



*KGTV MythTV*



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## Navigating MythTV

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### Listings

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Listings section is very much like a DVR's TV Guide. You can view the guide information or click on a show to see details. From the details page you can schedule this show to be recorded.

Shows that are scheduled to be recorded are outlined in green. If there is a conflict with a recording, that recording is highlighted in red.

### Recording Schedules

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Recording Schedules is used to view all the recordings that have been setup. Recording types can be one of the following:

- Title Search
- Keyword Search
- People Search
- Power Search
- Timeslot recording

### Manual

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Use the manual tab to schedule a manual recording with a specified timeslot. This can be set to record daily, weekly or a one time recording.

### Custom

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The custom tab can be used to create a recording based on the show title, keywords, people, or advanced (Power) search.

### Upcoming Recordings

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Use this tab to view recordings that are scheduled in the future.

The status column indicates what tuner the recording is scheduled to run on. 'Conflict' indicates there are not enough tuners to fulfill that recording. You can work around this by setting that recording to a higher priority (see the priority section).

### Recorded Programs

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This tab is where you can access all recorded shows, including quadview recordings.

You can filter by channel to find a program on a specific channel. To watch and view details of a specific recording, click on the thumbnail for that recording. This will bring you to a page where you can view an in-browser proxy video, download an ASX stream for VLC, download the full clip, or export a segment of the recording. MythTV storage holds about a month of content and is self regulating. Oldest content gets removed first.

## QuadView

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The quadview page is where quadview recordings are scheduled. The quadview engine runs on a separate set of tuners so these recordings do not affect other scheduled recordings. To create a quadview click on **Create Quad View**, fill in the form and click Create.

## LiveView

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Live View is an experimental page to view channels live through the browser. Since there is only one tuner for this, all viewers watching this see the same channel. Changing channels affects all viewers.

To change channels, click on the dropdown, select the channel and click **change**. You may need to refresh the page if the stream does not load. If you get an error, try changing the channel again.

## Backend Status

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The status page shows status of encoders, schedules, jobs, and storage info.

## Hardware

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The MythTV server consists of 2 OS hard drives one is connected and the other is a backup. This is not a RAID mirror.

The storage raid consists of 4 x 3TB drives that have RAID 10 configuration. This equates to ~5.5TB of usable storage. This drive has redundancy and speed.

There are 3 NIC cards. The onboard NIC is for House LAN communications. The first PCI card is for Tuner communication. The second PCI card is a backup for card 1.

There are 4 HDHomeRun Duo tuners connected via Network. The first two are utilized by MythTV for recording scheduled programs. The other two are used strictly for QuadView recordings. Each HDHomeRun has 2 internal tuners totally 8 tuners for the server to use.

Each tuner is assigned 5 encoders. This allows MythTV to record multiple streams from a single encoder as long as all streams are on the same frequency channel.

delete	sourceid	xmitvid	channum	callsign	name	freqid	finetune	videofilters	brightness	contrast	color	hue	recpriority	commfree	visible	useonairguide
<input type="checkbox"/>	1	26852	15	Azteca	Azteca	75	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	10161	118	CSPAN	CSPAN	117	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	10162	119	CSPAN2	CSPAN2	111	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	17695	120	CSPAN3	CSPAN3	111	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	44019	129	KBEH	KBEH	117	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	12526	135	UCSD-TV	UCSD-TV	117	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	31541	136	KDTF	KDTF	111	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	18021	409	XHJUA	XHJUA	111	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	45740	807	COZI	COZI	75	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	73496	808	ME-TV	ME-TV	91	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	30697	811	V-me	V-me	79	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	69874	813	Antenna	Antenna	91	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	50770	814	ThisTV_	ThisTV_	91	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	40462	815	LiveW	LiveW	75	0		32768	32768	32768	32768	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	24028	1005	Fox5 HD	Fox5 HD	91	0		32768	32768	32768	32768	5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	25019	1006	SD5 HD	SD5 HD	79	0		32768	32768	32768	32768	5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	21213	1007	KNSD HD	KNSD HD	75	0		32768	32768	32768	32768	5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	21212	1008	KFMB HD	KFMB HD	91	0		32768	32768	32768	32768	5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	32781	1009	KUSI HD	KUSI HD	111	0		32768	32768	32768	32768	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	20377	1010	KGTV HD	KGTV HD	75	0		32768	32768	32768	32768	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	29024	1011	KPBS HD	KPBS HD	79	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	68070	1017	KBNT-HD	KBNT-HD	117	0		32768	32768	32768	32768	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	1	00002	9999	Quadview	Quadview	75	0		0	0	0	0	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## SchedulesDirect

<http://www.schedulesdirect.org/> is the service we use to get guide information from Cox. This service is \$25 a year and expires in April each year.

Its currently registered to [Andrew.Moore@10news.com](mailto:Andrew.Moore@10news.com)

## QuadView

The quadview recorded is a custom addon to the standard MythTV. The service is called **quadview**. The scripts are located at `/usr/share/mythtv/`

The main script is **runQuadViews.pl** which triggers **createQuad.pl** for each recording.

## Priorities

To set a recordings priority go to **Recording Schedules** tab and click on the recording you would like to change. From here select the priority from the *Recording priority* dropdown. Higher number is higher priority.

## Proxy Viewing

While in the details page for a recording, you can use the in-browser player to view the recording as well as export a clip. Export feature is only available after the **Create Proxy** job has completed. Once the

proxy has been created you can export a clip using in-point and out-point. The following keyboard shortcuts are available as well as onscreen controls.

Set In-Point:	<b>I</b>
Set Out-Point:	<b>O</b>
Export:	<b>CTRL+E</b>
Play/Pause:	<b>SPACE</b>
Increase Playback Speed:	<b>RIGHT ARROW</b>
Decrease Playback Speed:	<b>LEFT ARROW</b>
Reset Playback Speed:	<b>DOWN ARROW</b>

When exporting a clip, it may take several minutes to start downloading as it takes time to render. The longer the clip is, the longer it takes to begin. Export format is h.264.

## Issues

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Please report issues to the helpdesk <http://kgtv-shopsvr.ad.ewsad.net/help>.