



# Cut the Cable:

SAY GOODBYE TO CABLE TV AND USE CHEAPER ENTERTAINMENT SERVICES



## INTRODUCTION – NOT FOR CHANNEL SURFERS

Don't need 1000+ channels, just a few? A "skinny bundle" that goes a bit beyond free over-the-air channels? You may be able to cut the cable. *Pick and choose save, exclusives make it almost impossible to get everything.*

### What you need and how to connect to the Internet

–Internet (minimum 5-6Megabit for HD streams) –Hardware –Software –Subscriptions

For everything except over-the-air antenna stations, you need Internet access. Your **Internet Service Provider (ISP)** routes a wire from their network into your home. From there, it connects to a **gateway** or **modem**, which converts the data signal. Your modem connects to a **Wifi router** which makes the wireless internet in your house. Any devices that need Internet access can then connect to your Wifi router. *(More on page 12.)*

### What to know:

–Current costs (including fees) –TV watching habits –Entertainment desires

### What to find out:

–Which services are right for you –What options cost –how to sign up & use them

## *Paid streaming content libraries and all-access channels*

**Netflix** is one of the premier streaming options. Known for its original shows like *House of Cards, Stranger Things, Black Mirror, and The Crown*. Netflix has many TV shows, movies, cartoons, and more. \$15 billion spend on original content in 2019. Offerings vary by country and change often. Apps for almost every device, plans ranging from \$8.99 to \$15.99/month. Some shows available for offline viewing. Netflix is not tied in to any larger platform. Owns a comics publisher, so watch out for new comic-based shows and movies. **Try Netflix on a Library Roku!** *More info:* [netflix.com/](https://netflix.com/)



**Amazon Prime Instant Video** is another source of streaming content. For \$120/year or \$12.99/month, you get standard Prime benefits such as 2-day shipping on orders, and you also get tons of streaming movies and some TV shows. \$8.99/month Prime Video only. Amazon creates original content such as *The Man in the High Castle* and *The Marvelous Mrs. Maisel* for Instant Video. Offerings vary by country. Individual episodes and movies are available for purchase via the similar Amazon Video On Demand service. Apps on most platforms. **Try Prime on a Library Roku!** Separate **IMDb TV** free on demand with ads service for extra streaming movies/TV, originals, for Fire TV device users. *More info:* [primevideo.com/](https://primevideo.com/) , [imdb.com/tv/](https://imdb.com/tv/)



**Disney+** \$6.99/month or \$69.99/year. Stream Disney's excellent catalog of live-action and animated movies. Sub-accounts and parental controls are included, along with sub-sections for each of their major brands: Disney, Pixar, Marvel, Star Wars, and National Geographic. 4K, and 4 simultaneous users. Exclusives include *The Simpsons, Star Wars: The Mandalorian*. Available on Apple, Chromecast, Roku, Android, consoles, smart TVs. Bundle ESPN+, Hulu (non-skinny bundle with ads) and Disney+ for \$12.99/month. **Try this on a Library Roku!** *More info:* [disneyplus.com/](https://disneyplus.com/)





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**Apple TV+** offers exclusive original programs only. It is available on some devices beyond Apples. It aspires to the “highest quality original storytelling”, or “stories to believe in”. Contributors include Oprah, Steven Spielberg, Jennifer Aniston, Octavia Spencer, M. Night Shyamalan, Jason Momoa, and more. One week free trial. \$4.99/month. Free for one year with purchase of any iPhone, iPad, Mac, Apple TV, or iPod Touch.



**Try Apple TV+ on a Library Roku!** *More info:* [apple.com/apple-tv-plus/](http://apple.com/apple-tv-plus/)

**AT&T** has many streaming offerings. **HBO Go** allows you to add HBO on to services. **AT&T TV Now** bundles live streaming channels. **AT&T TV** lives only on AT&T hardware with a larger bundle of live streaming channels. **HBO Now** allows you to stream HBO originals like *Westworld*, *Game of Thrones* anywhere. **HBO Max** will include HBO originals and WarnerMedia back catalog content like *Friends* and *Harry Potter* films. **Try HBO on a Library Roku!** **AT&T Watch TV** is a small bundle of live streaming channels free for some AT&T wireless customers or \$14.99/month.



*More info:* [hbomax.com/](http://hbomax.com/) , [directvnow.com/](http://directvnow.com/) , [hbogo.com](http://hbogo.com) , [hbonow.com](http://hbonow.com) , [att.com/tv/](http://att.com/tv/) , [attwatchtv.com/](http://attwatchtv.com/)

**CBS All Access** streams CBS shows new and old, local channel broadcasts (including news) live, and new episodes available next day online. Limited commercials \$5.99/month, no commercials \$9.99/month. *60 Minutes*, *The Big Bang Theory*, *The Late Show*, *Madam Secretary*, and *NCIS*. Some originals including *Star Trek*, *Twilight Zone*. *More info:* [cbs.com/all-access/](http://cbs.com/all-access/)



**ShowTime Anytime** is similar to HBO Now. You can start a new subscription for ShowTime’s shows, movies, and sports or add it to an existing streaming package such as Hulu or PlayStation Vue. Programming includes *Shameless*, and Sacha Baron Cohen’s *Who Is America?*. \$10.99/month. *More info:* [sho.com/order](http://sho.com/order)



## *Sports, Skinny bundles, and over-the-air antennas & DVR*

A “skinny bundle” is an Internet TV service that offers a small package of live TV channels. Channels cannot be bought individually, packages are take-it-or-leave-it. Channels included in packages can change at any time. Skinny bundles often start with introductory free periods and allow you to cancel anytime. Local channels based on billing zip codes are usually included. DVR features are included in some skinny bundles.

**NBA League Pass** is for fans the entire league. Its price varies, usually around \$199.99/season. **Some local game blackouts apply.** Select games available a la carte single game purchases \$6.99. *More info:* [nba.com/leaguepass/](http://nba.com/leaguepass/)



**NHL.TV** is for hardcore hockey fans. Choose between live home or away feeds for regular season games. Watch full or condensed replays, picture-in-picture mode, access classic game archive, and every game since the 2007-08 season. \$49.99/season. Offseason package \$9.99. **Some game blackouts.** *More info:* [subscribe.nhl.com/us](http://subscribe.nhl.com/us)





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The **NFL** and its partners have tons of offerings. **Verizon** and the **NFL Mobile app** offer free in-market games, playoff games, and the Super Bowl on tablets and smartphones. **NFL RedZone** covers impending touchdowns. Over-the-air antennas and “skinny bundles” from **PlayStation Vue** and **SlingTV** may be your best options to get local and national games. **Amazon Prime** streams some Thursday night games. **NFL Game Pass** allows access to game replays. CBS Sports will stream the Super Bowl for free at [CBSSports.com](http://CBSSports.com) and in its app. *More NFL cable cutter information: [zdnet.com/article/are-you-ready-for-some-internet-football-how-to-stream-the-2018-nfl-season/](http://zdnet.com/article/are-you-ready-for-some-internet-football-how-to-stream-the-2018-nfl-season/)*



**MLB.TV** and **MLB.TV Premium** are for fans of America’s pastime. Watch out-of-market games live or on demand. **BAMTech** is renowned for high-quality streams, supports many devices. Yearly: \$49.99. Monthly: \$24.99. Includes stats from **MLB At Bat**. Archived games are also available with no restrictions. Yearly single-team subscriptions \$39.99. Prices change in-season / out-of-season. **Some game blackouts.** *More info: [mlb.mlb.com/mlb/subscriptions/](http://mlb.mlb.com/mlb/subscriptions/)*



**ESPN+** offers a smattering of coverage. ESPN originals on-demand, like *30 for 30* episodes. Some live MLB, NHL, and all MLS soccer games for Chicago residents. Some tennis matches, some boxing, some PGA Tour coverage, some rugby and cricket coverage, and some college sports coverage of football, basketball, lacrosse, and softball. \$5/month or \$50/year. Expect this service to change dramatically over time. **Some game blackouts.** Included in Disney’s \$12.99/month bundle with Disney+ and Hulu. *More info: [plus.espn.com/](http://plus.espn.com/)*



