 -
200,000

Oct. 2011 -
140,000

July 2017 -
19,000

Sept. 2015 -
10,000

July 2015 -
8,500

June 2015 -
6,000

Oct. 2016 -
8,000

June 2016 -
6,000

March 2016 -
5,000

Ad



Real Time Streaming

- Real Time Streaming provides TV shows as they air
 - This is very similar to Cable or Satellite
 - Good for Sporting events and other Live events
 - The main difference is this requires just internet
- Top providers are:
 - DirectTV Now, Sling, YouTube TV
 - Antenna

HDMI Cable

- **High Definition MultiMedia Interface Cable**
- This is the new standard for connecting to TV
- Eliminates Coax, RCA Jacks, Audio Cables, ETC.
- One cable does it all

Old School TV Providers

- **Cable**
 - ◆ Orbitel, Cox
- **Direct TV, Dish Network**
 - ◆ Requires a roof top dish
- All require expensive rentals of a set top box for each TV
- Requires multiple remotes to navigate

Set Top Box

- **Old School Set Top Box**

- ❖ Anyone with Cable or Satellite will have set top box(es)

- **Streaming Set Top Box**

- ❖ Apple TV, Amazon Fire, Roku, Chromecast

Smart TV

- **Not required with Apple TV**
- **Smart TVs may not be up-dateable**
 - ❖ ***You are limited with the apps provided by manufacturers***

Streaming Options

- Require either a Smart TV or a Streaming Box
- Streaming Box Options:
 - ◆ Apple TV, Roku, Amazon Fire, Chromecast
- Streaming Box requires a one time purchase fee (no rental)

What Apple TV Can Do

- Cut the cord - No more cable or satellite service needed
- Replace Set Top Box - Buy once and no monthly rental
- No need for Smart TV - Add all smart functions and more
- Requires HDMI Port - old TVs may not work
- Once set up, only remote needed is the Apple Remote

What to Buy

- **Apple TV 4th Generation, HD or 4k**
- Older generations will work but with reduced functionality

Apple TV App

The new Apple TV App
by you watch TV — is easier than ever. The new Apple TV

Available In May

[See the preview](#)

[See the preview](#)

Apps for Streaming Content

- **Netflix** - Movies, TV Series, Original Content
- **Hulu** - TV Series, most networks except CBS, Original Content
- **Amazon Prime** - Movies, TV Series, Original Content
- **HBO, Showtime, Starz** - Movies, Original Content
- **CBS** - All CBS Shows, plus extras not shown via broadcast
- **Acorn** - Sort of like British Netflix
- **PBS, NBC, ABC, CW, TNT**
- **Music** - Pandora, Spotify, XM, iHeart

- Games

- Kids

App Store Categories

- Education

- Entertainment

- Food & Drink

- Health & Fitness

- Lifestyle

- Music

- News

- Photo & Video

Apple Functions

- Music
- Photos (Screen Saver or Viewing)
- Computers
- Itunes
- Air Play
- Apple TV
- Siri

Next Week

- How To Set up Apple TV
- Apple TV Settings
- Use Apps - Requests Welcome
- Hands On Practice