

# PETEFLIX

My automated DVR & on-demand TV system

# WATCH LIST

- Network television (CBS, ABC, FOX, NBC, PBS)
- DVDs
- Streaming movies/TV shows (Netflix, Amazon, etc)
- Podcasts/YouTube
- Home movies

# HOW DID WE GET HERE?

## **Cable company**

- Expensive monthly service & equipment costs.
- Their remote and set-top box/interface is required.
- Advanced features like skipping commercials, pausing TV & on-demand shows require expensive monthly hardware and service fees.

## **Hulu**

- Monthly service cost.
- Still has commercials (can pay extra for no commercials-mostly).
- Have to wait for some shows to be available (up to 8 days after aired).
- Shows expire after time period.

## **Mediasonic HomeWorx**

- TV Shows are only recorded on one box/TV (requiring multiple boxes and setup).
- Cannot start watching on one TV and move to another.
- Poor on-screen interface.

# GOALS

1. Watch over-the-air (OTA) TV for free.
2. Record OTA TV.
3. Cut out TV commercials automatically.
4. Build centralized library of TV shows, movies, home movies & podcasts.
5. Watch everywhere (when I want & how I want)!

# I. WATCH OTA TV

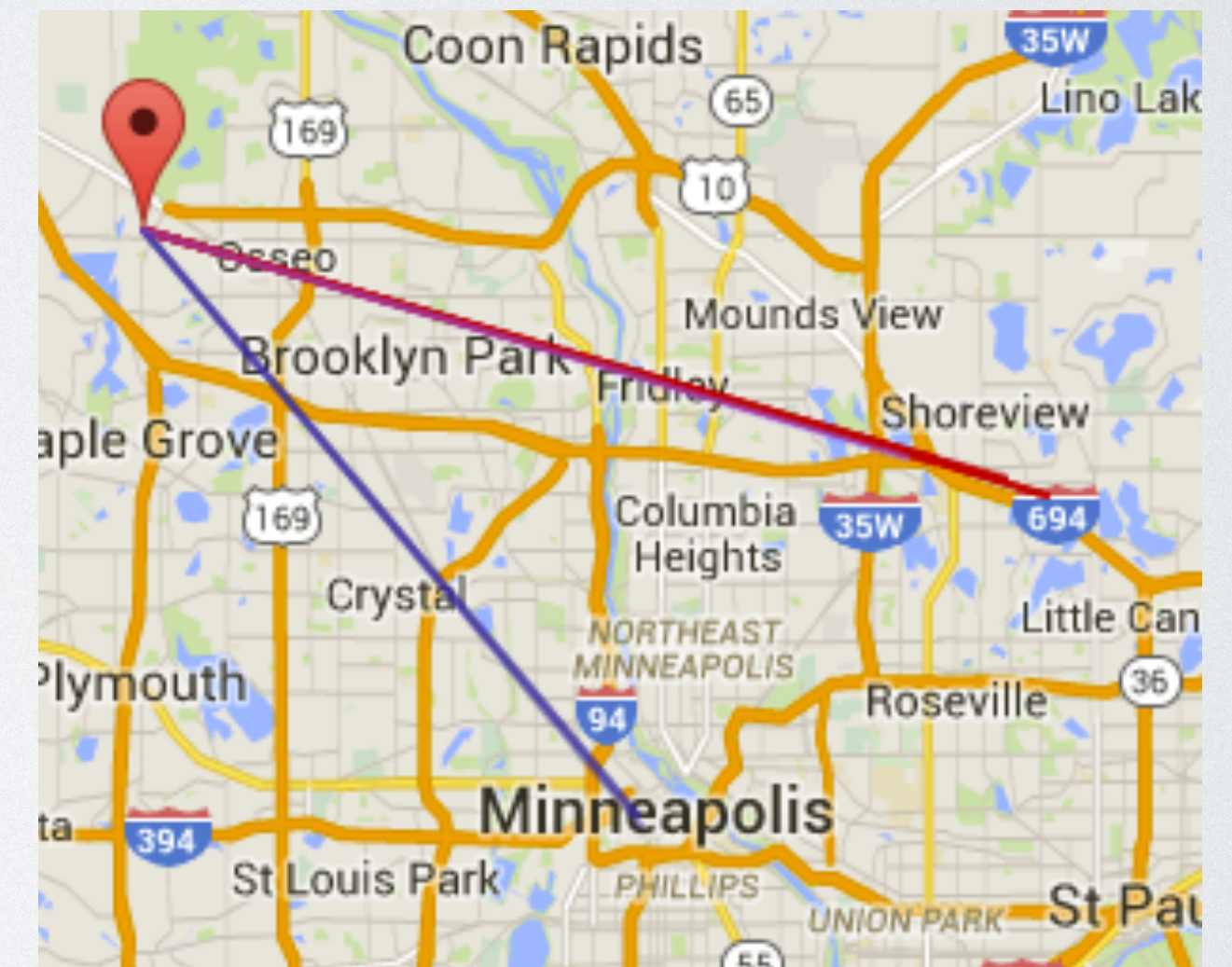


fybush.com

The Telefarm towers



<http://www.antennaweb.org>



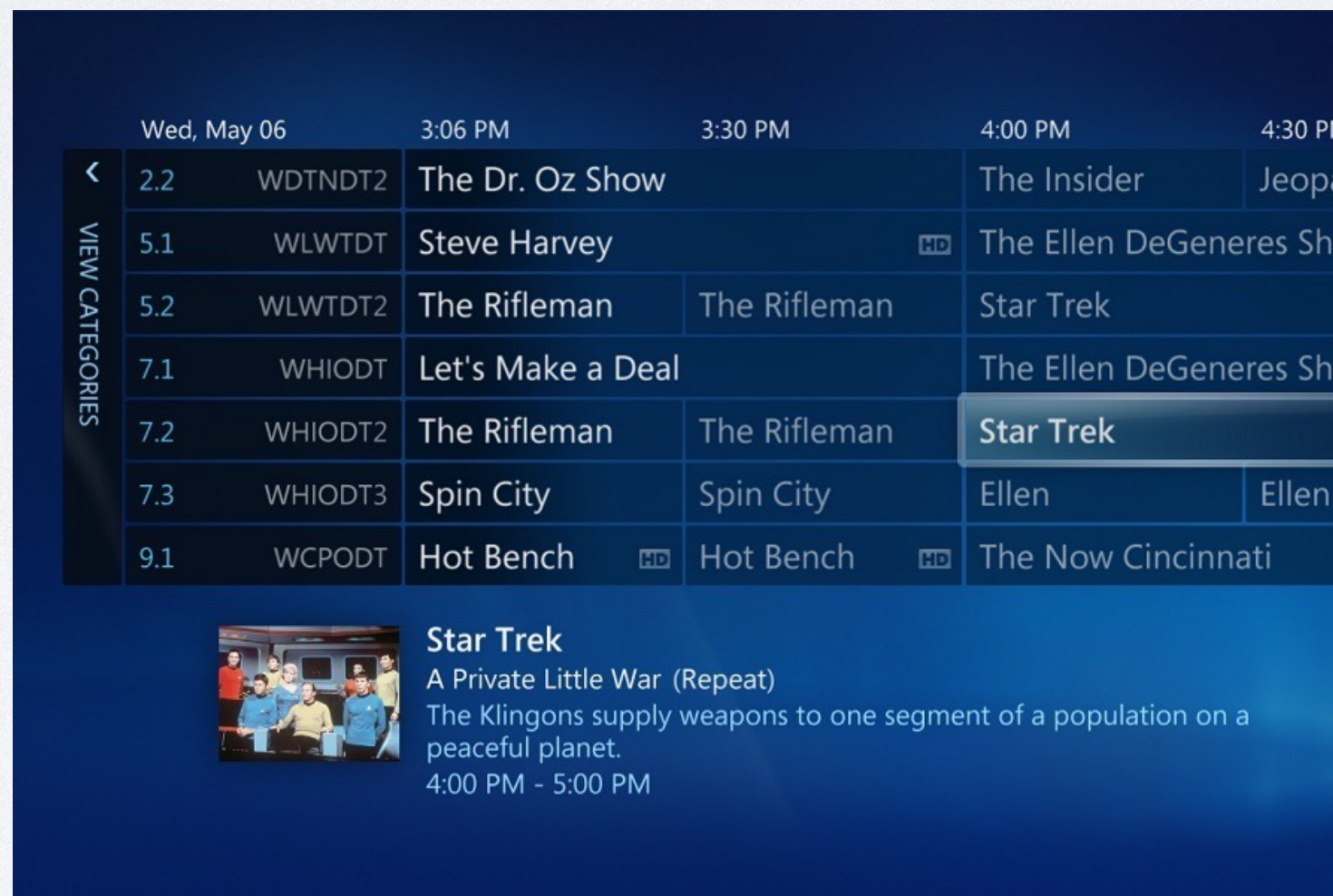
