

ADVCmini

ANALOG/DIGITAL CONVERSION FOR MAC

Release Notes

Software Version 1.0 (August 2010)

www.grassvalley.com



Video quality settings

The ADVC capture software has THREE video quality settings. We strongly recommend using the default setting (center position of the slide bar) to maintain a good balance between quality and file size.

The video quality settings are explained below:

Slider positioned Center (default)

Suitable for capturing files for iDVD, iMovie or Final Cut Pro, for video editing or burning DVD. File size is 180MB/min (approx.).

Please note: this setting creates a file which is incompatible with a PC running under the Windows operating system.

Slider positioned to the left

The captured file is compatible with a PC running under the Windows operating system. Use this position if you need to load the file onto a Windows OS machine for playback, editing or burning a DVD. File size is 217MB/min (approx.).

Slider positioned to the right

The captured file is uncompressed and compatible with a PC running under the Windows operating system. File size is 1GB/min (approx.).

Burning a DVD after using non-default capture setting

If video is captured *after* moving the quality slider from the default setting (either left or right), and then dragging and dropping the file onto iDVD, the video image will be vertically compressed when playing the burned DVD. To correct this problem:

- 1. Start iMovie and choose [iMovie] > [Preferences].
- 2. 'iMovie Preferences' will appear.
- 3. Click 'Video' icon and set following parameters:

| 00 | | iMovie Preferences |
|-----------------|--------------------|---|
| | Video | A |
| General browser | video | Fonts |
| | Video Chang | Standard: NTSC - 30 fps |
| Ir | mport H[| D video as: 🛛 Full – Original Size 🔷 🗘 |
| 1. Choos | This ing Full o | s setting has no effect for DV or MPEG-2. n this computer may result in degraded video playback. |

NB: or you can set it to PAL - 25 fps if that is the format you are using

4. Quit Preferences and restart iMovie to accept the changes

5. After restarting iMovie, choose [File] > [New Project] and adjust settings as shown below, then click [Create] button.

| Project Name: | New Project | | |
|---------------|-----------------|------------------|----------------|
| Aspect Ratio: | Standard (4:3) | | • |
| Theme: | 25 | Loven Sprin | in the second |
| | None | Photo Album | Bulletin Board |
| | LOREN DYUN | | Cover Ipsue |
| | Comic Book | Scrapbook | Filmstrip |
| | Automatically a | add: Cross Disso | lve 🛟 |
| | | Can | cel Create |

NB: make sure that Aspect Ratio is set to 'Standard (4:3)'.

6. Load the movie file into the Event Library.

| | Movies | \$ | Q |
|--|---|--|---------------|
| DEVICES | 20100701 | Þ 👝 🔮 201 | L0071700.MOV |
| BOOTCAMP | 20100702-2 | ► 2 01 | 10071714.MOV |
| Macintosh HD | 00706 | P 201 | 10071136.MOV |
| iDisk | Desktop | 201 | 10071056.MOV |
| | Documents | 201 | 10071714.MOV |
| UVD_VIDEO = | Downloads | P 201 | 0071147.MOV |
| SHARED | Library | Þ 💆 👱 201 | 0071355.MOV |
| 🧧 opaopa | macbook | r 🛛 💌 201 | 10071821.MOV |
| nelaric cur? | 🔄 🛅 Movies | ► 🔺 🔮 201 | 0071907.MOV |
| polaris-svr2 | | | 0071 022 MOV |
| pub-svr-ns02 | 🔺 🧰 Music | P 🝸 🖉 201 | 10071932.1000 |
| polaris-svr2 pub-svr-ns02 Save to: Ma | Music Pictures | Free / 11 hours 36 | min) |
| Save to: Ma | Music Pictures | Free / 11 hours 36 | min) |
| Save to: Ma Add to ex Create net | Music Pictures Accintosh HD (46.7GB sting Event: NTSC v Event: | ▶ ¥ ¥ 201 ▶ II ₩ 201 | min) |
| Save to: Ma Add to ex Create new | Music Pictures Acintosh HD (46.7GB sting Event: NTSC v Event: imize video: Full - | P V 20 P II W 20 Free / 11 hours 36 Original Size | min) |
| Save to: Ma Add to ex Create new Opt Selecting F | Music Pictures Acintosh HD (46.7GB sting Event: NTSC v Event: imize video: Full - ull on this computer ma | P V 20 P II W 20 P | min) |
| Save to: Ma Add to ex Create new Opt Selecting F Copy files | Music Pictures Music Pictures Acintosh HD (46.7GB sting Event: NTSC v Event: imize video: Full- ull on this computer material | P V 20 P II W 20 P | min) |
| Save to: Ma Add to ex Create new Opt Selecting F Copy files Move files | Music Pictures Acintosh HD (46.7GB sting Event: NTSC v Event: imize video: Full - ull on this computer ma | P V 20 P II W 20 | min) |

NB: 'Optimize video' option must be <u>unchecked</u>. If this option is enabled, transcoding occur.



7. 'Select Entire Clip' from context menu.



