

Panasonic Broadcast

AJ-HD1800p Menu Information

System menus

No./Item	Description of setting
05 ENCODER SEL	<p>For setting whether to perform the various adjustments for the video output signals using this VTR or using an external encoder remote controller.</p> <p><u>0000</u> <u>REMOTE</u> The various adjustments for the video output signals are performed by an external encoder remote controller.</p> <p><u>0001</u> <u>LOCAL</u> The various adjustments for the video output signals are performed using this VTR.</p> <p><u>0002</u> <u>BOTH</u> The various adjustments for the video output signals are performed using both this VTR and an external encoder remote controller.</p> <p><Notes></p> <ul style="list-style-type: none"> When an adjustment is made with the external encoder remote controller, the new values are reflected in the appropriate section of the Setup Menu. The adjusted values are stored on the unit approximately 5 seconds after making the adjustment. To turn off the power after making the adjustment with the external encoder remote controller, wait approximately 5 seconds or more after completion of the operation before turning the power off. For the IEEE 1394 digital output, settings are disabled in this menu.
06 V LEVEL CTRL	<p>For selecting what is to be controlled when the video output level is to be adjusted by an external encoder remote controller.</p> <p><u>0000</u> <u>HD</u> The HD video output level can be adjusted.</p> <p><u>0001</u> <u>SD</u> The SD video output level can be adjusted.</p> <p><u>0002</u> <u>BOTH</u> Both the HD and SD video output levels can be adjusted.</p> <p><Note> When [CMPST] is selected in Setup Menu No. 650 (STYLE), [BOTH] is selected by default regardless of the settings for this item.</p>

The underlining () denotes the factory setting mode.

Video output signal adjustments

The control matrix for the adjustments is shown in the table below.

Setting		Adjustment item	
05: ENCODER SEL	06: V LEVEL CTRL	653: Y LVL (HD)	658: Y LVL (SD)
		654: Pb LVL (HD)	659: Pb LVL (SD)
		655: Pr LVL (HD)	660: Pr VL (SD)
		656: BK LVL (HD)	661: BK LVL (SD)
REMOTE	HD	External encoder remote controller	No adjustments possible
	SD	No adjustments possible	External encoder remote controller
	BOTH	External encoder remote controller	External encoder remote controller
LOCAL	HD	This unit	This unit
	SD		
	BOTH		
BOTH	HD	External encoder remote controller/ this unit	This unit
	SD	This unit	External encoder remote controller/ this unit
	BOTH	External encoder remote controller/ This unit	External encoder remote controller/ this unit

External encoder remote controller:

Only adjustments of the external encoder remote controller are performed.

This unit :

Only adjustments of the setup menu items are performed.

External encoder remote controller/this unit :

Adjustments can be performed from both the external encoder remote controller and setup menus.

<Note>

Use the AJ-ER50, an optional accessory, as the external encoder remote controller. However, its VIDEO PHASE and SYNC PHASE controls will not work.

When "CMPST" has been selected as the setup menu item No.650 (STYLE) setting

Setting		Adjustment item
05: ENCODER SEL	06: V LEVEL CTRL	662: V LEVEL
		663: C LEVEL
		664: HUE 665: SETUP LVL
REMOTE	HD	External encoder remote controller
	SD	
	BOTH	
LOCAL	HD	This unit
	SD	
	BOTH	
BOTH	HD	External encoder remote controller/This unit
	SD	
	BOTH	

External encoder remote controller:

Only adjustments of the external encoder remote controller are performed.

This unit:

Only adjustments of the setup menu items are performed.

External encoder remote controller/This unit:

Adjustments can be performed from both the external encoder remote controller and setup menus.

<Note>

Use the MT-2000 (manufactured by Musashi and recommended by Panasonic) as the external encoder remote controller. However, its VIDEO PHASE, SYNC PHASE and SC PHASE controls will not work.

System menus (continued)

No./Item	Description of setting																								
12 SYS H (HD) ^{UP}	<p>For adjusting the HD SDI output system phase in 13.5nS steps. -: To advance the phase. +: To delay the phase.</p> <table border="1"> <tr> <td><59/60Hz></td> <td><23/24Hz></td> <td><50Hz></td> </tr> <tr> <td></td> <td></td> <td><25Hz(HD,SD)></td> </tr> <tr> <td></td> <td></td> <td><50Hz(HD,SD)></td> </tr> <tr> <td>0000 -2200</td> <td>0000 -2750</td> <td>0000 -2640</td> </tr> <tr> <td>: :</td> <td>: :</td> <td>: :</td> </tr> <tr> <td><u>2200</u> 0</td> <td><u>2750</u> 0</td> <td><u>2640</u> 0</td> </tr> <tr> <td>: :</td> <td>: :</td> <td>: :</td> </tr> <tr> <td>4400 2200</td> <td>5500 2750</td> <td>5280 2640</td> </tr> </table>	<59/60Hz>	<23/24Hz>	<50Hz>			<25Hz(HD,SD)>			<50Hz(HD,SD)>	0000 -2200	0000 -2750	0000 -2640	: :	: :	: :	<u>2200</u> 0	<u>2750</u> 0	<u>2640</u> 0	: :	: :	: :	4400 2200	5500 2750	5280 2640
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14 SYS SC (SD) ^{DW}	<p>For adjusting the system phase of the analog composite output and the SD SDI output Variable range: +/- 180 degrees or more -: Advance, +: Delay</p> <table border="1"> <tr> <td><59/60Hz></td> <td><50Hz></td> </tr> <tr> <td><23/24Hz></td> <td><25Hz(HD,SD)></td> </tr> <tr> <td></td> <td><50Hz(HD,SD)></td> </tr> <tr> <td>0000 -108</td> <td>0000 -115</td> </tr> <tr> <td>: :</td> <td>: :</td> </tr> <tr> <td><u>0108</u> 0</td> <td><u>0115</u> 0</td> </tr> <tr> <td>: :</td> <td>: :</td> </tr> <tr> <td>0216 108</td> <td>0230 115</td> </tr> </table> <p><Note> This is disabled for 60 Hz/24 Hz.</p>	<59/60Hz>	<50Hz>	<23/24Hz>	<25Hz(HD,SD)>		<50Hz(HD,SD)>	0000 -108	0000 -115	: :	: :	<u>0108</u> 0	<u>0115</u> 0	: :	: :	0216 108	0230 115								
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15 VO SYS H (SD) ^{DW}	<p>For adjusting the system phase of the analog composite output 37nS step -: Advance, +: Delay</p> <table border="1"> <tr> <td><59/60Hz,></td> <td><50Hz></td> </tr> <tr> <td><23/24Hz></td> <td><25Hz(HD,SD)></td> </tr> <tr> <td></td> <td><50Hz(HD,SD)></td> </tr> <tr> <td>0000 -1716</td> <td>0000 -1728</td> </tr> <tr> <td>: :</td> <td>: :</td> </tr> <tr> <td><u>1716</u> 0</td> <td><u>1728</u> 0</td> </tr> <tr> <td>: :</td> <td>: :</td> </tr> <tr> <td>3432 1716</td> <td>3456 1728</td> </tr> </table>	<59/60Hz,>	<50Hz>	<23/24Hz>	<25Hz(HD,SD)>		<50Hz(HD,SD)>	0000 -1716	0000 -1728	: :	: :	<u>1716</u> 0	<u>1728</u> 0	: :	: :	3432 1716	3456 1728								
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16 SD SYS H (SD) ^{DW}	<p>For adjusting the system phase of the SD SDI output 37nS step -: Advance, +: Delay</p> <table border="1"> <tr> <td><59/60Hz,></td> <td><50Hz></td> </tr> <tr> <td><23/24Hz></td> <td><25Hz(HD,SD)></td> </tr> <tr> <td></td> <td><50Hz(HD,SD)></td> </tr> <tr> <td>0000 -1716</td> <td>0000 -1728</td> </tr> <tr> <td>: :</td> <td>: :</td> </tr> <tr> <td><u>1716</u> 0</td> <td><u>1728</u> 0</td> </tr> <tr> <td>: :</td> <td>: :</td> </tr> <tr> <td>3432 1716</td> <td>3456 1728</td> </tr> </table>	<59/60Hz,>	<50Hz>	<23/24Hz>	<25Hz(HD,SD)>		<50Hz(HD,SD)>	0000 -1716	0000 -1728	: :	: :	<u>1716</u> 0	<u>1728</u> 0	: :	: :	3432 1716	3456 1728								
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The underlining () denotes the factory setting mode.

*UP: This is for HD outputs (during HD tape playback or up-conversion outputs).

*DW: This is for SD outputs (during SD tape playback or down-conversion outputs).

No./Item	Description of setting										
18 SCH (SD) ^{DW}	<p>For adjusting the SCH (Sub Carrier to Horizontal) phase of the analog composite output Press [SHIFT] to move to the sub menu window. To return from the sub menu window, press [SHIFT] again.</p>										
Submenu screen											
00 COARSE	<p>For adjusting the SCH phase in 90° steps (The SC phase changes, and the H phase remains unchanged.)</p> <table> <tr> <td>0000</td> <td>0</td> </tr> <tr> <td>0001:</td> <td>90</td> </tr> <tr> <td>0002:</td> <td>180</td> </tr> <tr> <td>0003:</td> <td>270</td> </tr> </table>	0000	0	0001:	90	0002:	180	0003:	270		
0000	0										
0001:	90										
0002:	180										
0003:	270										
01 FINE	<p>For adjusting the SCH phase over a total variable range of more than ±45°. -: To advance the phase. +: To delay the phase. (The SC phase changes, and the H phase remains unchanged.)</p> <table> <tr> <td>0000</td> <td>-32</td> </tr> <tr> <td>:</td> <td>:</td> </tr> <tr> <td><u>0032</u></td> <td>0</td> </tr> <tr> <td>:</td> <td>:</td> </tr> <tr> <td>0064</td> <td>32</td> </tr> </table>	0000	-32	:	:	<u>0032</u>	0	:	:	0064	32
0000	-32										
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<u>0032</u>	0										
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0064	32										

System menus (continued)

No./Item	Description of setting
20 AV PHASE	<p>For adjusting the phase of the AUDIO output with the VIDEO output 20.8 microsecond steps</p> <p>– : The phase of audio output advances with respect to image output. + : The phase of audio output delays with respect to image output.</p> <p>0000 -100 : : 0100 0 : : 0200 100</p>
25 SYSTEM FREQ* ¹	<p>For selecting the system frequency.</p> <p>0000 <u>59/60</u> The 59.94 Hz or 60 Hz system frequency is selected.</p> <p>0001 <u>50i/25P</u>² The 50 Hz or 25 PsF system frequency is selected. At this setting, the 1080/25 PsF format signals can be recorded and played back in the same way as with the 1080/50i format.</p> <p>0002 <u>23/24</u> The 23.98 Hz or 24 Hz system frequency is selected.</p> <p>0003 <u>25(HD)</u> The 25 Hz system frequency is selected. However, SD SDI output and analog composite output are delayed with respect to HD SDI output by about one field.</p> <p>0004 <u>25(SD)</u> The 25 Hz system frequency is selected. However, the black signal is output from HD SDI output.</p> <p>0005 <u>50(HD)</u> The 50 Hz system frequency is selected. However, SD SDI output and analog composite output are delayed with respect to HD SDI output by about one field.</p> <p>0006 <u>50(SD)</u> The 50 Hz system frequency is selected. However, the black signal is output from HD SDI output.</p> <p>59/60Hz mode A state selecting 0 (59/60) 50Hz mode A state selecting 1 (50i/25P) 23/24Hz mode A state selecting 2 (23/24) 25Hz(HD) mode A state selecting 3 (25 (HD)) 25Hz(SD) mode A state selecting 4 (25 (SD)) 50Hz(HD) mode A state selecting 5 (50 (HD)) 50Hz(SD) mode A state selecting 6 (50 (SD))</p> <p><Note> For the procedure to shift the system frequency, refer to page 112.</p> <p>*²The asterisk denotes the factory setting for AJ-HD1800E.</p>

No./Item	Description of setting
26 HD SYS H ADV	<p>For selecting the output whose HD output phase is to be advanced by 90H in relation to the SD output.</p> <p>0000 <u>0H</u> Both the HD and SD signals are output in phase with the HD and SD REF output signals.</p> <p>0001 <u>90H</u> The HD signals are output at a phase advanced by 90H from the SD output signals. When the SD REF signal is input, the REF input and SD output are in-phase, and when the HD REF signal is input, the REF input and HD output are inphase.</p> <p><Notes> ● The audio signals and TC signal are output in phase with the HD output. ● With the 720p format, there is a phase difference of 120H between them.</p>
30 MENU LOCK	<p>For selecting whether to set or release the system file lock mode.</p> <p>0000 <u>OFF</u> Lock released (changes enabled)</p> <p>0001 <u>ON</u> Lock set (changes prohibited)</p> <p><Notes> Even if [ON] is selected, the file is overwritten when the system file is retrieved from an SD memory card.</p>

*¹System switching

- Some of the system menu and setup menu items each have different settings for different operation modes [59/60 Hz, 50 Hz, 23/24 Hz, 25 Hz (HD or SD) and 50 Hz (HD or SD)]. These settings are saved separately.
(This concerns those items whose settings were described for each operation mode on the system menu and setup menu tables.)
- For further details, refer to <Menu management accompanying switching the system frequency> on page 113.
- **Since this VTR becomes a playback-only unit when the 23/24 Hz, 25 Hz (HD or SD) or 50 Hz (HD or SD) mode has been selected, the functions relating to EE, recording and editing are all set to the inhibited status. Neither is it possible to select CTL in such a case. (The related menus and function buttons are not displayed, and operation is prohibited.)**
For the instant when the tape begins to run at the 1× speed such as when it starts playing from the STOP status, the image is disrupted and the sound is muted for several frames because the tape is being synchronized with the REF input.

The underlining () denotes the factory setting mode.

Setup menus

<BASIC>

No./Item	Description of setting
000 P-ROLL TIME	<p>For setting the preroll time. Any time from 0 to 30 seconds can be set in 1-second increments.</p> <p>0000 0s : : 0005 5s : : 0030 30s</p> <p><Notes></p> <ul style="list-style-type: none"> ● During automatic editing (PREVIEW or AUTO EDIT), no operations are performed if the preroll time is set to 0 seconds. ● If the phases are to be synchronized between two decks for editing as per the setup menu item No.004 (SYNCHRONIZE) setting, set the preroll time to at least 2 seconds.
001 LOCAL ENA	<p>For selecting the transport system buttons which can be operated on the front panel in the REMOTE mode.</p> <p>0000 DIS No buttons can be operated.</p> <p>0001 <u>ST&EJ</u> Only the STOP and EJECT buttons can be operated.</p> <p>0002 ENA If the buttons except for the RECORDER and PLAYER buttons can be operated.</p> <p><Note> The following buttons and dials function at all times regardless of this setting: Audio input/output level control dials, audio channel selector buttons, number keys, function buttons, direct menu button, ASSEM button, INSERT button, ADJ dial, headphone volume control dial, MONITOR SELECT button, METER (FULL/FINE) selector switch, REMOTE button.</p>
002 ^{*1} TAPE TIMER	<p>For selecting the 12- or 24-hour system for the CTL counter display.</p> <p>0000 <u>±12h</u> 12-hour system display</p> <p>0001 24h 24-hour system display</p>
003 REMAIN SEL	<p>For selecting whether or not to display REMAIN (remaining tape time) on the superimposed display of the HD SDI MONITOR, SD SDI MONITOR and VIDEO OUT3 connectors.</p> <p>0000 OFF The remaining tape time is not displayed.</p> <p>0001 <u>2L</u> The remaining tape time is displayed on the second line.</p> <p>0002 1L The remaining tape time is displayed on the first line.</p> <p>0003 R/TTL The remaining tape time is displayed on the first line, and the total tape time is displayed on the second line.</p> <p><Notes></p> <ul style="list-style-type: none"> ● When setting 1 (2L) has been selected, the remaining tape time is not displayed if 0 (TIME) is selected as the setup menu item No.006 (DISPLAY SEL) setting. ● When setting 3 (R/TTL) has been selected, the remaining tape time is not displayed if 0 (TIME) is selected as the setup menu item No.006 (DISPLAY SEL) setting.

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

*The underlining () denotes the factory setting mode.

No./Item	Description of setting
004 ^{*1} SYNCHRONIZE	<p>For setting whether or not to synchronize the phases between two decks.</p> <p>0000 OFF The phases are not synchronized. The edit points will be off by several frames but editing will be commenced more promptly.</p> <p>0001 <u>ON</u> The phases are synchronized. Error-free editing can be performed.</p>
005 SUPER	<p>For selecting whether or not to superimpose the display of the time code or other data onto the HD SDI MONITOR, SD SDI MONITOR and VIDEO OUT3 connectors.</p> <p>0000 OFF The time code or other data is not displayed.</p> <p>0001 <u>ON</u> The time code or other data is displayed.</p> <p><Note></p> <ul style="list-style-type: none"> ● The 1394 output follows the settings in Setup Menu No. 899 (DIF SUPER). ● When the 23/24 Hz mode, 25 Hz (HD) mode, or 50 Hz (HD) mode is selected in System Menu No. 25 (SYSTEM FREQ), supers, such as time codes, are not displayed on the SD SDI MONITOR/VIDEO OUT 3 connector. When the 25 Hz (SD) mode or 50 Hz (SD) mode is selected, supers, such as time codes, are not displayed on the HD SDI MONITOR connector.
006 DISPLAY SEL	<p>For selecting the time code and other displays to be superimposed onto the HD SDI MONITOR, SD SDI MONITOR and VIDEO OUT3 connectors. In the following descriptions, [DATA] refers to the values for CTL/TC/UB selected in [F3] (TC/CTL).</p> <p>0000 TIME Only data are displayed.</p> <p>0001 <u>T&STA</u> Data and operating conditions are displayed.</p> <p>0002 T&S&M Data, operating conditions, and the mode are displayed</p> <p>0003 T&RT Data and REC TIME are displayed.</p> <p>0004 T&YMD Data and REC DATE (Year/Month/Day) are displayed.</p> <p>0005 T&MDY Data and REC DATE (Month/ Day/Year) are displayed.</p> <p>0006 T&DMY Data and REC DATE (Day/Month/Year) are displayed.</p> <p>0007 T&UB Data and user bits are displayed. However, when UB is selected in [F3] (TC/CTL) of the HOME menu, the time code is displayed immediately after user bits.</p> <p>0008 T&CTL Data and CTL are displayed. However, when CTL is selected in [F3] (TC/CTL) of the HOME menu, the time code is displayed immediately after CTL data.</p> <p>0009 T&T Data and the time code are displayed.</p> <p><Notes></p> <ul style="list-style-type: none"> ● When setting 2 (T&S&M) is selected, an error message appears if a warning or error has occurred. ● REC TIME and REC DATE are displayed only during DV or DVCAM format playback. The operation mode is displayed when the DVCPRO HD-LP, DVCPRO HD, DVCPRO50 or DVCPRO format is used.

