

# ***Panasonic Broadcast***

## ***AJ-HD1200A*** ***Menu Information***

# Setup (initial settings)

This unit's main settings can be performed and checked using the on-screen menus which are displayed on the video monitor connected to the unit. It is also possible to perform and check the settings using the item numbers and setting numbers which are indicated on the front panel display. Furthermore, a user setting memory in which to store one set of settings is provided, enabling the desired settings to be stored for future use.

## Setting method using the on-screen menus

**1** Set the LOCAL/MENU/REMOTE switch to the MENU position.

The unit is set to the menu setting mode, and the menu screen appears on the video monitor.

SET-UP MENU	MAIN
	NO.00
* 00 SYSTEM	
000 BASIC	
100 OPERATION	
200 INTERFACE	
400 TAPE PROTECT	
500 TIME CODE	
600 VIDEO	
700 AUDIO	
A00 MENU	

In the menu setting mode, the REW, STOP, FF, SEARCH, PLAY, PAUSE/STILL and REC function buttons work as the PAGE, MENU-DOWN, MENU-UP, MODE, DATA-, DATA+ and SET buttons.

**2** Press the MENU-UP button or MENU-DOWN button to move the cursor (\*) to the menu where changes are to be made.

**3** Press the MODE button, and set the menu items.

To return to the menu screen, press the MODE button while holding down the PAGE button.

**4** Press the MENU-UP button or MENU-DOWN button to move the cursor (\*) to the item which is to be changed.

The pages can be scrolled up or down by pressing the MENU-UP button or MENU-DOWN button while holding down the PAGE button.

**5** Press the DATA+ button or DATA- button to change the setting.

**6** Press the SET button to enter the setting.

To make changes to any other items, repeat steps 4, 5 and 6.

### <Note>

The setting can be canceled by pressing the MODE button.

To change another item without entering the setting, press the MODE button, and then repeat steps 4, 5 and 6.

**7** Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.

This completes the menu setting procedure.

## Returning to the factory settings

**1** Set the LOCAL/MENU/REMOTE switch to the MENU position.

The unit is set to the menu setting mode, and the menu screen appears on the video monitor.

**2** Press the RESET button.

The unit is now set to the default setting mode, and the default setting screen now appears on the video monitor.

SELECT MODE
* 0 ESCAPE
1 LOAD
2 SAVE
3 PROTECT

## Setup (initial settings)

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- 3** Press the MENU-UP button or MENU-DOWN button to move the cursor to the LOAD position, and press the SET button.

The unit is set to the LOAD mode, and the LOAD screen appears on the video monitor.

```
SET-UP MENU   <LOAD>
               * NO
               FACTORY
               USER (ALL)
               USER (NOT SYSTEM)
```

- 4** Press the MENU-UP button or MENU-DOWN button to move the cursor to the FACTORY position, and press the SET button.

- When the cursor is moved to FACTORY and this operation is performed, all the settings except the SYSTEM menu settings are returned to the factory settings.
- When the cursor is moved to NO and this operation is performed, the display returns to the menu screen without restoring the factory settings.

- 5** Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.

This completes the menu setting procedure.

## Setting the user defaults

- 1** Set the LOCAL/MENU/REMOTE switch to the MENU position.

The unit is set to the menu setting mode, and the menu screen appears on the video monitor.

- 2** Perform the operations in steps 2 to 6 for “Setting method using the on-screen menus,” and change to the desired settings.

- 3** Press the RESET button.

The unit is now set to the default setting mode, and the default setting screen now appears on the video monitor.

```
SELECT MODE
               * 0 ESCAPE
               1 LOAD
               2 SAVE
               3 PROTECT
```

- 4** Press the MENU-UP button or MENU-DOWN button to move the cursor to the SAVE position, and press the SET button.

The unit is set to the SAVE mode, and the SAVE screen appears on the video monitor.

```
SET-UP MENU   <SAVE>
               * NO
               USER (ALL)
               USER (NOT SYSTEM)
```

- 5** Press the MENU-UP button or MENU-DOWN button to move the cursor to the USER (ALL) position, and press the SET button.

- When the cursor is moved to USER (NOT SYSTEM) and this operation is performed, all the settings except the SYSTEM menu settings are updated.
- When the cursor is moved to NO and this operation is performed, the display returns to the menu screen without updating the settings.

