YOUR INSIDE SOURCE.

Master Final Cut Studio® and Digital Media with Larry Jordan.biz



Sign up for Larry's FREE Monthly Newsletter!

Larry Jordan's Monthly Newsletter

Editor: Larry Jordan Issue #64 - January, 2010

Welcome to the latest edition of my monthly Final Cut Studio newsletter for, um, **January, 2010.** (I decided that if you don't change the pages of your calendar, time does not pass....)

The goal of this newsletter is to provide information helpful to the interested user of Final Cut Pro. This newsletter publishes each month, past issues are available in my store. All software references are to Final Cut Studio 2 unless otherwise noted.

Please invite your friends to visit my website -- <u>www.larryjordan.biz</u>. There you'll find daily tips, the latest industry news, and over 450 articles and tutorials to help you get the most out of Final Cut!

We are getting our social media act together! Follow-us online:

Larry on Facebook Larry on Twitter

NEWSLETTER CONTENTS

- Welcome
- Thoughts on the Apple iPad
- Larry is Traveling to Scotland, England, and Ireland in February
- Blog Getting Ready For The Future
- All My 2009 Newsletters Available Online
- Technique: Compressing Different Video Formats Into One Movie
- Blog Looking Forward By Looking Back
- Larry Is Bringing His PowerUP Seminars to Washington, DC
- Getting Analog Video from a MacBook Pro to an SD TV
- A Commentary on Learning

PASSING THOUGHTS

- Using A Mouse With Your Head
- White Screens In Final Cut Pro
- Resetting Keyboard Shortcuts
- Set In and Out To Markers
- Thoughts on Training
 Thoughts on SSD Driv
- Thoughts on SSD Drives
 Inland Empire (California)
- Inland Empire (California) Filmmaker Group
- Something Worth Watching
- Recording With The Canon 5D Mark 2
- Fixing The X.264 Encoding Bug In Compressor
- Green Screen Handbook
- Another Great iPhone App
- More Final Cut Pro Filters

READER MAIL

- Getting Started With Final Cut Pro
- Batch Export vs. Compressor
- Creating a Blu-ray Disc
- Blu-ray Questions
- Getting 16:9 Projects to Look Right
- Creating 16:9 Video in DVD Studio Pro
- Setting DVD SP Tracks for 16:9 Video
- <u>Converting HDV Video to a Letter-Boxed DVD</u>
- Retaining Chapter Markers in H.264 Video
- Using MPEG Streamclip to Convert to Apple ProRes
- Searching For Missing Files
- <u>Connecting a SATA Hard Drive</u>
- Booting From a Flash Drive
- <u>A Couple of Questions</u>
- Capturing Analog Footage
- Deciding What Mac To Buy
- Archiving A Sequence
- Video Output Problems With Snow Leopard

WRAP-UP

[Go to Top.]

WELCOME

Well, the New Year is fully underway and my first newsletter is already late. So, I decided that, though the calendar may say "February," it is still January in my heart. So, welcome to the first issue of my newsletter for - ah - January, 2010!

This year is already starting to look much busier than last year -- which is a good thing, because last year closely resembled dead. Projects that we've been working on for a while are close to getting launched, and we have two killer seminar tours coming up - <u>our PowerUP seminars in the US</u> and the other is a <u>two week tour in the UK and Ireland</u>. (More on those in a bit.)

There's some great new software coming this year - I've had a chance to see some of it and can't wait until I'm allowed to talk about it - and we are all thinking about the implications of Apple's newest creation, the iPad.

Plus, I discovered several interesting techniques I want to share with you this month.

I'm optimistic for the future and feeling good about today - so let's get started and see if all this unbridled enthusiasm can rub off on you as well.

[<u>Go to Top.</u>]

THOUGHTS ON THE APPLE iPAD

The iPad had been announced less than 60 minutes, when I got the following email from **George**:



I am in the desert but in range of internet and a 3G connection. I only have a new apple iPad. I have taken some footage and a few jpg stills. How would i get it onto the iPad....or not?

My first instinct was to point out that the iPad wasn't even shipping yet, so how could he find himself in this position....

Then, I realized that this was a rhetorical question that spoke to a much larger issue: "I'm a video professional, what do I use the iPad for?"

And that is a great question - because the iPad isn't for us. Its for the people that *consume* the media we create. The best analogy that I've come up with is that the iPad is like a TV set. Owning a TV set does not make you a videographer. But, if it wasn't for the millions of TV sets out there, videographers would not have an audience to show their work.

(OK, this is an analogy. I know that today we can watch video on everything from flat panel displays to Bic pens, but that's not the point. The point is that iPad is for consuming the media that we create, not in originating it.)

Now, I'm sure enterprising folks will figure out how to use cameras along with current and future versions of the iPad to originate content. After all, CNN has broadcast videos from iPhones.

But the reason you bought an iPhone was not to be a videographer. It just happens to be a device with a lot of really useful stuff, that also takes pictures.

This same thought applies to the iPad. People will buy it because it provides a fast, easy way to view

high-quality images and video that you can then share with others.

The process, and gear, for creating movies remains pretty much the same as it was before Apple's announcement. But the way we distribute, view, share, and store our videos is about to undergo a major shift.

It reminds me of my grandmother's house with a touch of Harry Potter. When our family got together, we would all sit around in the living room, passing around photo albums and telling stories about the people in the pictures. The iPad does the same thing, except - as in Harry Potter - today the pictures move.

UPDATE - FEB. 3, 2010

Gerry Fraiberg adds:

After reading your thoughts on the Apple iPad, I thought you'd be interested in a couple of video related apps I've come accross.

First is ProPrompter by Bodelin Technologies: <u>http://www.bodelin.com/proprompter</u> The app itself if \$9.99. But they're also producing a package for the iPad with beam splitter glass with on the lens hood:

Our award winning ProPrompter HD is ready to hold the revolutionary iPad, safe and secure while you ProPrompt anywhere your camera goes. We created mobile teleprompting in 2002 and were the first to create a professional teleprompting App for the iPhone/iPod touch along with hardware released at NAB 2009. Now with the new Apple iPad our base of ProPrompter App users can simply continue to use the software and have direct in lens mobile teleprompting at a low cost. The ProPrompter HD with iPad bracket will retail for \$995 and begin shipping near the end of February. Email us if you would like to be notified when we start taking orders: sales@bodelin.com

Then there is Movie*Slate, another \$9.99 app: <u>http://www.pureblendsoftware.com/</u> movieslate

Movie*Slate is a digital slate, clapper board, shot log, and shot notepad— designed for use with film, television, documentaries, interviews, and home movies. Movie*Slate provides an easy way to log footage and take notes as you shoot— saving you time later when you capture and edit the footage on your computer.

The apps run on the iPhone/iTouch, but would look so much better on the iPad's 9.7" screen. Will I get one? Maybe with the spare change after I upgrade my G5 running FCP5.

Larry replies: Thanks, Gerry. It is fascinating watching what other people can do with the platform.

UPDATE - Feb. 6, 2010

Matt Davis writes:

- I'll be getting one to act as simple prompter for presenters, slate for interviewees ("type your name here, your job title here, doesn't it fit? You need to simplify it to fit..."), display device (previous shots, demo sequences ("we'll be putting this where the green screen is"). All that stuff where a laptop is't quite easy or light enough. Heck, I'll even use it as an impromptu lamp if necessary (I've done that with my iPhone).

Of course, a video input so it can act as a client monitor would be good (USB in from your camera?), or a USB adaptor so we can browse SxS or P2 and perhaps label up shots

and browse/edit/clean up metadata. But that's getting rather more clever than Apple may allow.

It IS a big iphone, but then again how many times have you thought 'if only the iPhone or iPod touch were a little bit BIGGER, or run something more useful, or last a little longer than a day without power'.

Yes, got my iPad on order. :)

Larry replies: Clearly, these comments reflect a third option which I had not considered. The iPad can also be very helpful in production. However, I still believe that the true market for the iPad are people who need to display content, not create it. As always, I'm grateful for everyone's thoughts.

[<u>Go to Top.</u>]

LARRY IS TRAVELING TO SCOTLAND, ENGLAND, AND IRELAND IN FEBRUARY

I'm heading across the Atlantic for two weeks of seminars and trade show presentations starting February 12.



Thanks to the

sponsorship of <u>Academy Class</u>, <u>Creative Loop</u>, <u>Dublin City University</u>, <u>Institute of Technology - Tallaght</u>, and <u>Red Giant Software</u> I'm looking forward to meeting a lot of you during my trip!

First stop: **Glasgow, Scotland** - Feb. 12. My visit is part of the Student Media Festival at the Center for Contemporary Arts.

Next is **London**, Feb. 15 - 18. I'll be speaking at Broadcast Video Expo, as well as conducting an advanced Final Cut seminar for <u>Academy Class</u>.

Finally comes **Dublin**, Feb. 20 - 21. Here's I'll be presenting two seminars, one geared for students and new users, the second a more advanced look at the applications in Final Cut Studio.

Here's a complete list of locations and agendas.

Some of these presentations are free, other have a fee attached. Either way, you are going to learn a LOT! I look forward to seeing you there.

<u>Click here</u> for more information.

[Go to Top.]

BLOG - GETTING READY FOR THE FUTURE

[The following is an excerpt from my Blog - <u>www.larryjordan.biz/blog</u>. Feel free to subscribe - I'm trying really hard to write more often.] I'm up in San Jose, CA, this week in a series of meetings with Adobe learning about all kinds of interesting stuff.



During the course of our conversations, I discovered a couple of things that I want to share with you.

First, Adobe made the decision that all their future applications will be 64-bit only. For Mac users, this means that this will require hardware running OS X 10.6. Fortunately, Apple has made 64-bit support simple by building it into the OS. If you can run Snow Leopard, you are all set.

For PC users, the issue is more complex. 64-bit means that you need to buy a 64-bit-capable system. However, many less expensive PC computers on the market today are only 32-bit. This means that whenever Adobe releases new software, it won't even install on these 32-bit systems; even if you bought it recently.