Setup menus (continued)

<BASIC> (continued)

No./Item	Description of setting
007 CHARA H-POS	<p>For setting the character position in the horizontal direction for superimposed indications, such as time codes for HD SDI MONITOR/SD SDI MONITOR/VIDEO OUT3 connectors and superimposed indications from the IEEE 1394 digital interface.</p> <p>0000 0 : : <u>0006</u> 6 : : 0037 37</p> <p><Note> When this menu item has been set, the displays are output to the HD SDI MONITOR, SD SDI MONITOR and VIDEO OUT3 connectors in the DISPLAY SEL status even when the SUPER OFF setting is established. However, if the menu has been exited, the SUPER OFF or ON setting is followed. Furthermore, CHARA TYPE is output as per the menu setting.</p>
008 CHARA V-POS	<p>For setting the character position in the vertical direction for superimposed indications, such as time codes for HD SDI MONITOR/SD SDI MONITOR/VIDEO OUT3 connectors and superimposed indications from the IEEE 1394 digital interface.</p> <p>0000 0 : : <u>0023</u> 23 : : 0032 32</p> <p><Note> When this menu item has been set, the displays are output to the HD SDI MONITOR, SD SDI MONITOR and VIDEO OUT3 connectors in the DISPLAY SEL status even when the SUPER OFF setting is established. However, if the menu has been exited, the SUPER OFF or ON setting is followed. Furthermore, CHARA TYPE is output as per the menu setting.</p>
009 CHARA TYPE	<p>For setting the display type for the superimposed displays and for the HD SDI MONITOR, SD SDI MONITOR and VIDEO OUT3 connectors and superimposed indications from the IEEE 1394 digital interface as well as for the SETUP MENU, etc.</p> <p><u>0000</u> <u>WHITE</u> White characters on a black background. 0001 <u>W/OUT</u> White characters with black borders. <Note> CHARA TYPE is output as per the menu setting.</p>
010 ^{*1} MONI CONTROL	<p>For setting whether to forcibly set the recorder to the EE mode and output the player's playback signals to the monitor if the PLAYER button on the recorder is pressed when the monitor is connected only to the recorder during deck-to-deck editing.</p> <p>0000 <u>MANU</u> The recorder is not forcibly set to the EE mode. 0001 <u>AUTO</u> The recorder is forcibly set to the EE mode, and the player's playback signals are output.</p>

No./Item	Description of setting
011 CU-ROLL TIME	<p>For setting the preroll time in the MULTI CUE mode. Any time from 0 to 15 seconds can be set in 1-second increments.</p> <p><u>0000</u> <u>0s</u> : : 0005 5s : : 0015 15s</p>
015 AUTO STEP	<p>For selecting the save processing to be conducted when the memory capacity, which enables up to 99 warning messages to be saved, has been exceeded while the error log function is operating.</p> <p><u>0000</u> <u>OFF</u> 99 messages are set as the upper limit, and any more warning messages which subsequently occur are not saved in the memory. 0001 <u>ON</u> 99 messages are saved, and the next warning message that has subsequently occurred is saved as No.99. The warning messages already saved are each shifted down by one number in succession.</p>
020 ^{*1} SYS FORMAT	<p>For selecting the recording and playback formats including HD REF signals</p> <p><u>0000</u> <u>1080i</u> The 1080i format is selected. 0001 <u>720p</u> The 720p format is selected.</p>

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

The underlining () denotes the factory setting mode.

Setup menus (continued)

<BASIC> (continued)

No./Item	Description of setting
022 PB FORMAT	<p>For selecting the format in which the tape is to be played back.</p> <p>0000 MANU The format is determined by the setting selected for setup menu item No.023 (FORMAT SEL).</p> <p>0001 AUTO1 The unit follows the format recorded on the tape. Whenever the format is changed during playback, the playback format switches to others according to the changed format.</p> <p>0001 AUTO2 If the playback format does not change for 1 second or more after the SERVO lamp lights when starting playback, the current playback format is fixed. The fixed playback format is retained as is even if the format recorded on the tape is changed unless the playback mode is released.</p>
023 FORMAT SEL	<p>For selecting the format when "MANUAL" has been selected as the setup menu item No.022 (PB FORMAT) setting. If "AUTO" is selected as the setting, the format when playback starts is selected, and when the tape is played back, the format is automatically detected and matched with the format of the playback tape.</p> <p>0000 HD-LP The DVCPRO HD-LP format is selected, and the setup menu item No.020 (SYS FORMAT) setting is followed.</p> <p>0001 HD-SP The DVCPRO HD format is selected, and the setup menu item No.020 (SYS FORMAT) setting is followed.</p> <p>0002 422 The DVCPRO50 (422) format is selected.</p> <p>0003 411 The DVCPRO (411) format is selected.</p> <p>0005 DV The DV format is selected.</p> <p>0006 DVCAM The DVCAM format is selected.</p>
030 ^{*1} HD FREQUENCY	<p>For setting the field system frequency</p> <p>0000 59/23 The 59.94/23.98 Hz frequency is set.</p> <p>0001 60/24 The 60/24 Hz frequency is set.</p> <p><Notes></p> <ul style="list-style-type: none"> ● The set field frequency is enabled only when there is no input for the OUT REF settings. If there are any corresponding inputs, the field frequency coincides with the field frequency of the input. ● When the HD SDI output is output with 60 Hz/24 Hz, the SD SDI is output as NO SYNC, and the analog composite is output in the White/Black mode (burst off).

No./Item	Description of setting
031 ^{*2} OUT REF	<p>Video output reference</p> <p>0000 AUTO When the HD REF input signal is supplied, it is used as the reference. If it is not supplied but the SD REF input signal is supplied, the SD REF signal serves as the reference instead. If neither the HD REF nor SD REF input signal is supplied, the HD serial signal serves as the reference. If none of the HD REF, SD REF and HD serial signals are supplied, the internal sync signal serves as the reference.</p> <p>0001 INPUT When the serial input signal is supplied, it is used as the reference.</p> <p>0002 HD_REF The signal which is input to the HD REF IN connector is used as the reference.</p> <p>0003 SD_REF The signal which is input to the SD REF IN connector is used as the reference.</p> <p>0004 E-AUTO In edit mode, the state is the same as set in [INPUT]. In modes other than edit mode, the state is the same as set in [AUTO].</p> <p><Note> For details, refer to [Playback reference signal specifications for tape playback] (page 45).</p>

- *1: When the 50 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.
- *2: When the 23/24 Hz mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

*The underlining () denotes the factory setting mode.

Setup menus (continued)

<BASIC> (continued)

Formats in which the tape is played back

022: PB FORMAT	020: SYS FORMAT	023: FORMAT SEL	Playback format	
MANUAL	1080i	HD_LP	DVCPRO HD-LP(1080i)	
		HD_SP	DVCPRO HD(1080i)	
		50M	DVCPRO50(422)	
		25M	DVCPRO(411)	
		DV	DV	
		DVCAM	DVCAM	
		720p	HD_LP	DVCPRO HD-LP(720p)
	HD_SP	DVCPRO HD(720p)		
	50M	DVCPRO50(422)		
	25M	DVCPRO(411)		
	DV	DV		
	DVCAM	DVCAM		
	AUTO	-----	-----	DVCPRO HD-LP(1080i)/ DVCPRO HD(1080i)/ DVCPRO HD-LP(720p)/ DVCPRO HD(720p)/ DVCPRO50(422)/ DVCPRO(411)/ DV/DVCAM, automatic detection

<Notes>

- In the EJECT mode, the format selected by the setup menu item No.020 (SYS FORMAT) setting applies.
- If "AUTO" has been selected as the setup menu item No.022 (PB FORMAT) setting, the setup menu item No.023 (FORMAT SEL) setting is used as the format when the format is not detected (when the tape has just been inserted).

However, when "DV" or "DVCAM" has been selected, the VTR operation will be as if "HD-LP" has been selected.

Setup menus (continued)

<OPERATION>

No./Item	Description of setting
100 SEARCH ENA	<p>For selecting the direct search dial operation.</p> <p><u>0000</u> DIAL Direct search dial operations are performed.</p> <p>0001 KEY Unless the search button is pressed, the mode does not change to the search mode.</p>
101 SHTL MAX	<p>For selecting the maximum speed of shuttle operations.</p> <p>0000 <u>x9.8</u> ×9.8 times normal speed</p> <p>0001 <u>x16</u> ×16 times normal speed</p> <p>0002 <u>x32</u> ×32 times normal speed</p> <p><Note> Depending on the tape format, the actual tape running speed differs slightly from what is indicated by the superimposed display.</p>
102 FF. REW MAX	<p>For setting the maximum speed of fast forward and rewind operations.</p> <p>0000 <u>x16</u> ×16 times normal speed</p> <p>0001 <u>x32</u> ×32 times normal speed</p> <p>0002 <u>x50</u> ×50 times normal speed</p> <p>0003 <u>x60</u> ×60 times normal speed</p> <p>0004 <u>x100</u> ×100 times normal speed</p> <p><Note> The maximum speed is automatically limited to 50× for the DVCPRO HD and DVCPRO50 format and to 32× for the DV and DVCAM formats.</p>
104 REF ALARM	<p>For selecting whether a warning is to be displayed when the REF VIDEO signal has not been connected.</p> <p>0000 OFF A warning is not displayed.</p> <p><u>0001</u> ON A warning is displayed by the blinking STOP lamp.</p>
105 ^{*1} AUTO EE SEL	<p>For selecting the VTR mode which is to be set to the EE mode when "0 (EE)" is selected as the setup menu item No.140 (OUTPUT) setting.</p> <p>0000 <u>S/F/R</u> The EE mode is established when the VTR is in the STOP, FF or REW mode.</p> <p>0001 STOP The EE mode is established when the VTR is in the STOP mode only.</p>

*1: When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

The underlining () denotes the factory setting mode.

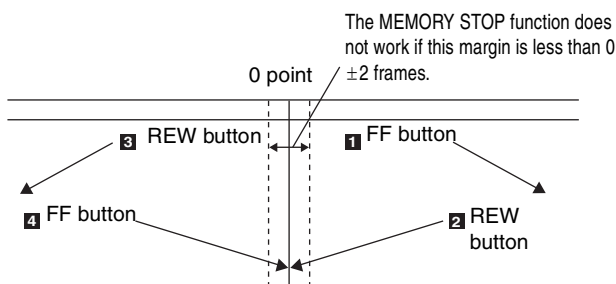
No./Item	Description of setting								
106 EJECT EE SEL	<p>For selecting the video and audio output statuses in the EJECT mode.</p> <p>0000 <u>EE</u> The EE mode is always established regardless of the setup menu item No.140 (OUTPUT) setting.</p> <p>0001 BLACK When setup menu item No.140 (OUTPUT) is set to: "EE": The EE mode is established. "TAPE": The BLACK mode is established for the video signals, and the audio signals are muted.</p> <p>0002 GRAY When setup menu item No.140 (OUTPUT) is set to: "EE": The EE mode is established. "TAPE": The GRAY mode is established for the video signals, and the audio signals are muted.</p> <p><Note> If [EE] is selected when the 23/24 Hz or 25 Hz (HD, SD), 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), images are output in BLACK and voices are muted.</p>								
107 ^{*1} EE MODE SEL	<p>For selecting what signals are to be output when the EE mode is established.</p> <p>0000 <u>NORMAL</u> Signals delayed by an amount equivalent to the time taken for the signals to be processed internally are output.</p> <p>0001 THRU The signals are not processed internally but output in their original form with no delay.</p> <p><Note> When 1394 or INT-SG is selected in the video input, the system operates as "NORMAL" regardless of the settings in this item.</p>								
108 PLAY DELAY	<p>For setting the play startup time in 1-frame increments.</p> <p><u>0000</u> <u>0</u> : : 0015 15</p>								
109 ^{*1} CAP. LOCK	<p>For selecting the field unit for locking the playback framing.</p> <table> <tr> <td><59/60Hz></td> <td><50Hz></td> </tr> <tr> <td><u>0000</u> 2F</td> <td><u>0000</u> 2F</td> </tr> <tr> <td>0001 4F</td> <td>0001 4F</td> </tr> <tr> <td></td> <td>0002 8F</td> </tr> </table>	<59/60Hz>	<50Hz>	<u>0000</u> 2F	<u>0000</u> 2F	0001 4F	0001 4F		0002 8F
<59/60Hz>	<50Hz>								
<u>0000</u> 2F	<u>0000</u> 2F								
0001 4F	0001 4F								
	0002 8F								
110 AUTO REW	<p>For selecting whether the tape is to be automatically wound back to its beginning when the tape-end has been detected.</p> <p>0000 <u>OFF</u> The tape stops when it reaches the tape-end.</p> <p>0001 ON The tape is rewound to its beginning.</p>								

Setup menus (continued)

<OPERATION> (continued)

No./Item	Description of setting
111*1 MEMORY STOP	<p>For selecting whether to automatically stop the VTR when the counter value is at the "0" position during CTL mode FF and REW operations.</p> <p>0000 OFF The VTR does not stop.</p> <p>0001 ON The VTR is automatically stopped.</p> <p><Notes></p> <ul style="list-style-type: none"> Either the stop or still picture (SHTL STILL or SLOW STILL) mode, whichever has been set using setup menu item No.307 (AFTER CUE-UP), is established when the VTR is stopped. If both the AUTO REW function and MEMORY function have been selected at the same time, the AUTO REW operation takes priority.
112 FRZ MODE SEL	<p>For selecting what playback images are to be output in the STANDBY OFF (HALF LOADING) mode and EJECT mode.</p> <p>0000 DIS The video output is muted.</p> <p>0001 STB OFF Only when the STANDBY OFF mode is established is the image which was being played back at that moment frozen and output.</p> <p>0002 SOF&EJ When either the STANDBY OFF mode or the EJECT mode is established, the image which was being played back at that moment is frozen and output.</p> <p><Notes></p> <ul style="list-style-type: none"> The status when the picture is frozen is determined by the setup menu item No.604 (FREEZE SEL) setting. In the EJECT mode, the frozen picture is output only when 1 (BLACK) or 2 (GRAY) has been selected as the setup menu item No.106 (EJECT EE SEL) setting. When the 720/24p over 60p source is used and the 23/24 mode is selected in System Menu item No. 25 (SYSTEM FREQ), playback cannot be frozen in EJECT mode.

Description of MEMORY STOP function



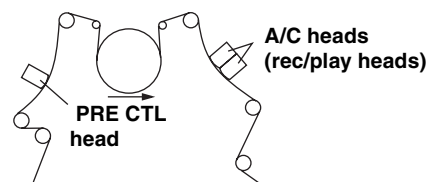
- 1 If the FF button is pressed, the normal FF operation is performed since there is no 0 point in the direction of this operation.
- 2 If the REW button is pressed, the PREROLL lamp lights (as does the SHTL lamp), the VTR prerolls the tape, and it automatically stops when the counter value is at the 0 position.
- 3 If the REW button is pressed, the normal REW operation is performed since there is no 0 point in the direction of this operation.
- 4 If the FF button is pressed, the PREROLL lamp lights (as does the SHTL lamp), the VTR prerolls the tape, and it automatically stops when the counter value is at the 0 position.

*1: When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

No./Item	Description of setting
113*1 REC INH	<p>For selecting whether to allow or inhibit recording on the cassette tape.</p> <p>0000 OFF Recording on the cassette tape is enabled when the cassette's accidental erasure prevention mechanism has been set to the recording enable position.</p> <p>0001 ALL All recording on the cassette tape is inhibited.</p> <p>0002 PRE Overwriting is inhibited during normal recording. This is the setting to activate the accidental erasure prevention function. While CTL is detected, the recording is inhibited, and when CTL cannot be detected, it is executed.</p> <p>0003 NORM Normal recording is inhibited. Use this setting when it is preferable to avoid using normal recording in all applications except for editing.</p> <p>0004 V/CTL The recording of the video and CTL signals is inhibited. Use this setting when it is preferable to avoid editing in all applications except for audio editing.</p> <p><Note> When the PRE, NORM or V/CTL setting has been selected, the REC INHIBIT lamp blinks (on for approx. 0.5 sec. and then off for approx. 0.5 sec.).</p>
114 REC INH LAMP	<p>For selecting whether the REC INHIBIT lamp is to blink or light when the cassette tape has been set to the accidental erasure protection mode.</p> <p>0000 LIGHT The lamp lights.</p> <p>0001 FLASH The lamp blinks.</p> <p><Note> When Setup Menu No. 113 (REC INH) is set to [ALL], the REC INHIBIT LAMP always lights regardless of the setting.</p>
115*1 EJECT SW INH	<p>For selecting whether to enable or disable the operation of the EJECT button on the VTR's front panel.</p> <p>0000 REC Operation is disabled while the VTR is in the recording mode.</p> <p>0001 OFF Operation is enabled in all modes.</p>
116 EJECT LAMP	<p>For selecting whether the EJECT lamp is to remain lighted or go off after the cassette tape has been ejected.</p> <p>0000 MODE1 The EJECT lamp remains lighted.</p> <p>0001 MODE2 The EJECT lamp goes off.</p>

Accidental erasure protection function

This function is used to prevent parts already recorded on a tape from being recorded over. Accidental erasure of pre-recorded tapes is prevented by positioning the CTL signal rec/play heads as shown in the figure below so that whether a recording has been made can be determined by the presence or absence of the CTL signal. When the REC/PLAY button is pressed with a pre-recorded tape, the tape runs but the REC button lamp blinks, the beeping alarm is sounded, and no signals are recorded.