- 6** The screen prompting the user to confirm whether the settings are to be saved now appears. To save the settings, press the MENU-UP button or MENU-DOWN button to move the cursor to the YES position, and press the SET button.

The settings are now stored in the memory.

```
SAVE OK?
               * NO
               YES
```

- 7** Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.

This completes the menu setting procedure.

# Setup (initial settings)

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## Loading the user defaults

- 1 Set the LOCAL/MENU/REMOTE switch to the MENU position.**

The unit is set to the menu setting mode, and the menu screen appears on the video monitor.

- 2 Press the RESET button.**

The unit is now set to the default setting mode, and the default setting screen now appears on the video monitor.

```
SELECT MODE
* 0 ESCAPE
  1 LOAD
  2 SAVE
  3 PROTECT
```

- 3 Press the MENU-UP button or MENU-DOWN button to move the cursor to the LOAD position, and press the SET button.**

The unit is set to the LOAD mode, and the LOAD screen appears on the video monitor.

```
SET-UP MENU <LOAD>
* NO
  FACTORY
  USER (ALL)
  USER (NOT SYSTEM)
```

- 4 Press the MENU-UP button or MENU-DOWN button to move the cursor to the USER (ALL) position, and press the SET button.**

- When the cursor is moved to USER (NOT SYSTEM) and this operation is performed, everything except the SYSTEM menu settings operates according to the user settings stored in the memory.
- When the cursor is moved to NO and this operation is performed, the display returns to the menu screen without changing to the user settings stored in the memory.

- 5 Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.**

This completes the menu setting procedure.

## Menu protection

By setting the unit to the menu protection mode, the setup menu can no longer be opened even when the LOCAL/MENU/REMOTE switch is set to the MENU position.

- 1 Set the LOCAL/MENU/REMOTE switch to the MENU position.**

The unit is set to the menu setting mode, and the menu screen appears on the video monitor.

- 2 Press the RESET button.**

The unit is now set to the default setting mode, and the default setting screen now appears on the video monitor.

```
SELECT MODE
* 0 ESCAPE
  1 LOAD
  2 SAVE
  3 PROTECT
```

- 3 Press the MENU-UP button or MENU-DOWN button to move the cursor to the PROTECT position, and press the SET button.**

The unit is set to the menu protection setting mode, and the screen prompting the user to confirm the menu protection appears on the video monitor.

```
MENU PROTECT OK?
* NO
  YES
```

- 4 To initiate menu protection, press the MENU-UP button or MENU-DOWN button to move the cursor to the YES position, and press the SET button.**

The menu screen now appears.

# Setup (initial settings)

## 5 Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.

The unit is now set to the menu protection mode. When the LOCAL/MENU/REMOTE switch is set to the MENU position, the unit is not set to the menu setting mode, and "MENU PROTECTED" appears on the video monitor screen.

### <Note>

If, during the setting of the menu protection mode, the LOCAL/MENU/REMOTE switch is set to the MENU position while the COUNTER button on the front panel is held down, the unit is set to the menu setting mode, and the regular menu settings can be performed.

Perform steps 2 to 7 of "Setting method using the on-screen menus."

## Releasing the menu protection mode

### 1 Set the LOCAL/MENU/REMOTE switch to the MENU position while holding down the COUNTER button on the front panel.

The unit is set to the menu setting mode, and the menu screen appears on the video monitor.

### 2 Perform steps 2 and 3 of the menu protection procedure described above.

The screen prompting the user to confirm whether to initiate menu protection appears on the video monitor.

MENU PROTECT OK? * NO YES
---------------------------------

### 3 Press the MENU-UP button or MENU-DOWN button to move the cursor to the NO position, and press the SET button.

The menu protection mode is now released.

## Displaying the DIAG menu

The unit comes with a function for displaying the "hour meter," "software version" and "deck serial No." on the video monitor.

### 1 Set the LOCAL/MENU/REMOTE switch to the MENU position while holding down the EJECT button.

The unit is set to the DIAG display mode, and the hour meter and deck serial No. appear on the video monitor.

DIAG-MENU	HOURS METER	
Ser	*****	
H00	OPERATION	00000H
H01	DRUM RUN	00000H
H02	TAPE RUN	00000H
H03	THREADING	00000T
H04	F LOADING	00000T
H11	DRUM RUN r	00000H
H12	TAPE RUN r	00000H
H13	THREADING r	00000T
H14	F LOADING r	00000T

Items with "r" can be reset when the unit is serviced.