8. Drag and drop onto the Project Library area.



- 9. Select clip placed in step. 6 and choose [Share] -> [Export using QuickTime...].
- 10. Click [Options...] button.

| | Save exported file a | S |
|---------|--|-------------|
| | Save As: New Project.mov Where: 20100706 | |
| Export: | Movie to QuickTime Movie | Options |
| Use: | Default Settings | \$ |
| | | Cancel Save |

11. Movie Settings window will appear. Click [Settings...] button.

| | Movie Settings |
|----------------------------|--|
| ─ Video | |
| Settings Filter Size | Compression: Apple Intermediate Codec Quality: Medium Interlaced (top field first) Dimensions: 720x480 (640x480) |
| Allow Trans | coding |
| Settings | Format: Integer (Little Endian) Sample rate: 48.000 kHz Sample size: 16-bit Channels: Stereo (L R) |
| Prepare for Int | ternet Streaming |
| Fast Start | Settings |
| | Cancel OK |

12. Standard Video Compression Settings will appear. Adjust each setting as shown below, and click [OK] to go back to the Movie Settings window.

| Standard Video C | ompression Settings |
|-----------------------------------|-------------------------|
| Compression Type: Apple Intermedi | ate Codec 🛟 |
| Motion | Data Rate |
| Frame Rate: Current 🛟 fps | Data Rate: Automatic |
| Key Frames: Automatic | Restrict to kbits/sec |
| Every frames | Optimized for: Download |
| • All | |
| Frame Reordering | |
| | |
| Compressor | Preview |
| Preset: | |
| O HDV 720p | |
| O HDV 1080i | |
| HDV 1080p Other | |
| | |
| Interlaced | 02-27-12-10- |
| Top field first | |
| | |
| | |
| ? | Cancel OK |

- 13. Click [Filter...] button in Movie Settings window.
- 14. Filter settings window will appear. Choose 'None' and click [OK] button.

| None | |
|---------------------------------------|-----------|
| Adjustments | |
| ▶ Blur | |
| ► Filters | |
| Snarpen | |
| P Special Lifects | |
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| | |
| Load Save | Cancel OK |

- 15. Click [Size...] button in Movie Settings window.
- 16. The Export Size Settings window will appear. Adjust settings as shown below and click [OK] button.

| Export Size Settings | | | | | | |
|----------------------|------------------------------|----------------------------|----|--|--|--|
| Dimensions: | NTSC 720 x 480 4:3 | | | | | |
| | Preserve aspect ratio using: | Letterbox (if required) | Å. | | | |
| | Deinterlace Source Video | (in required) | | | | |
| | | Cancel | OK | | | |

NB: Choose either 'NTSC 720x480 4:3' or 'PAL 720x576 4:3' according to your region.

17. Export the file and burn DVD using exported file in iDVD.



To edit the movie file captured by the ADVCmini within Final Cut Pro, adjust Final Cut Pro settings as below:

1. Import the captured file into the Bin.

| _ | Bro | wser: Untitled | Project 1 | | | | |
|------------------------------|---------------|--|---|---|---|---|--|
| 👚 Untitled Project 1 Effects | | | | | | 0 | |
| ▼ D | Duration | In | Out | Media Start | Media End | Tracks | Good |
| 0 | 0:00:30:00 | Not Set | Not Set | 00:00:00:00 | 00:00:29:24 | 1V, 2A | |
| 0 | 0:00:00;00 | Not Set | Not Set | 01:00:00;00 | 01:00:00;00 | 1V, 4A | |
| | | | | | | | |
| | ▼ [0 0 | ▼ Duration 00:00:30:00 00:00:00;00 | ■ Duration In 00:00:30:00 Not Set 00:00:00;00 00:00:00;00 Not Set | Duration In Out 00:00:30:00 Not Set Not Set 00:00:00;00 Not Set Not Set | Image: Vertical and the state of | ▼ Duration In Out Media Start Media End 00:00:00:00 Not Set Not Set 00:00:00:00 00:00:29:24 00:00:00;00 Not Set Not Set 01:00:00;00 01:00:00;00 | ▼ Duration In Out Media Start Media End Tracks 00:00:30:00 Not Set Not Set 00:00:00:00 00:00:29:24 1V, 2A 00:00:00;00 Not Set Not Set 01:00:00;00 01:00:00;00 1V, 4A |

2. Choose a registered file and choose [Item Properties] > [Format] from context menu.

| 000 | Browser: L | Intitled Project 1 | _ | | |
|-------------------|---|--------------------|----|--|----|
| Huntitled Project | t 1 Effects | | | | |
| Na Na | me 🔻 | Duration | In | Out | M |
| ADVCmin | Open in Viewer Open in New Viewer Open in Editor Reveal in Finder | | t | Not Set Not Set | 00 |
| | Batch Capture Reconnect Media Media Manager Make Offline Duplicate as New Mas Reveal Affiliated Clips Merge Clips | uence | | | |
| | Make Multiclip Make Multiclip Seque | | | | |
| | Share Export Send To Batch Export | | * | | |
| | Cut Copy | | | | |
| | Clip Settings | | - | | |
| 000 | Item Properties Label Rename | | | Format Timing Logging Info Film | |



3. Choose "Field Dominance" and choose 'Upper (odd)' from context menu.

NB: If this is not done, the movie might be exported with inverted fields.



OTHER ISSUES

Audio and video out of sync

Description

ADVCmini automatically switches video format (NTSC or PAL) according to the input signal. If no audio and video is input when starting the ADVC application, the format might be incorrect and audio and video might become unsynchronized when played back in the preview window or as a captured file.

Workaround

Connect audio and video cable before starting the ADVC application. Also, if you experienced this problem in the preview window, quit the application and restart it.

Video capture unexpectedly stops

Description

An error is displayed and capturing is unexpectedly stopped. ADVCmini automatically switches video format (NTSC or PAL) according to the input signal. However, if the input signal is noisy, the application thinks that the input format has changed and stops recording to change format.

Workaround

Please check the following:

- 1) Adjust the video tracking on your VCR.
- 2) If there is any blank (non-recorded time) on your tape, go to the beginning of the tape.
- 3) Clean your VCR head.

If the problem still remains, try using an audio and video stabilizer between the ADVC and the VCR.