

A decorative graphic on the left side of the slide, consisting of white lines and circles on a blue background, resembling a circuit board or data lines.

CUTTING THE CORD UPDATE

THURSDAY

SEPTEMBER 1ST, 2022

2 PM, COMPUTER CLUB CLASSROOM

JEFF WILKINSON

- **Why cut the cord?**
- **What is streaming?**
- **What do I need?**
- **What's on?**
- **Local Channels?**
- **Sports?**
- **Problems!**
- **Questions?**

Why cut the cord?

A lot's changed since we last looked at cord-cutting, but one thing remains constant:

The TV industry doesn't make it easy.

Cutting the Cord

9/1/2022 Rev

Why cut the cord?

- **Cable TV rates continue to climb**
- **Constantly bombarded with information on**
 - **New customer offers not available to you!**
 - **Bundles**
 - **Long term commitments**
 - **Monthly equipment rental fees**
 - **Taxes and Fees**

Why cut the cord?

- Cord cutting - TV viewer can cancel cable or satellite service and receive TV & video content via streaming over the internet
- Retain your internet service provider (ISP)
 - More Choices: T-Mobil, Verizon 5G Home Internet
- Need internet connectivity
 - Email
 - Browse web
 - Be aware of data limits – unlimited available

Why cut the cord?

- You can save Money by Cutting The Cord
- You can not save Money by Cutting The Cord
- Investigate & Understand
 - Research
 - Take advantage of **FREE** Trials
 - Can be difficult to “uncut” the cord

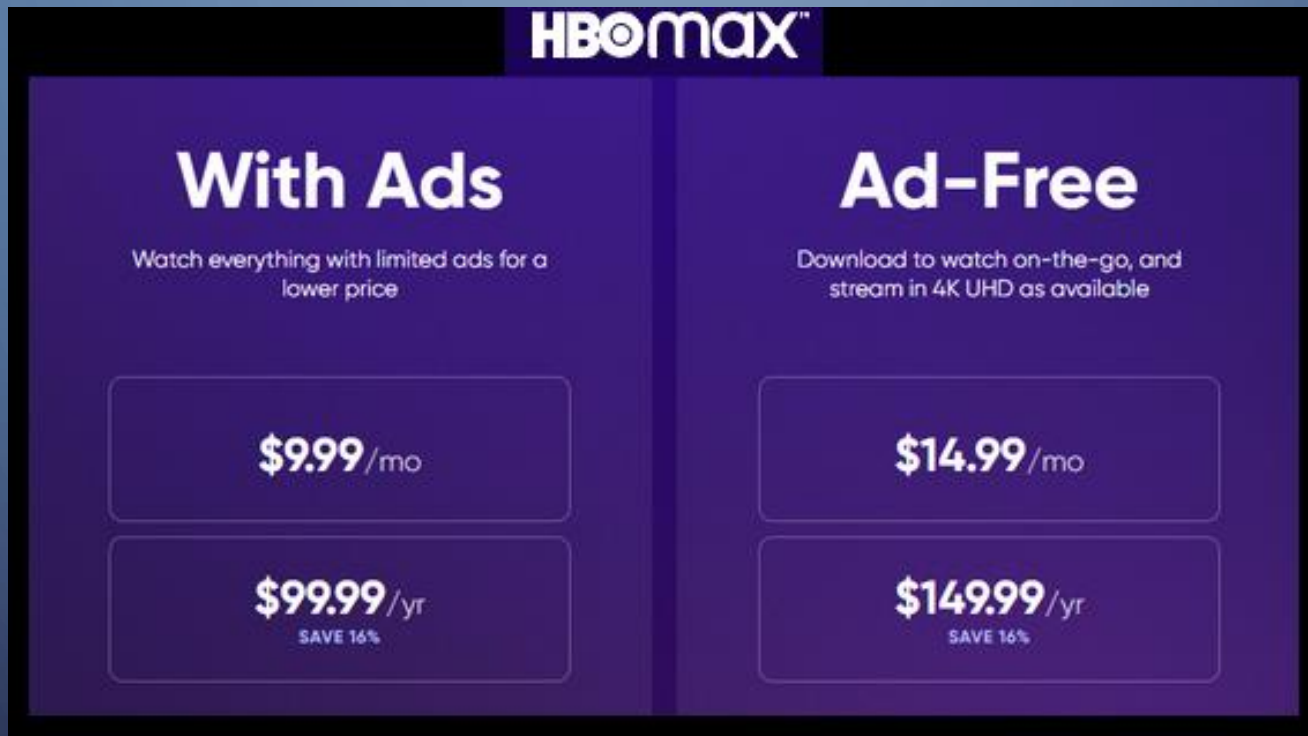
Why cut the cord?