### 2 With the hour meter displayed, press the SEARCH button.

The software version appears on the video monitor.

DIAG-MENU	SOFT VERSION
SYSIF	1.**-**-*.**
AVDV	1.**-**-*.**
SERVO	1.**-**-*.**
END	

The hour meter display is restored when the SEARCH button is pressed again.

### 3 Set the LOCAL/MENU/REMOTE switch to the LOCAL or REMOTE position.

The unit is restored to its regular mode.

# Setup menus

## Menus which are displayed

The menus displayed differ depending on the setting selected for menu item No.25 [SYSTEM FREQ] and on the optional boards (AJ-YA120AG, AJ-YAD120AG) which have been installed.

No.	Superimposed display	No optional board installed		AJ-YA120AG installed					AJ-YAD120AG installed		Both optional boards installed				
		59/60	50i/25P	59/60	23/24	50i/25P	25 (HD)	25 (SD)	59/60	50i/25P	59/60	23/24	50i/25P	25 (HD)	25 (SD)
12	SYS H (HD)	No	No						No	No					
14	SYS SC (SD)	No	No						No	No					
15	VO SYS H (SD)	No	No						No	No					
16	SD SYS H (SD)	No	No						No	No					
18	SCH COAR (SD)	No	No						No	No					
19	SCH FINE (SD)	No	No						No	No					
20	AV PHASE														
25	SYSTEM FREQ														
26	HD SYS H ADV	No	No		No	No	No	No	No	No		No	No	No	
001	LOCAL ENA														
002	TAPE TIMER				No		No	No				No		No	
003	REMAIN SEL														
005	SUPER														
006	DISPLAY SEL														
007	CHARA H POS														
008	CHARA V POS														
009	CHARA TYPE														
020	SYS FORMAT		No		No	No	No	No		No		No	No	No	
022	PB FORMAT														
023	FORMAT SEL														
030	HD FREQUENCY		No			No	No	No		No			No	No	
031	OUT REF	No	No		No				No	No		No			
101	SHTL MAX														
102	FF. REW MAX														
104	REF ALARM	No	No						No	No					
106	EJECT EE SEL														
107	EE MODE SEL	No	No		No		No	No	No	No		No		No	
108	PLAY DELAY														
109	CAP LOCK				No		No	No				No		No	
110	AUTO REW														
112	FRZ MODE SEL														
114	REC INH LAMP	No	No												
115	EJECT SW INH	No	No		No		No	No				No		No	
118	SP MODE INH	No	No		No		No	No				No		No	
150	SEARCH SPEED														
152	HUMID OPE														
154	AUTO BACK	No	No		No		No	No				No		No	
160	MEMORY MODE														
161	CTL BGN/TC BGN														
162	END														
163	REPT MODE														
180	BATTERY SEL														
181	TYPE-A NEAR														
182	TYPE-A END														