Rough sketch showing CTL head positions

Setup menus (continued)

<OPERATION> (continued)

No./Item	Description of setting
118* ¹ SP MODE INH	<p>For selecting whether to allow or inhibit recording on a tape which has been written by a format other than DVCPRO HD-LP.</p> <p>0000 OFF Recording on the cassette tape is allowed.</p> <p>0001 ON Recording on the cassette tape is inhibited.</p> <p><Note> When [OFF] is selected, the inhibition/permission state for recording to a cassette tape follows Setup Menu No. 113 (REC INH).</p>
119* ¹ CONFI REC	<p>For selecting whether or not to perform simultaneous playback during normal recording.</p> <p>0000 OFF According to the settings in Setup Menu No. 140 (OUTPUT), the simultaneous playback operation during normal recording shifts.</p> <p>EE : EE output TAPE : Simultaneous playback output</p> <p>0001 ON Regardless of the settings in Setup Menu No. 140 (OUTPUT), simultaneous playback is always applied during normal recording.</p>
131 PAGE MODE	<p>For selecting what cue point operation is to be performed when the multi cue function has been set to ON.</p> <p>0000 MANU Operation is confined within the selected page, and 6 cue points can be registered.</p> <p>0001 AUTO When the page whose cue points are being registered becomes full, operation is automatically transferred to the next page, and registration is continued. A total of 60 cue points on up to 10 pages can be registered.</p>
132 ROTA MODE	<p>For selecting whether to perform the registration operation if all the cue points have already been registered when the multi cue function has been set to ON.</p> <p>0000 OFF No further cue points are registered.</p> <p>0001 ON The registration operation is continued. If "MANU" has been selected as the setup menu item No.131 (PAGE MODE) setting, the next cue point is registered at CUE*1 on the page concerned; if "AUTO" has been selected, it is registered at CUE01.</p>
133 KEY BEEP	<p>For setting the volume of the sound heard when the keys are touched.</p> <p>0000 OFF 0001 LOW 0002 HIGH</p>
134 ALARM BEEP	<p>For setting the volume of the alarm tone.</p> <p>0000 OFF 0001 LOW 0002 HIGH</p> <p><Note> If the fan motor has shut down, the alarm tone is sounded at the HIGH volume level regardless of this setting.</p>

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

No./Item	Description of setting
140* ¹ OUTPUT	<p>For selecting the output signals.</p> <p>0000 EE The input signals selected by setup menu items No.600 (VIDEO IN SEL) and No.713 (CH1 IN SEL) to No.724 (D IN SEL 78) are output.</p> <p>0001 TAPE <In the STOP mode> The signals played back from the tape are output. <During recording or editing> The simultaneous playback signals are output.</p> <p><Note> Output signals when recording and editing are selected in Setup Menu No. 119 (CONFI REC) and No. 302 (CONFI EDIT).</p>
141* ¹ VOLUME	<p>For setting what is to be controlled by the audio volume controls on the front panel.</p> <p>0000 REC The controls function as REC volume controls.</p> <p>0001 PB The controls function as PB volume controls.</p> <p>0002 AUTO Normally, the controls function as PB volume controls. However, during recording or in the EE/ INPUT CHECK status, they automatically function as REC volume controls.</p>
142* ¹ AUDIO UNITY	<p>For selecting the conditions under which the AUDIO UNITY lamp on the front panel is to light.</p> <p>0000 IN The lamp lights when all the audio input levels are set to the UNITY level.</p> <p>0001 OUT The lamp lights when all the audio output levels are set to the UNITY level.</p> <p>002 IN/OUT The lamp lights when all the audio input and output levels are set to the UNITY level.</p>
143 CASST LIGHT	<p>For setting whether the lighting of the tape mechanism is to be set to ON or remain OFF.</p> <p>0000 OFF The mechanism does not light even when a cassette is inserted.</p> <p>0001 ON The mechanism lights when a cassette is inserted.</p>
144 TC INPUT	<p>For switching the preset registration method for the time code.</p> <p>0000 NORMAL The time code is input starting with the left-most digit.</p> <p>0001 REV The time code is input from the high-order digit but is displayed from the right-most digit.</p>
145 FRONT LCD	<p>For selecting whether the LCD monitor display on the front panel is to be turned on or off.</p> <p>0000 OFF The display is turned off.</p> <p>0001 ON The display is turned on or off in synchronization with the screen saver operation for the time code display area.</p>
146 SAVER DISP	<p>If the front operation or tape operation is not executed for some while, the time code display switches to the screen saver display. For selecting the screen saver display format.</p> <p>0000 BLACK To the black display</p> <p>0001 LOGO To display [EX] logo animation</p>

Setup menus (continued)

<INTERFACE>

No./Item	Description of setting
200 PARA RUN	<p>For selecting whether to operate two or more VTRs in synchronization.</p> <p><u>0000</u> DIS The VTRs are not operated in synchronization.</p> <p>0001 ENA The VTRs are operated in synchronization.</p> <p><Note> To operate the VTRs in synchronization, set all the VTRs to 1 (ENA). (Refer to page 16.)</p>
202 ID SEL	<p>For setting what ID information is to be returned to the controller.</p> <p>0000 OTHER For setting the ID information of a VTR other than DVCPRO</p> <p><u>0001</u> DVCPRO For setting the ID information of the DVCPRO</p> <p>0002 ORIG Set only for connecting with the Panasonic controller (AG-A850, optional).</p>
204 RS2323C SEL	<p>For selecting whether the RS-232C connector is to function.</p> <p><u>0000</u> OFF The RS-232C connector does not function.</p> <p>0001 ON The RS-232C connector functions.</p>
205 BAUD RATE	<p>For setting the RS-232C data transfer speed (baud rate).</p> <p>0000 300 0001 600 0002 1200 0003 2400 0004 4800 <u>0005</u> 9600</p>
206 DATA LENGTH	<p>For setting the RS-232C data length. (Unit: bits)</p> <p>0000 7 <u>0001</u> 8</p>
207 STOP BIT	<p>For setting the number of RS-232C stop bits. (Unit: bits)</p> <p><u>0000</u> 1 0001 2</p>
208 PARITY	<p>For setting whether the RS-232C parity bit is to be used and, if it is used, whether even or odd parity is to apply.</p> <p><u>0000</u> NON The parity bit is not used.</p> <p>0001 ODD The parity bit is used with an odd parity.</p> <p>0002 EVEN The parity bit is used with an even parity.</p>

No./Item	Description of setting
209 RETURN ACK	<p>For setting whether or not to return the ACK code when a command is received from RS-232C.</p> <p>0000 OFF The ACK code is not returned</p> <p><u>0001</u> ON The ACK code is returned.</p>
212 MASTER PORT	<p>For selecting the remote control connector for controlling the slave machine when this VTR is to be used as the master machine for deck-to-deck operations.</p> <p><u>0000</u> IN/OUT The IN/OUT connector is used.</p> <p>0001 OUT The OUT connector is used.</p> <p><Note> This setting takes effect only when the 9P button has been set to LOCAL (LED off).</p>

The underlining () denotes the factory setting mode.

Setup menus (continued)

<EDIT>

No./Item	Description of setting
300 IN/OUT DEL	<p>For selecting the operation to be performed when an edit point has been set incorrectly (when the OUT point comes before the IN point).</p> <p>0000 MANU Editing is not performed unless the illegal edit point is cleared or set properly.</p> <p>0001 AUTO The edit point which had already been input is cleared automatically.</p>
301 NEGA FLASH	<p>For selecting whether to show a negative display (time code display area) when the IN point is greater than the OUT point.</p> <p>0000 OFF A negative display is not shown.</p> <p>0001 ON A negative display is shown.</p>
302*1 CONFI EDIT	<p>For selecting whether to perform simultaneous playback during editing.</p> <p>0000 OFF Simultaneous playback is not performed.</p> <p>0001 ON Simultaneous playback is performed.</p> <p><Note> Regardless of the settings in Setup Menu No. 140 (OUTPUT), simultaneous playback is always performed during editing.</p>
303*1 AUD EDIT IN	<p>For selecting how to connect the digital audio edit IN points.</p> <p>0000 CUT Cut processing</p> <p>0001 FADE V-fade processing</p>
304*1 AUD EDIT OUT	<p>For selecting how to connect the digital audio edit OUT points.</p> <p>0000 CUT Cut processing</p> <p>0001 FADE V-fade processing</p>
305 AUTO ENTRY	<p>For selecting whether to register the IN points using the PREROLL button in cases where the IN points have not been registered.</p> <p>0000 DIS The IN points are not registered.</p> <p>0001 ENA The IN points are registered</p>
306*1 CF ADJ SEL	<p>For selecting the deck whose the color framing is to be adjusted during deck-to-deck editing.</p> <p>0000 PLAYER The player's IN and OUT points are adjusted (using the recorder as the reference).</p> <p>0001 RECORD The recorder's IN and OUT points are adjusted (using the player as the reference).</p>
307 AFTER CUE-UP	<p>For selecting the VTR's mode upon completion of the cue-up operation.</p> <p>0000 STOP The VTR is set to the STOP mode.</p> <p>0001 STILL The VTR is set to the still picture (SHTL STILL) mode.</p> <p>0002 STILL2 The VTR is set to the still picture (SLOW STILL) mode.</p>

No./Item	Description of setting
308 VAR FWD MAX	<p>For setting the maximum speed of SLOW FWD.</p> <p>0000 +4.9 +4.9 times normal tape speed</p> <p>0001 +2 +2 times normal tape speed (+1.85 times normal tape speed for formats other than DVCPRO HD-LP)</p> <p>0002 +1 +1 times normal tape speed</p> <p><Notes></p> <ul style="list-style-type: none"> At any setting other than 0 (+4.9), phase adjustments cannot be conducted from the editing controller. Depending on the format used, the actual tape running speed differs slightly from what is indicated by the superimposed display.
309 VAR REV MAX	<p>For setting the maximum speed of SLOW REV.</p> <p>0000 -4.9 -4.9 times normal tape speed</p> <p>0001 -2 -2 times normal tape speed (-1.85 times normal tape speed for formats other than DVCPRO HD-LP)</p> <p>0002 -1 -1 times normal tape speed</p> <p><Note> Depending on the format used, the actual tape running speed differs slightly from what is indicated by the superimposed display.</p>
310 JOG FWD MAX	<p>For setting the maximum speed of JOG FWD.</p> <p>0000 +4.9 +4.9 times normal tape speed</p> <p>0001 +2 +2 times normal tape speed (+1.85 times normal tape speed for formats other than DVCPRO HD-LP)</p> <p>0002 +1 +1 times normal tape speed</p> <p><Note> At any setting other than 0 (+4.9), phase adjustments cannot be conducted from the editing controller which performs these adjustments by the JOG command.</p>
311 JOG REV MAX	<p>For setting the maximum speed of JOG REV.</p> <p>0000 -4.9 -4.9 times normal tape speed</p> <p>0001 -2 -2 times normal tape speed (-1.85 times normal tape speed for formats other than DVCPRO HD-LP)</p> <p>0002 -1 -1 times normal tape speed</p>
312*1 POSTROLL TM	<p>For setting the postroll time. Any time from 0 to 5 seconds can be set in 1-second increments.</p> <p>0000 0s</p> <p>0001 1s</p> <p>0002 2s</p> <p>0003 3s</p> <p>0004 4s</p> <p>0005 5s</p>

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

The underlining () denotes the factory setting mode.

Setup menus (continued)

<EDIT> (continued)

No./Item	Description of setting
313 CLICK POINT	<p>When the search dial from intermediate position turning to the right or the left with SLOW mode, the speed in the click point is set.</p> <p><u>0000</u> <u>±1</u> +/- 1 time speed</p> <p>0002 ±1.85 +/- 1.85 time speed (+ 1.85/- 1.5 times speed for format DVCPRO HD-LP)</p>
320 ^{*1} EDIT RPLCE1	<p>For setting the allocation of the channels for the analog audio presets of a controller when a controller without a function to control the edit presets of the digital audio signals is used to edit the digital audio signals of the VTR. The VTR's CH1 edit presets are set to ON or OFF following the analog audio signals specified by the controller.</p> <p>0000 N-DEF Not set.</p> <p><u>0001</u> CH1 The analog CH1 edit presets are followed.</p> <p>0002 CH2 The analog CH2 edit presets are followed.</p> <p>0003 CH1+2 The analog CH1 or CH2 edit presets are followed.</p>
321 ^{*1} EDIT RPLCE2	<p>As with setup menu item No.320, the VTR's CH2 edit presets are set to ON or OFF following the analog audio signals specified by the controller.</p> <p>0000 N-DEF Not set.</p> <p>0001 CH1 The analog CH1 edit presets are followed.</p> <p><u>0002</u> CH2 The analog CH2 edit presets are followed.</p> <p>0003 CH1+2 The analog CH1 or CH2 edit presets are followed.</p>
322 ^{*1} EDIT RPLCE3	<p>As with setup menu item No.320, the VTR's CH3 edit presets are set to ON or OFF following the analog audio signals specified by the controller.</p> <p><u>0000</u> N-DEF Not set.</p> <p>0001 CH1 The analog CH1 edit presets are followed.</p> <p>0002 CH2 The analog CH2 edit presets are followed.</p> <p>0003 CH1+2 The analog CH1 or CH2 edit presets are followed.</p>

No./Item	Description of setting
323 ^{*1} EDIT RPLCE4	<p>As with setup menu item No.320, the VTR's CH4 edit presets are set to ON or OFF following the analog audio signals specified by the controller.</p> <p><u>0000</u> N-DEF Not set.</p> <p>0001 CH1 The analog CH1 edit presets are followed.</p> <p>0002 CH2 The analog CH2 edit presets are followed.</p> <p>0003 CH1+2 The analog CH1 or CH2 edit presets are followed.</p>
324 ^{*1} EDIT RPLCEC	<p>As with setup menu item No.320, the VTR's CUE edit presets are set to ON or OFF following the analog audio signals specified by the editor or controller.</p> <p><u>0000</u> N-DEF Not set.</p> <p>0001 CH1 The analog CH1 edit presets are followed.</p> <p>0002 CH2 The analog CH2 edit presets are followed.</p> <p>0003 CH1+2 The analog CH1 or CH2 edit presets are followed.</p>

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

The underlining () denotes the factory setting mode.

Setup menus (continued)

<TAPE PROTECT>

No./Item	Description of setting
400 STILL TIMER	<p>For selecting the duration of the time taken after the VTR is left standing in the STOP or search STILL mode (JOG, SLOW or SHTL) before the tape protection mode is established. (Units: s = seconds, min = minutes)</p> <p>0000 0.5s 0001 5s 0002 10s 0003 20s 0004 30s 0005 40s 0006 50s 0007 1min <u>0008</u> 2min</p> <p><Note> When a DV or DVCAM tape is used, the time is set to 10 seconds even when a setting of 2 (10s) or longer is selected.</p>
401 SRC PROTECT	<p>When the time set in Setup Menu No. 400 (STILL TIMER) elapses in the Search Still (JOG/SLOW/SHTL) state, the unit automatically returns to the tape protection mode. This is for selecting the types of tape protection mode.</p> <p><u>0000</u> <u>STEP</u> STEP FWD 0001 <u>HALF</u> Half-loading 0002 <u>T-REL</u> Tension release</p> <p><Notes></p> <ul style="list-style-type: none"> ● When STEP FWD is selected, the VTR is automatically transferred to the standby OFF (half-loading) mode after it has been left standing in the STILL status for a total of 30 minutes (or 1 minute in the case of a DV or DVCAM tape). ● When, after tension release has been selected and the VTR has been transferred to the tension release mode, the VTR has been left standing in this mode for a total of 2 hours, it is automatically transferred to the standby OFF (half-loading) mode. However, in the case of a DV or DVCAM tape, the transfer to the tension release mode is inhibited, and the VTR operates as if STEP FWD has been selected. ● For an unused tape (except for a DV/DVCAM tape), the mode forcibly moves to the tension release mode 0.5 seconds after the STILL state.
402 DRUM STDBY	<p>For selecting whether the drum is to operate in the standby OFF (half-loading) mode.</p> <p>0000 OFF The drum stops rotating. <u>0001</u> <u>ON</u> The drum continues to rotate.</p>

<Precaution for STILL TIMER item setting>

The cumulative total standby time passed in the same location increases at such times when the same material is repeatedly used as is the case when programs are transmitted, for example.

To protect the tape, it is recommended to set the standby time at the same position as short as possible.

No./Item	Description of setting
403 STOP PROTECT	<p>When the time set in Setup Menu No. 400 (STILL TIMER) elapses in the STOP state, the unit automatically returns to the tape protection mode. This is for selecting the types of tape protection mode.</p> <p>0000 <u>STEP</u> STEP FWD <u>0001</u> <u>HALF</u> Half-loading 0002 <u>T-REL</u> Tension release</p> <p><Notes></p> <ul style="list-style-type: none"> ● When STEP FWD is selected, the VTR is automatically transferred to the standby OFF (half-loading) mode after it has been left standing in the STOP mode for a total of 30 minutes (or 1 minute in the case of a DV or DVCAM tape). ● When, after tension release has been selected and the VTR has been transferred to the tension release mode, the VTR has been left standing in this mode for a total of 2 hours, it is automatically transferred to the standby OFF (half-loading) mode. However, in the case of a DV or DVCAM tape, the transfer to the tension release mode is inhibited, and the VTR operates as if STEP FWD has been selected. ● For an unused tape (except for a DV/DVCAM tape), the mode forcibly moves to the tension release mode 0.5 seconds after the STILL state. ● For the DVCPRO HD-SP, DVCPRO50, or DVCPRO tapes, the mode forcibly moves to the tension release mode 0.5 seconds after the STILL state during the EE mode.

The underlining () denotes the factory setting mode.