Note: This also means that any new Adobe software won't install on Macs that can't run Snow Leopard; this includes all non-Intel/Macs and any system not running at least OS X 10.6.

As a side note, the reason that 64-bit support is so important is that it provides support for vast - and I mean truly HUGE - RAM memory. Currently, 32-bit systems, like Leopard, only allow an application to access 4 GB of RAM. 64-bit systems allow applications to directly access HUNDREDS of THOUSANDS of TERABYTES! Sheesh....!

The second big benefit of 64-bit support, according to Adobe, is that applications run much faster because they need to access the hard disk much less frequently.

Better speed and faster performance are both good things in my book!

A second new technology that Adobe is talking about publicly is what they call the Mercury Playback Engine. Currently, this runs only in Adobe Premiere Pro and what it provides is blazingly fast performance for video editing.

The Mercury engine works in both software and hardware. And, using just the software engine, its pretty interesting.

However, when you add hardware, the speed explodes into almost frightening performance. The key point, though, is that the playback engine is optimized for NVIDIA graphics cards. (Meaning that ATI graphics cards are not supported.)

When you connect an NVIDIA graphics card to your system, performance is like nothing I've ever seen before. Real-time multi-camera playback of four native RED 4K files. Real-time color correction with multiple filters applied to the same clip. Real-time editing of native AVCHD video, no transcoding required.

Adobe tells me that when assisted by an NVIDIA card, Premiere Pro operates 50-100 TIMES faster than it does in software alone.

<u>Here's a video</u> Adobe produced that shows the Mercury Playback Engine in operation.

At this point, both of these are technology demos. Current versions of Adobe Production Premium don't support these features. However, as you are planning your hardware purchases for the year, you might want to keep these thoughts in mind.

Currently, Final Cut Studio does not support 64-bit memory addressing, nor does it support graphics card-based hardware acceleration (Motion uses the graphics card, but the other FCS applications do not).

Adobe is giving us just a glimpse of what we can look forward to later this year. Hopefully, Apple will follow suit.

One other note. Next generation Adobe software will also be multicore aware. This means that the more processors you have in your system, the faster the software will run. This, too, is something Final Cut Studio does not currently support.

While I don't normally talk about Adobe Premiere in this newsletter, Final Cut will need to convert to 64bit addressing at some point in the future, which means that these issues will confront FCP users soon, too.

Also, though Motion currently uses the graphics card, FCP and other applications in Final Cut Studio do not; yet. Still accessing the immense power locked in the GPU is inescapable, so that whether we upgrade our gear for Adobe now, or later for FCP, at some point this is in all our futures.

UPDATE - FEB. 3, 2010

Tom Munnecke adds:

I've been exploring Premier Pro, and am pretty impressed with it... I like its integration with the rest of the creative suite, the way that the metadata carries over across the various media, and how much more user friendly the software is... I particularly like their On Location software to capture direct from camera...

It looks to me that within one or two versions, they'll be way ahead of FCP....

It's too bad, but large companies such as Apple just lose their focus on specific products like FCP... And since Adobe is cross-platform, I can use either platform I want in the future...

Apple is falling behind, if you ask me...

Tom Wolksy adds:

Does the computer have to be running in 64-bit mode? Because that would leave out a great many older Intel machine, which, while able to read 64-bit apps, cannot run in 64-bit.

Also, FXPlug filters also access the graphics card.

Larry replies: Tom, from what Adobe told me, 64-bit applications will not load or run on 32-bit systems. For Macs, if you can run Snow Leopard, you are OK. If you can't, you aren't.

Thanks to both of you for writing. I think this will be an interesting year for editors.

[<u>Go to Top.</u>]

ALL MY 2009 NEWSLETTERS ARE NOW AVAILABLE ONLINE

Missed one of my newsletters last year? Well, not to worry. Now you can get them all!

All twelve newsletters published during 2009 have been gathered into one place -- 527 pages of Final Cut Studio goodies. (This is almost TWICE the pages we wrote in 2008!)

Each month's issue is a fully-searchable PDF, with all links intact, so you can refer to each issue over and over again. This collection contains hundreds of ideas you can put to work today to save time, save money, and create better projects.

Selected 2009 Headlines

- Jan Blu-ray Disc Special Report and Multi-channel Audio Output from FCP
- Feb Customing Keyboard Shortcuts and World's Fastest Shortcut Finder
- Mar Review: Telestream Pipeline and Adding Reverb to an Audio Clip
- Apr Editing Sound and Understanding Aspect Ratios
- May Using the Soundtrack Pro Limiter Filter and Creating a Glowing Lantern Effect
- Jun Snow Leopard Launches and Using Submixes in Soundtrack Pro
- Jul Understanding RAID Levels and Fixing Out of Sync Audio
- Aug Final Cut Studio (3) is Released and Interview with Apple's Richard Townhill
- Sep Review Sheffield Softworks Retouching Filters and Setting Capture Scratch Disks
- Oct Apple Announces iFrame and DroboPro and Euphonix Reviews
- Nov Love Letter to LiveType and Creating a Vignette and Generating a Gradient
- Dec Review Imagineer Systems Mocha and TONS of Reader Mail

Each issue is filled with information you can't get anywhere else. And now, everything is gathered all into one place!

Format: 12 PDFs stored in a ZIP file *Pages:* 527 *Price:* \$19.99

Click here to buy your collection today!

Looking for a bit of history? Here are all my 2008 newsletters.

[<u>Go to Top.</u>]

TECHNIQUE: COMPRESSING DIFFERENT VIDEO FORMATS INTO ONE MOVIE

I ran into an interesting problem over the weekend that I want to share with you because the solution is more complex than at first blush.

Here's the problem: I was asked to create a video for posting on line. The video had two components: me on camera talking, and screen shots.

The client wanted the finished video delivered at 720 x 405 (which is 16:9 DV) and gave me about three days to put this together. Given that time-frame, the only camera that I had access to shot 4:3 DV interlaced, while all the screen shots were captured 1280 x 720 progressive, using the Animation codec.

Yup. It was a mess.

Naturally, the first thing I did was drop everything into one timeline and let FCP handle all the conversions. Easy and simple. And it looked WAY past awful.



Here's an example of a 4:3 DV image, dropped and stretched into a 16:9 ProRes 4444 timeline and exported for compression. Ugh! Massive stair-stepping along all edges, the complete break-up of images in the computer monitor and I don't look so great either.

What I discovered needed to be done was to break this movie down into components and process each section individually. Here are the steps I followed to create the final 720 x 405 compressed master:

CREATION PHASE - SCREEN SHOTS

- Create all screen shots at 1280 x 720.
- Edit all screen shots into final form using the Animation codec and export.
- Using Compressor, convert screen shots to 720 x 405 size and ProRes 4444.

CREATION PHASE - ON-CAMERA

- Record on-camera DV material as 4:3 DV.
- Capture and edit as normal, using the DV codec in FCP.
- Export as a DV movie in this case, I created an on-camera introduction and closing for a total of two finished DV movies.

COMPRESSION PHASE

- Using Compressor, deinterlace and compress the on-camera footage to a final movie using H.264 codec and pillar-box the sides so that the full image is displayed.
- Using Compressor, compress the final screen shots into a 720 x 405 movie.

COMPILATION PHASE

• Using QuickTime Pro 7 (QT X won't work), combine the three separate movies into a single movie.

The advantage of this approach is that while the codec and image size remain the same (720 x 405, H.264), I can use different compression settings and data rates to make each video look great.

This took me the better part of a day to get the compression part right, which is why I wanted to share it with you here.

PREPPING SCREEN CAPTURE FILES

Lots of tutorials on how to shoot screen capture movies are available - in fact, I'll add that to my list of things to talk about in future issues.

For now, though, the basics are that, starting in the middle of 2009, I now record all my tutorials at 1280 x 720. This makes them very easy to distribute on the web, which has optimized itself to display HD as 720p video, plus shooting a progressive image makes creating smaller image sizes very easy.

Yes, 1080i video has a bigger image, but dealing with the interlacing is too much work. Everything I shoot now is going to the web, where 720p makes a perfect format.

So, I created, cropped, and edited all my screen captures to 1280 x 720. By default, screen captures are progressive, so I didn't have to worry about interlacing.

My screen capture program of choice is <u>Telestream's ScreenFlow</u>, which allows me to export my completed capture using either the Animation or Apple ProRes 4444 codec. If I were using FCP 6, I'd export using Animation. However, I'm using FCP 7, so ProRes 4444 is a better choice.

NOTE: My only real complaint with Screen Flow is that it records all audio on two tracks, which means I have to be very careful not to talk when the computer audio is playing, otherwise, the two audio sources will overlap, which makes audio editing impossible.

	Save	_
Save As	: Screen Capture Movie	
Where	Exported files	\$
Setting:	Current Settings	\$
Include:	Audio and Video	•
Markers:	None	\$
	Recompress All Frames Make Movie Self-Contained	
		Cancel

I then edited all my screen captures in Final Cut Pro 7 and exported the finished sequence as a selfcontained QuickTime movie, using the ProRes 4444 codec. At this point, the file was 16:9, progressive, and 1280 x 720 file.

NOTE: Because my sequence was set to ProRes 4444, I exported using **Current Settings**. I much prefer exporting using Current Settings than trying to transcode (convert) the video into some other format during export. Compressor does a much better job of transcoding than FCP.

PREPPING THE ON-CAMERA FILES

Next it was time to shoot me on camera doing the open and close to the program.

The only camera I had available shot 4:3 DV, which differed from the screen shots in three critical ways: it was interlaced, it was smaller, and it was 4:3.

But, they say "necessity is the mother of invention" and my deadlines wouldn't wait, so I shot and edited the video using Final Cut Pro. When I was done, I exported two files: the open and the close. Both were 720 x 480, DV, interlaced.