# 2. RECORD OTA TV



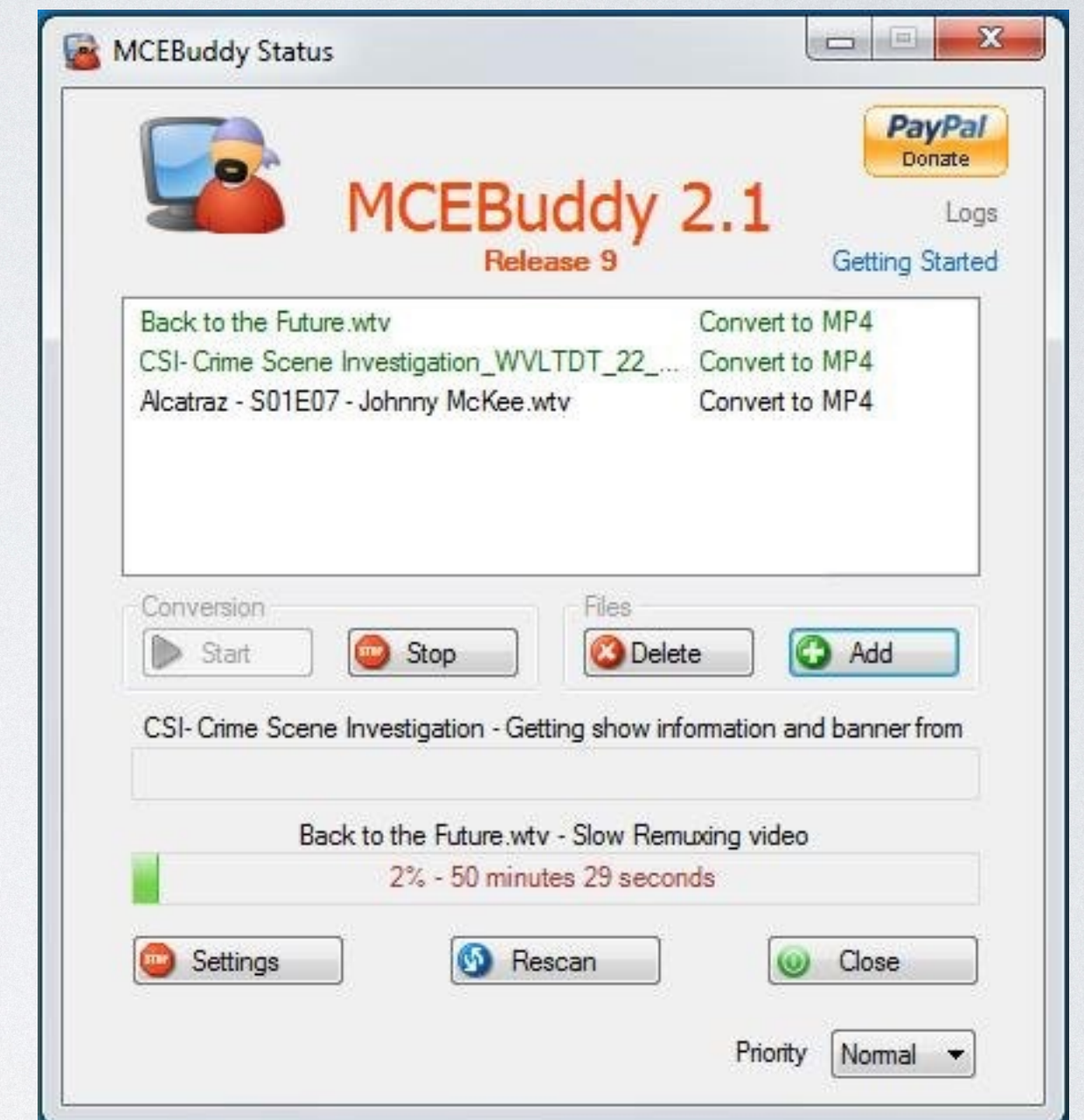
Tune



Windows Media Center

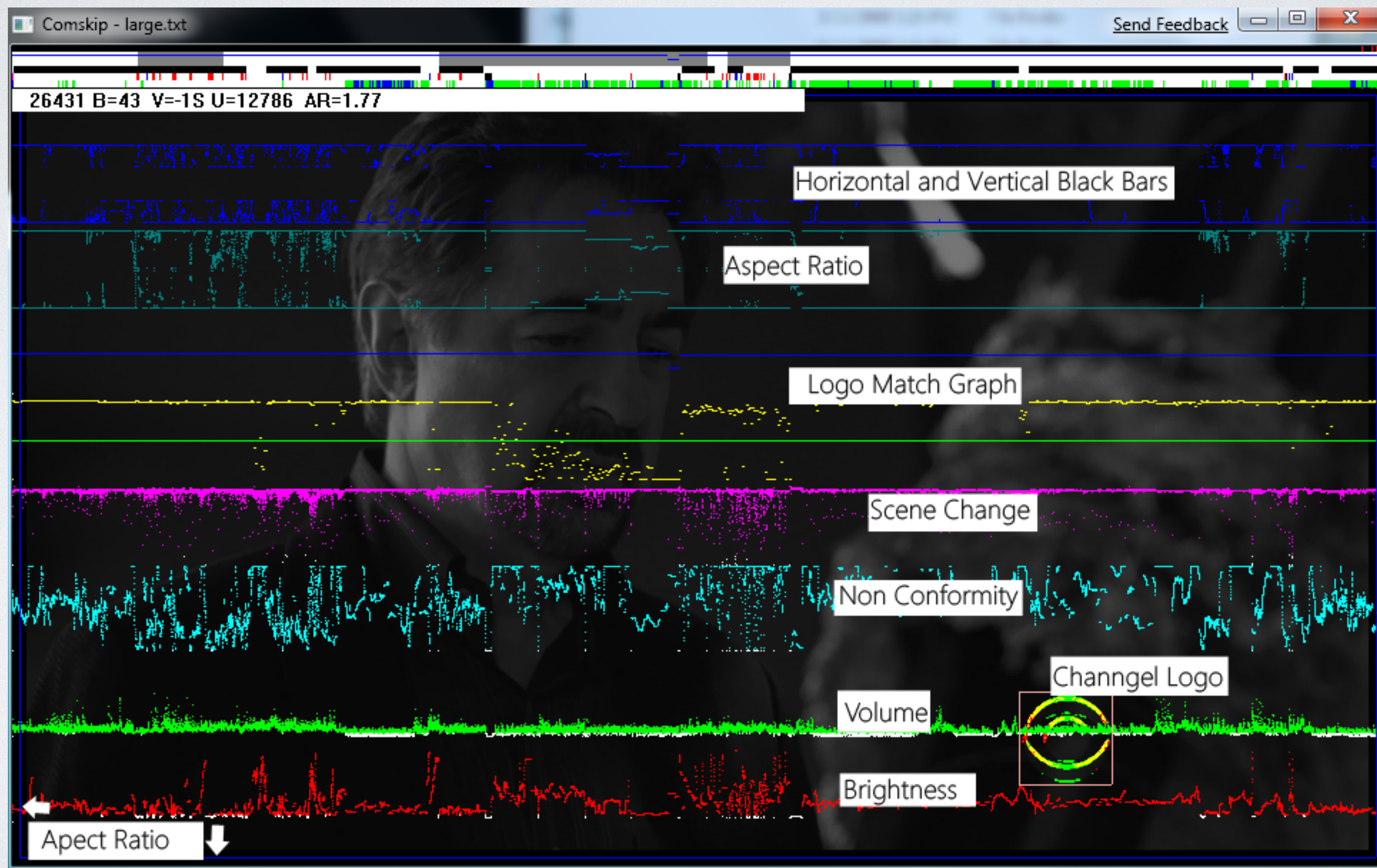


Schedule & Record

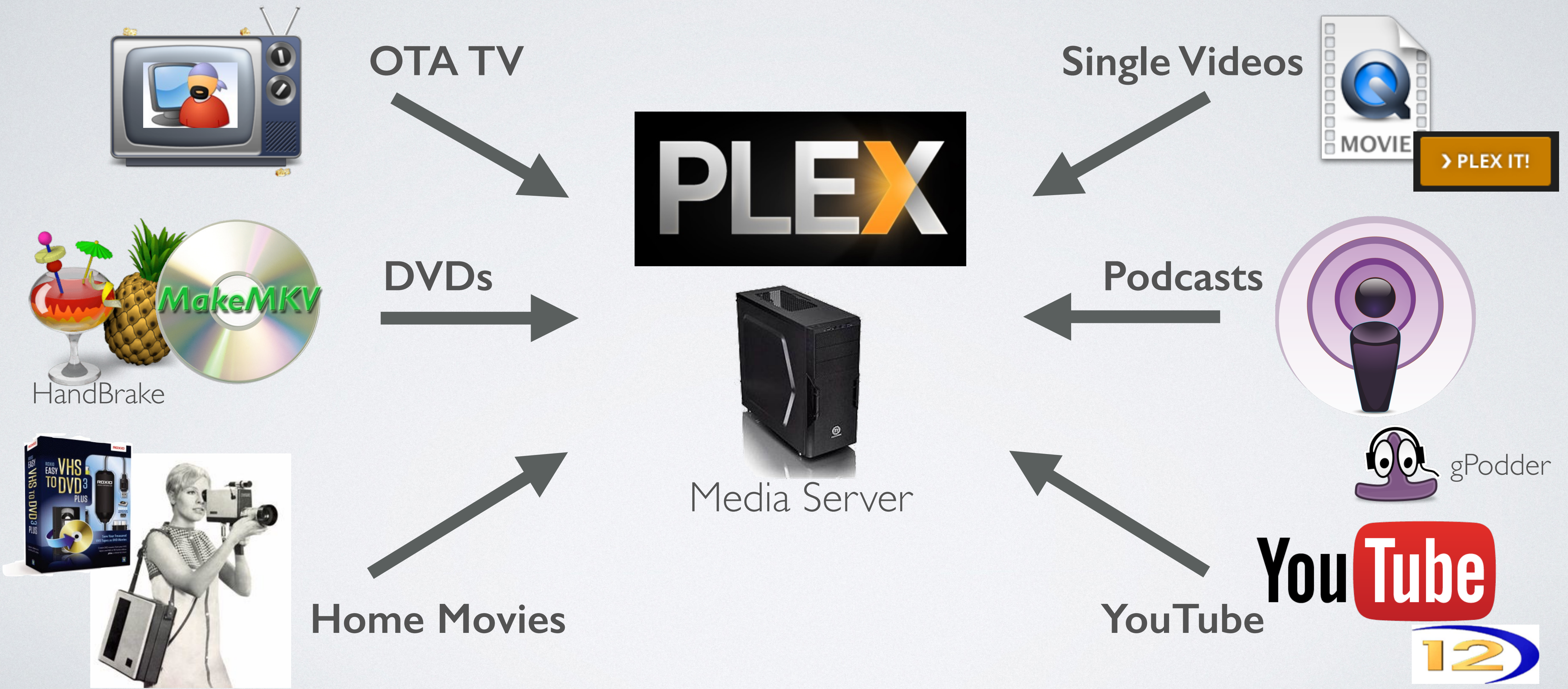


- Convert file format
- Cut commercials
- Rename file (S01E01)
- Convert & Prepare

# 3. CUT OUT COMMERCIALS



# 4. BUILD LIBRARY





# 5. WATCH EVERYWHERE!



- Watch Plex on all TVs with Roku Channel
- Watch Netflix, Amazon, etc with Roku channels
- Watch Plex on Mac via website
- Watch OTA TV on Mac with HD HomeRun/KODI
- Watch Plex on iOS devices with app
- Share Plex libraries with friends/family with Plex Pass

# COSTS

- **One-time**

- **Walltenna** - \$35 (can use almost any antenna)