Setup menus (continued)

<TIME CODE>

No./Item	Description of setting												
500* ² VITC BLANK	<p>For selecting whether or not to output the VITC signal at the positions selected by setup menu items No.501 (VITC POS-1) and No.502 (VITC POS-2).</p> <p>0000 BLANK The VITC signal is not output.</p> <p>0001 THRU The VITC signal is output.</p> <p><Note> Only the SD output takes effect at this setting.</p>												
501* ² VITC POS-1	<p>For setting the position where the VITC signal is to be inserted.</p> <table border="1"> <thead> <tr> <th><59/60Hz></th> <th><50Hz>, <25Hz(SD)>, <50Hz(SD)></th> </tr> </thead> <tbody> <tr> <td>0000 10L</td> <td>0000 7L</td> </tr> <tr> <td>: :</td> <td>: :</td> </tr> <tr> <td>0006 16L</td> <td>0004 11L</td> </tr> <tr> <td>: :</td> <td>: :</td> </tr> <tr> <td>0010 20L</td> <td>0015 22L</td> </tr> </tbody> </table> <p><Notes> <ul style="list-style-type: none"> The same line as the one selected by the setup menu item No.502 (VITC POS-2) or No.692(UMID POS) cannot be selected. Only the SD output takes effect at this setting. </p>	<59/60Hz>	<50Hz>, <25Hz(SD)>, <50Hz(SD)>	0000 10L	0000 7L	: :	: :	0006 16L	0004 11L	: :	: :	0010 20L	0015 22L
<59/60Hz>	<50Hz>, <25Hz(SD)>, <50Hz(SD)>												
0000 10L	0000 7L												
: :	: :												
0006 16L	0004 11L												
: :	: :												
0010 20L	0015 22L												
502* ² VITC POS-2	<p>For setting the position where the VITC signal is to be inserted.</p> <table border="1"> <thead> <tr> <th><59/60Hz></th> <th><50Hz>, <25Hz(SD)>, <50Hz(SD)></th> </tr> </thead> <tbody> <tr> <td>0000 10L</td> <td>0000 7L</td> </tr> <tr> <td>: :</td> <td>: :</td> </tr> <tr> <td>0008 18L</td> <td>0006 13L</td> </tr> <tr> <td>: :</td> <td>: :</td> </tr> <tr> <td>0010 20L</td> <td>0015 22L</td> </tr> </tbody> </table> <p><Notes> <ul style="list-style-type: none"> The same line as the one selected by the setup menu item No.501 (VITC POS-1) or No.692(UMID POS) cannot be selected. Only the SD output takes effect at this setting. </p>	<59/60Hz>	<50Hz>, <25Hz(SD)>, <50Hz(SD)>	0000 10L	0000 7L	: :	: :	0008 18L	0006 13L	: :	: :	0010 20L	0015 22L
<59/60Hz>	<50Hz>, <25Hz(SD)>, <50Hz(SD)>												
0000 10L	0000 7L												
: :	: :												
0008 18L	0006 13L												
: :	: :												
0010 20L	0015 22L												
503* ¹ TCG MODE	<p>For setting the synchronization of the internal time code generator.</p> <p>0000 REGEN The time code reader is synchronized with the time code which is read from the tape.</p> <p>0001 PRE Presetting is enabled at the operation panel or by the remote controller.</p> <p>0002 AUTO The REGEN and PRE settings are automatically switched in accordance with the operation mode. In the editing mode: REGEN is selected. In all other modes: PRE is selected.</p>												
504* ¹ RUN MODE	<p>For setting when the internal time code generator is to advance depending on the operation mode.</p> <p>0000 REC The time code generator is advanced during recording.</p> <p>0001 FREE The time code generator is advanced while the power is on regardless of which operation mode is established.</p>												

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

*2 When the 23/24 Hz mode, 25 Hz (HD) mode, or 50 Hz (HD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

No./Item	Description of setting															
505* ¹ TCG REGEN	<p>For selecting the regeneration signal when REGEN has been selected as the TCG (time code generator) mode.</p> <p>0000 TC&UB Regeneration applies to both the time code and user bits.</p> <p>0001 TC Regeneration applies only to the time code only.</p> <p>0002 UB Regeneration applies only to the user bits only</p>															
506* ¹ REGEN MODE	<p>For selecting the editing mode range when the VTR is operating in the REGEN mode while performing editing operations with "AUTO" selected as the setup menu item No.503 (TCG MODE) setting.</p> <p>0000 AS&IN Regeneration applies during assemble or insert editing.</p> <p>0001 ASSEM Regeneration applies during assemble editing.</p> <p>0002 INSRT Regeneration applies during insert editing</p>															
507* ¹ TC SOURCE	<p>For selecting the time code to be used when HDSDI or SDDSDI has been selected as the setup menu item No.600 (VIDEO IN SEL) setting when an external time code is to be used.</p> <p>[When HDSDI has been selected]</p> <p>0000 INT The time code of the internal time code generator is used.</p> <p>0001 EXT_L LTC of the TIME CODE IN connector is used.</p> <p>0002 SLTC The LTC information added to the serial signals which are input to HD SDI IN is used.</p> <p>0003 SVITC The VITC information added to the serial signals which are input to HD SDI IN is used.</p> <p>[When SDDSDI has been selected]</p> <p>0000 INT The time code of the internal time code generator is used.</p> <p>0001 EXT_L LTC of the TIME CODE IN connector is used.</p> <p>0002 VITC The VITC information added to the serial signals which are input to SD SDI IN is used.</p> <p><Notes> <ul style="list-style-type: none"> If the VIDEO IN SEL input selection is changed, the time code is converted as shown below. </p> <table border="0"> <tr> <td>[HDSDI]</td> <td>↔</td> <td>[SDDSDI]</td> </tr> <tr> <td>INT</td> <td>↔</td> <td>INT</td> </tr> <tr> <td>EXT_L</td> <td>↔</td> <td>EXT_L</td> </tr> <tr> <td>SLTC</td> <td>↔</td> <td>EXT_L</td> </tr> <tr> <td>SVITC</td> <td>↔</td> <td>VITC</td> </tr> </table> <p>● When [1394] is selected in Setup Menu No. 600 (VIDEO IN SEL), the time code input for the IEEE 1394 digital input/output connector is used. However, the VITC information is not superimposed on the video signal during EE mode and when recording. Furthermore, LTC information and VITC information are not superimposed on the HD serial output.</p>	[HDSDI]	↔	[SDDSDI]	INT	↔	INT	EXT_L	↔	EXT_L	SLTC	↔	EXT_L	SVITC	↔	VITC
[HDSDI]	↔	[SDDSDI]														
INT	↔	INT														
EXT_L	↔	EXT_L														
SLTC	↔	EXT_L														
SVITC	↔	VITC														

The underlining () denotes the factory setting mode.

Setup menus (continued)

<TIME CODE> (continued)

No./Item	Description of setting
508* ¹ BINARY GP	<p>For setting how the user bits of the time code generated by the TCG is to be used.</p> <p>0000 000 NOT SPECIFIED (no character set specified)</p> <p>0001 001 ISO CHARACTER (8-bit character set complying with ISO646, ISO2022 standards)</p> <p>0002 010 UNASSIGNED 1(undefined)</p> <p>0003 011 UNASSIGNED 2(undefined)</p> <p>0004 100 UNASSIGNED 3(undefined)</p> <p>0005 101 PAGE/LINE</p> <p>0006 110 UNASSIGNED 4(undefined)</p> <p>0007 111 UNASSIGNED 5(undefined)</p>
509 PHASE CORR	<p>For selecting whether to exercise phase correction control over the LTC which is generated by the TCG.</p> <p>0000 OFF Phase correction control is not exercised.</p> <p>0001 ON Phase correction control is exercised.</p>
510* ¹ TCG CF FLAG	<p>For selecting whether to set the CF flag of the TCG to ON or OFF.</p> <p>0000 OFF The CF flag is set to OFF.</p> <p>0001 ON The CF flag is set to ON</p>
511* ² DF MODE	<p>For selecting the drop frame or non-drop frame mode for CTL and TCG.</p> <p>0000 DF The drop frame mode is selected.</p> <p>0001 NDF The non-drop frame mode is selected.</p> <p><Note> This DF mode setting takes effect only when LOCAL is selected or when "ENA" has been selected as the setup menu item No.001 (LOCAL ENA) setting.</p>
512* ¹ TC OUT REF	<p>For switching the phase of the time code, which is output from the TIME CODE OUT connector, in response to the external LTC input when a setting other than "INT" has been selected for setup menu item No.507 (TC SOURCE). (In EE mode only)</p> <p>0000 VOUT The phase is aligned with the output image.</p> <p>0001 TC IN The phase is aligned with the external time code input.</p>

SBC (sub code data) area:

This is an area on the helical track, and it is separate from the video and audio data area. The time codes, recording dates and times and other tape control information complying with SMPTE/EBU standards are stored here. As with the conventional LTC (linear time code), the time code can be read even during rewinding or fast forwarding. It can also be read out when the tape has stopped.

VAUX (video auxiliary data) area:

This area is to be found in the video data area on the helical track. The additional information relating to the video data is stored here.

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

*2 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, 50 Hz (HD, SD) mode or 50 Hz mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

No./Item	Description of setting
513 VITC OUT	<p>For selecting how to output the VITC which is superimposed on the output video signal.</p> <p>0000 SBC In the playback mode, the time code recorded in the SBC area is output.</p> <p>0001 VAUX In the playback mode, the time code recorded in the VAUX area is output.</p> <p><Note></p> <ul style="list-style-type: none"> The VITC information detected by the HD serial input is automatically recorded in the VAUX area when the video signals are recorded. When [23/24], [25 (HD)], [25 (SD)], [50 (HD)], or [50 (SD)] is selected in System Menu No. 25 (SYSTEM FREQ) and [VAUX] is selected, the output time codes may not be consecutive.
514 HD EMBD VITC	<p>For selecting whether to superimpose the VITC information on the HD serial output.</p> <p>0000 OFF The VITC information is not superimposed.</p> <p>0001 ON The VITC information is superimposed.</p>
515 HD EMBD LTC	<p>For selecting whether to superimpose the LTC information on the HD serial output.</p> <p>0000 OFF The LTC information is not superimposed.</p> <p>0001 ON The LTC information is superimposed.</p>
516* ¹ TC OUT ADV	<p>For selecting the processing to align the phase of the time code which is output from the TIME CODE OUT connector.</p> <p>Normally, the time code which is output from the TIME CODE OUT connector is aligned with the output video and audio. If so required by the connection with an external component or for some other reason, this item makes it possible to set the mode for aligning the phase with the input.</p> <p>0000 OFF The phase alignment processing is not conducted. The time code which is output from the TIME CODE OUT connector is aligned with the output video and audio.</p> <p>0001 EDIT During playback when an editing mode has been selected and during editing, the time code which is output from the TIME CODE OUT connector is aligned with the input video and audio. In all other modes, it is aligned with the output video and audio.</p>
517* ¹ TCG OUT	<p>For selecting whether to latch the TCG display and LTC output during INPUT CHECK.</p> <p>0000 MOMENT The INPUT CHECK mode is established only while the INPUT CHECK key is held down.</p> <p>0001 LATCH When the INPUT CHECK key is pressed, the INPUT CHECK mode is established; even when it is released, the mode remains unchanged. The selection is released when the video output is set to a mode other than the EE mode.</p>

The underlining () denotes the factory setting mode.

Setup menus (continued)

<VIDEO>

No./Item	Description of setting
600* ¹ VIDEO IN SEL	<p>For selecting the video signal which is to be input.</p> <p>0000 <u>INT SG</u> The internal signal selected by the VIDEO INT SG item is generated.</p> <p>0001 <u>HSDI</u> The serial video signal which has been input to the HD SDI IN connector is selected.</p> <p>0003 <u>1394</u> For selecting the compressed digital signals input to the DV connector (digital video interface). In this case, the audio input signals are also signals from the DV connector.</p> <p>0004 <u>SD SDI</u> For selecting the serial image signals input to the SD SDI IN connector</p>
601* ¹ VIDEO INT SG	<p>For selecting the type of internal signal.</p> <p>0000 <u>100%CB</u> A 100% color bar signal is selected.</p> <p>0001 <u>75%CB</u> A 75% color bar signal is selected.</p> <p>0002 <u>SMPTE</u> An SMPTE color bar signal is selected.</p> <p>0003 <u>ARIB</u> An ARIB color bar signal is selected.</p> <p>0004 <u>MB</u> A multiburst signal is selected.</p> <p>0005 <u>RAMP</u> A ramp signal is selected.</p> <p>0006 <u>BLACK</u> A black signal is selected.</p> <p>0007 <u>PLL</u> A PLL signal is selected.</p> <p>0008 <u>EQ</u> An EQ signal is selected.</p>
602* ¹ SDI IN MODE	<p>For selecting how to process the serial input.</p> <p>0000 <u>DR OFF</u> The 8 higher bits after rounding up the 2 lowest bits are recorded.</p> <p>0001 <u>DR ON</u> The signal with 8 higher bits, obtained by dynamic rounding, is recorded.</p>
603 V-MUTE SEL	<p>For selecting whether the image input signal is muted or not when blank parts of the tape are detected during playback</p> <p>0000 <u>N MUTE</u> The signals are not muted. (They are frozen.)</p> <p>0001 <u>GRAY</u> The signals are muted with gray.</p> <p>0002 <u>BLACK</u> The signals are muted with black.</p> <p>0003 <u>NOISE</u> The signals are muted with noise.</p>
604* ¹ FREEZE SEL	<p>For selecting the freeze mode of the still pictures and slow playback mode.</p> <p>0000 <u>FIELD</u> Field freeze, field slow</p> <p>0001 <u>FRAME</u> Frame freeze, frame slow</p>

The underlining () denotes the factory setting mode.

No./Item	Description of setting
605* ¹ INTERPOLATE	<p>During field slow playback, vertical interpolation is conducted automatically to minimize the up/down movement of the playback pictures. However, this setting enables the interpolation operation to be forcibly set to OFF.</p> <p>0000 <u>OFF</u> The interpolation is forcibly set to OFF</p> <p>0001 <u>AUTO</u> During slow playback, the interpolation is automatically set to ON</p>
606 SD MONI O SEL	<p>For switching the MONITOR output signal from SD SDI connector.</p> <p>0000 <u>MONI</u> The MONITOR signal is output.</p> <p>0001 <u>SDI</u> The same video signal as the one output from the SD SDI OUT1 connector is output.</p> <p><Note> When 1 (SDI) is selected, the time code and other information are not superimposed on the display.</p>
619* ⁴ V_FILTER	<p>This is used to select the method to process the images using the vertical filter during down-conversion.</p> <p>0000 <u>FIELD</u> The images are processed by field basis.</p> <p>0001 <u>FRAME</u> The images are processed by frame basis.</p> <p><Note> When "FRAME" has been selected, the resolution is improved, but the images may flicker.</p>
620* ² DOWNCON MODE	<p>For selecting the picture frame during down-conversion.</p> <p>0000 <u>FIT-V</u> Side cut mode</p> <p>0001 <u>FIT-H</u> Letter box mode</p> <p>0002 <u>FIT-HV</u> Squeeze mode</p> <p>0003 <u>14:9</u> Semi letter box 14:9</p> <p>0004 <u>13:9</u> Semi letter box 13:9</p>
621* ³ UPCON MODE	<p>For selecting the picture frame during up-conversion.</p> <p>0000 <u>FIT-V</u> Side panel mode</p> <p>0001 <u>FIT-H</u> Top and bottom cut in vertical direction</p> <p>0002 <u>FIT-HV</u> Stretch mode</p>
622 D/C RESP H	<p>For selecting the horizontal frequency band during down-conversion and line conversion (1080i ←→ 720p).</p> <p>0000 <u>WIDE</u></p> <p>0001 <u>STD</u></p>

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

*2 When the 23/24 Hz mode, 25 Hz (HD) mode, or 50 Hz (HD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

*3 When the 25 Hz (HD, SD) mode or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

*4 This item is displayed only when the 25 Hz (SD) mode is selected in System Menu No. 25 (SYSTEM FREQ)

Setup menus (continued)

<VIDEO> (continued)

No./Item	Description of setting
623 D/C RESP V	For selecting the vertical frequency band during down-conversion and line conversion (1080i ↔ 720p). 0000 <u>WIDE</u> 0001 STD
624*2 U/C RESP H	For selecting the horizontal frequency band during up-conversion and line conversion. 0000 STD 0001 NARROW
625*2 U/C RESP V	For selecting the vertical frequency band during up-conversion and line conversion. 0000 STD 0001 NARROW
626 D/C ENH H	For accentuating the horizontal contours during down-conversion and line conversion (1080i ↔ 720p). 0000 0dB 0001 +0.7dB 0002 <u>+1dB</u> 0003 +1.2dB 0004 +1.5dB 0005 2dB <Note> The numbers on the superimposed display are approximations only.
627 D/C ENH V	For accentuating the vertical contours during down-conversion and line conversion (1080i ↔ 720p). 0000 0dB 0001 +0.7dB 0002 <u>±1dB</u> 0003 +1.2dB 0004 +1.5dB 0005 2dB <Note> The numbers on the superimposed display are approximations only.
628*2 U/C ENH H	For accentuating the horizontal contours during up-conversion. 0000 0dB 0001 +0.7dB 0002 <u>±1dB</u> 0003 +1.2dB 0004 +1.5dB 0005 2dB <Note> The numbers on the superimposed display are approximations only.
629*2 U/C ENH V	For accentuating the vertical contours during up-conversion. 0000 0dB 0001 0.7dB 0002 <u>+1dB</u> 0003 1.2dB 0004 +1.5dB 0005 2dB <Note> The numbers on the superimposed display are approximations only.

No./Item	Description of setting
630*1 1080i → HD_ OUT	For selecting the HD output signal format during 1080i tape playback or in the 1080i EE mode. 0000 <u>1080i</u> 0001 720p <Note> When [SD SDI] is selected in Setup Menu No. 600 (VIDEO IN SEL), images are output in the format selected in Setup Menu No. 020 (SYS FORMAT) regardless of the settings in this menu.
632*3 720p → HD_ OUT	For selecting the HD output signal format during 720p tape playback or in the 720p EE mode. 0000 1080i 0001 <u>720p</u> <Note> When [SD SDI] is selected in Setup Menu No. 600 (VIDEO IN SEL), images are output in the format selected in Setup Menu No. 020 (SYS FORMAT) regardless of the settings in this menu.
636*1 SD → HD_ OUT	For selecting the HD output signal format while playing back an SD tape (DVCPRO50/DVCPRO/DV/DVCAM). 0000 <u>1080i</u> 0001 720p

- *1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.
- *2 When the 25 Hz (HD, SD) mode or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.
- *3 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

The underlining () denotes the factory setting mode.

