# What is Streaming? Television from the Internet

Think of it as Internet TV

# Cable



# Streaming



What is streaming and how it works?

Frontier services and other streaming services.

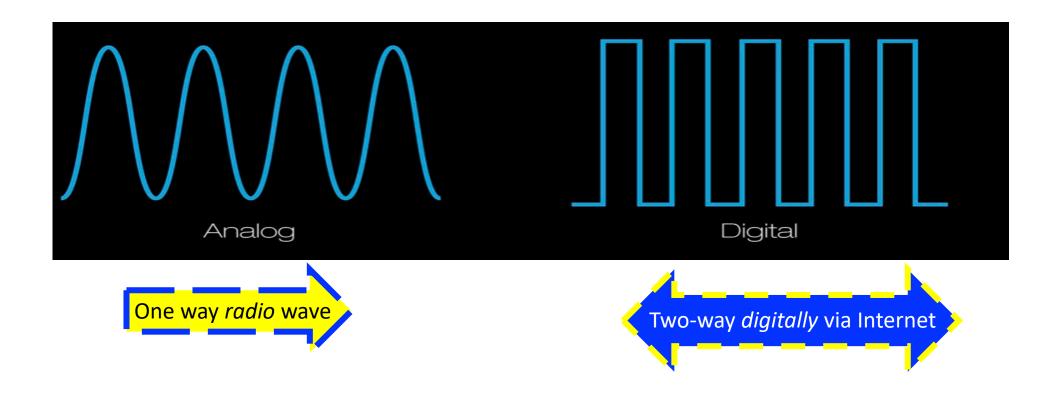
Six basic needs for streaming.

# What is Streaming?

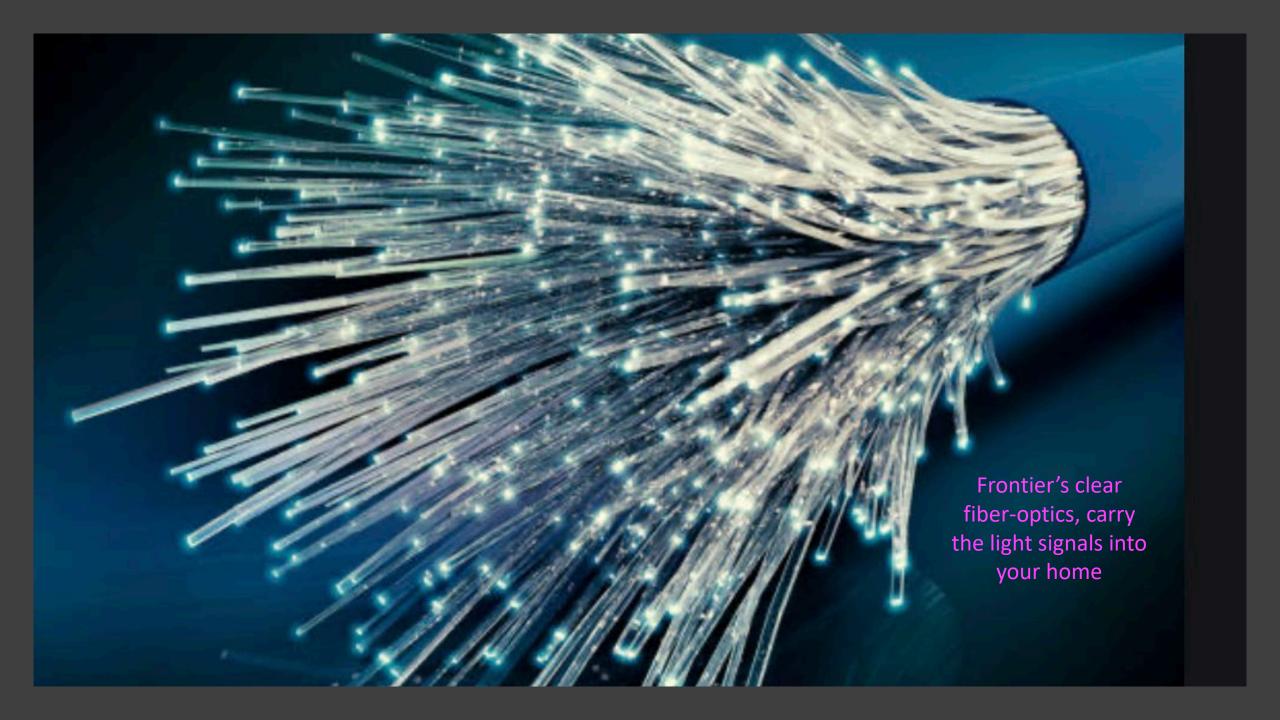
Streaming is Television, movies & music delivered over the Internet as **data** to a computer, a television, or a mobile device like a cell phone, iPad or tablet.

Internet TV

#### Television is Broadcast Digitally over the Internet







#### **Frontier Hardware - ONT**



ONT > Optical Network Terminal converts the Optical Signals into separate signals for TV, Voice and Data.

# Frontier Services 844.660.0648

**SCSH Dedicated Bulk Number** 

Account Number - Frontier

Pin Number - if you set one with your account

Services Requesting - Streaming - and/or TV Services

"Do you want TV?" They mean a TV Service Plan from Frontier.

**Negotiate** prior contract commitments – *terminations* 

Receive return packaging for unused - Set Top Boxes

Cutting the Cord means only subscribing to Internet service from Frontier and - not using cable or satellite service.

Can you still use Cable & Satellite = Yes
But that requires a monthly contract and box
rental costs \$\$\$\$

# Frontier Internet Only TV Plans

TV Services may be purchased by homeowners directly from Frontier. Channel guide for each plan is on our website. You should call for the best rate. Prices are not guaranteed.

