Converting your media for iOS devices

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Macworld Expo 2011

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Ripping and converting CDs

- You know the drill:

  - Jam a CD into your Mac's media drive

  - iTunes will launch (by default) and you'll be asked if you want to rip it.

  - You can choose to do it later. Then select CD and click Rip CD button.

  - Consider Advanced -> Join Tracks (for audiobook CDs in particular).

Ripping and converting DVDs

* Two-stage process

  * Remove copy-protection

    * Leaves you with unprotected Video_TS folder

  * Convert to playable format

* Recommendations:

  * Handbrake, RipIt, MacTheRipper

Ripping and converting DVDs

* What is your final goal?

  * Create a file that can be played on your Mac, phone, media server

  * Create a DVD

Ripping and converting DVDs
HandBrake (free, http://handbrake.fr)

* Rips and converts

    * Removing copy-protection requires VLC (www.videolan.org/vlc)

* Can convert to a variety of formats, including all iOS devices, iPods, and Apple TVs

* Can convert from Video_TS folder

* Vastly configurable

* Demo

Ripping and converting DVDs
RipIt ($19, http://ripitapp.com)

* Rips and (now) converts

    * Natively removes copy-protection

    * Can rip entire disc as DVD Player document

    * Can also now convert to a variety of formats

    * Updated frequently to address new DRM schemes

    * Demo

Ripping and converting DVDs
MacTheRipper
("donation," www.ripdifferent.com/forum)

- Rips to unprotected Video_TS folder but doesn't convert

- Natively removes copy-protection

- Can rip entire disc or just selected features

Ripping and converting DVDs
MacTheRipper
("donation," www.ripdifferent.com/forum)

* When you have an unprotected Video_TS folder, drop it into Toast

* Select the content from the disk that you want to burn to a DVD video or

* Re-compress the entire original disk to fit onto a single DVD

Ripping and converting DVDs
The 99 Chapter Trick

* Some DVDs are difficult to rip because they have dozens of "fake" main features. Rip the wrong one and your movie is no good. To spot the real main feature:

  * Play main feature of DVD in DVD Player

  * Choose Go -> Title and look at the checked number

  * This tells you which is the main feature title

Ripping and converting BluRay
or "How to become a video quality snob"

- Adding a BluRay drive

  - External drive - usually USB-2 or e-SATA

  - Buy an internal BluRay drive and put it in an external enclosure

  - Build a Hackintosh and put in an internal drive

  - No DVD playback on the Mac

Ripping and converting BluRay
or "How to become a video quality snob"

- MakeMKV

  - Strips protection from the disk and writes out a single MKV file

  - As with DVDs, you have the option to pick which tracks you want from the DVD

  - You can also select audio tracks, which allows you to ignore tracks that you aren't set up to play back, anyway

Ripping and converting BluRay
or "How to become a video quality snob"

- Pass resulting MKV to Handbrake

  - Configure settings

  - Demo

Ripping and converting BluRay
or "How to become a video quality snob"

- Handling broken audio

  - TSMuxer for Windows

Capturing streaming content

- We're talking about two sources:
  - External (video and audio in)
  - Internet

Capturing streaming content
External sources

* Video: Old VCR tapes that you'd like to digitize, camcorder media

* Audio: Records and tapes

Capturing streaming content
External video

* If your camcorder supports video pass-thru, use it. Connect VCR to camera and camera to Mac via USB or FireWire. Capture with iMovie.

* Roxio Easy VHS to DVD ($80, www.roxio.com)

* Elgato Video Capture ($100, www.elgato.com)

Capturing streaming content
External audio

* There are loads of applications that will capture audio coming in via the Mac's sound input port.

* Need a pre-amp or receiver for non-USB turntables

    * Cheap: Audacity (free, audacity.sourceforge.net)

    * BIAS Inc's SoundSaver ($50, www.bias-inc.com)

Capturing streaming content
Internet video

- Firefox add-ons by the score

- Videobox ($15, www.tastyapps.com)

  - iShowU HD ($30, www.shinywhitebox.com)

  - SnapzPro X ($69, www.ambrosiasw.com)

  - ScreenFlow ($99, www.telestream.net)

    - these are screen capture utilities

Capturing streaming content
Internet audio

- Audio Hijack Pro/Fission ($50, www.rogueamoeba.com)

- WireTap Studio ($69, www.ambrosiasw.com)

- Skype: Call Recorder ($20, www.ecamm.com)

Converting audiobooks

- Audiobook Builder ($10, www.splasm.com)

  - Will combine multiple short tracks (from audiobook CDs) into longer tracks. You determine the length of sections by choosing what to join.

  - Creates iOS-compatible files and adds to iTunes

Hickory Dickory Dock

Add Files	Add iTunes	Import CD	Join	Split	Remove	

▼ ▌Track 1	06:04:25
▣ Track 1	00:05:08
▣ Track 1	00:05:30
▣ Track 1	00:03:46
▣ Track 1	00:00:20
▣ Track 1	00:01:57
▣ Track 2	00:04:42
▣ Track 2	00:04:13
▣ Track 2	00:03:20
▣ Track 2	00:04:38
▣ Track 2	00:05:35
▣ Track 3	00:06:26
▣ Track 3	00:05:36
▣ Track 3	00:05:06
▣ Track 3	00:03:27
▣ Track 3	00:03:42
▣ Track 4	00:07:41
▣ Track 4	00:05:57
▣ Track 4	00:05:14
▣ Track 4	00:03:35
▣ Track 4	00:04:28
▣ Track 5	00:06:58
▣ Track 5	00:05:55
▣ Track 5	00:04:60
▣ Track 5	00:05:41
▣ Track 5	00:03:47
▣ Track 6	00:07:05
▣ Track 6	00:06:19
▣ Track 6	00:05:03
▣ Track 6	00:05:38
▣ Track 6	00:03:19
▣ Track 7	00:05:37
▣ Track 7	00:04:25

▶ Show Details

◀ | Cover | Chapters | Finish | ▶

Book Munging
Getting content into your e-reader

- Calibre

- Stanza

- Email and Dropbox

- Delicious Library (cataloging only)

Book Munging
Getting content into your e-reader

- Authoring eBook content

  - Sigil

  - Email translation via Kindle