Setup menus (continued)

<VIDEO> (continued)

No./Item	Description of setting																
638 ^{*1} IN U/C MODE	<p>For selecting the up-conversion picture frame when SD SDI input signals are supplied.</p> <p><u>0000</u> <u>FIT-V</u> Side panel mode</p> <p>0001 <u>FIT-H</u> Top and bottom cut in vertical direction</p> <p>0002 <u>FIT-HV</u> Stretch mode</p>																
639 ^{*1} I U/C RESP H	<p>For selecting the horizontal frequency band during the up-conversion of SD SDI input signals.</p> <p>0000 <u>STD</u></p> <p>0001 <u>NARROW</u></p>																
640 ^{*1} I U/C RESP V	<p>For selecting the vertical frequency band during the up-conversion of SD SDI input signals.</p> <p>0000 <u>STD</u></p> <p>0001 <u>NARROW</u></p>																
641 ^{*1} I U/C ENH H	<p>For accentuating the horizontal contours during up-conversion of SD SDI input signals.</p> <table border="0"> <tr> <td>0000</td> <td>0dB</td> <td>0004</td> <td>+1.5dB</td> </tr> <tr> <td>0001</td> <td>+0.7dB</td> <td>0005</td> <td>+2dB</td> </tr> <tr> <td><u>0002</u></td> <td><u>+1dB</u></td> <td></td> <td></td> </tr> <tr> <td>0003</td> <td>+1.2dB</td> <td></td> <td></td> </tr> </table> <p><Note> The numbers on the superimposed display are approximations only.</p>	0000	0dB	0004	+1.5dB	0001	+0.7dB	0005	+2dB	<u>0002</u>	<u>+1dB</u>			0003	+1.2dB		
0000	0dB	0004	+1.5dB														
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0003	+1.2dB																
642 ^{*1} I U/C ENH V	<p>For accentuating the vertical contours during up-conversion of SD SDI input signals.</p> <table border="0"> <tr> <td>0000</td> <td>0dB</td> <td>0004</td> <td>+1.5dB</td> </tr> <tr> <td>0001</td> <td>+0.7dB</td> <td>0005</td> <td>+2dB</td> </tr> <tr> <td><u>0002</u></td> <td><u>+1dB</u></td> <td></td> <td></td> </tr> <tr> <td>0003</td> <td>+1.2dB</td> <td></td> <td></td> </tr> </table> <p><Note> The numbers on the superimposed display are approximations only.</p>	0000	0dB	0004	+1.5dB	0001	+0.7dB	0005	+2dB	<u>0002</u>	<u>+1dB</u>			0003	+1.2dB		
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0001	+0.7dB	0005	+2dB														
<u>0002</u>	<u>+1dB</u>																
0003	+1.2dB																
643 ^{*2} IN BLK LINE	<p>For selecting the input method for line 20 and line 21 of the video signal while the SD signal is input</p> <p><u>0000</u> <u>OFF</u> Not blank</p> <p>0001 <u>ON</u> Blank</p>																
650 STYLE	<p><u>0000</u> <u>CMPNT*</u> Level adjustment mode for the component style</p> <p>0001 <u>CMPST</u> Level adjustment mode for the composite style</p> <p>* The asterisk denotes the factory setting for AJ-HD1800E.</p>																
651 ^{*3} HUE STYLE (SD) ^{*DW}	<p>For selecting the rotational axis of the chroma phase adjustment.</p> <p>0000 <u>Pb-Pr</u> The axis rotates in a perfect circle on the SDI (component style) vectorscope.</p> <p>0001 <u>U-V</u> The axis rotates in a perfect circle on the analog (composite style) vectorscope.</p>																

No./Item	Description of setting										
653 Y LVL (HD) ^{*UP}	<p>For adjusting the Y level of the HD SDI output. (-∞ to 0 dB to +3 dB)</p> <table border="0"> <tr> <td>0000</td> <td>0.0%</td> </tr> <tr> <td>:</td> <td>:</td> </tr> <tr> <td><u>1000</u></td> <td><u>100.0%</u></td> </tr> <tr> <td>:</td> <td>:</td> </tr> <tr> <td>1413</td> <td>141.3%</td> </tr> </table> <p><Note> This setting takes effect when "CMPNT" has been selected as the setup menu item No.650 setting.</p>	0000	0.0%	:	:	<u>1000</u>	<u>100.0%</u>	:	:	1413	141.3%
0000	0.0%										
:	:										
<u>1000</u>	<u>100.0%</u>										
:	:										
1413	141.3%										
654 Pb LVL (HD) ^{*UP}	<p>For adjusting the PB level of the HD SDI output. (-∞ to 0 dB to +3 dB)</p> <table border="0"> <tr> <td>0000</td> <td>0.0%</td> </tr> <tr> <td>:</td> <td>:</td> </tr> <tr> <td><u>1000</u></td> <td><u>100.0%</u></td> </tr> <tr> <td>:</td> <td>:</td> </tr> <tr> <td>1413</td> <td>141.3%</td> </tr> </table> <p><Note> This setting takes effect when "CMPNT" has been selected as the setup menu item No.650 setting.</p>	0000	0.0%	:	:	<u>1000</u>	<u>100.0%</u>	:	:	1413	141.3%
0000	0.0%										
:	:										
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:	:										
1413	141.3%										
655 Pr LVL (HD) ^{*UP}	<p>For adjusting the PB level of the HD SDI output. (-∞ to 0 dB to +3 dB)</p> <table border="0"> <tr> <td>0000</td> <td>0.0%</td> </tr> <tr> <td>:</td> <td>:</td> </tr> <tr> <td><u>1000</u></td> <td><u>100.0%</u></td> </tr> <tr> <td>:</td> <td>:</td> </tr> <tr> <td>1413</td> <td>141.3%</td> </tr> </table> <p><Note> This setting takes effect when "CMPNT" has been selected as the setup menu item No.650 setting.</p>	0000	0.0%	:	:	<u>1000</u>	<u>100.0%</u>	:	:	1413	141.3%
0000	0.0%										
:	:										
<u>1000</u>	<u>100.0%</u>										
:	:										
1413	141.3%										

- *1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.
- *2 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, 50 Hz (HD, SD) mode or 50 Hz mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.
- *3 When the 50 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

*UP: With HD output (HD tape playback or up-converted output)

*DW: With SD output (SD tape playback or down-converted output)

The underlining () denotes the factory setting mode.

Setup menus (continued)

<VIDEO> (continued)

No./Item	Description of setting
656 BK LVL (HD) ^{*UP}	<p>For adjusting the black level of the HD SDI output.</p> <p>50 -10.0% : : <u>150</u> <u>0.0%</u> : : 250 +10.0%</p> <p><Note> This setting takes effect when "CMPNT" has been selected as the setup menu item No.650 setting.</p>
658 Y LVL (SD) ^{*DW}	<p>For adjusting the Y level of SD SDI output and analog composite output (-∞ to 0 dB to +3 dB)</p> <p>0000 0.0% : : <u>1000</u> <u>100.0%</u> : : 1413 141.3%</p> <p><Note> This setting takes effect when "CMPNT" has been selected as the setup menu item No.650 setting.</p>
659 Pb LVL (SD) ^{*DW}	<p>For adjusting the PB level of SD SDI output and analog composite output (-∞ to 0 dB to +3 dB)</p> <p>0000 0.0% : : <u>1000</u> <u>100.0%</u> : : 1413 141.3%</p> <p><Note> This setting takes effect when "CMPNT" has been selected as the setup menu item No.650 setting.</p>
660 Pr LVL (SD) ^{*DW}	<p>For adjusting the PR level of SD SDI output and analog composite output (-∞ to 0 dB to +3 dB)</p> <p>0000 0.0% : : <u>1000</u> <u>100.0%</u> : : 1413 141.3%</p> <p><Note> This setting takes effect when "CMPNT" has been selected as the setup menu item No.650 setting.</p>
661 BK LVL (SD) ^{*DW}	<p>For adjusting the black level of SD SDI output and analog composite output</p> <p>50 -10.0% : : <u>150</u> <u>0.0%</u> : : 250 +10.0%</p> <p><Note> This setting takes effect when "CMPNT" has been selected as the setup menu item No.650 setting.</p>
662 V LEVEL	<p>For adjusting the black level of SD SDI output and analog composite output (-∞ to 0 dB to +6 dB)</p> <p>0000 0.0% : : <u>1000</u> <u>100.0%</u> : : 2000 200.0%</p> <p><Note> This setting takes effect when "CMPST" has been selected as the setup menu item No.650 setting.</p>

No./Item	Description of setting
663 C LEVEL	<p>For adjusting the chroma level of HD SDI, SD SDI, and analog composite output (-∞ to 0 dB to +3 dB)</p> <p>0000 0.0% : : <u>1000</u> <u>100.0%</u> : : 1413 141.3%</p> <p><Note> This setting takes effect when "CMPST" has been selected as the setup menu item No.650 setting.</p>
664 HUE (AJ-HD1800P) C PHASE (AJ-HD1800E)	<p>For adjusting the chroma phase of HD SDI, SD SDI, and analog composite output (Approx. -30° to +30°)</p> <p>0000 -31.0 : : <u>0062</u> <u>0.0</u> : : 0124 31.0</p> <p><Note> ● This setting takes effect when "CMPST" has been selected as the setup menu item No.650 setting. ● When the 50 Hz mode, 25 Hz (HD/SD) mode, or 50 Hz (HD/SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), it is impossible to adjust the HD SDI output. ● The SD SDI and analog composite output can be adjusted only when a tape in SD format is played back, or cross conversion is set in Menu No. 630 (1080i → HD OUT) and No. 631 (720p → HD OUT).</p>
665 SETUP LVL (AJ-HD1800P) BK LVL (AJ-HD1800E)	<p>For adjusting the setup (black) level of the HD SDI output, SD SDI output and VIDEO output. (-10% to +10%)</p> <p>50 -10.0% : : <u>150</u> <u>0.0%</u> : : 250 +10.0%</p> <p><Note> This setting takes effect when "CMPST" has been selected as the setup menu item No.650 setting.</p>
670 BRIGHTNESS	<p>For adjusting the brightness of the LCD monitor on the front panel.</p> <p>0000 -7 : : <u>0007</u> <u>0</u> : : 0014 7</p>
671 COLOR LEVEL	<p>For adjusting the color density of the LCD monitor on the front panel</p> <p>0000 -7 : : <u>0007</u> <u>0</u> : : 0014 7</p>

*UP: With HD output (HD tape playback or up-converted output)
*DW: With SD output (SD tape playback or down-converted output)

The underlining () denotes the factory setting mode.

Setup menus (continued)

<VIDEO> (continued)

No./Item	Description of setting
672 CONTRAST	<p>For adjusting the contrast of the LCD monitor on the front panel.</p> <p>0000 -7 : : 0007 0 : : 0014 7</p>
673 BACKLIGHT	<p>For adjusting the backlight</p> <p>0000 <u>NORMAL</u> Normal mode 0001 HIGH The backlight is brighter than NORMAL.</p>
676*2 BLK CLIP	<p>This function clips the signals below the pedestal level for SD SDI OUT and composite OUT Y (luminance) signals.</p> <p>0000 <u>OFF</u> The signals are not clipped. 0001 ON The signals are clipped.</p>
680*1 CC (F1) BLANK *DW	<p>For selecting ON or OFF for the closed caption signals in the first field.</p> <p>0000 BLANK The signals are forcibly blanked. 0001 <u>THRU</u> The signals are not blanked</p>
681*1 CC (F2) BLANK *DW	<p>For selecting ON or OFF for the closed caption signals in the second field.</p> <p>0000 BLANK The signals are forcibly blanked. 0001 <u>THRU</u> The signals are not blanked.</p>
682 VO SETUP (HD)*UP (This menu is not displayed for AJ-HD1800E.)	<p>This selects the composite output signal in HD mode.</p> <p>0000 <u>THRU</u> The signal is output with no setup added. 0001 <u>ADD22L</u> The signal is output from line 22 with a 7.5% setup added. 0002 <u>ADD21L</u> The signal is output from line 21 with a 7.5% setup added. 0001 <u>ADD20L</u> The signal is output from line 20 with a 7.5% setup added.</p>
683 VO SETUP (SD)*DW (This menu is not displayed for AJ-HD1800E.)	<p>This selects the composite output signal in SD mode.</p> <p>0000 <u>THRU</u> The signal is output with no setup added. 0001 <u>ADD22L</u> The signal is output from line 22 with a 7.5% setup added. 0002 <u>ADD21L</u> The signal is output from line 21 with a 7.5% setup added. 0001 <u>ADD20L</u> The signal is output from line 20 with a 7.5% setup added.</p>
684 EDH (SD)*DW	<p>For selecting whether EDH is superimposed on SD SDI output</p> <p>0000 OFF EDH is not superimposed. 0001 <u>ON</u> EDH is superimposed</p>

No./Item	Description of setting
685*1 ESR MODE (SD)*DW	<p>For selecting the operation mode for edge subcarrier reduction (ESR) in the playback circuit.</p> <p>0000 OFF ESR is forcibly set to OFF 0001 <u>AUTO</u> ESR is automatically set to ON or OFF in accordance with the VTR operation</p>
686*1 CCR MODE (SD)*DW	<p>For selecting the cross color processing during playback.</p> <p>0000 OFF The cross color is output as is. 0001 ON The cross color can be reduced</p>
687*3 SDI INDEX 0 *DW	<p>For selecting whether to superimpose the VIDEO INDEX signal on the SD SDI output signal.</p> <p>0000 OFF The VIDEO INDEX signal is not superimposed on the SD SDI output signal. 0001 ON The VIDEO INDEX signal is superimposed on the SD SDI output signal.</p>
688*1 CC REC	<p>For selecting whether to record the closed caption signals which are superimposed on the SD input signal.</p> <p>0000 OFF The closed caption signals are not recorded on the tape. 0001 <u>ON</u> The closed caption signals are recorded on the tape if they are superimposed on the SD input signal. In this case, they are blanked, up-converted and then recorded.</p>

- *1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.
- *2 When the 50 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.
- *3 When the 23/24 Hz mode, 25 Hz (HD) mode, or 50 Hz (HD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

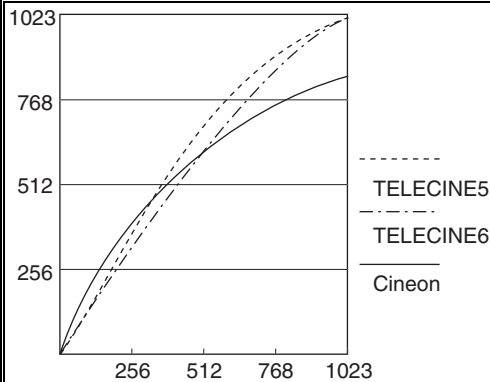
*UP: With HD output (HD tape playback or up-converted output)
*DW: With SD output (SD tape playback or down-converted output)

The underlining () denotes the factory setting mode.

Setup menus (continued)

<VIDEO> (continued)

No./Item	Description of setting
689*1 COMP MODE	<p>This is used to select the method to process the image compression during recording.</p> <p>0000 NORMAL The images are recorded using the regular compression processing.</p> <p>0001 DARK The images are recorded while minimizing the compressed image distortion which arises in the dark areas below about 10 IRE (70 mV).</p> <p><Notes></p> <ul style="list-style-type: none"> ● This setting is valid when recording in the 720p mode. ● When [DARK] is selected, the indication (c) blinks to the left of the second line of the superimposed indication.
690*1 UMID REC	<p>This selects whether or not to record the UMID information on the tape.</p> <p>0000 OFF UMID information is not recorded on the tape. The [EE] output is also blank.</p> <p>0001 ON The UMID set in menu No. 691 UMID GEN is recorded. If no Basic UMID is available in the input signals, a Basic UMID of the unit, which is newly generated, is recorded.</p> <p><Note> UMID information cannot be rewritten in this unit.</p>
691*1 UMID GEN	<p>This selects a UMID that is recorded when menu No. 690 UMID REC is turned "ON".</p> <p>0000 INT Newly created basic UMID information of this unit is always recorded.</p> <p>0001 EXT The UMID information of the input signals is recorded. If no UMID is available in the input signals, a Basic UMID of the unit, which is newly generated, is recorded.</p> <p><Note> The source pack (of the UMID information) of the input signal will be recorded on the tape, regardless of this menu's setting.</p>
692*1 UMID POS	<p>This sets the line on which the UMID information is to be superimposed.</p> <p>0000 BLANK 0001 12L : : 0006 17L : : 0008 19L</p> <p><Notes></p> <ul style="list-style-type: none"> ● The line selected for the menu item No. 501 VITC POS-1 and No. 502 VITC POS-2 settings cannot be selected for this item. ● Even if [F4] (RESET) is pressed while the settings are changed, the settings does not return to the factory settings. ● Metadata recorded on the tape will be output giving UMID information first priority. When metadata is output, set to a line other than the original multiplexed line or select "BLANK."

No./Item	Description of setting
693 GAMMA SEL	<p>This selects gamma correction.</p> <p>0000 OFF Gamma correction is not carried out.</p> <p>0001 GAMMA1 This corrects video images shot with the cine gamma FilmREC mode of the Varicam to images of film quality (equivalent to Telecine 5 of HD Gamma Corrector in AJ-GBX27G).</p> <p>0002 GAMMA2 This corrects video images shot with the cine gamma FilmREC mode of the Varicam to images of film quality (equivalent to Telecine 6 of HD Gamma Corrector in AJ-GBX27G).</p> <p>0003 GAMMA3 This converts video images shot with the cine gamma FilmREC mode of the Varicam into the Cineon curve appropriate for film recording.</p> <div style="text-align: right;">  </div> <p><Notes></p> <ul style="list-style-type: none"> ● Gamma correction is effective in the following conditions. <ul style="list-style-type: none"> ◆ When the VTR operation mode is VV (TAPE) and 720p is displayed in the system format. However, when the 23/24 mode is selected in System Menu No. 25 (SYSTEM FREQ), or 59/60 and 50i/25p are selected in System Menu No. 25 (SYSTEM FREQ), as well as performing the cross conversion from 720p to 1080i, gamma correction is not performed for SD output. ● If it is set to execute gamma correction, the GM indicator in the time code display lights constantly. ● When the power of the unit is turned OFF, the settings in this item also return to [OFF]. ● This item is not effective for 1394 output.

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

*2 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, 50 Hz (HD, SD) mode or 50 Hz mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

The underlining () denotes the factory setting mode.