**Bleacher Report Live** offers paid monthly subscription “passes” for certain sports or pay-per-game access. Includes offerings from The Spring League (unofficial NFL development league), World Armwrestling League, NBA, NCAA, PGA, and more. *More info: [live.bleacherreport.com/](http://live.bleacherreport.com/)*



**Hulu** allows you to stream shows from most major TV channels except CBS. \$5.99/month with limited commercials. Streaming only version included with Disney’s \$12.99/month bundle with ESPN+ and Disney+. No commercials \$11.99/month. Classic shows like *Family Guy* and *30 Rock*. Exclusive access to stream *Seinfeld* and original productions like *The Handmaid’s Tale*. Skinny bundle of ~50 channels including local channels for \$54.99/month. 50 hour cloud DVR storage included. Shows static ads when you pause. *Streaming: [hulu.com/welcome](http://hulu.com/welcome) Bundle: [www.hulu.com/live-tv](http://www.hulu.com/live-tv)*



**Sling TV** live streams popular TV networks including ESPN, ESPN2, AMC, A&E, TNT, TBS, CNN and more. Compatible with many devices and even offers deals off some hardware to help you start. Orange - \$30/month. Blue - \$30/month. Orange+Blue - \$45/month. Some video on demand and replay features. 50 hour cloud DVR available for an extra \$5/month. *More info: [sling.com/](http://sling.com/)*



**YouTube** has amateur and pro videos, and now live TV. YouTubeTV includes access to some originals like the *Cobra Kai* reboot. \$49.99/month. Its skinny bundle is great for sports fans. Channels include ABC, CBS, NBC, NBCSN, CNN, ESPN, TNT, BTN, and more. *Info: [tv.youtube.com/welcome/](http://tv.youtube.com/welcome/), [youtube.com/premium](http://youtube.com/premium)*





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**Indoor or outdoor digital TV antennas** allow you to access many local channels over the air free of charge. They help you get the "some blackouts apply" games. Reception may vary. The FCC has great guides on getting started including a general description of how to start: [fcc.gov/guides/antennas-and-digital-television](http://fcc.gov/guides/antennas-and-digital-television) , and a searchable map of which channels should be available where: [fcc.gov/media/engineering/dtvmaps](http://fcc.gov/media/engineering/dtvmaps) .

More info: [antennatv.tv/free/](http://antennatv.tv/free/) , [techhive.com/article/3322842/consumer-electronics/the-best-tv-antennas-for-cord-cutters.html](http://techhive.com/article/3322842/consumer-electronics/the-best-tv-antennas-for-cord-cutters.html)



**Over-The-Air DVRs** The one-time purchase of an OTA DVR lets you record over-the-air content you receive via an antenna. **TiVos Roamio OTA** includes a free 14-day TV guide. Plug an antenna in to this device then plug this into one TV via HDMI. Skips some ads automatically. Includes a few apps. \$399/1000 GB. *Others: Channel Master Stream+, Amazon FireTV Recast (requires other FireTV device as an accessory), Tablo, Simple.TV 2, HDHomeRun.*

More info: [tivo.com/shop/ota-detail](http://tivo.com/shop/ota-detail)



## A la carte sources

**Ela Library's Hoopla** and **Kanopy** let you stream from home. Hoopla offers hundreds of movies, full music albums, audiobooks, and more to devices. Kanopy features foreign and indie films, documentaries, educational videos, and a dedicated children's section. Both services are compatible with most devices. Library card login. More info: [eapl.org/247-library/library-apps](http://eapl.org/247-library/library-apps) , [hoopladiqital.com/](http://hoopladiqital.com/) , [eapl.kanopy.com/](http://eapl.kanopy.com/)



**Specific TV show or channel websites** (for example: Comedy Central's South Park [southpark.cc.com/full-episodes](http://southpark.cc.com/full-episodes) ). Late night variety shows etc. often let you stream recent episodes online free in exchange for tolerating a few ads. Back catalog episodes may be available on paid services. These sources are typically only available on desktops, laptops, and sometimes smartphones and tablets, NOT on set top box devices usually, although more and more have apps.



**Vimeo**, a YouTube competitor, may also be a good place to find something to watch, depending on what you're looking for. Most of its videos are free, but there are some paid video on demand options. Vimeo has better privacy settings and options for the uploaders creating content than YouTube, so Vimeo attracts counter culture content. Available on lots of platforms. Mostly free/prices vary. More info: [vimeo.com/](http://vimeo.com/)



## Hard copy sources

**Ela Area Public Library** – We have many DVDs and Blu-rays for you to check out. If the library doesn't have what you're looking for, we can often get materials from nearby libraries, or make requests from Illinois libraries. No fines means you don't have to worry if you return items a bit late. *Library catalog online:* <https://eapl.org/> click "My Account" in the upper right corner, or go directly to: [ccs.polarislibrary.com/polaris/logon.aspx?ctx=16.1033.0.0.1](https://ccs.polarislibrary.com/polaris/logon.aspx?ctx=16.1033.0.0.1)





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**Video stores** like Family Video and rental kiosks like **Redbox** still exist. With how expensive cable is on average, you can rent some videos or TV seasons and still save. Services like Hoopla, Netflix, and others this handout describes are likely to have more content immediately available and be more convenient. Redbox: DVDs \$1.50/day, Blu-rays \$2/day, Games \$3/day. *More info:* <http://www.redbox.com/transactionterms>

## Hardware – depending on your needs you may want to use

There's no need for you to have *all* of these devices, but depending on your situation, you might use...



← **HD or 4K TV** for displaying high quality Blu-rays, streams, and more. Most content is HD resolution, not the higher resolution 4K yet. But more 4K content is being produced every year. Carefully consider the number of HDMI ports on a TV before purchasing. **Smart TVs** must connect to your Internet, and app compatibility varies. They may gather data on your usage patterns. Some TVs may have additional features like Roku, Amazon Alexa, Google Chromecast, and/or Apple Airplay 2 integration or compatibility.

**Laptop/desktop computers and monitor** for signing up, multitasking, or → for services that don't offer TV applications like specific show websites.



← **Smartphone** for viewing content on-the-go and casting.

**Tablet** for viewing content in bed, in your kitchen, or on the go → (with a data plan). Many services are let you download content while online at home for streaming while offline in a car, plane, etc. Tablets may also be useful as remote controls for some services.



← **Blu-ray player** for playing high quality Blu-ray discs and older DVDs, and for running many service apps. Blu-ray apps tend not to be updated as often.





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**Apple TV** for playing your iTunes content on → a big screen and running many games and service apps including Netflix, VLC, Plex, Crackle. *Multiple models available, more info:* [apple.com/tv/](http://apple.com/tv/)



← **Amazon Fire TV / Amazon Fire TV Stick** → for Amazon Instant Video content and many apps.



*Fire Stick (basic model) info:* [amazon.com/dp/B00ZV9RDKK/](http://amazon.com/dp/B00ZV9RDKK/)  
*Fire TV (mid-level model) info:* [amazon.com/gp/product/B01N32NCPM/](http://amazon.com/gp/product/B01N32NCPM/)  
*Fire TV Cube (high-end voice-activated model) info:* [amazon.com/gp/product/B01NBTFNVA/](http://amazon.com/gp/product/B01NBTFNVA/)

**Rokus** or **Roku TV** to access service apps on your TV. → Roku is uniquely not tied to a content platform, although they have some advertising aspirations. Compatible with many older TVs. \$35+. *Multiple models available, more information:* [roku.com/](http://roku.com/) Check one out from the library: [eapl.org/libraryofthings](http://eapl.org/libraryofthings)



← **Google Chromecast, Chromecast Ultra (4K)** for streaming content from computers to TVs and/or speakers, for Google Play, and running apps. No remote control required. *More info:* [store.google.com/us/product/chromecast](http://store.google.com/us/product/chromecast) , [store.google.com/product/chromecast ultra](http://store.google.com/product/chromecast_ultra) \$35-\$69

**Sling's AirTV Players** integrate streaming service apps like SlingTV, Netflix, → YouTube, and more via the included Google Play Store, and local channels. A separate digital TV antenna purchase is required, but this device integrates that over-the-air content so that you don't have to be changing inputs all the time. DVR features included. Great for users of Sling TV. Multiple models \$79.99+ and accessories. *More info:* [airtv.net/products/](http://airtv.net/products/)



**HDMI cable(s)** are used to connect many of these devices to HD TVs. They send both the → audio and video data to your TV, unlike older cables. The quality of cheap HDMI cables like [amazon.com/AmazonBasics-High-Speed-HDMI-Cable-Standard/dp/B014I8SSD0/](http://amazon.com/AmazonBasics-High-Speed-HDMI-Cable-Standard/dp/B014I8SSD0/) (\$6.99) are almost indistinguishable from expensive HDMI cables.