- **Save Money – Not Always!**
- **Choices & Flexibility**
- **No Long Term Contracts**
 - **Able to switch services**
 - **Sign Up – binge watch**
 - **On-Demand**
 - **Time Shift with cloud recording**

More streaming services are offering ad-funded plans as more people move from cable and broadcast to streaming.

Why cut the cord?

And the streaming providers search for additional revenue streams



The image shows a screenshot of the HBO Max website's pricing page. The background is dark purple. At the top center, the HBO Max logo is displayed in white. Below the logo, there are two columns of pricing options. The left column is titled 'With Ads' and the right column is titled 'Ad-Free'. Each column contains two pricing options: a monthly rate and an annual rate. The annual rates include a 'SAVE 16%' label. The 'With Ads' column shows a monthly rate of \$9.99 and an annual rate of \$99.99. The 'Ad-Free' column shows a monthly rate of \$14.99 and an annual rate of \$149.99. Below each pricing option is a brief description of the service features.

Plan	Monthly Rate	Annual Rate	Annual Savings
With Ads	\$9.99/mo	\$99.99/yr	SAVE 16%
Ad-Free	\$14.99/mo	\$149.99/yr	SAVE 16%

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Streaming may not be for you if:

- **Your combined streaming services are more expensive than your old cable bill**
- **You only watch shows on network TV or cable channels anyway**
- **Some sports channels are ONLY included in cable/satellite packages**

Why cut the cord?



What is streaming?

- When you stream a movie or song, the data is sent to you as it's playing, meaning that you don't have to wait for the entire file to download first.
- Preload or buffer for smooth playback
- Data to play each frame of movie or note of a song sent, used, then discarded
- Saves local storage space
- Requires active internet connection and minimum speeds
- Uses data

What is streaming?

- Research –
 - Look before you Leap
 - What Streaming Device?
 - What channels must you have?
 - Free Offerings & trials
 - Over the Air (OTA)
 - Suppose.tv

Spend time ...lots of information

Suppose...

TV MARKET AREA
Las Vegas

Home How It Works Partner Solutions About

Select

your preferred channels

Prioritize

by dragging up or down

Refine

get more

save more \$

2+ simultaneous streams

DVR required

Any Provider

Any Device

search channels

Showing top 30 of 467,487,330,240,823,300 combinations evaluated

STARZ

Entertainment

FOX - on demand

TNT

USA

AMC

A&E

TBS

FX

Information

History

Discovery Channel

National Geographic

Animal Planet

Science Channel

TLC

Lifestyle

ABC - KTNV

NBC - KSNV

FOX - KVVU

FOX News C...

FOX Busines...

TCM

Discovery C...

HGTV

BEST FIT

SAVE \$5.00

^{+1>}
Live TV

\$69.99 /mo

see offers worth \$12

YouTube
YouTube TV

\$64.99 /mo

see offers worth \$16

DIRECTV
stream
Entertainment

\$75.59 /mo

see offers worth \$10

dish
America's Top 120
+ DISH Local

\$69.99 /mo

see details

DIRECTV
stream
Choice

\$97.19 /mo

see offers worth \$162

^{+1>}
fubo Starter

\$69.99 /mo

see offers worth \$11

enter email address to receive alerts

FREE with ads – tend to hook you in the beginning and then offer multiple adds a the end!