500/500 mbps

More Channels

**DVR Rental Fees \$\$\$** 

TV Package	Channels	Price
1. Local TV Only	Local Networks	\$ 24.99
2. Prime TV	225+	\$ 79.99
3. Extreme TV	320+	\$ 94.99
4. Ultimate TV	400+	\$119.99

# Streaming Services

Shop around

**Cable /Satellite** Why YouTube TV Devices FA0s YouTubeTV **Hulu + Live TV Traditional Services** Hundreds of channels 65+ channels 85+ channels \$64.99 (advertised price) \$54.99 (advertised price) \$84.11 (average advertised price) ✓ No annual contract ✓ No annual contract **\*\* +\$10.51** average cost over 2 years after No Contract! No Contract! advertised price ends ✓ Includes NFL, NBA, and MLB networks X No league networks ✓ Includes NFL, NBA, and MLB networks ✓ Includes PBS, BET, Comedy Central, MTV, X Does not include PBS, BET, Comedy Includes PBS, BET, Comedy Central, MTV, and Nickelodeon Central, MTV, or Nickelodeon and Nickelodeon ✓ Includes unlimited cloud DVR storage \* +\$9.99 for a 200 total hour DVR and full \* +\$7.90 DVR/box rental fee. Various space and rewind, fast forward, and pause fast forward capability (otherwise limited to storage space limits capability 50hr with unskippable ads) 3 streams and 6 accounts per household X 2 streams and 6 accounts per household +\$6.79 2nd box rental fee \$64.99 \$64.98 \$109.30 Monthly cost Monthly cost with DVR add-on Average monthly cost\* +\$0 Installation fee +\$0 Installation fee \* +\$10-50 Installation fee

You can turn TV plans off and on when you have No Contract!

Even though Frontier is providing the Internet service, you are not required to purchase their TV plans.

Shop around and use any TV - Streaming service; YouTube TV or Hulu, that provides the best service for your TV viewing.

## **Cord-Cutting Benefits Cord Cutting Drawbacks**

- Potentially Lower costs.
- No cable or satellite contract.
- ✓ No recurring cable/satellite box rental costs.
- Pay only for channels/services you want.
- Receive free local channels via antenna.
- Streaming services can also be viewed smartphones and tablets.

- Not all streaming services are free.
- You might need to retain cable/satellite to access some streaming services.
- There is no streaming device or smart TV that offers all services.
- Monthly internet datacaps may limit the amount you can stream without added costs.

Sports

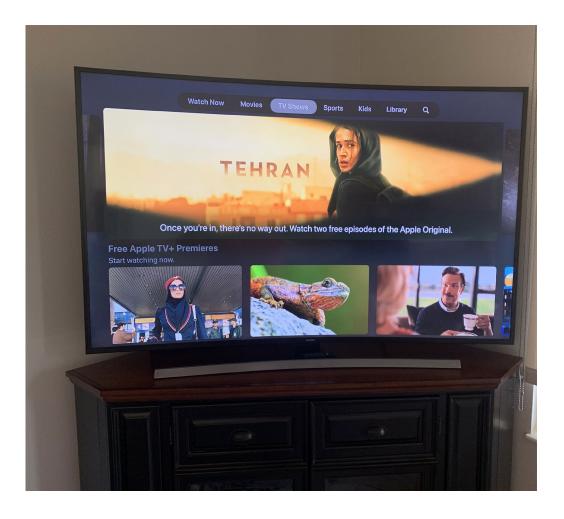


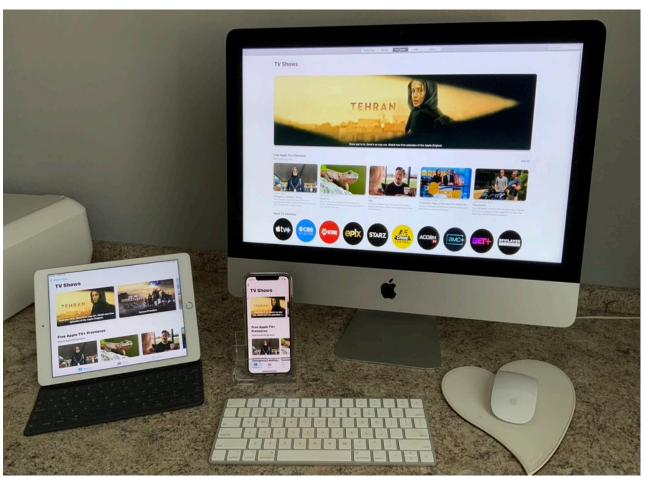
### Six Basic Needs for Streaming – Internet TV

- 1. Frontier: Internet Speed- 500/500 mbps
- 2. Frontier: Hardware Optical Network Terminal + Router
- 3. Streaming Devices
- 4. Understanding of Remote(s) Buttons
- 5. Streaming Services
- 6. Steaming Apps

# Frontier Streaming 500/500 mbps

#### Watch what you want, when you want and where you want!





In this picture: TV, MAC, iPad & iPhone = all connected via Frontier Wi-Fi. Same for any device laptop, tablet, Kindle etc.

# 2. Frontier Hardware







Power Source in garage

**Optical Network Terminal** 

#### **Frontier Hardware - ONT**



ONT > Optical Network Terminal converts the Optical Signals into separate signals for TV, Voice and Data.