PREPPING THE SCREEN CAPTURE MOVIE FOR COMPRESSION

While Compressor 3.5 allows for Job Chaining, which means that the output of the first task automatically becomes the input for the second task, I decided not to use this at this time. The main reason was that I had not yet worked out all the settings. If I needed to do this on a regular basis, job chaining would save a great deal of time, without harming the final image quality.

For now, though, I need to get all my files into the same size prior to final compression. To do this, I will "pre-process" the file - get everything sized properly for final compression - then compress it in a second step.



1. Click the **Add File** button to import the screen capture file into Compressor

DV Stream Dolby Digital Professional H.264 for Apple Devices H.264 for Blu-ray H.264 for DVD Studio Pro Image Sequence MP3 MPEG-1 MPEG-2 MPEG-4 QuickTime Export Components	AIF	F
H.264 for Apple Devices H.264 for Blu-ray H.264 for DVD Studio Pro Image Sequence MP3 MPEG-1 MPEG-2 MPEG-4 QuickTime Export Components	DV	Stream
H.264 for Blu-ray H.264 for DVD Studio Pro Image Sequence MP3 MPEG-1 MPEG-2 MPEG-4 QuickTime Export Components	Do	Iby Digital Professional
H.264 for DVD Studio Pro Image Sequence MP3 MPEG-1 MPEG-2 MPEG-4 QuickTime Export Components	H.2	64 for Apple Devices
Image Sequence MP3 MPEG-1 MPEG-2 MPEG-4 QuickTime Export Components	H.2	64 for Blu-ray
MP3 MPEG-1 MPEG-2 MPEG-4 QuickTime Export Components	H.2	64 for DVD Studio Pro
MPEG-1 MPEG-2 MPEG-4 QuickTime Export Components	Im	age Sequence
MPEG-2 MPEG-4 QuickTime Export Components	MP	3
MPEG-4 QuickTime Export Components	MP	EG-1
QuickTime Export Components	MP	EG-2
	MP	EG-4
QuickTime Movie	Qu	ickTime Export Components
	Qu	ickTime Movie

2. Create a new setting file by clicking the **Plus** key in the top right corner of the Settings window and selecting **QuickTime movie**. (To create an MPEG-4 movie, you'd select **MPEG-4**.)

⊖ ⊖ ⊖ Inspector
Name: Resize movie
Description: Resize movie file to 705, no audio change
Encoder
File Format: QuickTime Movie ‡
Extension: mov Allow Job Segmenting
Video: Settings Disabled
Audio: (Settings Y Enabled
Streaming: None Pass-through
Options
File Extension: mov
Estimated size: unknown
Audio Encoder IMA 4:1, Stereo (L R), 48.000 kHz
Video Encoder
Format: QT
Width: 320 Height: 240
Pixel aspect ratio: Square
Crop: None
Padding: None
(Revert) Save

3. In the Inspector, rename your new settings file (I used "Resize movie") and add a description so you'll know what this does when you look at it later. (I used "Resize movie to 720x405, no audio change.") Then, since all we want to do is resize the video, set the Audio pop-up menu to **Pass-through** - which means the audio is not touched. Then, make sure Streaming is set to **None**.

	Apple ProRes 422 (LT)	
	Apple ProRes 422 (Proxy)	
Compression Type	Apple ProRes 4444	
	Apple VC H.263	1
Motion	DV - PAL	
Frame Rate: Current 🗘 f	DV/DVCPRO – NTSC	
Traine Rate.	DVCPRO – PAL	
Kou Eramos: O Automatia	DVCPRO HD 1080i50	
Key Frames: O Automatic	DVCPRO HD 1080i60	
O Every	DVCPRO HD 1080p25	
() All	DVCPRO HD 1080p30	
	DVCPRO HD 720p50	
Frame Reorde	DVCPRO HD 720p60	
	DVCPRO50 - NTSC	
Compressor	DVCPRO50 - PAL	
	H.264	
Depth: Millions of Colo	HDV 1080i50	

4. Click the Video Settings button and make sure the codec is set to **Apple ProRes 4444** (Use the **Animation** codec, if you are still running FCP 6). Leave the rest of the settings alone.

NOTE: While ProRes 4444 is not a good format for video playback, it is an excellent format for transferring files between applications, or in creating source files, because it is virtually lossless.

100% of source 50% of source 25% of source Up to 1280x720 Up to 960x540 Up to 854x480 Up to 428x240 Up to 214x120 320x240 640x480 720x480
25% of source Up to 1280x720 Up to 960x540 Up to 854x480 Up to 428x240 Up to 214x120 320x240 640x480
Up to 1280x720 Up to 960x540 Up to 854x480 Up to 428x240 Up to 214x120 320x240 640x480
Up to 960x540 Up to 854x480 Up to 428x240 Up to 214x120 320x240 640x480
Up to 854x480 Up to 428x240 Up to 214x120 320x240 640x480
Up to 428x240 Up to 214x120 320x240 640x480
Up to 214x120 320x240 640x480
320x240 640x480
640x480
720x480
720x486
720x576
1280x720
1920x1080
Custom
Custom (4:3)
Custom (16:9)
Custom (1.85:1)
Custom (2.35:1)

5. Here's the key part. Go to the Geometry tab (2nd in from the right) and set the Frame

Size pop-up to **Custom 16:9**. Then, change the Width and Height settings to **720** x **405**. Make sure, also, that the Pixel Aspect is set to **Square**; or **1.0000**.

S WE	/A Body.mov – Inspector
	WEVA Body.mov
Source:	/Volumes/2nd Int Drive/Exported files/ WEVA Body.mov
Format:	Apple ProRes 4444, 720 x 405, Millions 16-bit Integer (Little Endian), Stereo, 48.000 kHz
FPS:	30
Playing FPS:	(Available while playing.)
Data Size:	26.39 GB
Data Rate:	89.14 mbits/s
Current Time:	0:00:00:00.00
Duration:	0:00:42:23.36
Normal Size:	720 x 405 pixels
Current Size:	720 x 405 pixels (Actual)

6. Save your setting, apply it to the file, and **Submit** the file for compression. When the process is done - and it doesn't take very long - your finished file will be 720 x 405, ProRes 4444; with uncompressed audio.

NOTE: It could be argued that you don't really need to pre-process this file, as we could have sized and compressed this file all at the same time. While true, when I have a project as tricky as this one, I tend to compress the files in small steps, that way, I can spot a problem immediately and fix it, without wondering where in the process the error occurred.

Then, if I need to do this procedure on a regular basis, I would first figure out the workflow, then look for every possible way to automate it for all succeeding files. Job chaining and droplets would be my first places to look.

COMPRESSING THE SCREEN CAPTURE MOVIE

Now that we have adjusted our movie to the correct size, we need to compress it. There is a wide variety of software that could be used for this, but, for this example, I'll stay with Compressor.

Here's the short version, if you want to see a step-by-step version, I've created a video tutorial that walks you thru a similar process:

Tutorial: Compressing 16:9 HD Video for the Web

Workflow

Import your file into Compressor.



From the Setting menu, apply **Apple > Formats > MPEG-4 > MPEG-4**. This compresses your video into H.264, at 100% size and 100% frame rate. You can absolutely adjust these settings. For now, I will work with the default compression settings.

IMPORTANT NOTE: I've found the H.264 settings in Compressor create very washed-out video. To compensate for this, we need to add two filters:

- * Color Correct Midtones * Gamma Correction



The best place to add saturation to a video image is in the mid-tones. Its also the portion of the image than can handle the most saturation. So, in the Filters tab (3rd from right) check the **Color Correct Midtones** check box to turn it on and apply a value of **3.0** to the Red, Green, and Blue settings.



Then, check on the **Gamma Correction** filter and increase the value to **1.05**. This makes the image look a bit darker and richer.

I use these filter settings on all the H.264 video I create in Compressor.

ļ		Geometry	5	\$
Source Inset (Cropping			
Crop to:				:
Left:	0		Top:	0
Right:	0	В	ottom:	0
Dimensions (encoded	pixels)		
	Width	Height		
Frame Size:	720	405 100	% of so	urce
Pixel Aspect:	1.0000	Square		

Finally, in the Geometry tab (2nd from right) make sure the Frame Size and Pixel Aspect ratio are set correctly. In this example, we want **720 x 405**, **100% of source**, **Square** pixels.

NOTE: The default setting of the Geometry tab is 320x240 - which can TRULY mess up 16:9 output. Always be sure to take a look at these Geometry settings before starting any compression.

COMPRESSING THE DV VIDEO

Now things get a bit trickier, because this DV file is the wrong size and the wrong aspect ratio. So what we are going to do is reduce the size of the video so it fits into 405 pixels vertically, deinterlace it, and add black bars on either side of the image, so that the frame is 16:9, but the image retains is 4:3 format.

NOTE: I tried cropping and zooming the image to fill the frame, but after deinterlacing the image looked so bad, I gave up trying.

Here are the steps:

1. Load your video into Compressor.

2. Apply the **MPEG-4** setting we used above to the clip.

NOTE: This setting can absolutely be tweaked to reduce the data rate and other nifty stuff. This tutorial is more focused on filters and resizing than on data rates. For that reason, I'm just using a default setting.

3. Click the Filters tab and apply the **Color Correct Midtones** and **Gamma Correction** filters and settings we used on the other clip.

((#)
		Geor	netry	
Source Inset (Cropping	1)		
Crop to:	Custom			:
Left:	0		Тор:	0
Right:	0		Bottom:	0
Dimensions (encoded	pixels)		
	Width	Height		
Frame Size:	720	405	100% of so	urce
				2

4. Click the **Geometry** tab. Make sure the Frame Size matches the other movie - in this case **720x405**.

	Inspec	tor	
Name:	Selected Target		
Description:	720 x 405		
			8
			255
2	Geo	metry	
Source Inset	(Cropping)		
Crop to:	Custom		;
Left:	0	Top:	0
Right:	0	Bottom:	0
Dimensions (encoded pixels)	>	
Frame Size:	Width Height 720 405	Custom (16	:9) ;
Pixel Aspect:	1.0000 Defa	ault for size	:)
Output Image	Inset (Padding)	>	
Padding:	Custom		;
Left:	90	Top:	0
Right:	90	Bottom:	0
			Save As

To make sure your numbers are accurate, set the Frame Size pop-up menu to **Custom 16:9**.