Setup menus (continued)

<VIDEO> (continued)

No./Item	Description of setting
695* ¹ BLANK LINE	<p>For selecting ON or OFF for blanking for the vertical blanking period of the video signals during SD tape playback.</p> <p><u>0000</u> <u>BLANK</u> All the lines are forcibly blanked</p> <p>0001 THRU None of the lines are blanked.</p> <p>0002 <u>MANU</u> Blanking ON or OFF is selected on a line-by-line basis.</p> <p><Note></p> <ul style="list-style-type: none"> When [MANU] is set, press SHIFT to move to the sub window and select ON/OFF for the respective lines. To return from the sub window, press SHIFT again. Lines that are selected to be blanked in this item must be blanked in the same way before being up-converted when playing back the SD tape.
Submenu screen <59/60Hz>	
01 LINE 11&274 : : : 12 LINE 22&285	<p><u>0000</u> <u>BLANK</u> The lines are forcibly blanked.</p> <p>0001 THRU The lines are not blanked</p>
Submenu screen <50Hz>	
00 LINE 7&320 : : : 15 LINE 22&335	<p><u>0000</u> <u>BLANK</u> The lines are forcibly blanked.</p> <p>0001 THRU The lines are not blanked</p>

The underlining () denotes the factory setting mode.

<AUDIO>

No./Item	Description of setting
700* ¹ CH1 IN LV	<p>For selecting the audio input (CH1) reference level.</p> <p>0000 4dB <u>0001</u> <u>0dB</u> 0002 -3dB 0003 -20dB</p>
701* ¹ CH2 IN LV	<p>For selecting the audio input (CH2) reference level.</p> <p>0000 4dB <u>0001</u> <u>0dB</u> 0002 -3dB 0003 -20dB</p>
702* ¹ CH3 IN LV	<p>For selecting the audio input (CH3) reference level.</p> <p>0000 4dB <u>0001</u> <u>0dB</u> 0002 -3dB 0003 -20dB</p>
703* ¹ CH4 IN LV	<p>For selecting the audio input (CH4) reference level.</p> <p>0000 4dB <u>0001</u> <u>0dB</u> 0002 -3dB 0003 -20dB</p>
704* ¹ CUE IN LV	<p>For selecting the CUE input reference level.</p> <p>0000 4dB <u>0001</u> <u>0dB</u> 0002 -3dB 0003 -20dB 0004 -60dB</p>
705 CH1 OUT LV	<p>For selecting the audio output (CH1) reference level.</p> <p>0000 4dB <u>0001</u> <u>0dB</u> 0002 -3dB 0003 -20dB</p>
706 CH2 OUT LV	<p>For selecting the audio output (CH2) reference level.</p> <p><u>00000</u> 4dB <u>0001</u> <u>0dB</u> 0002 -3dB 0003 -20dB</p>
707 CH3 OUT LV	<p>For selecting the audio output (CH3) reference level.</p> <p>0000 4dB <u>0001</u> <u>0dB</u> 0002 -3dB 0003 -20dB</p>
708 CH4 OUT LV	<p>For selecting the audio output (CH4) reference level.</p> <p>0000 4dB <u>0001</u> <u>0dB</u> 0002 -3dB 0003 -20dB</p>

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

Setup menus (continued)

<AUDIO> (continued)

No./Item	Description of setting
709	For selecting the CUE output reference level.
CUE OUT LV	0000 4dB 0001 <u>0dB</u> 0002 -3dB 0003 -20dB
710	For selecting the audio monitor output (Lch) reference level.
MONIL OUT LV	0000 4dB 0001 <u>0dB</u> 0002 -3dB 0003 -20dB
711	For selecting the audio monitor output (Rch) reference level.
MONIR OUT LV	0000 4dB 0001 <u>0dB</u> 0002 -3dB 0003 -20dB
712	For selecting whether the volume of audio monitor output is interlocked to the volume adjustment knob or not.
MONI OUT	0000 UNITY The signals are output at a fixed level. 0001 <u>VAR</u> The signal output is coupled with the headphones volume control.
713 ^{*1,2}	For selecting the CH1 input signal.
CH1 IN SEL	0000 INT SG The internal signal is selected. 0001 <u>DIGI</u> Digital input signals are selected. 0002 ANA Analog input signals are selected. <Note> When DIGI has been selected, whether serial or AES is selected for the input is determined by the setting selected for setup menu item No.721 (D IN SEL 12).
714 ^{*1,2}	For selecting the CH2 input signal.
CH2 IN SEL	0000 INT SG The internal signal is selected. 0001 <u>DIGI</u> Digital input signals are selected. 0002 ANA Analog input signals are selected. <Note> When DIGI has been selected, whether serial or AES is selected for the input is determined by the setting selected for setup menu item No.721 (D IN SEL 12).
715 ^{*2}	For selecting the CH3 input signal.
CH3 IN SEL	0000 INT SG The internal signal is selected. 0001 <u>DIGI</u> Digital input signals are selected. 0002 ANA Analog input signals are selected. <Note> When DIGI has been selected, whether serial or AES is selected for the input is determined by the setting selected for setup menu item No.722 (D IN SEL 34).

No./Item	Description of setting
716 ^{*1,2}	For selecting the CH4 input signal.
CH4 IN SEL	0000 INT SG The internal signal is selected. 0001 <u>DIGI</u> Digital input signals are selected. 0002 ANA Analog input signals are selected. <Note> When DIGI has been selected, whether serial or AES is selected for the input is determined by the setting selected for setup menu item No.722 (D IN SEL 34).
717 ^{*1,2}	For selecting the CH5 input signal.
CH5 IN SEL	0000 INT SG The internal signal is selected. 0001 <u>DIGI</u> Digital input signals are selected. 0002 ANA Analog input signals are selected. (CH1 input) <Note> When DIGI has been selected, whether serial or AES is selected for the input is determined by the setting selected for setup menu item No.723 (D IN SEL 56).
718 ^{*1,2}	For selecting the CH6 input signal.
CH6 IN SEL	0000 INT SG The internal signal is selected. 0001 <u>DIGI</u> Digital input signals are selected. 0002 ANA Analog input signals are selected. (CH2 input) <Note> When DIGI has been selected, whether serial or AES is selected for the input is determined by the setting selected for setup menu item No.723 (D IN SEL 56).
719 ^{*1,2}	For selecting the CH7 input signal.
CH7 IN SEL	0000 INT SG The internal signal is selected. 0001 <u>DIGI</u> Digital input signals are selected. 0002 ANA Analog input signals are selected. (CH3 input) <Note> When DIGI has been selected, whether serial or AES is selected for the input is determined by the setting selected for setup menu item No.724 (D IN SEL 78).

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or the 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

*2 When 1394 is selected in System Menu No. 600 (VIDEO IN SEL), it is the 1394 input regardless of the selection in this menu.

The underlining () denotes the factory setting mode.

Setup menus (continued)

<AUDIO> (continued)

No./Item	Description of setting
720*1,2 CH8 IN SEL	<p>For selecting the CH8 input signal.</p> <p>0000 INT SG The internal signal is selected.</p> <p>0001 DIGI Digital input signals are selected.</p> <p>0002 ANA Analog input signals are selected. (CH4 input)</p> <p><Note> When DIGI has been selected, whether serial or AES is selected for the input is determined by the setting selected for setup menu item No.724 (D IN SEL 78).</p>
721*1,2 D IN SEL12	<p>For selecting the CH1 and CH2 digital input signals.</p> <p>0000 AES AES/EBU</p> <p>0001 SDI Serial</p> <p><Note> When INT SG is selected for the video input signal, serial input for the audio signal becomes the HD SDI signal.</p>
722*1,2 D IN SEL34	<p>For selecting the CH3 and CH4 digital input signals.</p> <p>0000 AES AES/EBU</p> <p>0001 SDI Serial</p> <p><Note> When INT SG is selected for the video input signal, serial input for the audio signal becomes the HD SDI signal.</p>
723*1,2 D IN SEL56	<p>For selecting the CH5 and CH6 digital input signals.</p> <p>0000 AES AES/EBU</p> <p>0001 SDI Serial</p> <p><Note> When INT SG is selected for the video input signal, serial input for the audio signal becomes the HD SDI signal.</p>
724*1,2 D IN SEL78	<p>For selecting the CH7 and CH8 digital input signals.</p> <p>0000 AES AES/EBU</p> <p>0001 SDI Serial</p> <p><Note> When INT SG is selected for the video input signal, serial input for the audio signal becomes the HD SDI signal.</p>
725*1,3 REC CH1	<p>For selecting the input signals to be recorded on the audio CH1 track.</p> <p>0000 CH1 Audio input CH1 signals</p> <p>0001 CH2 Audio input CH2 signals</p> <p>0002 CH3 Audio input CH3 signals</p> <p>0003 CH4 Audio input CH4 signals</p> <p>0004 CH1+2 Audio input CH1 and CH2 mixed signals</p> <p>0005 CH3+4 Audio input CH3 and CH4 mixed signals</p>

No./Item	Description of setting
726*1,3 REC CH2	<p>For selecting the input signals to be recorded on the audio CH2 track.</p> <p>0000 CH1 Audio input CH1 signals</p> <p>0001 CH2 Audio input CH2 signals</p> <p>0002 CH3 Audio input CH3 signals</p> <p>0003 CH4 Audio input CH4 signals</p> <p>0004 CH1+2 Audio input CH1 and CH2 mixed signals</p> <p>0005 CH3+4 Audio input CH3 and CH4 mixed signals</p>
727*1,3 REC CH3	<p>For selecting the input signals to be recorded on the audio CH3 track.</p> <p>0000 CH1 Audio input CH1 signals</p> <p>0001 CH2 Audio input CH2 signals</p> <p>0002 CH3 Audio input CH3 signals</p> <p>0003 CH4 Audio input CH4 signals</p> <p>0004 CH1+2 Audio input CH1 and CH2 mixed signals</p> <p>0005 CH3+4 Audio input CH3 and CH4 mixed signals</p>
728*1,3 REC CH4	<p>For selecting the input signals to be recorded on the audio CH4 track.</p> <p>0000 CH1 Audio input CH1 signals</p> <p>0001 CH2 Audio input CH2 signals</p> <p>0002 CH3 Audio input CH3 signals</p> <p>0003 CH4 Audio input CH4 signals</p> <p>0004 CH1+2 Audio input CH1 and CH2 mixed signals</p> <p>0005 CH3+4 Audio input CH3 and CH4 mixed signals</p>

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or the 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

*2 When 1394 is selected in System Menu No. 600 (VIDEO IN SEL), it is the 1394 input regardless of the selection in this menu.

*3 When 1394 is selected in System Menu No. 600 (VIDEO IN SEL), the mode is the factory setting mode regardless of the selection in this menu.

The underlining () denotes the factory setting mode.

Setup menus (continued)

<AUDIO> (continued)

No./Item	Description of setting
729*1,2 REC CH5	<p>For selecting the input signals to be recorded on the audio CH5 track.</p> <p><u>0000</u> <u>CH5</u> Audio input CH5 signals</p> <p>0001 <u>CH6</u> Audio input CH6 signals</p> <p>0002 <u>CH7</u> Audio input CH7 signals</p> <p>0003 <u>CH8</u> Audio input CH8 signals</p> <p>0004 <u>CH5+6</u> Audio input CH5 and CH6 mixed signals</p> <p>0005 <u>CH7+8</u> Audio input CH7 and CH8 mixed signals</p>
730*1,2 REC CH6	<p>For selecting the input signals to be recorded on the audio CH6 track.</p> <p>0000 <u>CH5</u> Audio input CH5 signals</p> <p><u>0001</u> <u>CH6</u> Audio input CH6 signals</p> <p>0002 <u>CH7</u> Audio input CH7 signals</p> <p>0003 <u>CH8</u> Audio input CH8 signals</p> <p>0004 <u>CH5+6</u> Audio input CH5 and CH6 mixed signals</p> <p>0005 <u>CH7+8</u> Audio input CH7 and CH8 mixed signals</p>
731*1,2 REC CH7	<p>For selecting the input signals to be recorded on the audio CH7 track.</p> <p>0000 <u>CH5</u> Audio input CH5 signals</p> <p>0001 <u>CH6</u> Audio input CH6 signals</p> <p><u>0002</u> <u>CH7</u> Audio input CH7 signals</p> <p>0003 <u>CH8</u> Audio input CH8 signals</p> <p>0004 <u>CH5+6</u> Audio input CH5 and CH6 mixed signals</p> <p>0005 <u>CH7+8</u> Audio input CH7 and CH8 mixed signals</p>

No./Item	Description of setting
732*1,2 REC CH8	<p>For selecting the input signals to be recorded on the audio CH8 track.</p> <p>0000 <u>CH5</u> Audio input CH5 signals</p> <p>0001 <u>CH6</u> Audio input CH6 signals</p> <p>0002 <u>CH7</u> Audio input CH7 signals</p> <p><u>0003</u> <u>CH8</u> Audio input CH8 signals</p> <p>0004 <u>CH5+6</u> Audio input CH5 and CH6 mixed signals</p> <p>0005 <u>CH7+8</u> Audio input CH7 and CH8 mixed signals</p>
733*1 REC CUE	<p>For selecting the input signals to be recorded on the CUE track.</p> <p><u>0000</u> <u>CUE</u> CUE IN</p> <p>0001 <u>CH1</u> Audio input CH1 signals</p> <p>0002 <u>CH2</u> Audio input CH2 signals</p> <p>0003 <u>CH3</u> Audio input CH3 signals</p> <p>0004 <u>CH4</u> Audio input CH4 signals</p> <p>0005 <u>CH5</u> Audio input CH5 signals</p> <p>0006 <u>CH6</u> Audio input CH6 signals</p> <p>0007 <u>CH7</u> Audio input CH7 signals</p> <p>0008 <u>CH8</u> Audio input CH8 signals</p> <p>0009 <u>CH1+2</u> Audio input CH1 and CH2 mixed signals</p> <p>0010 <u>CH3+4</u> Audio input CH3 and CH4 mixed signals</p> <p>0011 <u>CH5+6</u> Audio input CH5 and CH6 mixed signals</p> <p>0012 <u>CH7+8</u> Audio input CH7 and CH8 mixed signals</p> <p>0013 <u>CH1-8</u> Audio input CH1 to CH8 mixed signals</p> <p><Note> When the VIDEO input switch is set to 1394, audio is not recorded on the CUE track, and the sound is muted.</p>

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or the 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

*2 When 1394 is selected in System Menu No. 600 (VIDEO IN SEL), the mode is the factory setting mode regardless of the selection in this menu.

The underlining () denotes the factory setting mode.

Setup menus (continued)

<AUDIO> (continued)

No./Item	Description of setting
734* ¹ PB FADE	<p>For selecting how to process the audio edit points (IN points and OUT points) during playback.</p> <p><u>0000</u> <u>AUTO</u> The status established during recording is followed.</p> <p>0001 <u>CUT</u> Forcibly cut</p> <p>0002 <u>FADE</u> Forcibly faded</p>
735 HD EMBD AUD	<p>For selecting whether to superimpose the audio data on the HD SDI output.</p> <p>0000 <u>OFF</u> The audio data is not superimposed.</p> <p><u>0001</u> <u>ON</u> The audio data is superimposed.</p>
736 SD EMBD AUD	<p>For selecting whether to superimpose the audio data on the SD SDI output.</p> <p>0000 <u>OFF</u> The audio data is not superimposed.</p> <p><u>0001</u> <u>ON</u> The audio data is superimposed.</p>
737 MONI MIX	<p>For selecting the mixed signals for the headphone monitor (Lch and/or Rch).</p> <p><u>0000</u> <u>OFF</u> Neither the Lch nor Rch signals are mixed.</p> <p>0001 <u>L</u> Only the Lch signals are mixed.</p> <p>0002 <u>R</u> Only the Rch signals are mixed</p> <p>0003 <u>L/R</u> Both the Lch and Rch signals are mixed.</p> <p><Notes></p> <ul style="list-style-type: none"> At the OFF setting, the signals to be output to monitor L (or monitor R) are switched to CH1, CH2, CH3 and so on each time the "L" or "R" button is pressed. The selected signals are displayed below the audio level meter. At the L, R or L/R setting, the signals of a multiple number of channels can be mixed and output. When the number key corresponding to the channel whose signals are to be monitored is pressed while the "L" (or "R") button is held down, that channel is selected. The selected channel is displayed below the audio level meter. (Alternatively, the same steps can be taken to de-select a channel which has already been selected.) However, only up to 2 channels among the CH1-CH4 channels and up to 2 channels among the CH5 to CH8 channels can be selected.
738 CH1 CUE SEL	<p>For selecting the CH1 output status of the main signal line in the search mode.</p> <p><u>0000</u> <u>OFF</u> The CUE signal is not output.</p> <p>0001 <u>ON</u> The CUE signal is output.</p> <p><Note> For details on the audio output statuses, refer to [Audio outputs in the search mode] (page 109).</p>

No./Item	Description of setting
739 CH2 CUE SEL	<p>For selecting the CH2 output status of the main signal line in the search mode.</p> <p><u>0000</u> <u>OFF</u> The CUE signal is not output.</p> <p>0001 <u>ON</u> The CUE signal is output.</p> <p><Note> For details on the audio output statuses, refer to [Audio outputs in the search mode] (page 109).</p>
740 CH3 CUE SEL	<p>For selecting the CH3 output status of the main signal line in the search mode.</p> <p><u>0000</u> <u>OFF</u> The CUE signal is not output.</p> <p>0001 <u>ON</u> The CUE signal is output.</p> <p><Note> For details on the audio output statuses, refer to [Audio outputs in the search mode] (page 109).</p>
741 CH4 CUE SEL	<p>For selecting the CH4 output status of the main signal line in the search mode.</p> <p><u>0000</u> <u>OFF</u> The CUE signal is not output.</p> <p>0001 <u>ON</u> The CUE signal is output.</p> <p><Note> For details on the audio output statuses, refer to [Audio outputs in the search mode] (page 109).</p>
742 CH5 CUE SEL	<p>For selecting the CH5 output status of the main signal line in the search mode.</p> <p><u>0000</u> <u>OFF</u> The CUE signal is not output.</p> <p>0001 <u>ON</u> The CUE signal is output.</p> <p><Note> For details on the audio output statuses, refer to [Audio outputs in the search mode] (page 109).</p>
743 CH6 CUE SEL	<p>For selecting the CH6 output status of the main signal line in the search mode.</p> <p><u>0000</u> <u>OFF</u> The CUE signal is not output.</p> <p>0001 <u>ON</u> The CUE signal is output.</p> <p><Note> For details on the audio output statuses, refer to [Audio outputs in the search mode] (page 109).</p>
744 CH7 CUE SEL	<p>For selecting the CH7 output status of the main signal line in the search mode.</p> <p><u>0000</u> <u>OFF</u> The CUE signal is not output.</p> <p>0001 <u>ON</u> The CUE signal is output.</p> <p><Note> For details on the audio output statuses, refer to [Audio outputs in the search mode] (page 109).</p>