#### Router

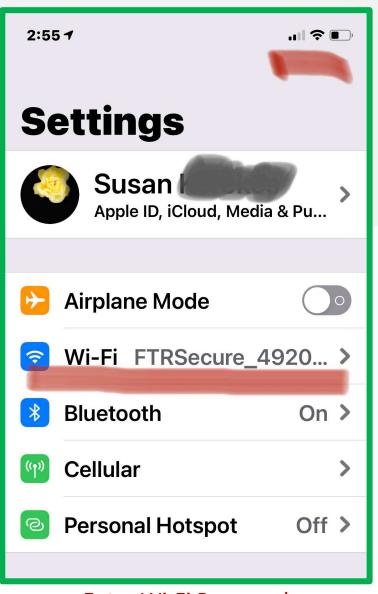
#### **Frontier Router**

The **Router transmits** the Wi-Fi signal to all your devices

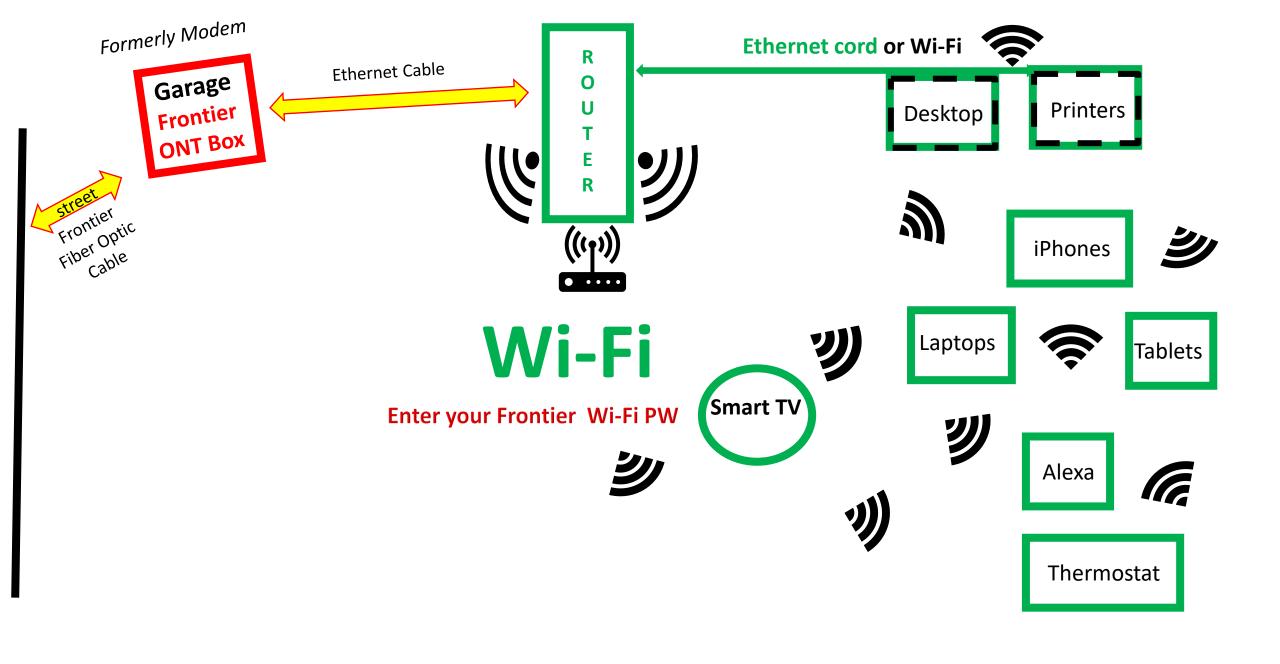


Enter Wi-Fi Password

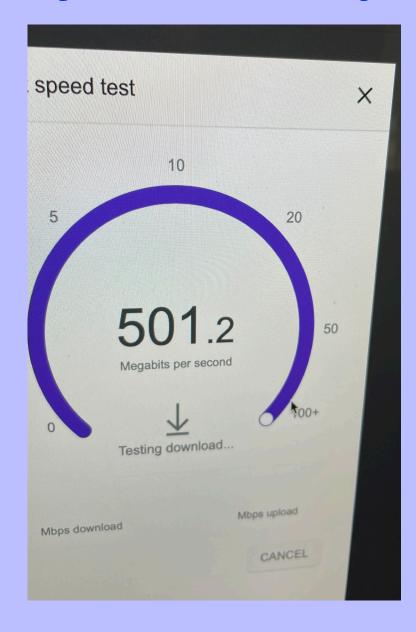


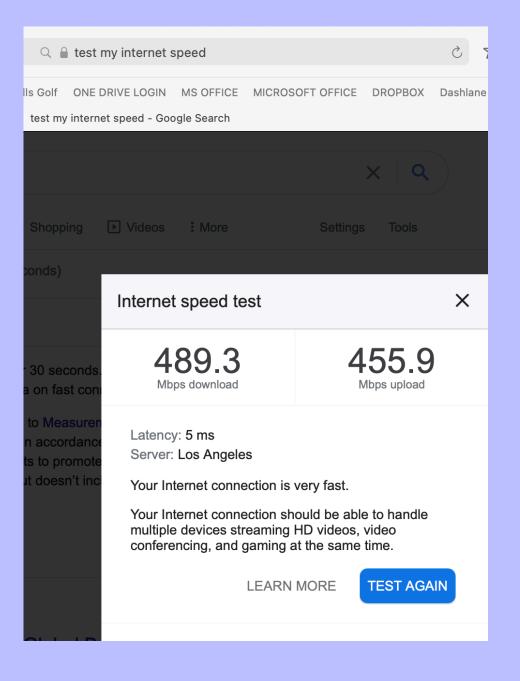


**Enter Wi-Fi Password** 



# **Test My Internet Speed**





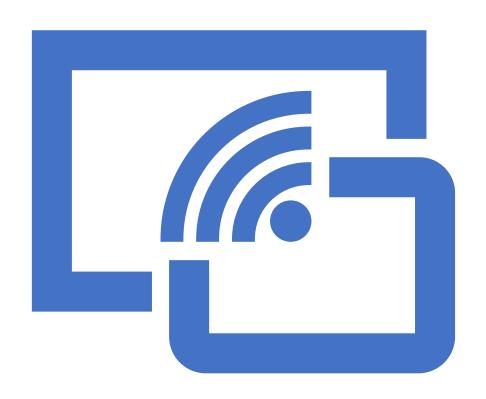


#### Frontier airi Wi-Fi Extender

# Larger homes or homes with many walls may need the *airi* Wi-Fi Extender

Each device you use enter your Frontier airi Wi-Fi Password entered in Wi-Fi Settings.

# 3. Streaming Devices



Streaming devices attach to your TV and allow access to various streaming apps.

### 3. Streaming Devices – Set-Top-Box & Sticks

Streaming devices make it easy to navigate to streaming apps like HBO or ShowTime.

Roku Ultra
Apple TV 4K
Amazon Fire TV Stick 4K
Google Chromecast
Antenna

2007 + TV's should have HDMI outlet in the back of TV to make it a Smart TV

(Some New Smart TV's already have Roku & Apple TV built in or certain Streaming Apps!)

#### 3. Streaming Devices Sticks & Set Top Box Go for the Gigabits!!!



Google Chromecast (3rd Generation)

**★★★★** (9k+)

HD Type Full HD

Connectivity Ethernet, Wi-Fi

Supported Services
Google Play, HBO G...



Apple TV 4K



HD Type Ultra HD (4K)

Connectivity Ethernet, Wi-Fi

Supported Services
Amazon Instant, HBO...



Amazon Fire TV Stick 4K (1st Generation)



HD Type Ultra HD (4K)

Connectivity Ethernet, Wi-Fi

Supported Services
Amazon Instant, Hulu,...



Roku Streaming Stick+



HD Type
Ultra HD (4K)

Connectivity Wi-Fi

Supported Services
Amazon Instant, Goo...

#### TV's

A Smart TV means the TV itself is connected to the Internet and is capable of two-way transmission.

A Dumb TV means it is not connected to the Internet. But if it has one HDMI port in the back you can add a streaming device; Set-Top-Box or Streaming Stick to connect and receive your Wi-Fi signal.

