Apple Compressor 3 http://www.cla.purdue.edu/vpa/etb/ Fabian Winkler

Required software/supplies for this workshop:

Description	
Compressor, part of Apple's Final Cut Studio package http://www.apple.com/finalcutstudio/compressor/	
Quicktime movie, DV-NTSC compression, 720x480pixels, exported from Final Cut Pro.	

Prepare videos for DVD Distribution in Compressor



Compressor

After exporting a Quicktime video from Final Cut Pro (see workshop: "Export Quicktime Movies from FCP") add the exported Quicktime video to the Batch list by clicking the "Add File" button in the top left corner of the batch list window:

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Add File Add Surround Sound		 () Inspector	Preview	Batch Monitor
Add a new job with a source file to the batch -				
	Drag Settings and Destinations Here			
1 job Never Submitted				Submit

You can add as many files as you like and then apply the same compression setting to all of them.

Next, choose a compression setting for your videos in the batch list. Go to the "Settings" window, locate the "DVD" folder and select the "DVD best quality 90 minutes" folder. Drag this folder into the batch list window where it says: "Drag Settings and Destinations Here" (see picture on following page).

In a nutshell, this applies Audio and Video compression settings to your Quicktime video and in the compression process will split the Quicktime file into one video and one Stereo audio track. The default settings for the compression are as follows:

Video: .m2v (MPEG 2) file; 6.2Mbps average bit rate; 7.7Mbps maximum bit rate; Mode: two pass VBR best; Motion Estimation: best

Audio: .ac3 file; 2.0 Dolby Digital audio at 192kbps

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Add File Add Surround Sound	His	tory Inspector Preview	Batch Monitor
Untitled			
final_sound_edit.mov			
Dolby Digital Professional 2.0 Source	final_sou	nd_edit-Dolby Digital	• •
MPEG-2 6.2Mbps 2-pass Source	final_sou	nd_edit-MPEG-2 6.2M	• •
1 job, 2 targets Never Submitted			Submit
O O O Settings			
Settings Destinations			
VD 10 Groups	Ô		
DVD: Best Quality 120 minutes 2 Settings			
DVD: Best Quality 150 minutes 2 Settings			
VD: Best Quality 90 minutes 2 Settings			
Dolby Digital Professional 2.0 2.0 Dolby Digital audio at 192kbps			
HPEC-2 6.2Mbps 2-pass Fits up to 90 minutes of video with Dolby Digital audio at 192 Kbps audio on a DVD-5	or 60 minutes with AIFF		
DVD: Fastest Encode 120 minutes 2 Settings	A T		
	11		

OPTIONAL: You can fine-tune these settings by duplicating the "DVD best Quality 90 minutes" folder (click the "Duplicate Selected Settings" button in the Setting window):

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Settings Destinations	
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VD 10 Groups	U
DVD: Best Quality 120 minutes 2 Settings	
DVD: Best Quality 150 minutes 2 Settings	
VD: Best Quality 90 minutes 2 Settings	
DC Dolby Digital Professional 2.0 2.0 Dolby Digital audio at 192kbps	
MPEC-2 6.2Mbps 2-pass Fits up to 90 minutes of video with Dolby Digital audio at 192 Kbps or 60 minutes with AIFF audio on a DVD-5	4

Then, rename the new folder that Compressor created in the duplication process and change the setting for the video compression and Audio compression in the Inspector window, after clicking on them:

O O O Settings	000 Inspector
Settings Destinations	Name: MPEG-2 6.0Mbps 2-pass
	Description: 6.0 average, 7.3 max. bitrate
Uncompressed 10-bit Uncompressed 10-bit with audio pass-through. Settings based off the source resolution and frame-rate.	Encoder
Uncompressed 8-bit Uncompressed 8-bit with audio pass-through. Settings based off the source resolution and frame-rate.	File Format: MPEG-2 : Extension: m2v I Allow Job Segmenting
Conter Workflows S Groups	Stream Usage: SD DVD :
Custom 5 Groups, 1 Setting	Mode: Two pass VBR Best
Fabian's DVD Settings (best quality) 2 Settings	Average Bit Rate: 6.0 Mbps
AIFF AIFF 48kHz, 16bit	Maximum Bit Rate: 7.3 Mbps
MPEG-2 6.0Mbps 2-pass 6.0 average, 7.3 max. bitrate	S.0 9.0 Motion Estimation: Best : Allows up to 82 minutes/layer of video on DVD-5
	Allows up to 62 minutes/rayer of video on DVD-5
	Revert Save

Video: .m2v (MPEG 2) file; 6.0Mbps average bit rate; 7.3Mbps maximum bit rate; Mode: two pass VBR best; Motion Estimation: best

Audio: .aiff Quicktime file; 48kHz; 16bit

Finally, before you can start the compression process, you need to tell Compressor where to save the new files. Select the first setting in your video in the batch list by clicking on it once, then go to Target > Destination > Other... and specify the folder in which all the files for your DVD production reside. Do the same thing for the other setting as well. If you have multiple videos in the batch list repeat these steps for each of the videos.

📫 Compressor File Edit Job	Target View Window He	p		
Add File Add Surround Sound Unitited final sound_edit.mov final sound_edit.mov MPEG-2 6.2Mbps 2-p MPEG-2 6.2Mbps 2-p	-	Source Desktop User's Movies Folder Cluster Storage Untitled Local-1 Untitled Local-1 Other	Monitor	○ ○ ○
1 job, 2 targets Never Submitted		(Sul	bmit)	Clear Reverse Sort Order

You may also choose to already name each of the two files in the filename field at the right hand side of the settings in the batch list:

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Add File Add Surround	d Sound		History Inspector Preview	Batch Monitor
final_sound_edit.mo	V Dolby Digital Professional 2.0 The model of the mod	DVD_workshop DVD_workshop	soundie.aiff	
1 job, 2 targets Neve	er Submitted			Submit

Finally, hit the "Submit" button at the bottom of the batch list window and the two new files for your DVD Studio Pro project should be rendered into your DVD production folder. Import them as Assets into your DVD Studio Pro project and drag both – the sound and the video file into a track element in DVD Studio Pro to use them in your final project.