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or the 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

Setup menus (continued)

<AUDIO> (continued)

No./Item	Description of setting
745 CH8 CUE SEL	<p>For selecting the CH8 output status of the main signal line in the search mode.</p> <p><u>0000</u> OFF The CUE signal is not output.</p> <p>0001 ON The CUE signal is output.</p> <p><Note> For details on the audio output statuses, refer to [Audio outputs in the search mode] (page 109).</p>
746 MONI CH SEL	<p>For selecting the monitor output.</p> <p>0000 MANU The signal selected by the MONITOR SELECT button is output.</p> <p><u>0001</u> AUTO The PCM audio signal is output in the $-1.0\times$ to $+2.0\times$ speed range; the CUE signal is automatically output at all other speeds.</p> <p>0002 PCM The PCM audio signal is output in the $-32\times$ to $+32\times$ speed range.</p> <p><Notes></p> <ul style="list-style-type: none"> ● When "AUTO" is selected and a tape in any format except DVCPRO HD-LP is played back, the PCM audio signals are output in the $-1.0\times$ to $+1.1\times$ speed range. ● This setting takes effect when the L and R MONITOR SELECT switches on the VTR's front panel have selected a channel from CH1 to CH8. (If they have selected CUE, the CUE signal is output at all speeds regardless of this menu item's setting.)
747 MON AUTO SEL	<p>For selecting the channel for the monitor output to be switched to CUE.</p> <p>When a setting other than "MANU" has been selected for setup menu item No.746 (MONI CH SEL), the CUE signal is automatically output to the monitor output in accordance with the operation mode, and the monitor channel to be switched to CUE is selected automatically.</p> <p><u>0000</u> L/R The CUE signal is output both to the Lch and Rch.</p> <p>0001 L The CUE signal is output to the Lch only.</p> <p>0002 R The CUE signal is output to the Rch only.</p> <p><Note> For audio output conditions, refer to [Audio outputs in the search mode] (page 109).</p>
748 MONI SEL INH	<p>For selecting whether to enable or inhibit the operation of the MONITOR SELECT button on the front panel.</p> <p><u>0000</u> OFF The button's operation is enabled.</p> <p>0001 ON The button's operation is inhibited.</p> <p>0002 ON1 In the FULL display mode, operation is prohibited; in the FINE display mode only, operation is enabled.</p> <p><Note> Whether to enable or inhibit the button's operation can be selected for channels whose signals have not been mixed by the setup menu item No.737 (MONI MIX) setting.</p>

No./Item	Description of setting
749*1 AUDIO PB VR	<p>For selecting whether the playback level adjustment controls are to function in the EE mode when INT SG has been selected on the <AUDIO> function menu.</p> <p><u>0000</u> DIS The INT SG output level is fixed at the UNITY level.</p> <p>0001 ENA The INT SG output level can be varied using the playback level adjustment controls.</p>
750 ANA CH1 SEL	<p>For selecting the signal to be output to analog output CH1.</p> <p><u>0000</u> CH1 The CH1 signal is output</p> <p>0001 CH5 The CH5 signal is output</p>
751 ANA CH2 SEL	<p>For selecting the signal to be output to analog output CH2.</p> <p><u>0000</u> CH2 The CH2 signal is output.</p> <p>0001 CH6 The CH6 signal is output</p>
752 ANA CH3 SEL	<p>For selecting the signal to be output to analog output CH3.</p> <p><u>0000</u> CH3 The CH3 signal is output</p> <p>0001 CH7 The CH7 signal is output</p>
753 ANA CH4 SEL	<p>For selecting the signal to be output to analog output CH4.</p> <p><u>0000</u> CH4 The CH4 signal is output</p> <p>0001 CH8 The CH8 signal is output</p>
754 SD SDI CH1 SL	<p>For selecting the audio CH1 signal to be superimposed onto the SD SDI output.</p> <p><u>0000</u> CH1 The CH1 signal is output.</p> <p>0001 CH2 The CH2 signal is output.</p> <p>0002 CH3 The CH3 signal is output.</p> <p>0003 CH4 The CH4 signal is output.</p> <p>0004 CH5 The CH5 signal is output.</p> <p>0005 CH6 The CH6 signal is output.</p> <p>0006 CH7 The CH7 signal is output.</p> <p>0007 CH8 The CH8 signal is output.</p>

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or the 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

The underlining () denotes the factory setting mode.

Setup menus (continued)

<AUDIO> (continued)

No./Item	Description of setting
755 SD SDI CH2 SL	<p>For selecting the audio CH2 signal to be superimposed onto the SD SDI output</p> <p>0000 CH1 The CH1 signal is output.</p> <p><u>0001</u> CH2 The CH2 signal is output.</p> <p>0002 CH3 The CH3 signal is output.</p> <p>0003 CH4 The CH4 signal is output.</p> <p>0004 CH5 The CH5 signal is output.</p> <p>0005 CH6 The CH6 signal is output.</p> <p>0006 CH7 The CH7 signal is output.</p> <p>0007 CH8 The CH8 signal is output.</p>
756 SD SDI CH3 SL	<p>For selecting the audio CH3 signal to be superimposed onto the SD SDI output</p> <p>0000 CH1 The CH1 signal is output.</p> <p>0001 CH2 The CH2 signal is output.</p> <p><u>0002</u> CH3 The CH3 signal is output.</p> <p>0003 CH4 The CH4 signal is output.</p> <p>0004 CH5 The CH5 signal is output.</p> <p>0005 CH6 The CH6 signal is output.</p> <p>0006 CH7 The CH7 signal is output.</p> <p>0007 CH8 The CH8 signal is output.</p>
757 SD SDI CH4 SL	<p>For selecting the audio CH4 signal to be superimposed onto the SD SDI output</p> <p>0000 CH1 The CH1 signal is output.</p> <p>0001 CH2 The CH2 signal is output.</p> <p>0002 CH3 The CH3 signal is output.</p> <p><u>0003</u> CH4 The CH4 signal is output.</p> <p>0004 CH5 The CH5 signal is output.</p> <p>0005 CH6 The CH6 signal is output.</p> <p>0006 CH7 The CH7 signal is output.</p> <p>0007 CH8 The CH8 signal is output.</p>
758 JOG PROC	<p>For selecting how to process the digital audio output slow signals in the JOG, VAR or SHTL mode.</p> <p>0000 OFF The sound without having the digital audio output slow signals processed is output even when the STILL mode is established.</p> <p><u>0001</u> ON The sound after having the digital audio output slow signals processed is output.</p>

No./Item	Description of setting
759 DV PB ATT	<p>For selecting the audio output level during DV format playback.</p> <p>0000 OFF The audio output level is not attenuated.</p> <p><u>0001</u> ON The audio output level is attenuated.</p>
760*1 REC PT MUTE	<p>For selecting whether to mute the sound at the joins between recordings during DV or DVCAM format playback.</p> <p>0000 OFF The sound is not muted.</p> <p>0001 ON The sound is muted</p>
761*1 AUDIO INT SG	<p>For selecting the type of internal signal.</p> <p>0000 TONE A sine wave signal is selected.</p> <p>0001 SILNCE A silent signal is selected.</p>
762 AUD RATE CON	<p>This item enables signals to be recorded and played back without passing them through the rate converter in the audio input/output section (without engaging the digital filter).</p> <p>0000 OFF The signals are recorded and played back without passing them through the rate converter.</p> <p><u>0001</u> ON The signals are recorded and played back after passing them through the rate converter.</p> <p><Note></p> <ul style="list-style-type: none"> ● ON/OFF control is exercised at the same time for CH1 to CH8. ON or OFF cannot be set independently for each channel. ● When the rate converter is turned OFF, video input must be synchronized with the reference signal selected in [OUT REF]. (If they are not synchronized, noise may be generated.) ● In the 60 Hz mode, noise may occur if OFF is set for the rate converter.
763 METER SCALE (This menu is not displayed for AJ-HD1800E.)	<p>For selecting the scale display of the audio level meter.</p> <p>0000 PEAK 0 The audio level is displayed with 0 dB as the maximum level.</p> <p>0001 REF 0 The audio level is displayed with 0 dB as the reference level.</p> <p><Note> When FS-18 or FS-12 is selected in Setup Menu No. 776 (REF LEVEL), the system operates as PEAK-0 regardless of the settings in this menu.</p>
776 REF LEVEL	<p>For setting the standard audio level (Headroom)</p> <p>0000 FS-20 — 20 dB</p> <p><u>0001</u> FS-18* — 18 dB</p> <p>0002 FS-12 — 12 dB</p> <p>* The asterisk denotes the factory setting for AJ-HD1800E.</p>

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or the 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

The underlining () denotes the factory setting mode.

Setup menus (continued)

<AUDIO> (continued)

No./Item	Description of setting
785*1 IN IMP CH1SL	For setting the impedance of analog audio input (CH1) 0000 600 600 Ω 0001 HIGH High impedance
786*1 IN IMP CH2SL	For setting the impedance of analog audio input (CH2) 0000 600 600 Ω 0001 HIGH High impedance
787*1 IN IMP CH3SL	For setting the impedance of analog audio input (CH3) 0000 600 600 Ω 0001 HIGH High impedance

*1: This item is not displayed when the 23/24 Hz mode, 25 Hz (HD or SD) mode or 50 Hz (HD or SD) has been selected as the system menu item No.25 (SYSTEM FREQ) setting.

Audio outputs in the search mode

The table below lists the signals which are output to the monitor and main signal line and which are determined by how the settings of menu items No.738 to No.745, and No.746 and No.747 are combined.

No./Item	Description of setting
788*1 IN IMP CH4SL	For setting the impedance of analog audio input (CH4) 0000 600 600 Ω 0001 HIGH High impedance
789*1 IN IMP CUE SL	For setting the impedance of CUE input 0000 600 600 Ω 0001 HIGH High impedance
790*1 CUE REC VOL	For adjusting the recording level of the CUE audio signal. (−∞ to 0 dB to +12 dB) 0032 16 : : 0016 0 : : : : 0000 -16
791 CUE PB VOL	For adjusting the playback level of the CUE audio signal. (−∞ to 0 dB to +12 dB) 0032 16 : : 0016 0 : : : : 0000 -16

738 CH1 CUE SEL : 745 CH8 CUE SEL	746 MONI CH SEL	747 MON AUTO SEL	Monitor output		Main signal line output					
			Lch	Rch	CH1/CH3/CH5/CH7	CH2/CH4/CH6/CH8				
OFF	MANU	L/R	PCM*2	PCM*2	PCM*2	PCM*2				
		L								
		R								
	AUTO	L/R	CUE*3	CUE*3						
		L	CUE*3	PCM*2						
		R	PCM*2	CUE*3						
	PCM	L/R	PCM*4	PCM*4			PCM*5	PCM*5		
		L								
		R								
ON	MANU	L/R	PCM*2	PCM*2	PCM*2	PCM*2				
		L								
		R								
	AUTO	L/R	CUE*3	CUE*3					CUE*3	CUE*3
		L	CUE*3	PCM*2					CUE*3	PCM*2
		R	PCM*2	CUE*3					PCM*2	CUE*3
	PCM	L/R	PCM*4	PCM*4			PCM*4	PCM*4		
		L								
		R								
				PCM*5	PCM*4					

<Notes>

- *2: The PCM audio output is muted if the tape is played back at a speed in the −1.0× to +2.0× range (or at a speed in the −1.0× to +1.1× range for a format other than DVCPRO HD-LP).
- *3: In the case of the CUE audio output, the PCM signals are output if the tape is played back at a speed in the −1.0× to +2.0× range (or at a speed in the −1.0 to +1.1× range for a format other than DVCPRO HD-LP).
- *4: During fast forwarding or rewinding, the CUE signal is output automatically.
- *5: During fast forwarding or rewinding, this signal is muted.

Setup menus (continued)

<DIF>

No./Item	Description of setting
880* ¹ DIF SPEED	<p>For setting the transfer speed of the IEEE1394 digital interface output.</p> <p>0000 <u>S100</u> 100Mbps 0001 <u>S200</u> 200Mbps 0002 <u>S400</u> 400Mbps</p> <p><Note> When S100 has been selected as this item's setting, DVCPRO HD format signals cannot be input or output.</p>
882* ¹ DIF IN CH	<p>For setting the input channel.</p> <p>0000 0 : 0063 63</p> <p>The input channel is fixed at the channel corresponding to the number specified.</p> <p>0064 <u>AUTO</u> The input channel is not fixed at the channel corresponding to the number specified. The input channel is initialized to 63 when the power is turned on.</p>
883* ¹ DIF OUT CH	<p>For setting the output channel.</p> <p>0000 0 : 0063 63</p> <p>The input channel is fixed at the channel corresponding to the number specified.</p> <p>0064 <u>AUTO</u> The output channel is not fixed at the channel corresponding to the number specified. The output channel is initialized to 63 when the power is turned on.</p>
886* ¹ DIF CONFIG	<p>Menu item for expansion purposes. Normally, use DFLT as the setting.</p> <p>0000 <u>DFLT</u> 0001 1 : 0255 255</p>
890* ¹ DIF AUD OUT	<p>For setting the audio channels to which the signals from the IEEE1394 digital interface are to be output in the DV format when a DVCPRO HD tape or 50M format tape is played back or when a DV tape in 4ch mode is played by the audio signals and menu No. 891 DIF DV AUDIO is set to "LOCK48."</p> <p>0000 <u>CH1/2</u> CH1 and CH2 0001 <u>CH3/4</u> CH3 and CH4</p>
891* ¹ DIF DV AUDIO	<p>For setting forcible audio mode conversion when a DV tape is played back and the audio signals are output in the DV format.</p> <p>0000 <u>THRU</u> Normal setting (the signals simply pass through). 0001 <u>LOCK</u> Forcible conversion to the LOCK mode (no frequency conversion) 0002 <u>LOCK48</u> Forcible conversion to 48kHz/2CH/LOCK.</p>

*1 When the 23/24 Hz mode, 25 Hz (HD, SD) mode, or the 50 Hz (HD, SD) mode is selected in System Menu No. 25 (SYSTEM FREQ), this item is not displayed.

No./Item	Description of setting
892* ¹ DIF SIG CMD	<p>For setting how to reply when signals requesting a confirmation of the format is sent from an external device connected by the IEEE1394 digital interface.</p> <p>0000 <u>50M</u> DVDPRO50 is forcibly returned. 0001 <u>25M</u> DVDPRO is forcibly returned. 0002 <u>DV</u> DV is forcibly returned. 0003 <u>AUTO</u> The reply is the same format as the signal format output from the IEEE1394 digital interface.</p> <p><Note> When the unit is connected to a non-linear editing system using 50M, 25M, and DV signal format, the non-linear editing system may not operate properly. In this case, change the setting to return format information corresponding to the connected signal format in this menu and then start the system.</p>
894* ¹ HD → DIF OUT	<p>For setting the format of the signals to be output from the IEEE1394 digital interface in the EE mode, in recording or when a DVCPRO HD tape is played back.</p> <p>0000 <u>HD</u> DVCPRO HD 0001 <u>50M</u> DVCPRO50 0002 <u>DV</u> DV</p> <p><Note> When SD SDI is selected in Setup menu No. 600 (VIDEO IN SEL) and cross-conversion is provided, data will be output in the format selected in Setup menu No. 020 (SYS FORMAT) regardless of this menu selection.</p>
895* ¹ 50M → DIF OUT	<p>For setting the format of the signals to be output from the IEEE1394 digital interface when a 50M format tape is played back.</p> <p>0000 <u>50M</u> DVCPRO50 0001 <u>DV</u> DV</p> <p><Note> When DV is selected as this item's setting, the closed caption signals and time code (VITC) signals in the vertical blanking period are transmitted, but none of the other signals in the vertical blanking period are transmitted.</p>
896* ¹ 25M → DIF OUT	<p>For setting the format of the signals to be output from the IEEE1394 digital interface when a 25M format tape is played back.</p> <p>0000 <u>25M</u> DVCPRO 0001 <u>DV</u> DV</p>
899* ¹ DIF SUPER	<p>For setting whether the superimposed display is to be output from the IEEE1394 digital interface when the format is converted (from HD to 50M, from HD to DV, from 50M to DV or from 25M to DV).</p> <p>0000 <u>OFF</u> The superimposed text is not displayed. 0001 <u>ON</u> The superimposed text is displayed.</p> <p><Note> Only TCR is displayed.</p>

The underlining () denotes the factory setting mode.

Setup menus (continued)

<MENU>

No./Item	Description of setting
A02 P. ON LOAD	<p>This VTR is equipped with VTR MEMORY [C] for storing the current settings (All of the set values in the SETUP MENU, the contents of the registered items in the PF1/PF2 menu, some of the contents of the function buttons) and VTR MEMORY [1] to [4] for backing up VTR MEMORY [C]. Only the SETUP MENU of the selected VTR MEMORY [1] to [4] can be loaded and started on the VTR MEMORY [C].</p> <p>0000 OFF Operation is started using the previous settings.</p> <p>0001 USER1 The VTR MEMORY [1] data is loaded and operation started on the basis of this data.</p> <p>0002 USER2 The VTR MEMORY [2] data is loaded and operation started on the basis of this data.</p> <p>0003 USER3 The VTR MEMORY [3] data is loaded and operation started on the basis of this data.</p> <p>0004 USER4 The VTR MEMORY [4] data is loaded and operation started on the basis of this data.</p>


<Connections with Dolby-E* components>

When the VTR is to be connected to a Dolby-E encoder/decoder for recording or playing back Dolby-E data, set the audio input and output levels to UNITY, and select the following setup menu item settings.