## Roku

Best Bang for the Buck – wide variety of apps and a lot of free content.



Roku Streaming Stick with Voice Remote ...

#### **Press Home**



Streaming devices and their remotes make it easy to navigate to Streaming Apps like Netflix, HBO or ShowTime etc.



# **Roku TV**

Roku Channel
Antenna TV
Apple TV
Streaming Apps

Want a TV with the Roku streaming experience built in?

Learn more about Roku TVs >



#### Best high-end experience and functionality!

**Advantage for Apple Users** 

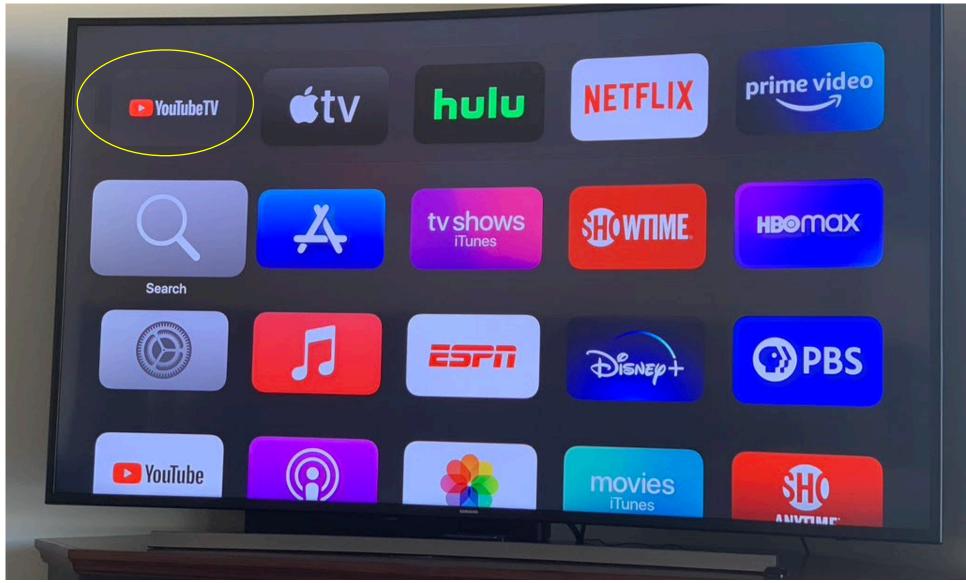
# Apple TV 4K STB

Login with Apple ID and Password
Speak commands into the remote
Top half works like a track pad
Your iPhone can be used as a remote and Keyboard.
Access to your pictures, movies, documents and music etc.



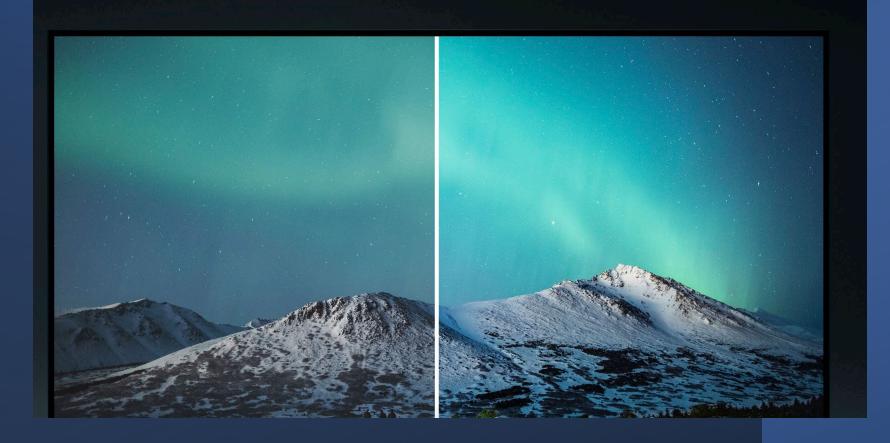
#### **Apple Set Top Box > Menu > Select Streaming Streaming Services or Subscription Apps**





# 4K HDR sets a new standard.

4K gives you a crisper picture using four times more pixels than standard HD. High Dynamic Range (HDR) delivers brighter, more realistic colors and greater detail. From the hottest new movie to your favorite TV show, everything is more lifelike than ever.



# **Amazon Firestick**



### **Google Chromecast**

Plug into power outlet Plug into HDMI on back of TV Then Google: https://support.google.com/chro mecast/answer/6006232?hl=en





# **SMART HUB = Smart TV**

Streaming Apps that are built into a **Smart TV** requires no Set Top Box.

Samsung has now included Apple TV App since 2019.

Roku TV also includes the Apple TV App

You will need a subscription to each streaming Application like, Netflix, YouTube TV or hulu. Each Streaming Service requires a Username and PW.

## Do I need an Antenna?

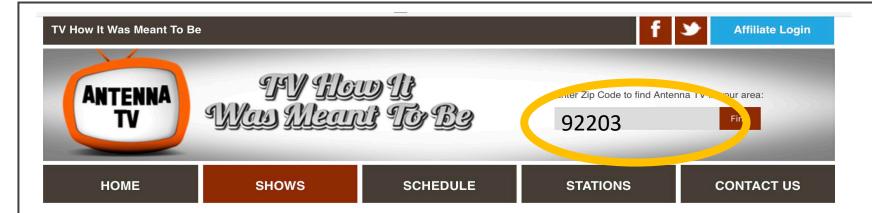
**Not necessarily**, but whether you pay \$10.00 or purchase the Mohu Blade for \$69.99 you will get good reception for Local Network Stations: ABC, CBS, NBC, Fox & Sports News.

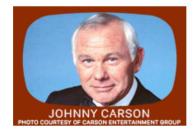
The Blade Premium has a 60-mile range and is a versatile 3-in-1 antenna. The bar design, it is both indoor and outdoor ready. You can install this antenna under your TV or mount it outdoors.



Note: all tech things change daily

#### **Antenna = Free TV**





Weeknights 10p ET I 7p PT



Saturdays 4p ET I 1p PT Sundays 4p ET I 1p PT



Weeknights 8p ET I 5p PT Sundays 2a ET I 11p PT



Weeknights 7p ET I 4p PT Sundays 9a ET I 6a PT



Sundays 3a ET I 12a PT



Weeknights 4a ET I 1a PT



Saturdays 5p ET I 2a PT Sundays 8a ET I 5a PT



Weekdays 2p ET I 11a PT Saturdays 6a ET I 3a PT + 10p ET I 7p PT

**Antennaty.com** 

# 4. Remotes

The Secret to it all!