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**Video game consoles** such as **PlayStation 4** or **XBOX One** for running service apps on the same device as your games. Xbox info: [xbox.com/en-US/entertainment/xbox-one/live-apps](http://xbox.com/en-US/entertainment/xbox-one/live-apps) PS4 info: [store.playstation.com/en-us/grid/STORE-MSF77008-ALLPS4APP/1](http://store.playstation.com/en-us/grid/STORE-MSF77008-ALLPS4APP/1)



PS4



XBOX One



← **Ethernet cable(s)** can be used to connect set top box devices (Apple TV, Amazon Fire TV, some Rokus, consoles, Blu-rays) to your Wi-Fi router. Cabled connections like Ethernet tend to be more stable and reliable than wireless connections even if your Internet isn't the fastest in the world. Ethernet cabling is standardized. The cheapest Ethernet cable of the right length you can find, such as [amazon.com/AmazonBasics-RJ45-Cat-6-Ethernet-Patch-Cable-5-Foot-1-5-Meters/dp/B00N2VILDM/](http://amazon.com/AmazonBasics-RJ45-Cat-6-Ethernet-Patch-Cable-5-Foot-1-5-Meters/dp/B00N2VILDM/) (\$5.99/5 foot cable), should be fine.

**Wi-Fi routers** and **Modems** are rented out by internet service providers. They take → the Internet from your ISP and enable your home Wi-Fi and other data services. You can buy your own router and/or modem to stop renting and save money. Many set top devices and sticks connect over Wi-Fi. They can also connect via an Ethernet cable to a router for a more reliable connection. Pay attention to the number of Ethernet ports. Standard devices typically have four Ethernet ports. Modem/router combinations will be more expensive. This TP Link router is \$29.95: [amazon.com/TP-Link-Wireless-Router-450Mbps-TL-WR940N/dp/B003Y5RYNY/](http://amazon.com/TP-Link-Wireless-Router-450Mbps-TL-WR940N/dp/B003Y5RYNY/) Modems are typically expensive, but should last a very long time.



**Indoor or outdoor digital TV antennas** allow you to access many local channels over the air → free of charge. Reception may vary. The FCC has great guides on getting started including a general description of how to start: [fcc.gov/guides/antennas-and-digital-television](http://fcc.gov/guides/antennas-and-digital-television) , and a searchable map of channel availability: [fcc.gov/media/engineering/dtvmaps](http://fcc.gov/media/engineering/dtvmaps) (type your whole address in). Antennas can connect directly to TVs or to computers. *More info on antenna to computer:* [bhphotovideo.com/explora/portable-entertainment/tips-and-solutions/how-watch-free-tv-your-computer-without-wireless-broadband](http://bhphotovideo.com/explora/portable-entertainment/tips-and-solutions/how-watch-free-tv-your-computer-without-wireless-broadband) . *More info antenna to TV:* [antennatv.tv/free/](http://antennatv.tv/free/)



Over-the-air channels that should be available in the Lake Zurich 60047 area according to the FCC:

Call sign	Network name	Virtual Channel	Lake Zurich signal
WLS-TV	ABC	7	Strong
WXFT-DT	UniM	60	Strong
WGN-TV	INDE	9	Strong
WFLD	FOX	32	Strong
WPWR-TV	CW	50	Strong
WMAQ-TV	NBC	5	Strong



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Call sign	Network name	Virtual Channel	Lake Zurich signal
WSNS-TV	TELE	44	Strong
WCPX-TV	ION	38	Strong
WGBO-DT	UNIV	66	Strong
WCIU-TV	IND	26	Strong
WJYS	IND	62	Strong
WTTW	PBS	11	Strong
WYCC	PBS	20	Strong
WBBM-TV	CBS	2	Strong
WIWN	IND	68	Weak
WTMJ-TV	NBC	4	Weak
WMVS	PBS	10	Weak
WMVT	PBS	36	Weak
WDJT-TV	CBS	58	Weak
WITI	FOX	6	Weak
WVCY-TV	IND	30	Weak
WPXE-TV	IND	55	Weak
WISN-TV	ABC	12	Weak
WQRF-TV	FOX	39	Weak
WTVO	ABC	17	Weak

## Watching the news

**CBSN** is 24/7 news channel you can stream for free. It is no available on most platforms. CBS is also introducing a CBS Sports HQ which is a similar service, but only covering sports. *Watch live:* [cbsnews.com/live/](http://cbsnews.com/live/)



**Bloomberg TV+** is the Bloomberg financial news TV station. It is available online for desktops, laptops, and tablets at [bloomberg.com/live](http://bloomberg.com/live) and also for Apple, Amazon, Android, Roku, and other devices through those devices application stores.

**NBC News** full *Nightly News* broadcasts, clips from *Meet the Press*, and *MSNBC* content are typically available the day after they air in their app. This app is available on a few platforms. Our local **NBC5 Chicago** also has its own apps for some platforms.



**ABC News** also has apps that lets you watch clips from shows like *Good Morning America*, *ABC World News*, and *Nightline*. Our Local ABC7 Chicago has its own apps for some platforms.

**NewsON** provides access to some local live and on-demand news broadcasts nationwide. Apps on most platforms. Partners include ABC and WLS. [newson.us/](http://newson.us/)







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*Honorable mention services, applications, websites, hardware and software*



FuboTV



Philo



YuppTV



Acorn TV



Crunchyroll



Britbox



PlutoTV



Crackle



Tubi



Plex



IMDb



VLC



GoWatchIt



Mobdro



Boomerang



VRV



PBS Kids



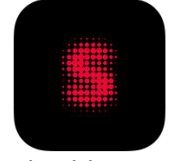
Dish Anywhere



NASA TV



Fox NOW



Shudder



Pureflix



Criterion



Vudu



CW Seed



Movies Anywhere

**More bundles:** **FuboTV** is a \$55/month bundle of sports *except* ESPN. **Philo** is a \$20/month skinny bundle option *excluding* sports. **International:** **YuppTV** streams Hindi cinema/TV. **Acorn TV** does the same for British media, \$5.99/month. **Crunchyroll** streams anime, Asian content, \$7.99/month. **Britbox** streams BBC and ITV content, \$6.99/month. **Free with ads:** try **Pluto.TV**, **Xumo**, **Sony Crackle**, **Tubi**, the **Roku Channel**, **Stirr** for some mainstream and niche live channels, shows, and movies. **Tools:** **Plex's** subscription media manager service allows you to stream media elsewhere. **IMDb** finds who's in movies. **VLC** streams videos over your local network. **GoWatchIt**, **Can I Stream It**, and **Reelgood** help you learn what you can watch where. **Mobdro** helps you find free video streams (Android only). **Cartoons and kids:** **Boomerang** offers classic cartoons, \$4.99/month. **VRV** offers anime and cartoons for \$9.99/month. **PBS Kids** streams youth content. **Other:** **DISH Anywhere** lets you stream DISH content on-the-go. **NASA TV** offers a slideshows and a hip space radio station. **Fox Now** offers episodes of shows like *Empire*. **AMC Shudder** features horror movies, \$4.75/month. **Pureflix** hosts family friendly and Christian content, \$12.99/month. **Criterion's** famous **Collection** is available for \$11/month. **Vudu** lets you stream, convert certain physical discs you already own to digital. **CW Seed** lets you watch content like *Whose Line is It Anyways?*. **Movies Anywhere** to watch/manage digital copies of movies purchased on iTunes, Google Play, Amazon, Vudu, and some Disney DVDs. **EPIX NOW** enters the premium-TV-channel-as-a-stand-alone-streaming-service market at \$5.99/month.