No.303 AUD EDIT IN = CUT
 No.304 AUD EDIT OUT = CUT
 No.725 REC CH1 = CH1
 No.726 REC CH2 = CH2
 No.727 REC CH3 = CH3
 No.728 REC CH4 = CH4
 No.729 REC CH5 = CH5
 No.730 REC CH6 = CH6
 No.731 REC CH7 = CH7
 No.732 REC CH8 = CH8
 No.734 PB FADE = CUT
 No.758 JOG PROC = OFF
 No.762 AUD RATE CON = OFF

<Notes>

- Synchronize all devices in the system with the REF signal designated by the Dolby-E device.
- Dolby-E data cannot be recorded or played back in the 60 Hz mode.
- Adjust the timing with the video signals to cover the time taken by the Dolby-E component for encoding/decoding outside the VTR.
- Set the bit depth of the Dolby-E encoder/decoder to 16 bits.
- Noise will be output from the ANALOG AUDIO OUT connectors of the channels through which the Dolby-E data is passing.
- The audio level meter will deflect beyond the range of its markings for those channels through which the Dolby-E data is passing.
- Noise will be output when a tape on which Dolby-E data has been recorded is played back in the JOG or VAR mode.

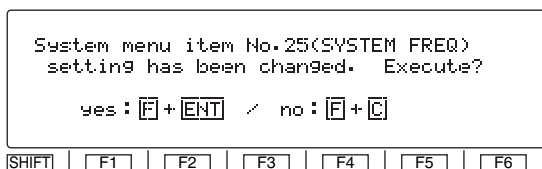
* Dolby and the Double D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

Setup menus (continued)

<How to switch the system frequency>

Follow the steps below to switch the system frequency [59/60 Hz, 50 Hz, 23/24 Hz, 25 Hz (HD) or 25 Hz (SD), 50 Hz(HD), 50 Hz(SD)].

- 1 Following the procedure for the <SETUP MENU/ SYSTEM MENU> (page 62) to change the system menu item No.25 (SYSTEM FREQ) setting.
- 2 Press **[F5]** (SET) to enter the setting, and after the function menu shown on the time code display area has been cleared, the following message appears.



- 3 To make the setting entered in step 2 valid, press the **[F5]** button while holding down the **[ENT]** button. The system is restarted, and the VTR starts operating in the selected mode.

- 4 To cancel the setting entered in step 2, press the **[C]** button while holding down the **[F5]** button. The above message is cleared, and after the changed setting has been restored to the original system menu No.25 (SYSTEM FREQ) setting, operation returns to the SYSTEM menu operation screen.

<Note>

If the system menu No.25 (SYSTEM FREQ) setting has been changed while a cassette is inserted in the VTR, the cassette is automatically ejected.

The same procedure as above is also followed when the system menu No.25 (SYSTEM FREQ) setting has been changed by loading the data from an SD memory card in accordance with the <CARD> procedure (page 71).

Note that even if the change being made to the system menu item No. 25 setting is cancelled, other system menu items affected by the change will be updated, as will the associated file names.

<Selecting the recording/playback format and sync signals which support the operation mode>

No.25 SYSTEM FREQ	Format enabling recording	Format enabling playback	Sync signals
59/60	1080/59.94i (HD_LP) 720/59.94p (HD_LP) 720/60.00p (HD_LP)	1080/59.94i (HD_LP, HD_SP) 1080/60i (HD_LP, HD_SP) 720/59.94p (HD_LP, HD_SP) 720/60.00p (HD_LP, HD_SP) 480/59.94i (50M, 25M, DV, DVCAM)	HD_REF (59.94Hz, 60Hz) SD_REF (59.94Hz) The setting selected for setup menu item No.031 (OUT REF) applies.
50i/25P	1080/50i (HD_LP) 720/50p (HD_LP)	1080/50i (HD_LP, HD_SP) 720/50p (HD_LP) 576/50i (50M, 25M, DV, DVCAM) 576/25p over 50i (50M, 25M, DV)	HD_REF (50Hz) SD_REF (50Hz) The setting selected for setup menu item No.031 (OUT REF) applies.
23/24	None	1080/23.98p over 59.94i (HD_LP) 720/23.98p over 59.94p (HD_LP/HD_SP) 720/24p over 60.00p (HD_LP/HD_SP) 480/23.98p over 59.94i [2:3 mode] 480/23.98p over 59.94i [2:3:3:2 advance mode]	HD_REF (47.96Hz, 48Hz)
25 (HD)	None	720/25p over 60p 720/24p over 60p	HD_REF (50Hz) SD_REF (50Hz) The setting selected for setup menu item No.031 (OUT REF) applies.
25 (SD)	None	720/25p over 60p	SD_REF (50Hz)
50 (HD)	None	720/50p over 60p	HD_REF (50Hz) SD_REF (50Hz) The setting selected for setup menu item No.031 (OUT REF) applies.
50 (SD)	None	720/50p over 60p	SD_REF (50Hz)

Setup menus (continued)

<Menu management accompanying switching the system frequency>

The system menu and setup menu have some items whose settings differ and other items with which no selection options are displayed and whose settings are fixed, depending on the switching of the operation mode in response to the setting selected for system menu item No.25 (SYSTEM FREQ). (Refer to the table below.)

System menu and setup menu settings

- Each of the items whose settings differ is saved in the VTR MEMORY (current file and one of the backup files 1 to 4). The settings that correspond to each operation mode will be displayed so that the settings can be performed for each operation mode.

Registration of the <PF1> and <PF2> function buttons

- When the items whose settings differ have been registered in the <PF1> and <PF2> function buttons, the settings that correspond to each operation mode will be displayed so that the settings can be performed for each operation mode.
- If items, whose selection options are not displayed due to the operation mode, have been registered in the <PF1> or <PF2> function button, when an operation mode in which these options are not displayed is selected, what has been registered is saved but the function button itself will become blank and cannot be operated. Note that the registered contents on items that are not displayed will be deleted during the following operations.
 - When the set value in Setup Menu No. 600 (VIDEO IN SEL) changes from SD SDI to another set value or from another set value to SD SDI.
 - When the set value in Setup Menu No. 650 (STYLE) changes.

<50P IN/OUT> 50-pin connector registration

- When the items whose settings differ have been registered in the <50P IN/OUT> 50-pin connector pins, the settings corresponding to the operation modes are allocated to the IN and OUT pins on the basis of the setting numbers. However, when the upper limit value is exceeded, the value will be limited to this upper limit. What has been registered is saved, but bear in mind that when the data is registered again, it is saved by overwriting the existing data so that the previously registered data will be lost.
- If items, whose selection options are not displayed due to the operation mode, have been registered in the <50P IN/OUT> 50-pin connector, when an operation mode in which these options are not displayed is selected, what has been registered is saved but no operation is possible. Note that the registered contents on items that are not displayed will be deleted during the following operations.
 - When the set value in Setup Menu No. 600 (VIDEO IN SEL) changes from SD SDI to another set value, or from another set value to SD SDI,
 - When the set value in Setup Menu No. 650 (STYLE) changes.

<Menus which are displayed>

The menus displayed differ depending on the setting selected for menu item No.25 SYSTEM FREQ.

NO.	Menu item	System menu No.25 (SYSTEM FREQ)						
		59/60	23/24	50i/25P	25 (HD)	25 (SD)	50 (HD)	50 (SD)
05	ENCODER SEL							
06	V LEVEL CTRL							
12	SYS H (HD)							
14	SYS SC (SD)							
15	VO SYS H (SD)							
16	SD SYS H (SD)							
18	SCH (SD)							
20	AV PHASE							
25	SYSTEM FREQ							
26	HD SYS H ADV		No	No	No	No	No	No
30	MENU LOCK							
000	P-ROLL TIME							
001	LOCAL ENA							
002	TAPE TIMER		No		No	No	No	No
003	REMAIN SEL							
004	SYNCRONIZE		No		No	No	No	No
005	SUPER							
006	DISPLAY SEL							
007	CHARA H-POS							
008	CHARA V-POS							
009	CHARA TYPE							
010	MONI CONTROL		No		No	No	No	No
011	CU-ROLL TIME							

Setup menus (continued)

NO.	Menu item	System menu No.25 (SYSTEM FREQ)						
		59/60	23/24	50i/25P	25 (HD)	25 (SD)	50 (HD)	50 (SD)
015	AUTO STEP							
020	SYS FORMAT		No		No	No	No	No
022	PB FORMAT							
023	FORMAT SEL							
030	HD FREQUENCY			No	No	No	No	No
031	OUT REF		No					
100	SEARCH ENA							
101	SHTL MAX							
102	FF. REW MAX							
104	REF ALARM							
105	AUTO EE SEL		No		No	No	No	No
106	EJECT EE SEL							
107	EE MODE SEL		No		No	No	No	No
108	PLAY DELAY							
109	CAP. LOCK		No		No	No	No	No
110	AUTO REW							
111	MEMORY STOP		No		No	No	No	No
112	FRZ MODE SEL							
113	REC INH		No		No	No	No	No
114	REC INH LAMP							
115	EJECT SW INH		No		No	No	No	No
116	EJECT JUMP							
118	SP MODE INH		No		No	No	No	No
119	CONFI REC		No		No	No	No	No
131	PAGE MODE							
132	ROTA MODE							
133	KEY BEEP							
134	ALARM BEEP							
140	OUTPUT		No		No	No	No	No
141	VOLUME		No		No	No	No	No
142	AUDIO UNITY		No		No	No	No	No
143	CASSTT LIGHT							
144	TC INPUT							
145	FRONT LCD							
146	SAVER DISP							
200	PARA RUN							
202	ID SEL							
204	RS232C SEL							
205	BAUD RATE							
206	DATA LENGTH							
207	STOP BIT							
208	PARITY							
209	RETURN ACK							
212	MASTER PORT							
300	IN/OUT DEL							
301	NEGA FRASH							
302	CONFI EDIT		No		No	No	No	No
303	AUD EDIT IN		No		No	No	No	No
304	AUD EDIT OUT		No		No	No	No	No
305	AUTO ENTRY							
306	CF ADJ SEL		No		No	No	No	No
307	AFTER CUE-UP							
308	VAR FWD MAX							
309	VAR REV MAX							
310	JOG FWD MAX							
311	JOG REV MAX							

Setup menus (continued)

NO.	Menu item	System menu No.25 (SYSTEM FREQ)						
		59/60	23/24	50i/25P	25 (HD)	25 (SD)	50 (HD)	50 (SD)
312	POSTROLL TM		No		No	No	No	No
313	CLICK POINT							
320	EDIT RPLCE1		No		No	No	No	No
321	EDIT RPLCE2		No		No	No	No	No
322	EDIT RPLCE3		No		No	No	No	No
323	EDIT RPLCE4		No		No	No	No	No
324	EDIT RPLCEC		No		No	No	No	No
400	STILL TIMER							
401	SRC PROTECT							
402	DRUM STDBY							
403	STOP PROTECT							
500	VITC BLANK		No		No		No	
501	VITC POS-1		No		No		No	
502	VITC POS-2		No		No		No	
503	TCG MODE		No		No	No	No	No
504	RUN MODE		No		No	No	No	No
505	TCG REGEN		No		No	No	No	No
506	REGEN MODE		No		No	No	No	No
507	TC SOURCE		No		No	No	No	No
508	BINARY GP		No		No	No	No	No
509	PHASE CORR							
510	TCG CF FLAG		No		No	No	No	No
511	DF MODE		No	No	No	No	No	No
512	TC OUT REF		No		No	No	No	No
513	VITC OUT							
514	HD EMBD VITC					No		No
515	HD EMBD LTC					No		No
516	TC OUT ADV		No		No	No	No	No
517	TCG OUT		No		No	No	No	No
600	VIDEO IN SEL		No		No	No	No	No
601	VIDEO INT SG		No		No	No	No	No
602	SDI IN MODE		No		No	No	No	No
603	V-MUTE SEL							
604	FREEZE SEL		No		No	No	No	No
605	INTERPOLATE		No		No	No	No	No
606	SD MON O SEL							
619	V_FILTER	No	No	No	No		No	No
620	DOWNCON MODE				No		No	
621	UPCON MODE				No	No	No	No
622	D/C RESP H							
623	D/C RESP V							
624	U/C RESP H				No	No	No	No
625	U/C RESP V				No	No	No	No
626	D/C ENH H							
627	D/C ENH V							
628	U/C ENH H				No	No	No	No
629	U/C ENH V				No	No	No	No
630	1080i→HD_OUT		No		No	No	No	No
632	720p→HD_OUT		No		No	No		No
636	SD→HD_OUT		No		No	No	No	No
638	IN U/C MODE		No		No	No	No	No
639	I U/C RESP H		No		No	No	No	No
640	I U/C RESP V		No		No	No	No	No
641	I U/C ENH H		No		No	No	No	No
642	I U/C ENH V		No		No	No	No	No
643	IN BLK LINE		No	No	No	No	No	No
650	STYLE							
651	HUE STYLE (SD)			No	No	No	No	No
653	Y LVL (HD)							

Setup menus (continued)

NO.	Menu item	System menu No.25 (SYSTEM FREQ)						
		59/60	23/24	50i/25P	25 (HD)	25 (SD)	50 (HD)	50 (SD)
654	Pb LVL (HD)							
655	Pr LVL (HD)							
656	BK LVL (HD)							
658	Y LVL (SD)							
659	Pb LVL (SD)							
660	Pr LVL (SD)							
661	BK LVL (SD)							
662	V LEVEL							
663	C LEVEL							
664	HUE (AJ-HD1800P)/C PHASE (AJ-HD1800E)							
665	SETUP LVL (AJ-HD1800P)/BK LVL (AJ-HD1800E)							
670	BRIGHTNESS							
671	COLOR LEVEL							
672	CONTRAST							
673	BACKLIGHT							
676	BLK CLIP			No	No	No	No	No
680	CC (F1) BLANK		No	No	No	No	No	No
681	CC (F2) BLANK		No	No	No	No	No	No
682	VO SETUP (HD) (Only AJ-HD1800P)			No	No	No	No	No
683	VO SETUP (SD) (Only AJ-HD1800P)			No	No	No	No	No
684	EDH (SD)							
685	ESR MODE (SD)			No	No	No	No	No
686	CCR MODE (SD)			No	No	No	No	No
687	SDI INDEX 0		No		No		No	
688	CC REC		No	No	No	No	No	No
689	COMP MODE		No		No	No	No	No
690	UMID REC		No		No	No	No	No
691	UMID GEN		No		No	No	No	No
692	UMID POS		No		No	No	No	No
693	GAMMA SEL							
695	BLANK LINE		No		No	No	No	No
700	CH1 IN LV		No		No	No	No	No
701	CH2 IN LV		No		No	No	No	No
702	CH3 IN LV		No		No	No	No	No
703	CH4 IN LV		No		No	No	No	No
704	CUE IN LV		No		No	No	No	No
705	CH1 OUT LV							
706	CH2 OUT LV							
707	CH3 OUT LV							
708	CH4 OUT LV							
709	CUE OUT LV							
710	MONIL OUT LV							
711	MONIR OUT LV							
712	MONI OUT							
713	CH1 IN SEL		No		No	No	No	No
714	CH2 IN SEL		No		No	No	No	No
715	CH3 IN SEL		No		No	No	No	No
716	CH4 IN SEL		No		No	No	No	No
717	CH5 IN SEL		No		No	No	No	No
718	CH6 IN SEL		No		No	No	No	No
719	CH7 IN SEL		No		No	No	No	No
720	CH8 IN SEL		No		No	No	No	No
721	D IN SEL12		No		No	No	No	No
722	D IN SEL34		No		No	No	No	No
723	D IN SEL56		No		No	No	No	No
724	D IN SEL78		No		No	No	No	No
725	REC CH1		No		No	No	No	No
726	REC CH2		No		No	No	No	No
727	REC CH3		No		No	No	No	No

Setup menus (continued)

NO.	Menu item	System menu No.25 (SYSTEM FREQ)						
		59/60	23/24	50i/25P	25 (HD)	25 (SD)	50 (HD)	50 (SD)
728	REC CH4		No		No	No	No	No
729	REC CH5		No		No	No	No	No
730	REC CH6		No		No	No	No	No
731	REC CH7		No		No	No	No	No
732	REC CH8		No		No	No	No	No
733	REC CUE		No		No	No	No	No
734	PB FADE		No		No	No	No	No
735	HD EMBD AUD							
736	SD EMBD AUD							
737	MONI MIX							
738	CH1 CUE SEL							
739	CH2 CUE SEL							
740	CH3 CUE SEL							
741	CH4 CUE SEL							
742	CH5 CUE SEL							
743	CH6 CUE SEL							
744	CH7 CUE SEL							
745	CH8 CUE SEL							
746	MONI CH SEL							
747	MON AUTO SEL							
748	MON SEL INH							
749	AUDIO PB VR		No		No	No	No	No
750	ANA CH1 SEL							
751	ANA CH2 SEL							
752	ANA CH3 SEL							
753	ANA CH4 SEL							
754	SD SDI CH1 SL							
755	SD SDI CH2 SL							
756	SD SDI CH3 SL							
757	SD SDI CH4 SL							
758	JOG PROC							
759	DV PB ATT				No	No	No	No
760	REC PT MUTE		No		No	No	No	No
761	AUDIN INT SG		No		No	No	No	No
762	AUD RATE CON							
763	METER SCALE (Only AJ-HD1800P)							
776	REF LEVEL							
785	IN IMP CH1SL		No		No	No	No	No
786	IN IMP CH2SL		No		No	No	No	No
787	IN IMP CH3SL		No		No	No	No	No
788	IN IMP CH4SL		No		No	No	No	No
789	IN IMP CUE SL		No		No	No	No	No
790	CUE REC VOL		No		No	No	No	No
791	CUE PB VOL							
880	DIF SPEED		No		No	No	No	No
882	DIF IN CH		No		No	No	No	No
883	DIF OUT CH		No		No	No	No	No
886	DIF CONFIG		No		No	No	No	No
890	DIF AUD OUT		No		No	No	No	No
891	DIF DV AUDIO		No		No	No	No	No
892	DIF SIG CMD		No		No	No	No	No
894	HD→DIF OUT		No		No	No	No	No
895	50M→DIF OUT		No		No	No	No	No
896	25M→DIF OUT		No		No	No	No	No
899	DIF SUPER		No		No	No	No	No
A02	P. ON LOAD							