5. Also make sure the Pixel Aspect is set to **Default for Size**, or, my preference, **Square**.

6. Look at the bottom of the Geometry window. Output Image Inset Padding automatically adds black to the borders of an image to create pillar-boxing (black on the sides) or letterboxing (black at the top and bottom). I added a value of **90** to both the left and right sides, which means the image keeps it 4:3 shape, with black padding out the rest of the image to fill the 16:9 frame.

Once you are done adjusting the settings, click **Submit** to compress the file.

NOTE: If you don't like how the deinterlacing turned out, you can adjust this manually. By default, the Frame Controls should deinterlace without problems. But, if not, go to the Frame Controls tab (3rd from left) and change the settings to match this screen shot:

Frame Controls
Frame Controls: On 🛟 🔅
Resizing Control
Resize Filter: Better (Linear filter)
Output Fields: Progressive +
Deinterlace: Better (Motion adaptive)
Adaptive Details
Anti-alias: 😝 🛁 0
Details Level: 🕘 👘 0

- Click OFF the auto-sensor (it looks like a large asterisk in the top left corner
- Turn **ON** Frame Controls
- Set Output Fields to Progressive
- Set Deinterlace to Better
- Turn **OFF** Adaptive Details

⊗ WEV/	A Intro v2.mov – Inspector
1	VEVA Intro v2.mov
Source:	/Volumes/2nd Int Drive/Exported files/ WEVA Intro v2.mov
> Format:	DV, 720 x 480 (640 x 480), Millions 16-bit Integer (Little Endian), Stereo, 48.000 kHz
FPS:	29.97
Playing FPS:	(Available while playing.)
Data Size:	131.40 MB
Data Rate:	30.31 mbits/s
Current Time:	0:00:00:00.00
Duration:	0:00:00:36.36
Normal Size:	655 x 480 pixels
Current Size:	655 x 480 pixels (Actual)

When you are done, you now have several comporessed movies, all with the same image size and codec, but with potentially different data rates. Different data rates does not cause QuickTime any problems.

LAST STEP - BUILDING THE COMPLETED MOVIE

Now that all our files are compressed and output, we need to build a completed movie. This can NOT be done, at the present time, using QuickTime X (shipped with Snow Leopard) but only with QuickTime 7 Pro.



1. Open the first movie in QuickTime. Notice that it is 16:9, with a 4:3 image inside. (Oh! And did you notice that the image quality is a LOT better?! It also looks good when scaled up to full-size.)

- 2. Open the second movie in QuickTime
- 3. Choose Edit > Select All (Command+A) to select the ENTIRE second movie.
- 4. Choose **Edit > Copy** to place the entire selected movie in the clipboard.



5. Go back to the first movie and click the right pointing arrow with a line to jump the Playhead to the end of the movie.

6. Select **Edit > Paste** to paste the entire second movie at the position of the Playhead. You have now combined two movies into one.

7. Open the third movie, **Select All** and copy it to the clipboard, just as before.



8. Go back to the first movie. Be sure the playhead is at the far right end of the Timeline; use the "Jump to End" button to position the playhead to the far right, if necessary.

9. Edit > Paste the third movie.

10. Move your playhead back to the beginning of the Timeline, and make sure the In and Out indicators are both dragged to the beginning of the movie.

Where:	Compressed Files
	Save as a self-contained movie Any external media will be included in this movie. Estimated file size: 9.3 MB
	Save as a reference movie Any external movies will be required to play this movie. Estimated file size: 54.8 KB

11. Choose File > Save As. Give your file a name and make sure to save it as a self-

contained movie.

All these different movies are now in the same movie, with the same size, same codec, and look great. There are lots of ways you can vary this procedure for different file sizes, frame sizes, and compression settings. But in all cases, the basic workflow remains the same.

Done. Whew!

UPDATE - FEB. 3, 2010

Mark Trenary adds:

In respect your article about outputting MPEG4 files, I was recently wanting to encode using MPEG4 format Part.10 i.e. H.264 codec.

Some searching Apple forums and several trials later I concluded I couldn't export from Compressor using H.264 codec in MPEG4 format (apart from the device presets or of course using a QT .mov container)

Rather one must export using QuickTime 7 conversion, select Movie to MPEG-4, click options then change File Format to MP4 (not ISMA), now you can select H.264 as your codec. The select H.264 video format.

A potential issue I assume is that by deselecting the Internet Streaming Media Alliance - the compatibility with other players is not guaranteed.

	MPEG-4 Export Settings
File Forma	at: MP4
	Video Audio Streaming
Video Forma	at: H.264
Data Rat	e: 256 kbits/sec Optimized for: Download \$
Image Siz	e: 1280 x 720 HD 🛟
	Preserve aspect ratio using:
Frame Rat	e: 30 🗘
Key Fram	e: 🔿 Automatic 💿 Every 24 frames
	Video Options ?
Audio: AA Streaming: No File Size: Ap Data Rate: To	264 Video, 1280 x 720, 256 kbps, 30.00 fps C–LC Music, Stereo, 128 kbps, 44.100 kHz one oprox. 11904 KB tal data rate 384 kbps, will stream over 512 kbps DSL/Cable e file conforms to MP4 file format specification

For what its worth, Compressor MPEG4 export files are reported to be using "MPEG4 decompressor libavcodec".

\varTheta 🔿 🔿 MPEG Streamclip – Stream Info

Stream: High-lights-MPEG-4 .mp4 Path: /Volumes/HD3/Bec & Andrews finals/High-lights-MPEG-4 .mp4

Duration: 0:04:08 Data Size: 42.71 MB Bit Rate: 1.44 Mbps

Video Tracks: MPEG4 Decompressor (libavcodec), 720 × 576, 25 fps, 1.34 Mbps

Audio Tracks: MPEG-4 Audio stereo, 44.1 kHz, 63 kbps

Stream Files: High-lights-MPEG-4 .mp4 (42.71 MB)

whereas QT MPEG4 exports as described above are reported thus:

Stream: dyno run1.mp4 Path: ~/Movies/dyno run1.mp4

Duration: 0:01:09 Data Size: 17.00 MB Bit Rate: 2.06 Mbps

Video Tracks: H.264, 1280 × 720, 25 fps, 2.00 Mbps

Audio Tracks: MPEG-4 Audio stereo, 44.1 kHz, 64 kbps

Stream Files: dyno run1.mp4 (17.00 MB)

I'd be interested in clarification from readers about exporting compliant MPEG4 files using MPEG Part.10 H.264 codec. Would there problems with playback selecting the non ISMA format for web publishing of MPEG4 movies?

Larry replies: Thanks, Mark, for this additional information.

Tom Wolksy adds:

Animation is a truly horrible codec for editing. Why not use PhotoJPEG or something else, or is Animation all that the screen capture app would produce? Why 4x4? It seems such overkill for such a small frame resolution> Or was there some need for transparency?

Also, I think selecting Export Chapter Markers will work as well.

Finally, I don't think we can even make a reference movie for H.264 video.

Larry replies: Thanks, Tom. In my case, the Animation codec was determined by the screen capture program. And I agree, if you don't need transparency, ProRes 4444 can be more than you need.

[<u>Go to Top.</u>]

BLOG - LOOKING FORWARD BY LOOKING BACK

[The following is an excerpt from my Blog - <u>www.larryjordan.biz/blog</u>. Feel free to subscribe - I'm trying really hard to write more often.]

Last Thursday, on the <u>Digital Production Buzz</u>, **Mike Horton** and I interviewed **Ken Miller**, formerly the #2 executive - and 20-year veteran - at Aaron Spelling Productions, and now head of his own production company - My Media Productions.





It was great fun to talk with the producer of such massive hits as





"Love Boat," "90210," "Charmed," and dozens more. He had a very simple philosophy - focus on the story. However, in this case, we got him to describe his process in more detail.

Ken's background was editing with film. He started as a music editor and worked his way up. Toward the end of our interview we discussed the impact tapeless media is having on episodic production, as well as the changing dynamic of funding production.

Mike and I both found the interview fascinating. I've created a special excerpt of it, which you can listen to here: (TRT: 14:41)

Click to play the Ken Miller audio interview from Digital Production Buzz

Or, click here to view the contents of the entire show:

Digital Production Buzz - Jan. 28, 2010

[<u>Go to Top.</u>]

LARRY IS TRAVELING TO WASHINGTON, DC

My PowerUP Seminar series continues next week - Feb. 10 - in **Washington**, **DC**.

Thanks to the generous sponsorship of Red Giant Software and Smartsound, we are able to make our registration pricing VERY AFFORDABLE -- **only \$99** for a full-day of training.



- The seminar covers:
- Trouble-shooting Final Cut Pro
- Working with Alpha Transition and Channels in FCP
- Improving the look of your projects
- Integrating Soundtrack Pro with FCP
- Precision Audio Editing
- Adding Music
- Mixing your project
- Video Compression Power techniques

Plus, there's PLENTY of time to get your questions answered.

We only have about seven seats left. Class size is small to make the learning more personalized. This is my only trip to Washington this year, so please register today!

Click here to learn more.

[Go to Top.]

TECHNIQUE: GETTING ANALOG VIDEO FROM A MACBOOK PRO TO AN SD TV

David Tindale, from Australia, sent me the following technique:

Here is my work-around to get an analogue video signal from a Macbook Pro to an SD TV.

First you need to purchase a **Mini DVI to VGA adaptor** (\$45 approx. in Australia), then you need an **AV to VGA Digital Scan Converter Box** (anywhere from \$30 to \$70 Aus.). The Converter box comes with an RCA cable, a VGA cable, a USB power cable and the converter box itself.