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### Demo



1. **Blu-ray player** — Blu-ray players typically connect to your TV via an HDMI port and connect to the Internet either via your wifi or via an Ethernet cable to your router (usually the cable to the router for higher quality). The software on Blu-ray players is typically not updated very often by manufacturers, whereas software on devices like Amazon Fire TVs, Chromecasts, Apple TVs, and XBOX / PlayStation consoles are frequently updated. Random Blu-ray players may have app stores available, but more often than not you're stuck with the apps/services that were pre-installed.



2. **Roku** — Rokus devices connect to your TV via either HDMI or via older red, yellow, and white RCA plugs. They connect to the Internet via wifi or via Ethernet cable. Roku calls apps "channels", and you can expect them to be up-to-date. Rokus are controlled by a dedicated remote or via an app on your phone. Try the Roku Channel for free content. "Guest Mode" helps control accounts when hosting guests. There may be ads in the interface – Roku calls itself an advertising company.



3. **Chromecast** — Google's Chromecast connects to your TV via an HDMI port and uses wifi to connect to the Internet. It supports either HD or 4K resolutions. "Cast" means seamlessly sending content found on one device that's better for searching – a tablet, phone, desktop/laptop etc. – to your TV via your Chromecast. Those other devices are essentially the remote control. Look for the icon to the left.



4. **Apple TV** — Apple's set top box runs tvOS and connects via an HDMI cable and uses wifi or an Ethernet cable to connect to the Internet. We recommend Ethernet connections for all of these devices if at all possible – they're more reliable. Like a Chromecast, you can send content from Apple devices to an Apple TV easily. The remote control is very intuitive and charges with the same cable as many other iOS devices. The Siri digital assistant can help you search, or you can do speech to text using the touch sensitive remote control. The "TV" app centralizes content from some apps. Apps for most major services are available in the App Store.



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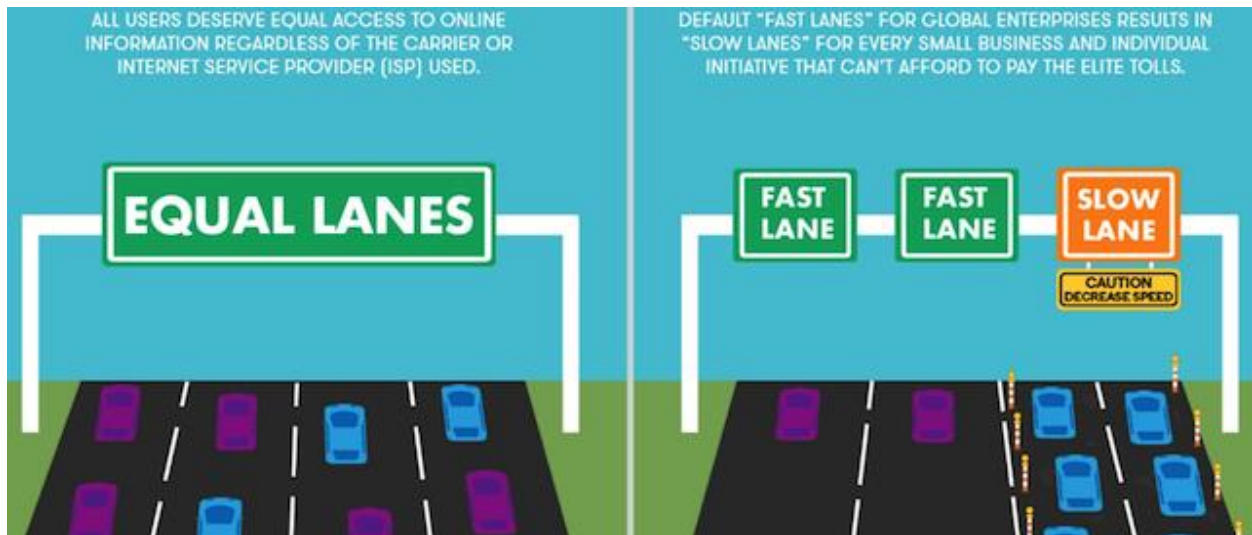
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## Net Neutrality and you

**Net neutrality** is a phrase that describes how **ISPs (Internet Service Providers)** were required to treat traffic that traveled on the Internet until late 2017. They had to be neutral. All traffic had to be sent to you as quickly as possible<sup>1</sup>. ISPs were classified as “common carriers” under Title II of the Communications Act of 1934. ISPs were effectively utility services. Net Neutrality became law as an FCC rule in June 2015. This was overturned by a 3-2 vote of the FCC on 12/14/2017.

Think of the Internet as a road. Currently, ISPs can make it a road with variable speed limits that can't be violated by any means. They mostly haven't done that yet for fear of a backlash. If the ISPs choose to use their power for evil (or, more likely, to enhance their profitability, from their point of view) they can effectively set different speed limits for different content. This is called **paid prioritization**, or making **fast lanes**. If FedEx owned the road (aka was your ISP) for example, they could make different lower speed limits for regular cars, UPS, and the USPS, giving FedEx a huge and unfair advantage. Customers would then want to use FedEx, and the other companies would be unfairly forced out of the market. Startups will be hindered if ISPs choose to use their power to manage the speed of their networks; entrenched powers will grow more powerful.



**Zero rating** is a dangerous slippery slope for a free and open Internet. Providers are allowed to have data caps. If you go over using X gigabytes of data (X is specified by your ISP or cell phone carrier), they can charge you more or slow your Internet down. Zero rating allows providers to say that *certain* Internet traffic *won't count* against that quota of allowed Internet data. T-Mobile zero rates some mobile data. AT&T has zero rated Watch TV to give it a competitive advantage over Netflix, YouTube, and others whose data you have to worry about counting toward or putting you over the data cap. Why worry about going over a data cap using Netflix, etc. when another service doesn't count? This is simply unfair and could lead to monopolization.

<sup>1</sup> Your speed loading data or streaming from different sites may still vary to an amazing degree even when ISPs *are* being completely neutral. Speed of Internet traffic depends on many factors, including but not limited to: Wi-Fi hardware, your device(s), simultaneous users on one Internet connection, simultaneous requests for Internet data, interference from other wireless devices nearby, the speed of the data as it is sent to you from its source, ISP network congestion, and ISP network management.



# Cut the Cable:

SAY GOODBYE TO CABLE TV AND USE CHEAPER ENTERTAINMENT SERVICES



	Netflix	Amazon	Hulu	HBO Go	Showtime	CBS/AllAccess	SlingTV	YouTubeTV	DirectV/ATT Now	AT&T WatchTV
<b>Price/month</b>	\$8.99-15.99	\$8.99 \$120/year	Stream: \$7.99 Bundle: \$39.99	\$14.99	\$10.99	\$5.99, limited ads	\$30, or \$45	\$50	\$65	\$15
<b>Where</b>	Almost everywhere	Almost everywhere, not Google	Streaming most devices	Most devices	Most devices	Most devices	Most devices	Most devices, not on Amazon	Many devices	Most devices
<b>Bundle?</b>	No	No	Yes	No	No	No	Yes	Yes	Yes	Yes
<b>Pros</b>	Huge library of content	Prime benefits	Live TV, service tiers, movie library	Exclusives, not a cable add-on	Exclusives, not a cable add-on	Archived classics, live content	Lots of options	Unlimited DVR, sports coverage	Many bundles	Starter bundle
<b>Cons</b>	No live TV content	No live TV content	Disney association	Only HBO content	Only Showtime	Only CBS, advertising	Bundle can change	Google integration, can change	Price increases	Few channels
<b>Best for</b>	Binge watching archive of shows, original content library	Amazon Prime users binging, like their originals	Beginning cut the cable users	Those who like HBO's specific shows	Those who like Showtime shows	Those who like CBS shows	Live channels but not cable	YouTube addicts, sports millennials	Live channels but not cable	AT&T cell phone users
<b>Original Shows</b>	<i>The Crown, The Witcher</i>	<i>Marvelous Mrs. Maisel</i>	<i>Handmaid's Tale</i>	<i>Game of Thrones</i>	<i>Shameless</i>	<i>Star Trek</i> TV reboot	None	Few originals	Few originals	None
<b>Sub-acts/ at once</b>	5 sub-accounts, 1, 2\$, 4\$ at once	3 streams at once	1, 2\$ streams at once	"household" shares ok	3 streams at once	2 streams at once	Blue: 1 Orange: 3	6 profiles, 3 at once	2 streams at once	1 stream



# Cut the Cable:

SAY GOODBYE TO CABLE TV AND USE CHEAPER ENTERTAINMENT SERVICES



## *How to actually go about canceling cable TV service*

As cable TV providers lose subscribers and increase prices, you might want to cancel your service entirely.