## 4. REMOTE Look for TV Input, Source, A/V Input or Smart HUB



TV Input
A/V Input
Source
SMART HUB
HOME

The Secret to it all!

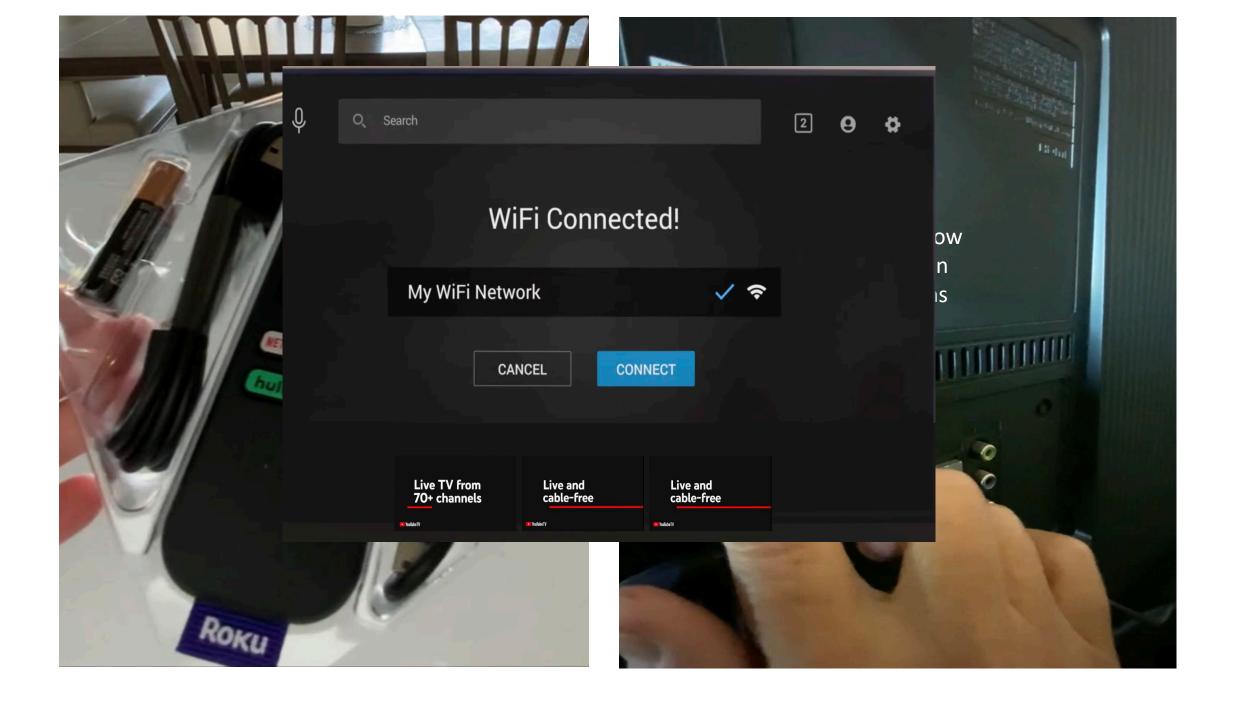
SOURCE = HDMI & USB Ports







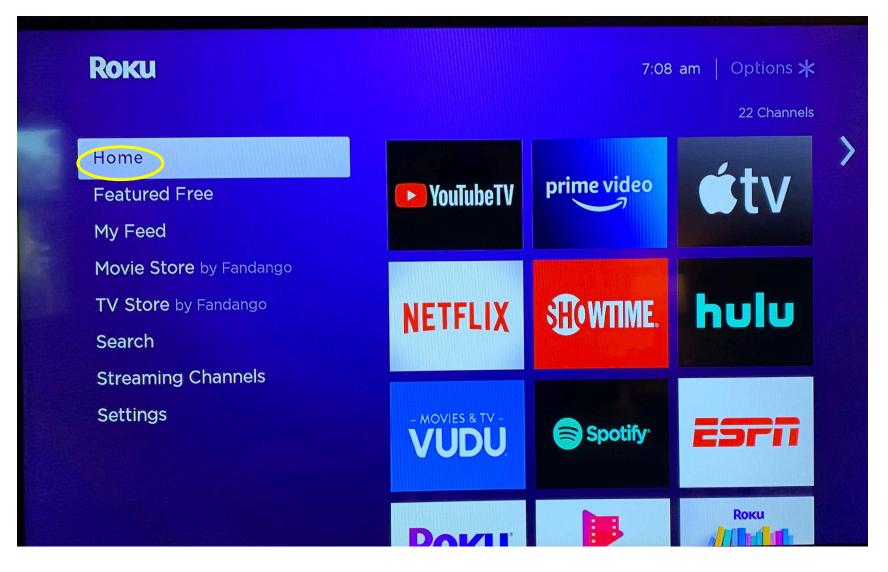
Source navigates to all the devices connected to your TV's HDMI Inputs.



#### **Press Home**



#### Individual Streamings will App need an Account Set up with Username and PW

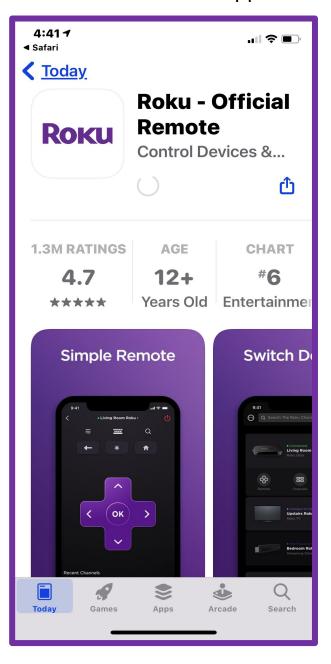


Establish your individual App Accounts on a Computer, laptop or iPad because it's easier with the keyboard...then come back here and just login. Keep track of all the login and Passwords.

