

DVCPRO HD AJ-HD1200AP (NTSC) System settings with Apple Final Cut Pro HD 4.5

Confirmed system

Power Mac G5 : Dual 2GHz, 1024MB memory, Mac OS X 10.3.4,
QuickTime6.5.1 Final Cut Pro HD 4.5

***Please use the latest version of Final Cut Pro HD.**

[>>Click here to jump to download site for DVCPROHD Components 1.1](#)

***It is necessary to change the Final Cut Pro HD settings according to the format and down-conversion mode for a DVCPRO HD tape played in the AJ-HD1200A, or a DV tape, DVCPRO tape, or DVCPRO50 tape. (See Table 1 below.)**

***The AJ-HD1200A can only record in the DVCPRO HD format. It cannot record using SD formats such as DVCPRO50, DVCPRO, or DV.**

***When performing 1394 input on the AJ-HD1200A of output from Final Cut Pro HD 4.5, vertical sync disturbance may appear in the EE output from the AJ-HD1200A (SDI or analog) when viewed on a monitor. However, there is no adverse effect on the signal recorded on the tape.**

***To capture tapes recorded with the AJ-HDC27F Varicam at 720p24 over 60p or 720p30 over 60p, select DVCPRO HD - 720p24 or DVCPRO HD - 720p30, respectively, from the Easy Setup menu in Final Cut Pro HD. This will cause only the necessary frames to be captured automatically. Verify the following settings.**

(1)Select (activate) the check boxes for the following items.

Audio/Video Settings > Capture Presets > Remove Advanced Pulldown and/or Duplicate Frames During Capture from FireWire Sources

(2)Audio/Video Settings > Capture Presets > QuickTime Video Settings > FPS: 59.94

***For 24-frame recording using the AG-DVX100P or AJ-SDX900P, use the 24PA (advance) mode. This will allow 24-frame capture by Final Cut Pro HD while retaining high picture quality.**

To capture video from tapes recorded in the 24PA mode, make the following settings in Final Cut Pro HD.

(1)Select (activate) the check boxes for the following items.

Audio/Video Settings > Capture Presets >

Remove Advanced Pulldown and/or Duplicate Frames During Capture from FireWire Sources

(2)Audio/Video Settings > Capture Presets > QuickTime Video Settings > FPS:
29.97

Settings for each format AJ-HD1200A and Final Cut Pro HD 4.5 (Table 1)

	AJ-HD1200A			Final Cut Pro			
Use tape format >> 1394 output format	Menu items			Menu items			
	020 SYS FORMAT	022 PB FORMAT	023 FORMAT SEL	894 HD- >DIF OUT	895 50M- >DIF OUT	896 25M- >DIF OUT	Easy Setup
720 p 59 >> 720 p 59	720p	AUTO or MANUAL	HD_LP or HD_SP	HD	50M or DV	25M or DV	DVCPRO HD - 720p60
1080 i 59 >> 1080 i 59	1080i	AUTO or MANUAL	HD_LP or HD_SP	HD	50M or DV	25M or DV	DVCPRO HD - 1080i60
720 p 59 >> DVCPRO50 NTSC	720p	MANUAL	HD_LP or HD_SP	50M	50M or DV	25M or DV	DV50 - NTSC
720 p 59 >> DV NTSC	720p	MANUAL	HD_LP or HD_SP	DV	50M or DV	25M or DV	DV - NTSC
1080 i 59 >> DVCPRO50 NTSC	1080i	MANUAL	HD_LP or HD_SP	50M	50M or DV	25M or DV	DV50 - NTSC
1080 i 59 >> DV NTSC	1080i	MANUAL	HD_LP or HD_SP	DV	50M or DV	25M or DV	DV - NTSC
DVCPRO50 NTSC >> DVCPRO50 NTSC	720p or 1080i	MANUAL	422	HD or 50M or DV	50M	25M or DV	DV50 - NTSC
DVCPRO50 NTSC >> DV NTSC	720p or 1080i	MANUAL	422	HD or 50M or DV	DV	25M or DV	DV - NTSC
DVCPRO NTSC >> DVCPRO NTSC	720p or 1080i	MANUAL	411	HD or 50M or DV	50M or DV	25M	DV - NTSC

DVCPRO NTSC >> DV NTSC	720p or 1080i	MANUAL 411	HD or 50M 50M or or DV DV	DV	DV - NTSC
DV NTSC >> DV NTSC	720p or 1080i	MANUAL DV	HD or 50M 50M or or DV DV	25M or DV	DV - NTSC
DVCPRO50 PAL >> DVCPRO50 PAL	720p or 1080i	MANUAL 422	HD or 50M 50M or DV	25M or DV	DV50 - PAL
DVCPRO50 PAL >> DV PAL	720p or 1080i	MANUAL 422	HD or 50M DV or DV	25M or DV	DV - PAL
DVCPRO PAL >> DVCPRO PAL	720p or 1080i	MANUAL 411	HD or 50M 50M or or DV DV	25M	DVCPRO - PAL
DVCPRO PAL >> DV PAL	720p or 1080i	MANUAL 411	HD or 50M 50M or or DV DV	DV	DV - PAL
DV PAL >> DV PAL	720p or 1080i	MANUAL DV	HD or 50M 50M or or DV DV	25M or DV	DV - PAL

*Playback Offset : +00:00:00:05

(This setting is a guide only. Make the setting as necessary for the system you are using.)

Panel switch settings

Switch	Position
TAPE / EE	EE
LOCAL / MENU / REMOTE	REMOTE

Menu settings

Menu number	Menu name	Setting
25	SYSTEM FREQ	59/60
030	HD FREQUENCY	59/23
031	OUT REF	AUTO
101	SHTL MAX	X16
102	FF.REW MAX	X50
503	TCG MODE	AUTO

504	RUN MODE	REC
505	TCG REGEN	TC & UB
600	VIDEO IN SEL	1394
880	DIF SPEED	S400
882	DIF IN CH	AUTO
883	DIF OUT CH	AUTO
886	DIF CONFIG	DFLT
891	DIF DV AUDIO	THRU

Shaded items are necessary.