*Comcast Xfinity*

1. **Call 1-800-XFINITY (1-800-934-6489) and go through their phone tree for “cancelling service”.** Hours: Monday-Friday 6am-7pm, Saturday 7am-4pm central standard time, closed Sunday. Have your account number (toward top of bills) and SSN ready.

Be kind but firm when/if you get real people on the line. Ask for a reference number so you have evidence of your call to them. Before calling come up with a story and stick to it – although saying that cable TV costs too much will likely route you to customer retention rather than account cancellation, so be careful. Maybe say kids or grandkids are too distracted by TV if they want a reason why you’re cancelling.

**2. Return any equipment you rented from Comcast.**

- a. Go to a Comcast location and return the equipment. Make sure to get a receipt. Locate their offices here: [xfinity.com/support/service-center-locations/](http://xfinity.com/support/service-center-locations/)
- b. Go to a UPS Store location. Make sure to get a receipt and take down the tracking number. Locate their offices here: [upsstoreprint.com/stores](http://upsstoreprint.com/stores)  
[xfinity.com/support/cable-tv/returning-your-equipment/](http://xfinity.com/support/cable-tv/returning-your-equipment/)

3. **Call Comcast back later to make sure they cancelled cable TV service as you requested.** Have your equipment return receipts, call reference numbers, account number, etc. ready.

4. **Check future bills carefully to make sure you’re *only* getting charged for Internet service.**

More info: [xfinity.com/support/internet/cancel-my-xfinity-services/](http://xfinity.com/support/internet/cancel-my-xfinity-services/) , [billfixers.com/blog/how-to-cancel-comcast](http://billfixers.com/blog/how-to-cancel-comcast)



*AT&T*

1. **Call 800-288-2020 during their normal business hours**, which are Monday-Friday 8am-7pm, Saturday 8am-5pm, closed Sunday. Have your account number (top of bills) and SSN ready.

Be kind but firm when/if you get real people on the line. Ask for a reference number so you have evidence of your call to them. Come up with a story before you call and stick to it.

**2. Return any equipment you rented from AT&T.**

- a. Go to a UPS Store location. Make sure to get a receipt and take down the tracking number. Locate their offices here: [upsstoreprint.com/stores](http://upsstoreprint.com/stores)  
[att.com/esupport/article.html#!/u-verse-tv/KM1009508](http://att.com/esupport/article.html#!/u-verse-tv/KM1009508)

3. **Call AT&T back later to make sure they cancelled cable TV service as you requested.** Have your equipment return receipts, call reference numbers, account number, etc. ready.

4. **Check future bills carefully to make sure you’re *only* getting charged for Internet service.**



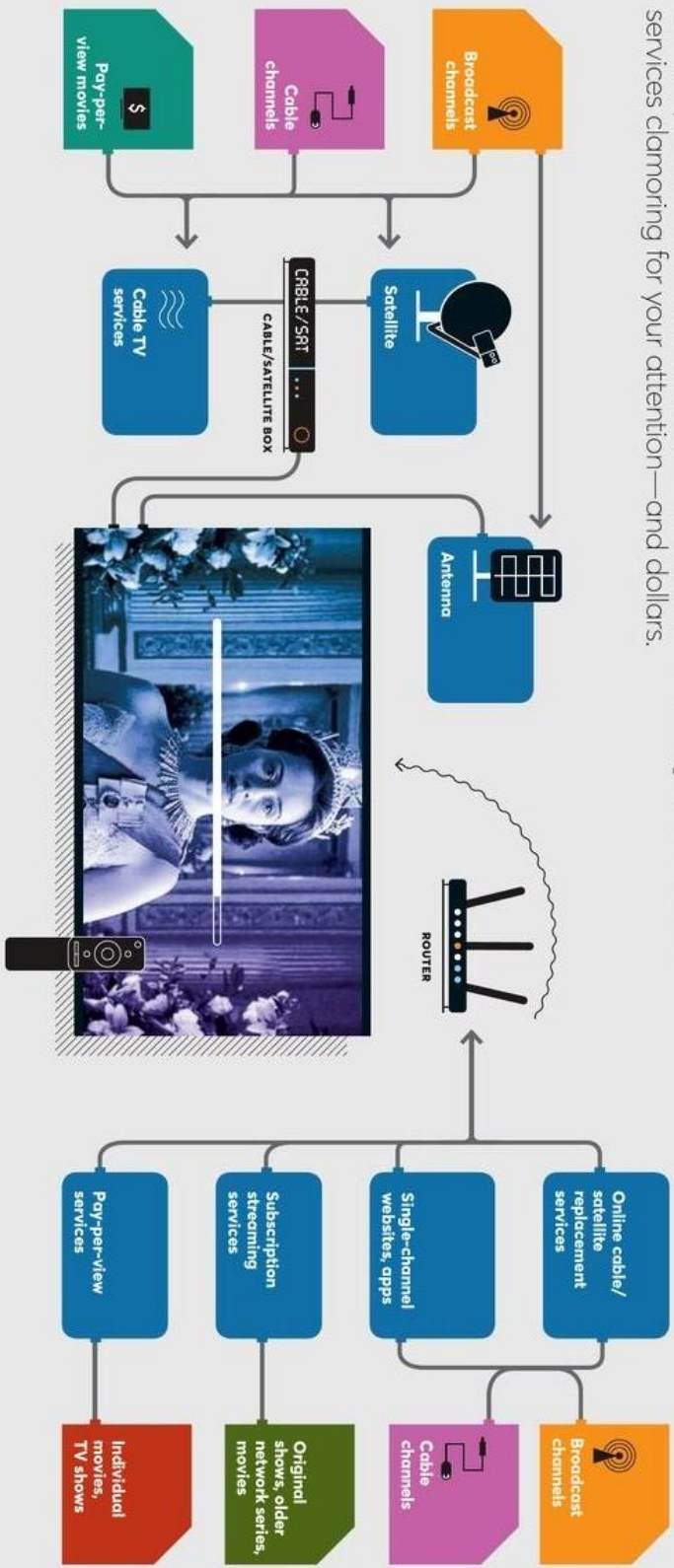
# Cut the Cable:

SAY GOODBYE TO CABLE TV AND USE CHEAPER ENTERTAINMENT SERVICES

Willcox, J. K. (2017, August). "Does Anyone Still Need Cable?" *Consumer Reports*, 82(8), pg. 26-27. *Access Consumer Reports through the library in-person or at: [eapl.org/resources](http://eapl.org/resources)*

## How Content Gets to You

Today, you can watch many of the same shows and movies using cable, satellite providers, online services, or even antennas. This diagram shows the services clamoring for your attention—and dollars.



## Your Expanding Options

**Cable TV**  
You know these guys—companies such as Comcast, Charter, and Optimum that charge you monthly fees, ranging from occasional promotional rates as low as \$30 per month for TV to more than \$100, if you like familiar, programmed television, as well as live local sports and news. It's hard to get around a traditional pay TV package. These same providers also supply internet and landline phone service.

**Satellite TV**  
Satellite companies such as DirectV and Dish provide paid TV services, just like cable companies—but you'll probably need a separate line to your home for internet. Prices usually range from \$50 to \$125, depending on the amount of programming.

**Online Cable Replacement**  
Services such as Sling TV and Hulu With Live TV compete directly with cable by offering live channels online for a monthly fee of around \$20 to \$40. But the choices can be limited. You can get a smattering of broadcast (such as ABC and NBC) and cable-type (Bravo, CNN, HGTV) channels. Premium channels (HBO, Showtime) may be on top for an added fee.

**Single-Channel Websites, Apps**  
You can subscribe to some TV channels' websites and apps to watch just their shows without signing up for a larger TV package. CBS, HBO, Showtime, and Starz all offer this option. Some channels have apps that let you watch their content only if you are already paying through a cable or satellite subscription. (Also see "6 Ways to Watch HBO," on page 28.)