It's fairly straight-forward to connect:

- Plug Mini DVI into Computer, connect VGA cable to Mini DVI adaptor.
- Connect other end of VGA cable to Converter Box, plug RCA cable from Converter box to TV.
- Connect USB power cable to Converter box and computer and Bob's your Aunty's live in lover.

The real problem solving came with getting the Macbook and TV to see each other. The solution that worked for me is as follows:



Select System Preferences > Displays

	Display Arrange	ment Color
Resolutions:		
640 × 480	0	
640 × 480 (stretched)		
720 × 480		
720 × 480 (stretched)		
800 × 500		
800 × 600		
800 × 600 (stretched)		
960 × 600		(Gather Windo
1024×640	Ă	
1024 × 768	Ŧ	Detect Displa
		🗹 Show displays in menu bar

Set resolution to the same as the TV (for me this turned out to be 720 X 480 stretched). (In the US, it would probably be 720 x 480. LJ)

	Display Arrangement Color	
To rearrange the displays, o	drag them to the desired position.	
to relocate the menu bar, o	Irag it to a different display.	

Go to **ARRANGEMENT** and make sure Mirror Displays checkbox is selected

In FCP go to VIEW drop down menu and set EXTERNAL VIDEO to **ALL FRAMES**. I was then able to playback full screen and check color correction.

There are a couple of problems with this workaround, one is that you're working in a very low resolution with FCP so I don't recommend editing, this is just for viewing and checking.

Another is, when resetting the resolution to go back to editing, make sure you have UNCHECKED the Mirror Displays checkbox BEFORE resetting resolution.

I made the mistake of resetting resolution first and my computer freaked out, it flashed through a number of resolutions before settling on a black screen that I couldn't get out of. I ended up having to reboot my computer (this is a trap for young players)

I hope this will help anyone else who has had the same problem as me of having to work with SD as well as HD footage. All-in-all the fix cost me about \$70 including postage.

Larry adds: Thanks, Dave, for writing this up.

[Go to Top.]

A COMMENTARY ON LEARNING

Ben Balser, an Apple-Certified Trainer for Digital Media, sent me the following commentary on investing the time to get trained. By way of background, Ben is a long-time educator and trainer. (I've edited his remarks a bit to reduce size.)

The problem [begins] when folks claim they don't have time to take a class, or do the Apple Pro Training Series (APTS) books, and claim they "have to rely on forums, trial and error" because of their limited time. Oh my goodness, let's set the record straight, shall

Simple fact of life; you can waste time figuring out problems on the fly, or take an hour or so a day, do a chapter in the APTS book, and by the end of your big video project, you're up to speed, and have spent a fraction of the time doing the book that you would otherwise have spent figuring out problems. You're choice how you spend your time; less time with the book, more time on forums and bashing your head against brick walls....

I have found many who go the "forums and experimenting" route spend a full hour plus a day in troubleshooting a common issue, or trying to figure out how to get an effect, or how to get some process to work. Had they spent that hour plus time with an APTS book doing the chapter that covers that issue, they'd not only have the issue settled, but they'd know much more about how the apps work, and will be more prepared to work faster, easier, and reach that deadline faster.

And the books are really easy to do, you can get through them pretty quickly. My personal recommendation is to take one hour or so every day after work, and do one chapter of an APTS book. In two weeks you're done, and you're working faster, easier, more productively, and more creatively. Even experienced editors who are self taught, discover after the class is done that they're editing time just got cut in half and are very surprised how much they did NOT know about FCP.

The excuse that "I learn better from watching a video" or "I can only learn from an actual teacher", is plain out laziness. Yes, I said "laziness"! Anyone can do the APTS book just fine, if you take the time to do it, and doing training in a book like that will help you retain the knowledge faster and longer. This type of hands on, and self motivated, is the best quality education. Do the book, take a class, or spend much more time and money trying to figure it out on your own.

Larry replies: Ben, thanks for writing. While I believe that folks learn in different ways, including video, I also agree with you that taking a formal course - whether by book, online video, or classroom, can make a world of difference in editing speed and quality.

That's one of the reasons I enjoy teaching.

[Go to Top.]

PASSING THOUGHTS

A collection of interesting tidbits that crossed my desk this month.

USING A MOUSE WITH YOUR HEAD

Ben Wyldeck sent this in:

I stumbled across this video today and decided that this is the way forward for FCP editing - <u>http://www.youtube.com/watch?v=0s5iqRpWH9c</u>. Its good to be livin' in the future!

[Go to Top.]

WHITE SCREENS IN FINAL CUT PRO

David Smith, from the UK, sent me the following:

Larry, Final Cut was only displaying white screens in both the Viewer and Canvas. I trashed preferences, and nothing was fixed. Then, Vicki Parks-Murphy showed me the secret. The whiteout was caused by the OSX display settings. The color setting was set to iMac, which should have been fine but wasn't.

So what I had to do was select another profile, then switch it back to iMac, this re-sets it (first though make sure FCP is quit). Then I had to trash all FCP's prefs and bingo it's all back. It wasn't a QuickTime driver at all.

[Go to Top.]

RESETTING KEYBOARD SHORTCUTS

Alexander Snelling shared this tip on a recent mailing list:

[If you are having problems changing keyboard shortcut layouts,] if you are using anything other than a US keyboard (and I have taught using most European keyboards) I find it helps to click reset before changing the keyboard layout settings. Kinda flushes out any little anomalies that might be lurking.

[<u>Go to Top.</u>]

SET IN AND OUT TO MARKERS

Here's a cool trick sent in by **David Smith**:



In FCP, if you set two markers in the Timeline and put your playhead between them, select **Mark > Mark to Markers** (or type **Control+A**) to set the In and the Out to match the position of the two markers. (This doesn't work in the Viewer, just the Timeline.)

[<u>Go to Top.</u>]

THOUGHTS ON TRAINING

Kit Laughlin, from Australia, writes:

As a workshop presenter myself, I loved your analysis of Motion (EDITORIAL: TRAINING THAT DOESN'T TEACH). This is THE problem in learning new software: the tutorial authors assume that the newbie understands the context in which the new software is situated, or that the newbie understands how the software thinks. Explaining how a function in some Tab works is not a substitute for this scene-setting. A huge two thumbs up to you for pointing this out.

[Go to Top.]

THOUGHTS ON SSD DRIVES

Kit Laughlin continues:

This brings me to the subject of solid state drives (SSD): I intend to build a new boot drive using one of these in an enclosure (to fit in the top disk drawer in the big machine), both to get past the "two users" problem, and to increase system responsiveness. I have an SSD in my laptop, and the difference in speed (opening new programs) between the SSD and a fast orthodox drive is simply incredible.

For example, opening PS on the laptop takes ~4 seconds; on the Quad core desktop, it's over 10 seconds. Expect the same order of speed increase on opening all FCP-related software; the feel of this when working is an incredible improvement.

[Go to Top.]

INLAND EMPIRE (CALIFORNIA) FILMMAKER GROUP

Eric Harnden writes:

I have begun organizing a local film making enthusiasts group called the "Independent Filmmakers of the Inland Empire".

The purpose of the group is to unite like-minded who enjoy filmmaking or some aspect of it. The plan is to provide A) camaraderie, B) education and C) support to the local filmmaking community.

The group is for the general public and will allow for many networking opportunities. I am basing the group organization and meetings off of successful meeting groups that I have been apart of. We will provide speakers, demonstrations, showcases and most importantly: RAFFLES!

I am looking for 1) members, 2) speakers and 3) sponsors!

Please see page: wordpress.quintessentialstudios.net/?p=255 for more info.

[Go to Top.]

SOMETHING WORTH WATCHING

Kevin Brumfield, and Fredrik Andersson both sent this in:

Here is a link to an incredible, full-CG, short by Alex Roman. He is a one-man-band, and must have put in an amazing amount of time to create this. While watching, I found myself saying several times, "this has to be real footage."

http://vimeo.com/7809605?hd=1

[<u>Go to Top.</u>]

RECORDING WITH THE CANON 5D MARK 2

JH Fleming sent me this link:

How to record sound with the Canon 5D Mk2 and a great plug in for Final Cut for auto synching, by Philip Bloom.

http://philipbloom.co.uk/2009/05/23/how-to-record-sound-with-the-canon-5dmk2/

[<u>Go to Top.</u>]

FIXING THE X.264 ENCODING BUG IN COMPRESSOR

Chris sent me the following:

[Larry, you've written that creating H.264 files in Compressor looks washed out.] Over the weekend, I tried googling things once more and came across a blog post describing a similar issue that I was noticing. I tried this approach as well by creating an H.264 mov using the *original* Compressor settings, and it produced very good results as well. I'm passing it along in case you're interested:

http://ahrengot.wordpress.com/2009/09/12/tip-how-to-fix-the-quicktime-h-264-gamma-bug/

I didn't use the vectorscope to do a more technical comparison due to time, but of the two options (using "correct" Compressor settings and the x264Encoder approach), the x264Encoder solution seems to yield a slightly more color accurate H.264 encoding for me. The only downside is it requires an additional exporting step after it comes out of Compressor.

Larry replies: Thanks, Chris. I haven't tested this, yet, but wanted to share it with readers looking for a way to improve their H.264 compression.

[<u>Go to Top.</u>]

GREEN SCREEN HANDBOOK

Jeff Foster tells me he has finished his latest book: The Green Screen Handbook.

Publication date is March 8. Here's the link: http://pixelpainter.com/

[Go to Top.]

ANOTHER GREAT IPHONE APP

John Stealey sent this in:

Discovered another iPhone app:

www.usatoday.com/tech/columnist/edwardbaig/2010-01-13-dragon-dictation-iphone_N. htm

You talk - it types - great for location notes - give this a shot! No need to look for paper and pen to take notes or use the keyboard on the iphone, simply talk then send your spoken message which has been magically converted to text to anything - I find it very useful and very fast for scouting locations and making really quick location production notes I might need later. Best thing about it - it's FREE!