Movies & Shows

Watch the latest and greatest hits

BROWSE

PURCHASED

Free to Watch on You Tube – stream YouTube to your smart TV or through a streaming devices such as Firestick of Roku

Free to watch shows



Hell's Kitchen
TV-14 • 6 seasons

Free with Ads



Wow! Wow! Wubbzy!
TV-Y7 • 1 season

Free with Ads



Kitchen Nightmares
TV-14 • 6 seasons

Free with Ads



Scream Queens
TV-14 • 2 seasons

Free with Ads



Midsomer Murders
TV-14 • 6 seasons

Free with Ads



H2O: Just Add Water
TV-PG • 3 seasons

Free with Ads



Unsolved Mysteries
TV-14 • 4 seasons

Free with Ads



BeastMaster
TV-14 • 3 seasons

Free with Ads



The Dead Zone
TV-14 • 6 seasons

Free with Ads



Eerie, Indiana: The Other Dimension
TV-Y7 • 1 season

Free with Ads



The Goes Wrong Show
TV-PG • 1 season

Free with Ads



Dan Vs.
TV-PG • 3 seasons

Free with Ads



Most Haunted
TV-PG • 2 seasons

Free with Ads



Wolfblood
TV-PG • 5 seasons

Free with Ads



Masters of Science Fiction
TV-14 • 1 season

Free with Ads



Iron Chef
TV-PG • 2 seasons

Free with Ads



Danger Man
TV-PG • 2 seasons

Free with Ads



Wildfire
TV-14 • 4 seasons

Free with Ads

What do I need?

Streaming Devices



Apple TV 4K



Roku Ultra



Amazon Firestick



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What do I need?



What do I need?

T-Mobile - \$50 per month, unlimited data
A relatively new entry offering 5G Home
Internet and available in Sun City



Deprioritized data – cell traffic 1st

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WHAT'S AVAILABLE

- Many Free streaming channels

- Tubi
- Crackle
- Pluto
- Freevee
- Roku
- Filmrise
- Peacock
- Vudu

- Paid Services

- YouTube TV
- Sling
- Hulu
- Philo
- Fubo
- Disney+
- HBO Max
- Peacock
- Apple TV+
- Netflix

Premium Paid Service

HBO

Showtime

Cinemax

Apple TV

Disney +

Netflix

Prime

Local Channels?



OUTDOOR OTA ANTENNAS



*Many indoor antennas available
Can be mounted on wall or window
Highly directional – rotate for best reception
Location dependent*



What about Cord Cutting & Sports?



- *Use an antenna*
 - *ABC, CBS, NBC, Fox*
- *Consider Sling TV, Fubo*
- *Subscribe seasonally*
- *Embrace the tape delay*
- *Mooch a password*

Problems

- Buffering is the process of preloading of data, downloading data into the “buffer” (memory location), so you can have a smooth video streaming experience.
- When the buffer has enough data to ensure smooth streaming, your show will begin.

Problems

All streaming devices will buffer at one point or another. Ideally, your smart TV streams the video displayed ahead of time so that it's constantly playing without pause. When the video played catches up to where the file hasn't been streaming, there will be a delay.

Problems

The video will pause, and your streaming device will display a rotating circle, spinning arrow, or loading message on the TV screen—This is called buffering.

When the video stream catches up, the video will continue playing.

This might take a few seconds or several minutes.