#### 4. Remotes

## **Mobile Remotes**

#### Add Roku Remote App



#### **Apple Remote > Settings > Control Center**



# 6. Streaming Services

## **Broadcast Vortex**

- Traditional Cable + Dish Satellite
- 2. Antenna Local TV
- 3. Streaming Internet
  - A. Dumb TV w Streaming Device = Smart TV
  - B. Smart TV with built-in Apps, a Set-Top-Box, or Stick



**Apple TV** 

Amazon Firestick Google Chromecast

**Smart Blu-ray Disc Player** 





**Streaming Apps** 



Apple TV +

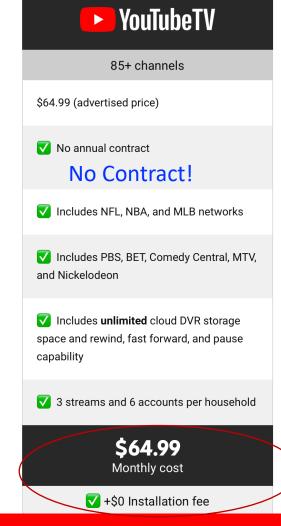


**Amazon Prime** 

**Roku Channel** 

# **Streaming** Services

**Shop around** 



Devices

Why YouTube TV

#### **Examples of 3 Service Plans** Cable /Satellite **Traditional Services Hulu + Live TV** 65+ channels Hundreds of channels \$54.99 (advertised price) \$84.11 (average advertised price) ✓ No annual contract **\*\$10.51** average cost over 2 years after advertised price ends No Contract! X No league networks ✓ Includes NFL, NBA, and MLB networks X Does not include PBS, BET, Comedy ✓ Includes PBS, BET, Comedy Central, MTV, Central, MTV, or Nickelodeon and Nickelodeon \* +\$9.99 for a 200 total hour DVR and full \* +\$7.90 DVR/box rental fee. Various fast forward capability (otherwise limited to storage space limits 50hr with unskippable ads) X 2 streams and 6 accounts per household \* +\$6.79 2nd box rental fee \$64.98 Monthly cost with DVR add-on Average monthly cost\* +\$0 Installation fee +\$10-50 Installation fee

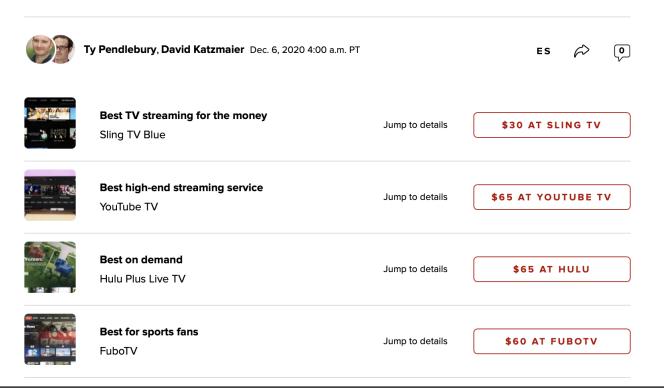
\$109.30

Why? You can turn TV plans off and on when you have No Contract!



# Best TV streaming service for cord cutters: YouTube TV, Sling TV, Hulu and more compared

If you're looking to save money on your cable bill but want to keep live channels, these are the best live TV streaming alternatives.



# Streaming Services SPORTS







**Streaming Service** 









## Apple TV Set-Top-Box

## **Streaming Service**





# Apple TV + Streaming

Apple's New Streaming Service with original content.

**Apple TV App** 

Apple TV + Streaming
Sign up with Apple ID
Start watching

New

# Apple TV \* Streaming

# New











ies











See

S



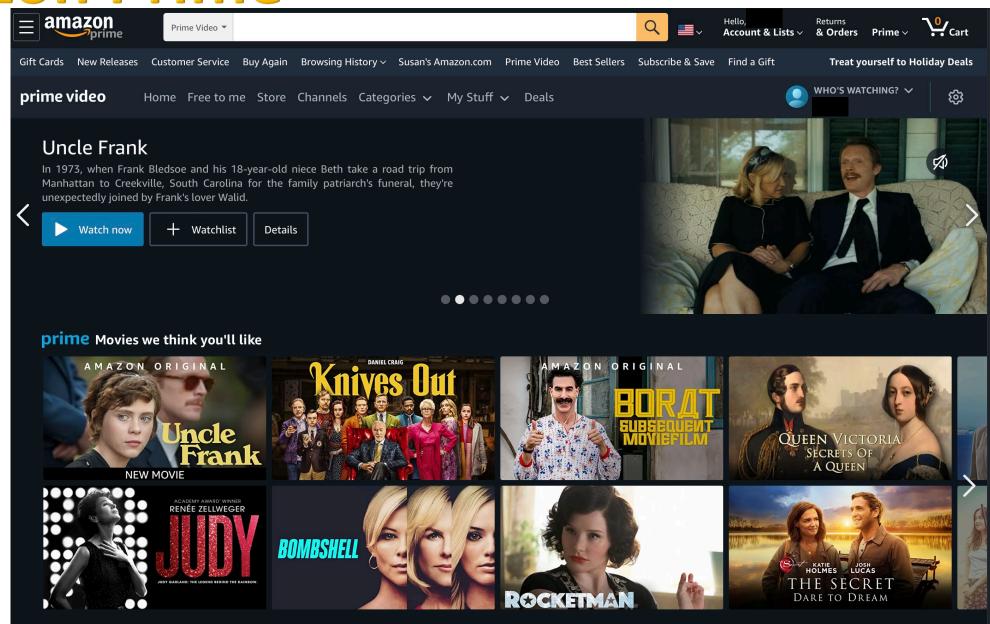








# **Amazon Prime**



# 6. Streaming Apps

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Navigation

**Streaming Stick or STB** 

Roku

**Apple TV** 

**Amazon Firestick** 

**Google Chromecast** 

**Smart Blu-ray Disc Player** 

TV Provider

#### **Streaming Service**



Apple TV +



**Amazon Prime** 

**Roku Channel** 

Content

## Streaming Apps

**Subscription Needed Monthly Fee** 

Netflix

Disney+

**YouTube Premium** 

**HBO Max** 

ShowTime

**Prime Video** 

Apple TV +

**ESPN** 

6. Streaming Apps **Netflix Disney+ HBO Max** Apple TV+ YouTube Premium **Roku Channel Prime Video ShowTime ESPN** Hulu





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**SCSH Dedicated Bulk Number** 