[<u>Go to Top.</u>]

MORE FCP FILTERS

Jeff Brenes, from Costa Rica, sent me this:

I recently found out a punch of free nice filters for FCP / FCE, that may be helpful for some people and thought to share them this way. (I don't know if you already know or write about them, but in case not here there are)

The filters are developed in fxscript by Piero Fiorani (PieroF), and have some nice features for video effects.

The most remarkable filter is a version of the alpha transitions currently packaged in FCP 7, fully functional to use in older FCP versions.

Other filters are:

- Reflections: video reflection effect, the final video looks similar to the reflections in the main menu of Front Row
- Time Remap: allows to keyframe the speed of the clip so the clip will play at different speeds in different timecodes
- Clone: clones a rectangular area of a clip into a different area in the same clip
- There are several effects filters more.

Here's the link:

web.me.com/piero.fiorani/PieroF_FCE_Effect/Welcome.html

[<u>Go to Top.</u>]

READER MAIL

GETTING STARTED WITH FINAL CUT PRO

Nicholas Jacobs writes:

My 10 year old ACTRA actress daughter (acting since she was 5) wants to produce films. She's very creative and a good actor and very good with voice work.

It was suggested that she write a short story and use stuffed animals as characters, film it herself, do the voice work and then work with Dad on an iMac to produce a film. We have not bought the iMac yet, and will probably start with iMovie, but may move to Final Cut Express if we need to.

Can we do this with Final Cut Express (not the pro version).

I want to get her started, hopefully with our Canon (as there are just too many options on HD right now) camera and hopefully iMovie and grow from there.

Any advice you can give would be greatly appreciated.

Larry replies: Thanks for writing - and my best wishes for Elizabeth's success. At ten-years-old, even a highly motivated kid may not be ready to make a dedicated career commitment. So, as the father of a daughter myself, here's my take:

1. The hardest part of producing a movie is PLANNING! Thinking thru clearly what your story is, how you want to shoot it, and how you want it to look. Draw sketches of key scenes. This does not require any software - pencil, paper, and brainpower is all that's necessary. This process is frustrating, difficult, time-consuming, and absolutely necessary. Oh, and it is also great fun.

2. The second hardest part of producing a movie is getting it shot. Making it look right. Telling your story the way you want. This, too, does not require any software; just a camera.

3. If you survive step 1 and step 2, the editing is the least of your worries. I would opt for cheap and easy - iMovie is fine. So is Sony Vegas on the PC. Don't get hung up on tools at this point. You are deciding if you like the process.

4. If you can *plan* a movie, *shoot* a movie, and *edit* a movie that others want to watch -- and you want to do it all *AGAIN* -- that is the point to invest in the tools to become successful.

For now, it is enough to try.

[Go to Top.]

BATCH EXPORT VS. COMPRESSOR

Kevin Spaan asks:

I was recently editing a musical and had several special features. I recorded and edited it in 1080i HDV and then I batch exported all of the sequences to ProRes 422 DV format.

I then compressed to DVD.

Will I see an improvement in your process of using Compressor over what I did here? Thanks!

Larry replies: I would expect files converted in Compressor to look better. Plus, Compressor runs in the background, while Batch Export requires FCP to be running; preventing you from doing any editing while the export is going on.

UPDATE - FEB. 3, 2010

Lee Berger adds:

Another feature in compressor not available in batch export is crop, handy when you want to crop out visible blanking in the frame.

Larry replies: Thanks, Lee, I agree.

[<u>Go to Top.</u>]

CREATING A BLU-RAY DISC

Jan Bliddal asks:

Can you lower the bit-rate enough when burning to Blu-ray for it to fit on a 8.5GB duallayer red laser disk or will I have to invest in a Blu-ray burner. I will be using the latest version of Final Cut Studio.

Larry replies: Yes and no.

Final Cut Studio (3) allows you to create what Apple calls an AVCHD Disc. This formats video to meet the Blu-ray Disc specifications, then burns it to a standard, single-layer DVD using a red laser.

Normal compression data rates for AVCHD are about 1/3 less than standard Blu-ray Discs, but the images still look good - much better than SD video.

That's the good news. The bad news is that you are only able to burn 20-30 minutes of material to the DVD. Which means this is a good alternative to Blu-ray for short subjects, but not acceptable for longer projects.

[Go to Top.]

BLU-RAY QUESTIONS

Ben writes:

I have been trying out the new Blu-ray features in Compressor 3.5 and was impressed with the results however ...

I was trying to produce a looping Blu-ray with 3 separate audio tracks (one is 5.1, two is stereo wide dynamics, three is stereo smaller dynamics) It seemed very unclear which track gets used for the authoring of the Blu-ray disk or how to get this to work.

Any tips?

Larry replies: You can't do this with either Compressor or FCP.

On the Mac, this kind of authoring can only be done using Adobe Encore, which is a part of the <u>Adobe</u> CS4 Production Premium suite.

[Go to Top.]

GETTING 16:9 PROJECTS TO LOOK RIGHT

lan Absolon asks:

I produce animations in Motion in 16:9 then save them to a Motion file. I then import it into an FCP timeline (again 16:9). I always have too use Motion tab > Distort aspect ratio to change from 33.33 to 0.

What am I doing wrong?

Larry replies: My first guess is that you are not creating them as 16:9 projects in Motion.

A	Name 🔻	2	Pixel Aspect	Anamorphic
	Hummingbirds CU 01		NTSC - CCIR 60	1
►	📰 Katie-6		HD (1440x1080	N.
	EE Sequence 1		NTSC - CCIR 60	

If you are, then sure after importing the file into the FCP Browser -- and before editing it to the Timeline -- to check the Anamorphic column in the Browser. Checking transforms a 4:3 clip or project into 16:9. Changing the **Distort** settings in the Motion tab is never a good idea.

HD footage does not need the Anamorphic field checked, this is used only for SD PAL or NTSC.

[Go to Top.]

SETTING DVD SP TRACKS FOR 16:9 VIDEO

Trent Anderson asks:

I am exporting a 16:9 video project from FCP, using Compressor. No problem, it sends the M2V video and AIFF audio file to a source folder.

Then, I import the assets into DVD SP and drag them into the Track Editor. Then, in the
Outline Viewer I click on the Track 1, and it brings up a Track box on the right, where I can select Display Mode, and choose either 4:3, 16:9 Pan Scan, 16:9 Letterbox, or 16:9 Pan Scan & Letterbox. This is for a trade show video, and the client will be playing it in a DVD player onto a wide screen TV, e.g 42". Which of those three settings would be the best one to use, so that it will properly fit the screen?

Larry replies: Assuming you are using SD video, as DVD SP does not support HD, and assuming, also, that you are exporting your moive in 16:9 format, you would set the track in DVD SP to **16:9 Letterbox**.

000	Track
Name:	Track 1 Est. Size: 0 KB
End Jump:	not set *
General	Other User Operations Transition
Resoluti	4:3 16:9 Pan-Scan
Display Mo	di 16:9 Letterbox
Playback (16:9 Pan-Scan & Letterbox
Pre-Scri	ipt: not set 🕴
w	ait: 🖲 None
	O Seconds
	🔘 Infinite
Remote Co	ontrol
Me	nu: Same as Disc 🕴
Ang	gle: Same as Disc 🕴

NOTE: The Pan-and-Scan formats require pan-and-scan data generated by software that is not included in Final Cut Studio.

[Go to Top.]

CREATING 16:9 VIDEO IN DVD STUDIO PRO

David Scott writes:

I've decided to begin creating my shows in 16:9 SD (heretofore they've all been 4:3). I'm assuming that most folks by now have acquired 16:9 TVs. My question is this: Do I need to worry about anamorphic settings in FCP? I'd like the DVDs I distribute (prepared in FCP in 16:9) to fill the 16:9 screens of my recipients and, preferably, appear letter-boxed when viewed on a conventional 4:3 set.

Larry replies: This is a multi-step process. Here's the short version. Provided you maintain a 16:9 aspect ratio throughout shooting and editing, all recent DVD players will properly display 16:9 video on both 16:9 and 4:3 TV sets.

(And, yes, you need to worry about the anamorphic setting - see the answer above. All widescreen SD video needs the anamorphic setting turned on.)

The specific production steps are:

1. Shoot your video using 16:9 settings on your camera. These are often called widescreen or anamorphic. While these two terms don't mean the same thing, they are often used interchangeably.

2. Create your sequence in FCP using anamorphic settings. For example, for DV footage, using DV/NTSC 48 kHz - Anamorphic. All HD video is always 16:9 and doesn't use the anamorphic setting.

3. Export your finished movie using **File > Export > QuickTime Movie**, set to **Current Settings**. DON'T worry about how your video looks in Quicktime - it will probably look squished. This is normal.

4. Compress the file in Compressor and be sure the Geometry tab is set to an Aspect Ratio of 16:9 (see my <u>Compression article</u> earlier in this issue.)

5. Import the compressed file into DVD Studio Pro.

6. Create a new track in DVD SP. Select the track and make sure the Display Mode, in the Inspector, is set to **16:9 Letterbox**. (See the preceeding answer for the screen shot.)

Following this procedure will display your video as 16:9 on flat panel displays and letter-boxed on older 4:3 TV sets.

[<u>Go to Top.</u>]

CONVERTING HDV VIDEO TO A LETTER-BOXED DVD

Eric Wrate writes:

I shot HDV on a Canon HV20. Edited it on a iMac using the latest version of FCP. I now need to be able to burn a "letterbox" version (i.e. black bars top and bottom - showing a 16:9 image).

Can you tell me in simple talk how to achieve my goal. I am only using FCP and Toast 9 (I have their Plug in HD/BD plug in).

I have previously done this by editing in HDV - when finished I highlighted my time line and copied it. I then opened a new project - and set the Easy setting to DV-NTSC and "pasted" the copied file into the new project. I then rendered it and saved it (it took a time for this) - but it worked. I have tried this - now, and it does not work.