Depending on the length of the video, the TV user will experience several buffering sessions

Problems

- **ISP Problems – all channels?**
- **Top causes of buffering**
 - **Internet Speed**
 - **Speed Test**
 - **Location of router – power cycle router**
 - **Quality of Equipment**

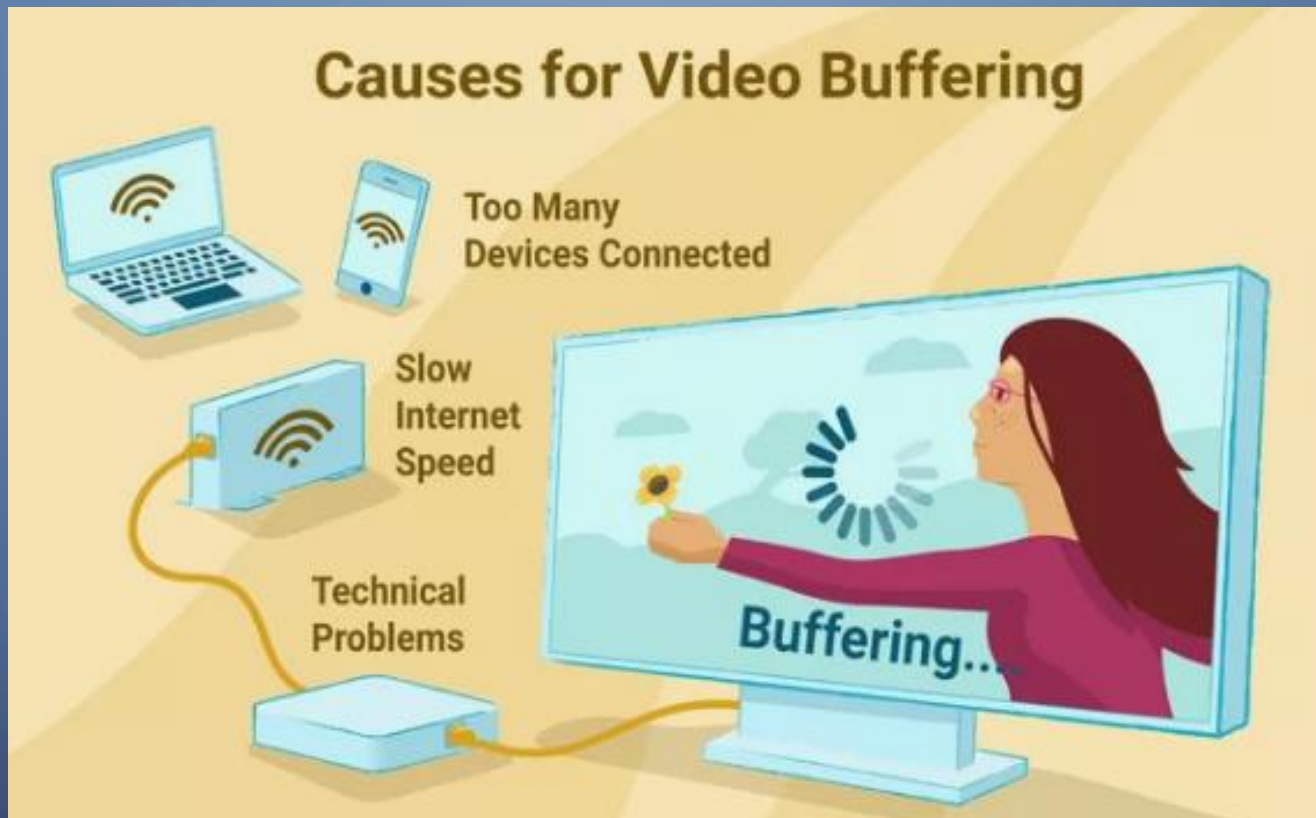
How to Stop a Buffering TV – Pause, give time to fill buffer