Account Number - Frontier

Pin Number – if you set one with your account

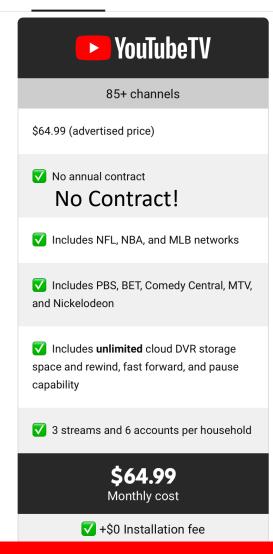
**Services Requested** – Streaming -and/or TV Services

"Do you want TV?" They mean a TV Service Plan from Frontier. (NO)

**Negotiate** prior contract commitments – *terminations* Receive **return packaging** for unused - Set Top Boxes

# Streaming Services

**Shop around** 



Devices

FA0s

Why YouTube TV

#### **Cable /Satellite** Hulu + Live TV **Traditional Services** 65+ channels Hundreds of channels \$54.99 (advertised price) \$84.11 (average advertised price) ✓ No annual contract **\*\$10.51** average cost over 2 years after advertised price ends No Contract! X No league networks Includes NFL, NBA, and MLB networks X Does not include PBS, BET, Comedy Includes PBS, BET, Comedy Central, MTV, Central, MTV, or Nickelodeon and Nickelodeon \*\$9.99 for a 200 total hour DVR and full \* +\$7.90 DVR/box rental fee. Various fast forward capability (otherwise limited to storage space limits 50hr with unskippable ads) X 2 streams and 6 accounts per household \* +\$6.79 2nd box rental fee \$64.98 \$109.30 Monthly cost with DVR add-on Average monthly cost\*

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**Navigation** 

**Streaming Stick or STB** 

Roku

**Apple TV** 

Amazon Firestick

**Google Chromecast** 

**Smart Blu-ray Disc Player** 

TV Provider

**Streaming Service** 



Apple TV +



**Amazon Prime** 

**Roku Channel** 

TV Content

**Streaming Apps** 

**Subscription Needed Monthly Fee** 

Netflix

Disney+

**YouTube Premium** 

**HBO Max** 

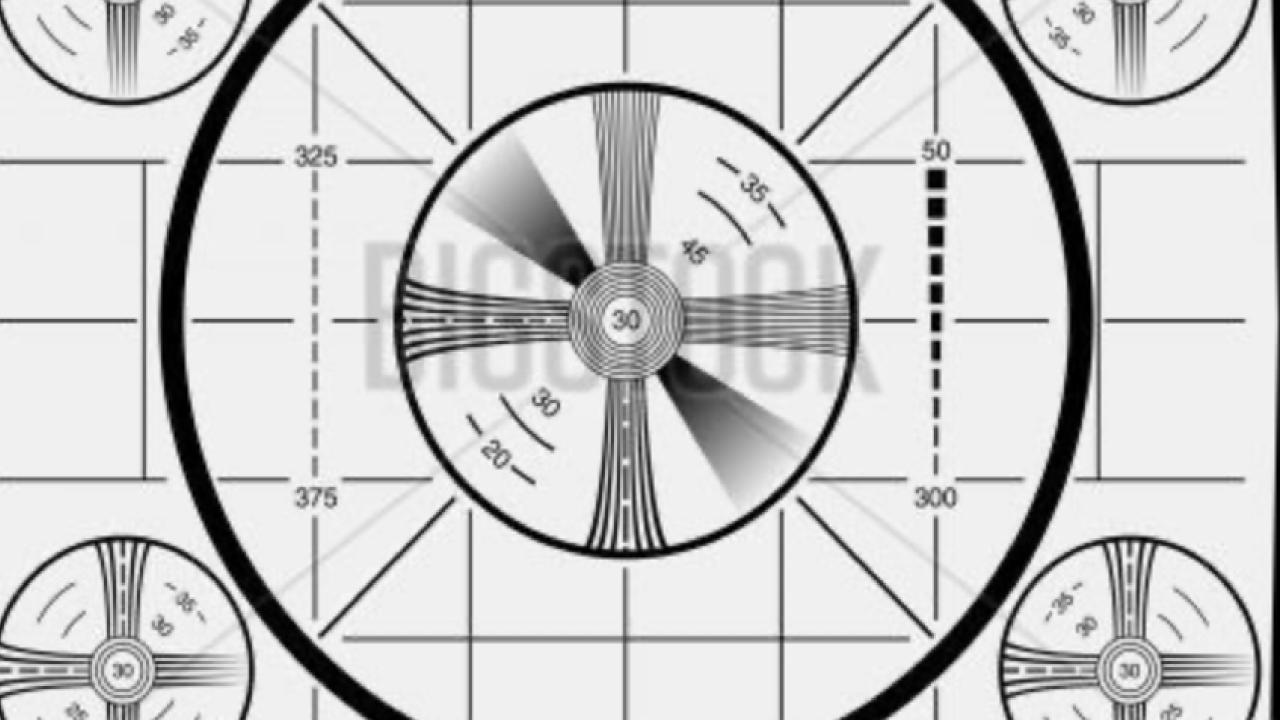
**ShowTime** 

**Prime Video** 

Apple TV +

**ESPN** 

# Happy Streaming



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#### **Advantage for Apple Users**

# Apple TV 4K STB

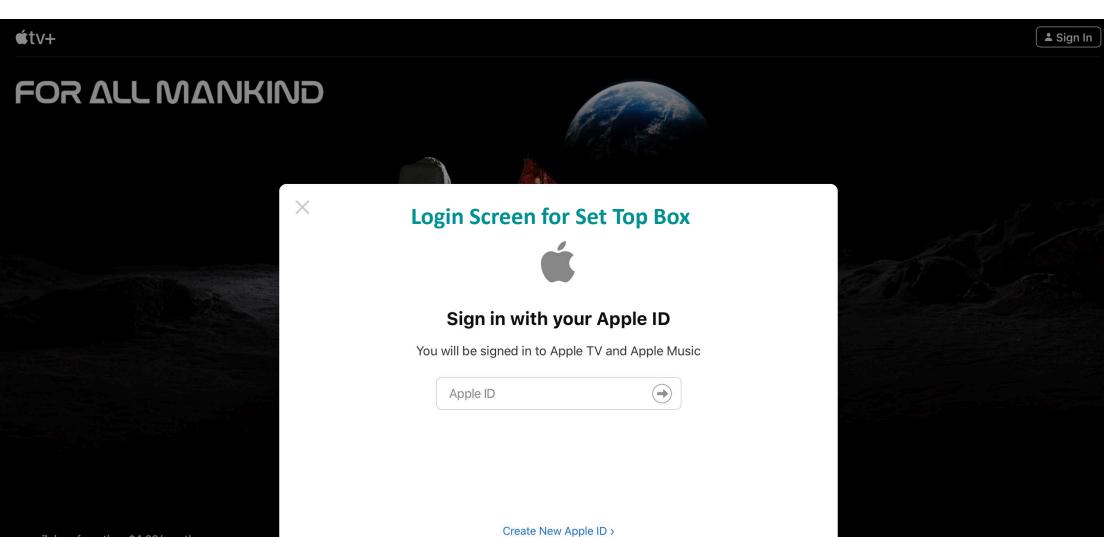
Login with Apple ID and Password
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Access to your pictures, movies, documents and music etc.