Have they changed something in the new version of FCP?

Larry replies: Not necessarily, but probably -- it's a new dialog in FCP 6.

Before we start, let me stress something you mentioned. When you want to put video on a DVD, it must be standard-def, not high-def. HDV is a high-def format. Blu-ray Discs (and its cousin, AVCHD Discs) are the only options for high-def media on optical discs.

So, here are the steps to get started:

- Convert the HD into SD video
- Compress it
- Get it to play letter-boxed.

Option 1. Create a new SD timeline. You can use **DV/NTSC**, but I prefer using **DV50** - the files are twice as big, but the image quality is better. Then, copy and paste JUST ONE HDV CLIP into this new sequence.



When you see this dialog, say **No**. This tells Final Cut not to change the sequence settings to match your clip. (This dialog first appeared in FCP 6.)

Delete the clip you just pasted into the timeline.

Copy your entire HDV sequence and paste it into the Timeline. Now that you've properly configured the timeline, everything should be properly letter-boxed.

This is an improvement on your method and it works, but I tend not to use it, as I prefer how Compressor changes the size of a clip.

Option 2. Export your sequence from Final Cut Pro as an HDV movie. (Use the Current Settings option with **File > Export > QuickTime movie**.)

00) 🖯 Settings
Set	tings Destinations
0	\$ \$ a = a = a = a = a = a = a = a = a =
	Apple 4 Groups
	Apple Devices 3 Settings
	DVD 10 Groups
	DVD: Best Quality 120 minutes 2 Settings
	DVD: Best Quality 150 minutes 2 Settings
	DVD: Best Quality 90 minutes 2 Settings

Compress the file using Compressor using the appropriate DVD Best Quality settings from the **Apple > DVD** folder. This automatically down-samples your movie to SD and

compresses it for DVD.

Import your movie into DVD Studio Pro and place it into a 4:3 track.

This works, but I prefer to have letter-boxing turned on only for those TV sets that require it. This option letter-boxes everything and could cause problems with 16:9 TV sets. My preference is the third option.

Option 3. Export your sequence from Final Cut Pro as HDV.

Compress the file using Compressor using the appropriate DVD Best Quality settings from the **Apple > DVD** folder. This automatically down-samples your movie to SD and compresses it for DVD.

Import your movie into DVD Studio Pro and place it into a 16:9 track.

This displays your movie at 16:9 on TV sets that support 16:9, and automatically letterboxes your movie for TVs that only display 4:3.

For me, this third option provides the fastest workflow (no additional rendering in Final Cut Pro), highest quality (Compressor does a better job than Final Cut Pro), and greatest flexibility (16:9 and 4:3 support, depending upon what the TV set displays).

UPDATE - FEB. 4, 2010

Bill Megalos adds:

When I work with HDV and am looking to output an SD DVD, I let iDVD do all the heavy lifting. **File> Export>QuickTime Movie** using current settings, (ie, you will end up with a 1440x1080 QT file) and let iDVD do the conversion to SD. Much faster and looks fine, especially if you choose **Professional Quality** in the preferences **iDVD>Preferences>Projects>Encoding>Professional Quality**.

That should handle at least 30 minutes, if it balks at that, choose High Quality. Please note that changes apply ONLY to subsequent projects, so check/change you preferences and then start the project.

MUCH faster than downconverting in FCP or Compressor and I think it looks better than FCP and possibly as good as Compressor.

Larry replies: Bill, this is a great tip and something I didn't know. Thanks!

[Go to Top.]

RETAINING CHAPTER MARKERS IN H.264 VIDEO

William Aleman provides this update:

[Last month, **Ben Balser** asked a question on how to retain chapter markers in H.264 video.] I've successfully exported the Chapter Markers to iTunes, iPod, and QuickTime players without any extra steps or work around using FCP 6.0.6

I think that the missing step in the process here is that the users are not adding or converting the editing markers in FCP's Timeline to "Chapter Markers" before they export the self containing QuickTime Movie. Following are the steps.

Edit Marker		
Name: Credits		
Comment: Timeline chapter		
Start: 01:06:17;05 Delete		
Duration: 00:00:00;00		
Add Chapter Marker		
Add Compression Marker		
Add Scoring Marker		
Cancel OK		

Create the Timeline Markers

Edit Marker		
Name: Credits		
Comment: <chapter></chapter>		
Start: 01:04:33;08 Delete		
Duration: 00:00:00;00		
Add Chapter Marker		
Add Compression Marker		
Add Scoring Marker		
Cancel OK		

Convert the Timeline Markers to **Chapter Markers** in the Edit Marker dialog by clicking the **Add Chapter Marker** button.

Export a self-contained QuickTime Movie.

000	Save	
	Save As: My Movie Where: 2nd Drive	;
Include:	Current Settings None VDVD Studio Pro Markers Compression Markers Chapter Markers Audio Scoring Markers All Markers	÷ Ca

Important note: When you want to include markers as part of your export from FCP, it is essential to select **DVD Studio Pro Markers** in the Export dialog. Otherwise, your markers will not export properly. Larry.

Second Note: Reference movies do not retain chapter markers, only selfcontained movie do.

Compress the exported movie to H.264. (It has a .m4v file extension.) and add the H.264 movie to iTunes



In iTunes 9 Menu, next to Help, in the top right is the Chapter menu. Click and hold it down to reveal the chapters list.

The second method to display chapter markers is in the iTunes and QuickTime transport. Click and hold down the chapter icon in the right side of the playback transport.



To display the chapter markers in iPod:

- Double click the center button in the iPod. A bar containing little divided rectangles will appear. Each division correspond to each chapter.
- Press the back or forward button in the iPod to display and navigate to the chapters.

One more thing: The chapter tab doesn't appear in iTunes Menu until a video with chapters is in playback or pause mode.

Larry replies: Thanks!

[Go to Top.]

USING MPEG STREAMCLIP TO CONVERT TO APPLE PRORES

Connor Jay writes:

leo Stereo (al Back Back Network	Apple FCP Uncompressed 8-bit 4:2:2 Apple Planar RGB AVID 1:1x AVID Meridien Compressed Codec AVID Meridien Uncompressed Codec AVID DV100 Codec AVID DNxHD Codec	edits
	AVID DV Codec	
Compression:	AVID Packed Codec	Op
Quality:	Sorenson Video [™] Compressor	2-
100 % -	Sorenson Video 3 Compressor Apple BMP	□ B-
🗌 Limit Data R	H.264	
Sound: Unt	Apple Cinepak Apple DVCPRO50 - NTSC	2561
Frame Size:	Apple DVCPRO50 – PAL	
O 1440 × 1080	Apple DV/DVCPRO – NTSC	ling
○ 1920 × 1080	Apple DV - PAL	
● 1920 × 1080	Apple DVCPRO – PAL	iscanity
○ 720 × 576 (Apple H.261	essive mo
○ 720 × 480 (H.263	caling
○ 1280 × 720	Apple VC H.263	Channe

I had a question I was hoping you might know the answer to -- my MPEG Streamclip does not have the options to convert my 5d MK2 videos into Apple Pro Res. Attached is a screen shot of the option available to me. Did I download the wrong version of the program or should I choose

one of the options listed to try compress my videos for Final Cut?

Larry replies: Connor, you need to have Final Cut installed on a system for ProRes to be active.

Quality: 50 % H. Limit Data R Ar Sound: Unc Ar Frame Size: Ar 640 × 480 (Ar 720 × 108 (Ar) (Ar 720 × 108 (Ar) (Ar) (Ar) (Ar) (Ar) (Ar) (Ar) (Ar)	pple ProRes 422 pple ProRes 422 .264 pple Cinepak pple DVCPRO50 – NTSC pple DVCPRO50 – PAL pple DV/DVCPRO – NTSC pple DV – PAL pple DVCPRO HD 1080p25 pple DVCPRO HD 1080i50 pple DVCPRO HD 1080i50 pple DVCPRO HD 720p60 pple DVCPRO HD 720p50 pple DVCPRO HD 720p50 pple HDVCPRO – PAL pple H.261 .263 pple VC H.263 pple HDV 720p30 pple HDV 1080i60 pple HDV 1080i50
---	--

I just downloaded the latest release of <u>MPEG Streamclip</u> (1.9.2 -- NOT the beta version) and ProRes was available.

If you don't have ProRes installed, two other high-quality format options are **Apple Animation** or **Apple DVCPRO 50**, depending upon how important file size is.

[Go to Top.]

SEARCHING FOR MISSING FILES

Peter Tours writes:

	Searching for movie data in file " WORK -FIN-00000007".	SEQ	
		Stop	
_	Reading project		
Preparing video for display			
Cancel			

Larry, can you tell me what the attached message is asking for and how I can make it stop doing that? Or make it happy and find it?

Larry replies: FCP is searching for a missing render file. This can happen when you export a QuickTime reference movie, load that reference movie back into FCP for editing, then delete some or all of the render files associated with that reference movie.

Reference movies are ONLY designed for files that you don't want to keep -- for example, to export a file that will immediately go into Compressor. Since all compressed files are always self-contained, using reference movies is both fast and safe.

However, the problem with a reference movie is that if you delete only ONE render file, the entire movie will not play. This means that if you want to export a movie, then import it back into Final Cut - or any other program - for additional editing, you MUST use a self-contained QuickTime movie.

The only way to fix this error message is to find the original sequence that created this movie and reexport it as a self-contained QuickTime movie. Then replace the old, broken, reference movie with the self-contained version.

Remember - reference movies are fast, but only to be used for files that are temporary.

[Go to Top.]

CONNECTING A SATA HARD DRIVE

Jeffery Templeton asks

I recently attended your seminar here in San Francisco and you talked a bit about different connections and their relative speeds. You mentioned that SATA is, of course, the fastest. I've always used LaCie drives and most of them have the SATA port, and I would like to start utilizing these. My home system is a MacBook Pro Core 2 Duo 17", was wondering if you could recommend a SATA PCI express card?