**Subscription Streaming**  
Netflix, Amazon Prime, Hulu, and other smaller players charge a subscription fee, usually around \$8 to \$10 per month, for unlimited viewing of all their TV content and movies, including original shows such as Netflix's "House of Cards." Shows are delivered over the internet, so you can watch on a computer, smart TV, or mobile device.

**Pay-Per-View Services**  
Services such as iTunes and Vudu let you rent or buy single titles—a movie, one episode of a show, or a whole season. Amazon Video—the company's pay-per-view service—offers this option, too. (Note: Amazon Prime members: Not all of Amazon's content is included with your subscription.)

	Direc TV Now	FuboTV	Hulu Live TV	Philo	PS Vue	Sling TV Orange	Sling TV Blue	AT&T Watch TV	YouTube TV
Base Monthly Price	\$40	\$45	\$40	\$16	\$45	\$25 (or \$40 with Sling Blue)	\$25 (or \$40 with Sling Orange)	\$15	\$40
Simultaneous Streams	2	2	2	3	3, plus 2 more at home	1	3	1	3
Purchase more streams	\$5/mo for third stream	\$6/mo for third stream	\$15/mo: Unlimited in-home, 3 out-of-home	--	--	--	--	--	--
DVR	✓	✓	✓	✓	✓ (Not on some local channels)	\$5/mo (No Disney-owned channels)	\$5/mo	--	✓
DVR Time Limit	30 Days	None	None	30 Days	28 Days	None	None	N/A	9 Months
DVR Storage Limit	20 hours	30 Hours	50 Hours	Unlimited	Unlimited	50 Hours	50 Hours	N/A	Unlimited
DVR Storage Upgrade	--	\$10/mo: 500 Hours	\$15/mo: 200 Hours	--	--	--	--	N/A	--
DVR Allows Ad-Skipping	✓	✓	w/ Storage Upgrade	✓	✓	✓	✓	N/A	Not on CBS
Device access restrictions	None	None	No TV devices outside the home	None	1 TV device stream outside the home (if none are streaming at home)	None	None	None	None
User profiles	1	1	6	1	5	1	1	1	6
60 FPS support	✓	✓	Apple TV, iOS, Xbox One, Samsung TVs, Nintendo Switch	--	PS4, Fire TV boxes, Apple TV, Nvidia Shield TV, Chromecast	ESPN channels only	Fox Sports channels only	✓	Apple TV, Nvidia Shield TV, Roku, Xbox One, Chromecast (2nd gen)
4K HDR support	--	Select programming	--	--	--	--	--	--	--
Surround Sound	On-demand on Apple TV and Fire TV	--	--	--	--	--	--	--	On-demand shows

Comparison of features of skinny bundles as of 12/27/2018.

[techie.com/article/3211536/streaming-services/best-tv-streaming-services.html](https://techie.com/article/3211536/streaming-services/best-tv-streaming-services.html)

*Service providers sometimes make this information difficult to find, and rules and policies can change at any time.*

	DirectTV Now	Fubo TV	Hulu Live TV	Philo	PS Vue	Sling TV Orange (\$40/mo w/ Blue)	Sling TV Blue (\$40/mo w/Orange)	AT&T WatchTV	YouTube TV
A&E		\$55	\$45	\$20		\$25	\$25	\$15	
ABC	\$50		\$45		\$45				\$50
AMC		\$55		\$20	\$45	\$25	\$25	\$15	\$50
American Heroes				\$20	\$60	+ \$5 (Heartland)	+ \$5 (Heartland)		
Animal Planet			\$45	\$20	\$45			\$15	
Aspfire				\$20					
Audience	\$50							\$15	
AXS TV				\$20		\$25	\$25		
BabyTV		\$60				+ \$5 (Kids)	+ \$5 (Kids)		
BBC America		\$55		\$20	\$45	\$25	\$25	\$15	\$50
BBC World News		\$60		\$20	\$60	+ \$5 (News)	+ \$5 (News)	\$15	\$50
Bein Sports		\$55				+ \$5 (Sports)	+ \$10 (Sports)		
Bein Sports 2-10		\$55							
Bein Sports Español		\$55							
BET	\$50	\$55		\$20		+ \$5 (Lifestyle)	\$25	\$15	
BET Her		\$60			\$20				
BET Jams		\$60							
BET Soul		\$60							
Big Ten Network	\$70	\$55	\$45		\$50				\$50
Bloomberg TV						\$25	\$25		
Boomerang	\$50	\$60	\$45		\$60	+ \$5 (Kids)	+ \$5 (Kids)	\$15	
Bravo	\$50	\$55	\$45		\$45		\$25		\$50
C-SPAN									
C-SPAN2									
Campus Insiders						+ \$5 (Sports)	+ \$10 (Sports)		
Cartoon Network / Adult Swim	\$50	\$55	\$45		\$45	\$25	\$25	\$15	\$50
CBS	\$50	\$55	\$45		\$45				\$50
CBS Sports Network	\$70	\$55	\$45						\$50
CGTN						+ \$5 (News)	+ \$5 (News)		
Cheddar		\$55	\$45	\$20		\$25	\$25		\$50
Cinemax	\$70		\$10		\$15				
Cinemax + HBO					\$22				
Cinemoi						+ \$5 (Hollywood)	+ \$5 (Hollywood)		
CMT	\$70	\$55		\$20		+ \$5 (Comedy)	+ \$5 (Comedy)		



	DirectTV Now	Fubo TV	Hulu Live TV	Philo	PS Vue	Sling TV Orange (\$40/mo w/Blue)	Sling TV Blue (\$40/mo w/Orange)	AT&T WatchTV	YouTube TV
CNBC	\$50	\$55	\$45		\$45		+ \$5 (News)		\$50
CNBC World	\$50	\$55	+ \$8 (Entertainment)		\$60				
CNN	\$50	\$55	\$45		\$45	\$25	\$25	\$15	\$50
CNN International		\$60	\$45						
Comedy Central	\$50	\$55		\$20		\$25	\$25	\$15	
Cornet TV		\$55			\$50	\$25			\$50
Cooking Channel		\$60	+ \$8 (Entertainment)	\$20	\$50	+ \$5 (Lifestyle)	+ \$5 (Lifestyle)	\$15	
Cozi		\$55			\$45				
CW	\$50	\$55	\$45						\$50
Destination America				\$20	\$45	+ \$5 (Heartland)	+ \$5 (Heartland)		
Discovery			\$45	\$20	\$45		\$25	\$15	\$50
Discovery Family				\$20	\$45				
Discovery Life				\$20	\$60				
Discovery Channel	\$50		\$45		\$45	\$25			\$50
Disney Junior	\$50		\$45		\$45	+ \$5 (Kids)			\$50
Disney XD	\$50		\$45		\$45	+ \$5 (Kids)			\$50
DIY Network		\$60	+ \$8 (Entertainment)	\$20	\$50	+ \$5 (Lifestyle)	+ \$5 (Lifestyle)		
DuckTV						+ \$5 (Kids)	+ \$5 (Kids)		
EI	\$50	\$55	\$45		\$45		\$25		\$50
EI Rey						\$25	\$25		
Eleven Sports		\$55			\$60				
Epix						+ \$5 (Epix)	+ \$5 (Epix)		
Epix 2						+ \$5 (Epix)	+ \$5 (Epix)		
Epix Drive-In						\$25	\$25		
Epix Hits					\$60	+ \$5 (Epix)	+ \$5 (Epix)		
ESPN	\$50		\$45		\$45	\$25			\$50
ESPN Bases Loaded					\$50 + \$10 (Sports)	+ \$5 (Sports)			
ESPN Buzzer Beater						+ \$5 (Sports)			
ESPN Classic					\$50 + \$10 (Sports)				
ESPN College Extra			\$45		\$50				
ESPN Deportes					\$60	+ \$5 (Spanish)			
ESPN Goal Line					\$50 + \$10 (Sports)	+ \$5 (Sports)			
ESPN-SEC Network	\$70		\$45		\$50	+ \$5 (Sports)			\$50
ESPN-SEC Network+						+ \$5 (Sports)			
ESPN2	\$50		\$45		\$45	\$25			\$50
ESPNNEWS	\$70		\$45		\$50	+ \$5 (Sports)			\$50
ESPNU	\$70		\$45		\$50	+ \$5 (Sports)			\$50
ESportsTV					\$60				
Euronews						+ \$5 (News)	+ \$5 (News)		
Family Channel				\$20					