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7 days free, then \$4.99/month

Try Apple TV+ Free

Imagine Battlesta Forgot Apple ID or Password?

ler, Starring Joel Kinnaman, Michae

Dorman, Wrenn Schmidt

+ Add to Un Nev

#### **Apple Set Top Box Navigation > Select Streaming Streaming Services or Subscription Apps**







# Apple TV + Streaming

Apple's New Streaming Service with original content.

**Apple TV App** 

Apple TV + Streaming
Sign up with Apple ID
Start watching

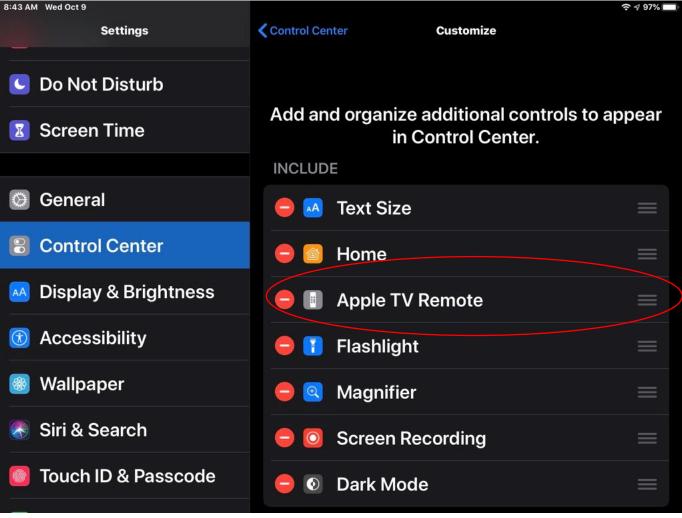
New





Settings Control Center Customize Controls Apple TV Remote

## **Control Center**

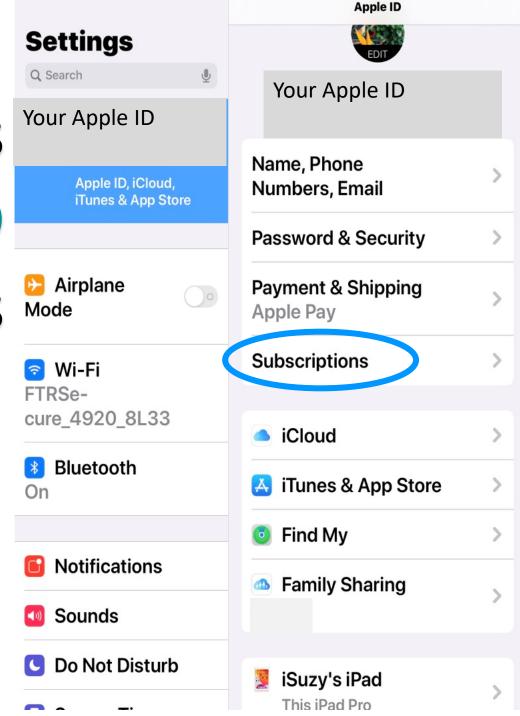


Use your iPhone as a remote or keyboard for typing.



# Settings Apple ID Subscriptions



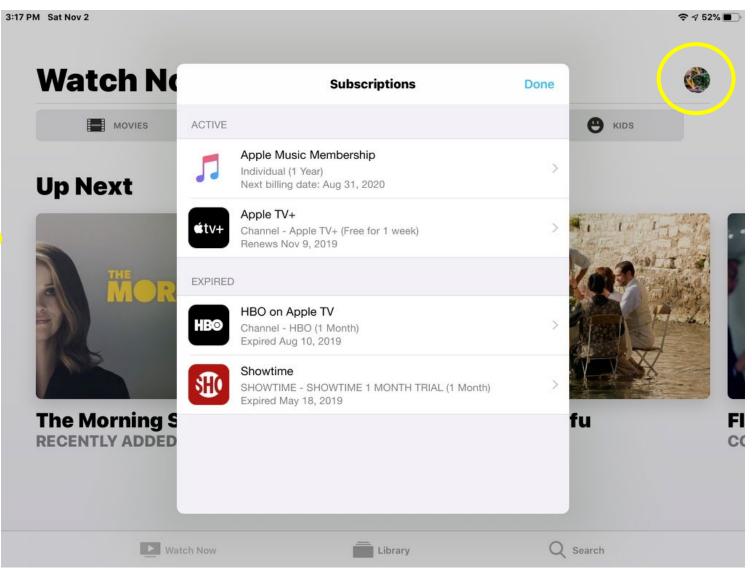




**Open TV App** 

Tap Profile

Manage Subscriptions Select on/off -as needed



Unsubscribe in the app and then, re-subscribe





Settings > Apple TV APP

**ALLOW TV TO ACCESS** 

Siri & Search



# Settings TV

#### **ALLOW TV TO ACCESS**

Banners, Badges







IN "TV"

< TV

#### Learn from this App



Allow Siri to learn from how you use "TV" to make suggestions across apps.

Siri & Search

#### **Use Play History**

iTunes Videos



What you play on this device will influence personal recommendations and Up Next on all devices that support Apple TV app. Turn off to stop using play history for recommendations.

#### **IN SEARCH**





#### **Suggest Shortcuts**



Allow Search and Look Up to show information or shortcut suggestions for "TV". Shortcut suggestions are based on how you use the app.

#### **Show Sports Scores**



TV shows and movies from the apps you connect will appear in the Apple TV app on all of your devices. See how

#### ON LOCK SCREEN

#### **Show Siri Suggestions**



Allow Lock Screen to suggest Shortcuts based on how you use "TV".

# Apple TV \* Streaming

# New











ies











See

S