Turn your Smart TV On and Off

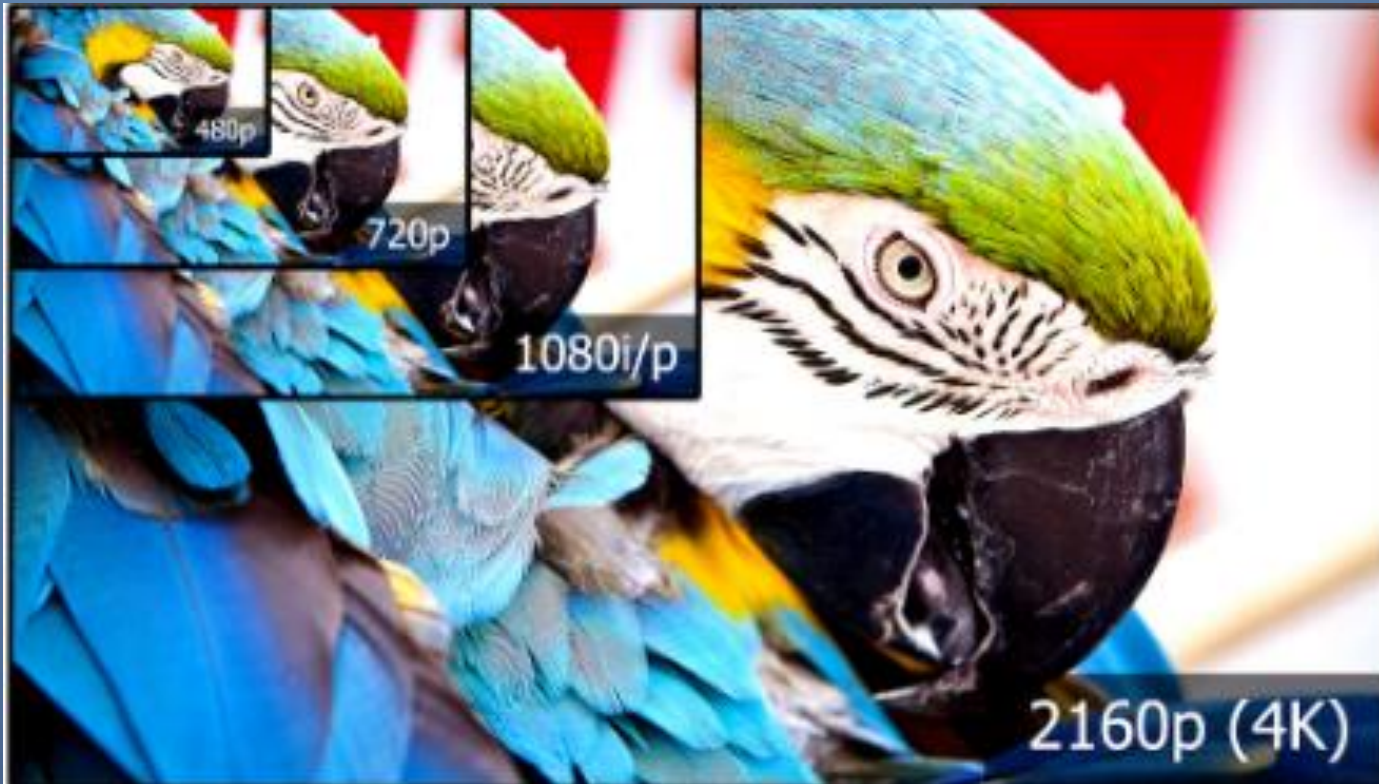
Check for Firmware and Software Updates

Exit Applications running in the Background

Problems



Problems



Video Quality	Mbps Required
720p High Frame Rate	7 Mbps
1080p High Frame Rate	12 Mbps
4K High Frame Rate	68 Mbps

Problems

- Relocate Router
- Phone App to get an idea of signal strength
- TP-Link – Range extenders
- Mesh Router Systems

The image features a dark blue gradient background with white, stylized circuit board traces in the corners. These traces consist of straight lines and right-angle turns, ending in small white circles that represent components or connection points. The traces are located in the top-left, top-right, bottom-left, and bottom-right corners, framing the central text.

Questions?

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