



Create Video DVD's and Audio CD's From DVR Recordings



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- Create a video DVD



- Record, download, decrypt, convert, burn

- Create an audio CD



- Record, download, decrypt, convert, split, burn

- Bonus: Play audio files in your car without a CD



Create a Video DVD from a DVR Recording

Action	From	To	Example
1. Record	TV channel	DVR	Tivo
2. Download	DVR	Computer	Tivo Desktop or kmttg uses your home network to download from Tivo DVR to a .tivo file
3. Decrypt	Proprietary DVR format	Industry-standard video format	tivodecode decrypts .tivo format into .mpg format
4. Convert	Video format	DVD format	Free DVD Creator converts .mpg files to DVD (.vob) format
5. Burn	DVD format	DVD	Free DVD Creator burns .vob files to disk



Steps 2 & 3: Download and Decrypt



kmttg enables you to:

- View lists of recorded shows on multiple Tivos
- Download shows to your computer
- Decrypt files into .mpg format



- It's open source, runs on Windows, Mac, Linux
- Get kmttg from <http://code.google.com/p/kmttg/>

kmttg Screen

download: 2% kmttg v0p7j

File Auto Transfers Help

START JOBS metadata decrypt VRD QS fix Ad Detect Ad Cut captions encode push custom

Encoding Profile: ff_h264_high_rate mpeg4 container, 8Mbps same res h.264 video, copy audio (ac3)

Upstairs Downstairs FILES

Back 'TiVo Suggestions' 33 SHOWS, 25 GB USED (Last updated: 02:03 PM)

	SHOW	DATE	CHANNEL	DUR	SIZE	Mbps
48 Hours: Hard Evidence - My Daughter's Killer		Tue 04/13/10 22:59	271=ID	1:00	0.75 GB	1.79
Chappelle's Show - A realistic look at 'Pretty Woman'		Mon 04/12/10 20:59	63=COMEDYP	0:15	0.22 GB	2.11
The Importance of Being Earnest		Mon 04/12/10 10:14	516=ENCRWA	1:35	1.19 GB	1.79
Nature - Moment of Impact: Jungle		Sun 04/11/10 19:59	9=KQED	1:00	0.74 GB	1.76
48 Hours Mystery - My Mother's Murder		Sat 04/10/10 21:59	5=KPIX	1:00	0.75 GB	1.79
Dateline on ID - Coroner's Jury		Sat 04/10/10 05:59	271=ID	1:00	0.75 GB	1.79
Hang 'Em High		Fri 04/09/10 16:59	501=TCM	2:00	1.44 GB	1.72
Plastic Surgery: Before and After - A Cut Above		Fri 04/09/10 15:59	220=DHC	1:00	0.75 GB	1.79
The Twilight Zone - Walking Distance		Wed 04/07/10 19:59	17=KCSMDT	0:30	0.38 GB	1.79
Forensic Files - Writers Block		Sun 04/04/10 22:59	65=TRUTVP	0:30	0.38 GB	1.79
The Lost Mummy of Imhotep		Fri 04/02/10 01:59	271=ID	1:00	0.75 GB	1.79
NOW on PBS - Television may bring peace to Kenya		Tue 03/23/10 05:59	190=KQEDDT3	0:30	0.38 GB	1.79

CANCEL JOBS


STATUS	JOB	SOURCE	OUTPUT
00:02:53---75.61 MB---3.8 Mbps	download	Downstairs	C:\ProgramData\kmttg\Easy Listening (04_24_2010).TiVo
queued	decrypt	Downstairs	C:\ProgramData\kmttg\Easy Listening (04_24_2010).mpg
queued	download	Downstairs	C:\ProgramData\kmttg\Hang Em High (04_09_2010).TiVo
queued	decrypt	Downstairs	C:\ProgramData\kmttg\Hang Em High (04_09_2010).mpg