- **HDHomeRun** - \$100
- **Windows 8+Windows Media Center** - \$110  
(could replace with HDHomeRun DVR soon for \$30/yr)
- **Plex Pass** (lifetime) - \$150 (or \$4.99/mo)
- **Plex Roku channel** - Free
- **Plex iOS app** - Free
- **Roxio Easy VHS to DVD** - \$45
- **Roku** - start at \$49 (can replace with Apple TV, Amazon FireTV or Chromecast)
- **PC** (for WMC & Plex) - \$700 (could replace with Mac)

- **Ongoing**

- **Internet connection** (cable)
- **Netflix** - \$10/mo
- **Maintenance** (time, hardware)

# COST COMPARISON

- **Comcast (Network TV only)**

- \$12/mo for basic network channels + \$10/mo extra for HD + cost of HD set-top boxes on each TV.

- **Comcast (Double play TV & Internet)**

- \$135/mo (\$57 more than just internet)
- \$19.95/mo for DVR service
- \$14/mo per additional TV (3)
- \$91.99 one-time charge

- **TOTAL = ~\$200/mo**

- **iTunes Store**

- ~20 Network TV show = \$400-600/yr

- **TiVo**

- Roamio OTA (DVR) = \$49.99
- TiVo Mini (for each additional TV) = \$149.99
- TiVo service = \$14.99/mo

- **TOTAL = \$500 investment + \$14.99/mo**

# LINKS

- **AntennaWeb** - <http://www.antennaweb.org>
  - Determine antenna location/direction
- **HDHomeRun** - <http://www.hdhome.com>
  - OTA/cable TV tuners
- **MCEBuddy** - <https://mcebuddy2x.codeplex.com>
  - Convert video files for optimized playback/cut commercials/rename files for Plex
- **Comskip** - <http://www.kaashoek.com/comskip>
  - Cut out tv commercials
- **Roku** - <http://roku.com>
  - Stream media on TV
- **Plex** - <https://plex.tv>
  - Media player and server
- **MakeMKV** - <http://www.makemkv.com>
- **HandBrake** - <https://handbrake.fr/>
  - Rip/transcode DVD/Blu-rays into files
- **Roxio Easy VHS to DVD** - <http://www.roxio.com/enu/products/easy-vhs-to-dvd/standard/overview.html>
- **gPodder** - <http://gpodder.org>
  - Download video podcasts and YouTube videos

# CONTACT INFO

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