FamilyNet	DirectTV Now	Fubo TV	Hulu Live TV	Philo	PS Vue	Sling TV/Orange (\$40/mo w/ Blue)	Sling TV Blue (\$40/mo w/Orange)	A/T&T WatchTV	YouTube TV
Fandor Festival						+ \$5 (Heartland)	+ \$5 (Heartland)		
Fight Network		+ \$9 (Sports Plus)				+ \$5 (Hollywood)	+ \$5 (Hollywood)		
Film Detective						+ \$5 (Hollywood)	+ \$5 (Hollywood)		
Flama						\$25	\$25		
Food Network		\$55	\$45	\$20	\$45	\$25	\$25	\$15	\$50
Fox		\$55	\$45		\$45		\$25		\$50
Fox Business		\$55	\$45		\$45				\$50
Fox College Sports regionals		+ \$9 (Sports Plus)			\$60				
Fox Deportes		\$55			\$60				
Fox News		\$55	\$45		\$45				\$50
Fox Soccer Plus		+ \$6 (Intl Sports Plus)			\$15				\$15
Fox Sports regionals		\$55	\$45		\$50		\$25		\$50
France24						+ \$5 (News)	+ \$5 (News)		
Free Speech TV						+ \$5 (News)	+ \$5 (News)		
Freeform		\$50	\$45		\$45	\$25			\$50
FS1		\$50	\$45		\$50		\$25		\$50
FS2		\$70	\$45		\$50		\$25		\$50
Fubo Cycling		+ \$12 (Cycling Plus)							
FuboTV Network		\$55							
Fuse		\$55							
Fusion					\$60	+ \$5 (News)			
FX		\$50	\$45		\$45		\$25		\$50
FXM		\$50	\$45		\$60				\$50
FXX		\$50	\$45		\$45		\$25		\$50
FYI		\$55	+ \$8 (Entertainment)	\$20		+ \$5 (Lifestyle)	+ \$5 (Lifestyle)	\$15	
Galavision		\$55				\$25	\$25		
GINX Sports TV		\$60			\$60				
Golf Channel		\$70	\$45		\$50		+ \$10 (Sports)		\$50
GOLTV		+ \$6 (Intl Sports Plus)							
GSN		\$60		\$20		+ \$5 (Comedy)	+ \$5 (Comedy)		
Hallmark Channel		\$50		\$20	\$50	+ \$5 (Lifestyle)	+ \$5 (Lifestyle)	\$15	
Hallmark Drama		\$55		\$20	\$60	+ \$5 (Lifestyle)	+ \$5 (Lifestyle)		
Hallmark Movies & Mysteries		\$55		\$20	\$60	+ \$5 (Lifestyle)	+ \$5 (Lifestyle)	\$15	
HBO		\$50	\$15		\$80 (or + \$15)				
HDNet Movies						+ \$5 (Hollywood)	+ \$5 (Hollywood)		
HGTV		\$55	\$45	\$20	\$45	\$25	\$25	\$15	\$50
Hi-Yah					\$60				
History		\$55	\$45	\$20		\$25	\$25	\$15	
HLN	\$50	\$55	\$45		\$45	+ \$5 (News)	+ \$5 (News)	\$15	\$50

	DirectTV Now	Fubo TV	Hulu Live TV	Philo	PS Vue	Sling TV Orange (\$40/mo w/ Blue)	Sling TV Blue (\$40/mo w/Orange)	AT&T WatchTV	YouTube TV
IFC		\$55		\$20	\$50	\$25	\$25	\$15	\$50
Impact					\$60				
INSP		\$60							
Investigation Discovery			\$45	\$20	\$45	\$25	\$25	\$15	\$50
Life				\$20					
Lifetime		\$55	\$45	\$20		\$25	\$25	\$15	
Lifetime Movie Network		\$55	+ \$8 (Entertainment)	\$20		+ \$5 (Lifestyle)	+ \$5 (Lifestyle)	\$15	
Local Now		\$55				\$25	\$25		\$50
Logo		\$60		\$20		+ \$5 (Comedy)	+ \$5 (Comedy)		
Longhorn Network	\$70				\$50 + \$10 (Sports)				
Machinima					\$60				
MAV TV		+ \$5 (Adventure Plus)							
MLB Network					\$50	+ \$5 (Sports)	+ \$10 (Sports)		\$50
MLB Strike Zone					\$50 + \$10 (Sports)				
Motorsport TV						+ \$5 (Sports)	+ \$10 (Sports)		
MotorTrend			\$45	\$20	\$60	\$25		\$15	\$50
MSG	\$70	\$55							
MSG+	\$70	\$55							
MSNBC	\$50	\$55	\$45		\$45		+ \$6 (News)		\$50
MTV	\$50	\$55		\$20		+ \$5 (Comedy)	+ \$5 (Comedy)		
MTV Classic		\$60		\$20					
MTV Live		\$60		\$20					
MTV2		\$60		\$20		+ \$5 (Comedy)	+ \$5 (Comedy)	\$15	
MTVU		\$60							
Nat Geo Wild	\$50	\$55	\$45		\$60		\$25		\$50
National Geographic	\$50	\$55	\$45		\$45		\$25		\$50
NBA TV		\$55			\$50	+ \$5 (Sports)	+ \$10 (Sports)		\$50
NBC	\$50	\$55	\$45		\$45		\$25		\$50
NBC Sports Regionals	\$70	\$55	\$45		\$45		\$25		\$50
NBCSN	\$50	\$55	\$45		\$45		\$25		\$50
NDTV 24x7						+ \$5 (News)	+ \$5 (News)		
NECN			\$45		\$50				\$50
NESN National					\$50 + \$10 (Sports)				
NESN Regional		\$55							\$50
News18						+ \$5 (News)	+ \$5 (News)		
Newsmax						+ \$5 (News)	+ \$5 (News)		
Newsy						\$25	\$25		\$50
NFL Network		\$55			\$50		\$25		
NFL Redzone		+ \$9 (Sports Plus)			\$50 + \$10 (Sports)	+ \$5 (Sports)	+ \$10 (Sports)		
NHL Network						+ \$5 (Sports)	+ \$10 (Sports)		

	DirectTV Now	Fubo TV	Hulu Live TV	Philo	PS Vue	Sling TV Orange (\$40/mo w/ Blue)	Sling TV Blue (\$40/mo w/Orange)	A&T WatchTV	YouTube TV
Nick Jr.	\$50	\$55		\$20		+ \$5 (Kids)	\$25		
Nick Music		\$60							
Nickelodeon	\$50	\$55		\$20		+ \$5 (Kids)		\$15	
NickToons		\$60		\$20			+ \$5 (Kids)		
OGN									
Olympic Channel	\$70	\$55	\$45		\$50		+ \$10 (Sports)		\$50
Outdoor Channel		+ \$5 (Adventure Plus)				+ \$5 (Heartland)	+ \$5 (Heartland)		
Outside Television		+ \$5 (Adventure Plus)			\$50 + \$10 (Sports)	+ \$5 (Sports)	+ \$10 (Sports)		
Ovation									
OWN				\$20	\$45			\$15	
Oxygen Network	\$50	\$55	\$45		\$45		+ \$5 (Lifestyle)		\$50
Pac-12 national feed		\$55							
Pac-12 regionals		+ \$9 (Sports Plus)				+ \$5 (Sports)	+ \$10 (Sports)		
Paramount Network	\$70	\$55		\$20		+ \$5 (Comedy)	\$25		
People TV		\$60		\$20					
PIXL						+ \$5 (Heartland)	+ \$5 (Heartland)		
POP	\$50	\$55	\$45		\$45				\$50
Reelz						+ \$5 (Hollywood)	+ \$5 (Hollywood)		
Revolt	\$50	\$60		\$20		+ \$5 (Comedy)	+ \$5 (Comedy)		
RFD-TV						+ \$5 (Heartland)	+ \$5 (Heartland)		
RT Network						+ \$5 (News)	+ \$5 (News)		
Science				\$20	\$45	+ \$5 (News)	+ \$5 (News)		
Showtime	\$11	\$11	\$11		\$80 (or + \$11)	\$10	\$10		\$11
Showtime + Epix Hits					\$14				
Sling Kids						+ \$5 (Kids)	+ \$5 (Kids)		
Smithsonian Channel		\$55	\$45						\$50
SNY	\$70	\$55	\$45		\$50				\$50
Sony Movie Channel		\$60			\$60				
Sports Illustrated TV		+ \$9 (Sports Plus)							
Sportsman Channel		+ \$5 (Adventure Plus)				+ \$5 (Heartland)	+ \$5 (Heartland)		
Stadium		\$60			\$60	\$25	\$25		
Stadium Plus		+ \$9 (Sports Plus)				+ \$5 (Sports)	+ \$10 (Sports)		
Starz	\$11		\$9			\$9	\$9		\$9
Starz Encore Channels									+ \$9 (incl. with Starz)
Sundance TV		\$55		\$20	\$50	+ \$5 (Hollywood)	+ \$5 (Hollywood)	\$15	\$50
Syfy	\$50	\$55	\$45		\$45		\$25		\$50
TBS	\$50	\$55	\$45		\$45	\$25	\$25	\$15	\$50
TeenNick		\$60		\$20		+ \$5 (Kids)	+ \$5 (Kids)	\$15	
Telemundo	\$50	\$55	\$45		\$45				\$50
Telexitos		\$55							