I've gone on-line and looked at several, but the customer reviews of each have scared me from taking the plunge with one or the other.

Thanks, for ALL of your help over the years!

Larry replies: Thanks for writing and the kind words!

The safest choice is to go with the SATA card recommended by your hard drive vendor. They will always know what works best with their system.

Given that, I tend to be a fan of Sonnet cards.

Also be SURE your MacBook Pro has an ExpressCard 34 slot (left side of the computer). Without it, you can not connect your hard drive via eSATA.

[<u>Go to Top.</u>]

BOOTING FROM A FLASH DRIVE

Richard Day writes:

That's a great tip in the last issue, booting from a flash drive for repairs and maintenance. I did this a couple of months ago, with a new HP 16GB flash drive. But it's VERY slow. I think the data transfer rate of your flash drive may be very important when the flash drive is used for this purpose. I wonder if a high-speed SD card in a card reader would work better? Or do you know of a FAST flash drive?

Larry replies: By design, USB is very slow on a Mac. So, while it works, it will take a while.

[<u>Go to Top.</u>]

A COUPLE OF QUESTIONS

Mark Bradley writes:

After reading your December issues, I have two questions:

1. Someone had a question about the longevity of DVD's. I agree that this is no place to skimp on quality. I have been searching for a solution to archive material that is shot either to tape or card. Tape won't last forever and P-2 cards are too expensive to keep buying. Media drives need to have the data re-recorded/refreshed to keep all of the info intact over long periods of time. What is your thought on backing up material? I had this crazy notion of backing up materials shot on a P-2 card or ingested tape to a Blu-ray disk. The card and disk both hold about the same amount of data. Of course one of the problems is Apple and Blu-ray not wanting to play nice.

Larry replies: At this point, I'm recommending archiving to LTO-4 tape drives. These are the drives currently used in IT departments around the world to back up corporate servers. There are lots of equipment options from multiple vendors - <u>Tandberg Data</u>, HP, Dell - and the tapes last about 25 years.

I am not a fan of Blu-ray for archiving because I'm not sure how long Sony will be supporting the format. However, I do recommend using Blu-ray Discs to distribute HD versions of projects for those that need to be on optical disc.

Mark continues:

2. Another thing I want to get your thoughts on is archiving past/finished projects. Like me, I'm sure you have accumulated lots of tapes containing copies of projects you have worked on. I am working on a new demo reel and want to convert this material into a

safe, stable and highly usable format. I have stuff on 1 inch, 3/4 inch, beta (SP and digital), and about everything else you can think of. Before the oxide turns to dust, I want to transfer it. I purchase a small FCP system in November of 2008 to learn FCP because more people here are getting rid of their Avids. So, I will be editing on FCP. A local Edit Facility will let me use their systems to ingest into an Avid. My plan is to then export the materials as an uncompressed quicktime using Animation + Best settings. All of the stuff I want to convert is SD. Does this sound like a feasible way of doing things? Any thoughts would be appreciated.

Larry replies: A few years ago, I converted all my 2" and 1" materials to both DigiBeta and MiniDV. Today, assuming I have Final Cut Pro 7, I'd use ProRes 422 HQ as one of my capture formats.

ProRes provides a high-quality, editable format at a higher quality than any of the tape formats you mention in your question.

If I want to archive footage for the indefinite future, I'd use PhotoJPEG at 100% quality. PhotoJPEG, while generating files a bit bigger than ProRes, is an open standard that, at 100%, is fully lossless. However, it will require rendering in order to edit, unlike ProRes.

ProRes has higher quality than the Animation codec, while both PhotoJPEG and ProRes create smaller files than the Animation codec.

[Go to Top.]

CAPTURING ANALOG FOOTAGE

Jürgen Toussaint, from Germany, writes:

One thing I am not sure about and that is the system settings for capturing old analog footage from Sony ³/₄ " NTSC Umatics. So far I am getting always drop [frames] while I am trying to transfer the footage on my MAC (10.5). To convert I am using a Pyrow AV Link and a Grass Valley "Canopus". If I use the same tapes and a Dazzle converter with the PC and "Pinnacle" from AVID, the transfer works! Same playback machines Sony ³/₄" Umatic. Any idea?

Larry replies: A dropped frame error generally indicates a hard disk that is too slow to support the video format you are trying to capture.

Here's an article I wrote that explains this more fully:

www.larryjordan.biz/articles/lj_video_data_rates.html

While I haven't used the specific gear you mention, here are several ideas:

1. Use the PAL DV codec. This is higher quality than U-Matic, but creates relatively small file sizes.

2. Be SURE you are capturing to a hard disk that is not your boot disk. In other words, use a second drive.

3. Use a hard disk connected via FireWire, not USB. USB runs slower on a Mac than it does on a PC.

This should make for very clean captures.

DECIDING WHAT MAC TO BUY

Fredrik, from Sweden, writes:

Thinking about which configuration of a new Mac that best suites either Final Cut or/and Premier Pro!? I Will work with both apps including After Effects.

Do you think that the new iMac is fast enough and will transcode and render fast enough. I'm working with a Panasonic AG HPX 171 HD camera with 2 32 GB P2 media cards and also use a Nexto video "middle" storage disk to transfer full P2 media content while when using continuously shooting.

Larry replies: Fredrik, up until I saw the demo of the new Mercury Playback Engine from Adobe, I would have said that an iMac would be fine. However, to make the most of the blazing speed of this technology requires an NVIDIA graphics card, which can't be added into an iMac.

Still an iMac may be the best choice if you are not creating files that require a lot of rendering. As for speculating on the speed of an iMac that Apple hasn't released - well, that's a pretty foolish exercise. I long ago decided that all unreleased computers are infinitely fast, as they travel exclusively at the speed of thought.

The big limits to an iMac are that it isn't expandable and can only connect FireWire hard drives and RAIDs, which limits file transfer speeds. In some cases, however, newer iMacs are faster than MacPros.

In general, MacPros will be faster than iMacs - but they cost about twice as much for all that speed and expandability. Which means if you need top-of-the-line performance, the MacPro is the better choice.

[<u>Go to Top.</u>]

ARCHIVING A SEQUENCE

Rick Gennaro asks:

My question is for FCP 6. Is there a way to archive a sequence? If I remember correctly from FCP 5, I saved a sequence as an archive, which maintained all the cuts and files so that I could 'clean' the rest of the files, etc. from my hard drive, including the source files.

Larry replies: Yes, you can do that using Media Manager. Use the **Move** option and delete media that is not being used.

Be careful! This can be VERY tricky - read the FCP manual first so that you don't delete media you actually need.

I created a video tutorial that covers how to do this. You can learn more here.

[<u>Go to Top.</u>]

VIDEO OUTPUT PROBLEMS WITH SNOW LEOPARD

Adam Connell sent this in:

It turns out that the pro apps late 2009 that updates FCP to 7.0.1 also makes a change to QuickTime.



The file I have selected in shot 1,DesktopVideoOutput.component, (path bar is active so you can see where it is) gets updated. It controls Quicktime's output, and is responsible for the display of video using desktop cinema preview and to an extent, the preview through some realtime cards. It causes playback issues within final cut when you are using a second monitor for playback either as digital cinema desktop or a broadcast monitor. Incorrect interlacing, bad gamma, and everyones favorite: dropped frames.

SOLUTION

For affected users I found a fix being discussed on CreativeCow. For those who have an install disc for FCP 7 you can find the DesktopVideoOut.component file and replace your broken one.



See the file in shot 2. (its on your FCP 7 install disc or in the disc image you made of it) Copy this to the desktop. Unzip. It will make a folder called "Library" with folders "Apple" and "Quicktime" inside.

□ QuickTime		
DesktopVideoOut.c	DVCPROHDMuxer.c omponent	DVCPROHDVideoDi gitizer.component

Inside "Quicktime" you will find an original, working, DesktopVideoOut.component file. Replace the same one in shot one with this. All will be well again, OSX 10.6.2 with FCP 7.0.1 (pro apps 2009 installed)

Larry replies: Thanks!

[Go to Top.]

WRAP-UP

Well, that's about it for this newsletter.

For current news and in-depth interviews on what's happening in our industry, be sure to listen to the <u>Digital Production BuZZ</u> every week. In fact, email me on how you can <u>put the free BuZZ player</u> on your website!

- Visit our store and buy some of our latest tutorials.
- Check out our current seminar series, I'd love to meet you there!

Also, please continue <u>sending me your comments</u> and questions. I love hearing from you and enjoy the conversations that develop around your comments.

Until next month, take care, and edit well.

Larry

Subscribe to Larry's FREE

Monthly Newsletter!

Email:

[Click here for a printer-friendly PDF version of this issue. 1.9 MB]

Legal Notes

The newsletter is free -- but does require a subscription. Please invite your friends to sign up at <u>www.larryjordan.biz/newsletter</u>.

To unsubscribe, simply send me an email and I'll remove you from the list. This list is not sold, rented, or bartered. The only person who knows you are on this list is me.

The information in this newsletter is believed to be accurate at the time of publication. However, due to the variety of possible system and software configurations, the author assumes no liability in case things go wrong. Please use your best judgment in applying these ideas.

The opinions expressed in this newsletter are solely those of the author. This newsletter has not been reviewed or sanctioned by Apple or any other third party. All trademarks are the property of their respective owners and are mentioned here for editorial purposes only.

Text copyright 2009 by Larry Jordan & Associates, Inc. All rights reserved. This newsletter may not be reproduced or published in any way, in whole or in part, without specific written permission from the author.

Links to my home page, blog, or website articles are welcome and **don't** require prior permission.

<u>Home</u> | <u>About</u> | <u>Final Cut Studio Training</u> | <u>Final Cut Studio Tips & Articles</u> | <u>Goodies</u> | <u>Products</u> | <u>Email Support</u> | <u>Contact</u>

© 2010, Larry Jordan & Associates, Inc. All rights reserved. info@larryjordan.biz