Easy Listening
Recorded Sat 04/24/2010 05:59 AM on 939=MCELS, Duration = 240 mins
Relax with the easy sound of great instrumentals as performed by string orchestras and soloists from around the world. Mantovani, Ronnie Aldrich, Living Strings, Percy Faith, Frank Chacksfield.
>> DOWNLOADING C:\ProgramData\kmttg\Easy Listening (04_24_2010).TiVo ...
C:\ProgramData\kmttg\curl\curl.exe --retry 3 --anyauth --globoff --user tivo:MAK --insecure --cookie-jar
C:\Users\Alan\AppData\Local\Temp\cookie1838385567323641602.tmp --url
http://192.168.0.15:80/download/Easy%20Listening.TiVo?Container=%2FNowPlaying&id=2302556&Format=video/x-tivo-mpeg-ts --output
"C:\ProgramData\kmttg\Easy Listening (04_24_2010).TiVo"
249 SHOWS, 138 GB USED
'TiVo Suggestions' 33 SHOWS, 25 GB USED

Hang 'Em High
Recorded Fri 04/09/2010 04:59 PM on 501=TCM, Duration = 120 mins
An innocent rancher is saved from the noose and deputized to hunt down the men who tried to hang him.

Video Steps 4 & 5: Convert & Burn

Free DVD Creator enables you to:

- Convert .mpg video files to DVD-format (.vob) files
 - Add a menu and chapters
 - Burn the .vob files to a DVD
- 
- Freeware
 - <http://www.minidvdsoft.com/dvdcreator/>

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Create an Audio CD from a DVR Recording

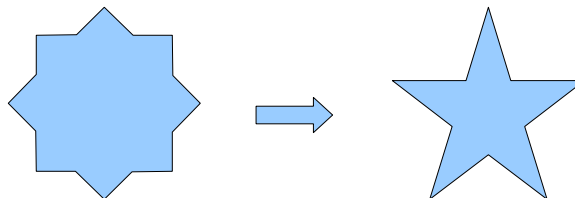
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4. Convert	Video format	Audio format	Super converts from .mpg to .mp3 format
4A. Split	One long audio track	Multiple audio tracks	mp3splt splits one .mp3 file into multiple files by time or silence
5. Burn	Audio files	CD	CDburnerXP creates an .iso image and burns it to disk.



Audio Step 4: Convert

Super is a video and audio file format converter:

- To or from Windows movie, Quicktime, iTunes, BluRay, ShockWave, AVI, MPEG, DVD, many others
- MPEG video (.mpg) to .mp3 audio format
- Freeware
- <http://www.erightssoft.com/SUPER.html#Dnload>



Audio Step 4A: Split (Optional)

- **Problem:** One .mp3 audio file may contain hours of songs. How do we find song #12?
- **Solution:** Split it into multiple .mp3 files.
 - Music: split by silence between tunes
 - Speech: split by time
- **mp3splt** is a program that splits .mp3 files
 - It's open source, runs on Windows, Mac, Linux
 - http://mp3splt.sourceforge.net/mp3splt_page



Audio Step 4A: Splitting Made Easier

```
@echo off  
C:
```

```
rem Change just the following line:  
set filename=Easy0424
```



```
set input=\users\alan\videos\%filename%.mp3  
set output=\users\alan\videos\%filename%\  
set executable="\Program Files\mp3splt\mp3splt"
```

```
rem Split by time with no silence adjustment (fast):  
if %0==splitmp3bytime %executable% -t 11.00 -d %output% %input%
```

```
rem Split by silence detection:  
if %0==splitmp3bysilence %executable% -s -d %output% %input%
```

Audio Step 5: Burn

With CDBurnerXP you can:



- Create data CD's, copy CD's, etc.
- Create a CD image on disk from .mp3 files
- Burn a CD image to a physical CD



- Freeware. Uses Microsoft .NET
- Download at <http://cdburnerxp.se/en/download>

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Bonus: Play Audio Files in Your Car

Problem: My car does not have an .mp3 player connection and I don't want to burn audio files onto CD's just so they can be played in the car.

Solution: Copy the .mp3 files onto a USB flash drive then play them through an FM transmitter.

Many such FM transmitters work poorly. The **Satechi Sound-Fly SD** works well.

- Get info at <http://www.satechi.net/>



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