	DirectTV Now	Fubo TV	Hulu Live TV	Philo	PS Vue	Sling TV Orange (\$40/mo w/ Blue)	Sling TV Blue (\$40/mo w/Orange)	AT&T WatchTV	YouTube TV
Tennis Channel		\$60			\$60	+ \$5 (Sports)	+ \$10 (Sports)		\$50
TheBlaze						+ \$5 (News)	+ \$5 (News)		
TLC			\$45	\$20	\$45		\$25	\$15	\$50
TNT	\$50	\$55	\$45		\$45	\$25	\$25	\$15	\$50
Travel Channel		\$55	\$45	\$20	\$45	\$25	\$25		\$50
TruTV	\$50	\$55	\$45		\$45	+ \$5 (Comedy)	\$25	\$15	\$50
Turner Classic Movies	\$50	\$55			\$50	+ \$5 (Hollywood)	+ \$5 (Hollywood)	\$15	\$50
TV Land	\$70	\$55		\$20		+ \$5 (Comedy)	+ \$5 (Comedy)		
TyC Sports		+ \$9 (Sports Plus)							
Unimas		\$55							
Universal Kids	\$50	\$55	\$45		\$60				\$50
Univision		\$55							
Univision Deportes		\$55							
UPtv				\$20					
USA Network	\$50	\$55	\$45		\$45		\$25		\$50
VH1	\$50	\$55		\$20		+ \$5 (Lifestyle)	+ \$5 (Lifestyle)	\$15	
Vibrant						+ \$5 (Lifestyle)	+ \$5 (Lifestyle)		
Viceland		\$55	\$45	\$20		\$25	\$25	\$15	
VSIN		+ \$9 (Sports Plus)							
We TV		\$55		\$20	\$60	+ \$5 (Lifestyle)	+ \$5 (Lifestyle)		\$50
Weather Channel		\$55							
WeatherNation						+ \$5 (News)	+ \$5 (News)		
World Fishing Network		+ \$5 (Adventure Plus)				+ \$5 (Heartland)	+ \$5 (Heartland)		
Z Living HD						+ \$5 (Lifestyle)	+ \$5 (Lifestyle)		

Channels available in certain skinny bundle services as of 8/16/2019.

[techhive.com/article/3211536/best-tv-streaming-services](https://techhive.com/article/3211536/best-tv-streaming-services)

*Note: these offerings are subject to change at any time. Local news channels aren't considered in this list.*

	DirectTV Now	FuboTV	Hulu Live TV	Philo	PS Vue	Sling TV	AT&T WatchTV	YouTube TV
Apple TV	✓	✓	✓	✓	✓	✓	✓	✓
Android TV		✓		✓	✓	✓	✓	✓
Chromecast	✓	✓	✓		✓	✓	✓	✓
Fire TV/Stick	✓	✓	✓	✓	✓	✓	✓	
PlayStation 3					✓			
PlayStation 4					✓			
Roku	✓	✓	✓	✓	✓	✓	✓	✓
Xbox One			✓			✓		✓
Xbox 360			✓					
LG TVs			✓			✓		✓
Samsung TVs	✓		✓			✓		✓
iOS	✓	✓	✓		✓	✓	✓	✓
Android	✓	✓	✓		✓	✓	✓	✓
PC						✓		
Mac								
Web	✓	✓	✓	✓	✓	✓	✓	✓

Apps supported by major skinny bundles as of 8/16/2019.

[techhive.com/article/3211536/best-tv-streaming-services.html](http://techhive.com/article/3211536/best-tv-streaming-services.html)

Note: these offerings are subject to change at any time.

See more information on the previous page.

	Hardware price	Internal DVR storage	Needs external storage?	Needs extra hardware?	Subscription (Monthly)	Subscription (Yearly)	Subscription (Life)	3-year price	3-year price w/ 3 TVs
<b>AirTV</b>	\$120	None	Yes	Connected TV device	\$0	\$0	\$0	\$210	\$290
<b>Channel Master Stream+</b>	\$150	None	Yes	No	\$0	\$0	\$0	\$200	\$600
<b>Fire TV Recast 2-Tuner</b>	\$230	500 GB	Yes	Fire TV	\$0	\$0	\$0	\$270 <sup>3</sup>	\$350 <sup>3</sup>
<b>Fire TV Recast 4-Tuner</b>	\$280	1 TB	Optional	Fire TV	\$0	\$0	\$0	\$320 <sup>3</sup>	\$400 <sup>3</sup>
<b>HDHomeRun DVR</b>	\$100	None	Yes	Nvidia Shield, PC, or NAS	None	\$35	None	\$435 <sup>1 2</sup>	\$515 <sup>3</sup>
<b>HDHomeRun + Plex</b>	\$100	None	Yes	Nvidia Shield, PC, or NAS	\$5	\$40	\$120	\$450 <sup>1 2</sup>	\$530 <sup>3</sup>
<b>HDHomeRun + Channels</b>	\$100	None	Yes	Nvidia Shield, PC, or NAS	\$8	\$80	None	\$570 <sup>1 2</sup>	\$650 <sup>3</sup>
<b>MediaSonic Homeworx</b>	\$35	None	Yes	No	\$0	\$0	\$0	\$65	\$255
<b>Tablo Dual Lite</b>	\$140	None	Yes	Connected TV device	\$5 <sup>5</sup>	\$50 <sup>5</sup>	\$150 <sup>5</sup>	\$380 <sup>1 3</sup>	\$460 <sup>3</sup>
<b>Tablo Dual</b>	\$180	64 GB	Optional	Connected TV device	\$5 <sup>5</sup>	\$50 <sup>5</sup>	\$150 <sup>5</sup>	\$370 <sup>3</sup>	\$450 <sup>3</sup>
<b>Tablo Quad</b>	\$200	None	Yes	Connected TV device	\$5 <sup>5</sup>	\$50 <sup>5</sup>	\$150 <sup>5</sup>	\$440 <sup>3</sup>	\$520 <sup>3</sup>
<b>Tablo Engine w/ Tuner</b>	\$70	None	Yes	Nvidia Shield	\$5	\$50	None	\$450 <sup>1 2</sup>	\$1,350
<b>TIVO Bolt OTA</b>	\$250	1 TB	No	No	\$7	\$70	\$250	\$490	\$850 <sup>4</sup>

<sup>1</sup> Includes \$50 for external hard drive

<sup>2</sup> Includes \$180 for Nvidia Shield TV

<sup>3</sup> Includes \$40 for Fire TV (or comparable streamer)

<sup>4</sup> Includes \$180 for each Tivo Mini Vox

<sup>5</sup> Tablo guide subscription is optional

Over-the-air TV DVR options as of 4/26/2019.

[techie.com/article/3391067/over-the-air-dvr-prices-compared.html](http://techie.com/article/3391067/over-the-air-dvr-prices-compared.html)

*Note: these offerings are subject to change at any time. Does not include the cost of actual antennas. See more information on the page 4.*