# Setup menus

No.	Superimposed display	No optional board installed		AJ-YA120AG installed					AJ-YAD120AG installed		Both optional boards installed				
		59/60	50i/25P	59/60	23/24	50i/25P	25 (HD)	25 (SD)	59/60	50i/25P	59/60	23/24	50i/25P	25 (HD)	25 (SD)
183	TYPE-B NEAR														
184	TYPE-B END														
202	ID SEL														
400	STILL TIMER														
401	SRC PROTECT														
402	DRUM STDBY														
403	STOP PROTECT														
500	VITC BLANK				No		No					No		No	
501	VITC POS-1				No		No					No		No	
502	VITC POS-2				No		No					No		No	
503	TCG MODE	No	No		No		No	No				No		No	
504	RUN MODE	No	No		No		No	No				No		No	
505	TCG REGEN	No	No		No		No	No				No		No	
507	TC SOURCE	No	No		No		No	No				No		No	
508	BINARY GP	No	No		No		No	No				No		No	
509	PHASE CORR														
510	TCG CF FLAG	No	No		No		No	No				No		No	
511	DF MODE		No		No	No	No	No	No			No	No	No	
512	TC OUT REF	No	No		No		No	No				No		No	
513	VITC OUT														
514	HD EMBD VITC	No	No				No	No	No					No	
515	HD EMBD LTC	No	No				No	No	No					No	
530	TC PRESET	No	No		No		No	No				No		No	
531	UB PRESET	No	No		No		No	No				No		No	
600	VIDEO IN SEL	No	No		No		No	No	No	No		No		No	
601	VIDEO INT SG	No	No		No		No	No	No	No		No		No	
602	SDI IN MODE	No	No		No		No	No	No	No		No		No	
603	V-MUTE SEL														
604	FREEZE SEL														
615	V OUT SEL						No	No						No	
616	OUT MATRIX							No						No	
619	V_FILTER	No	No	No	No	No	No		No	No	No	No	No		
620	DOWNCON MODE						No							No	
621	UPCON V MODE	No	No				No	No	No	No				No	
626	D/C ENH H						No							No	
627	D/C ENH V						No							No	
628	U/C ENH H	No	No				No	No	No	No				No	
629	U/C ENH V	No	No				No	No	No	No				No	
630	1080i→HD_OUT	No	No		No	No	No	No	No	No		No	No	No	
632	720p→HD_OUT	No	No		No	No	No	No	No	No		No	No	No	
634	480p→HD_OUT	No	No		No	No	No	No	No	No		No	No	No	
636	480i→HD_OUT	No	No		No	No	No	No	No	No		No	No	No	
676	BLK CLIP		No			No	No	No		No			No	No	
680	CC (F1) BLANK		No		No	No	No	No		No			No	No	
681	CC (F2) BLANK		No		No	No	No	No		No			No	No	
682	VO SETUP (HD)		No		No	No	No	No		No			No	No	
683	VO SETUP (SD)		No		No	No	No	No		No			No	No	
684	EDH (SD)	No	No				No		No	No				No	
685	ESR MODE (SD)		No			No	No	No		No			No	No	
686	CCR MODE (SD)		No			No	No	No		No			No	No	

# Setup menus

No.	Superimposed display	No optional board installed		AJ-YA120AG installed					AJ-YAD120AG installed		Both optional boards installed				
		59/60	50i/25P	59/60	23/24	50i/25P	25 (HD)	25 (SD)	59/60	50i/25P	59/60	23/24	50i/25P	25 (HD)	25 (SD)
687	SDI INDEX 0	No	No		No		No		No	No		No		No	
689	COMP MODE	No	No		No	No	No	No	No	No		No	No	No	No
700	AUDIO IN SEL	No	No		No		No	No	No	No		No		No	No
701	CH1 IN LV	No	No		No		No	No	No	No		No		No	No
702	CH2 IN LV	No	No		No		No	No	No	No		No		No	No
703	CH3 IN LV	No	No		No		No	No	No	No		No		No	No
704	CH4 IN LV	No	No		No		No	No	No	No		No		No	No
706	CH1 OUT LV														
707	CH2 OUT LV														
708	CH3/L OUT LV														
709	CH4/R OUT LV														
730	REC CUE	No	No		No		No	No				No		No	No
731	PB FADE														
732	EMBEDDED AUD	No	No						No	No					
759	DV PB ATT														
760	REC PT MUTE														
762	AUD RATE CON														
765	CUE OUT SEL														
769	MONI SEL														
770	MONITOR MIX														
771	H. PHONE MIX														
780	AUD OUT SEL														
781	IN IMP SEL	No	No		No		No	No				No		No	No
880	DIF SPEED	No	No	No	No	No	No	No				No		No	No
882	DIF IN CH	No	No	No	No	No	No	No				No		No	No
883	DIF OUT CH	No	No	No	No	No	No	No				No		No	No
886	DIF CONFIG	No	No	No	No	No	No	No				No		No	No
890	DIF AUD OUT	No	No	No	No	No	No	No				No		No	No
891	DIF DV AUDIO	No	No	No	No	No	No	No				No		No	No
894	HD→DIF OUT	No	No	No	No	No	No	No				No		No	No
895	50M→DIF OUT	No	No	No	No	No	No	No				No		No	No
896	25M→DIF OUT	No	No	No	No	No	No	No				No		No	No
899	DIF SUPER	No	No	No	No	No	No	No				No		No	No
A02	P. ON LOAD														

**<Note>**

For details on menu items No.880 to 899, refer to the instructions accompanying the AJ-YAD120AG.

# Setup menus

## SYSTEM

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
12	SYS H (HD)	0000 : <u>1100</u> : 2200	-1100 : 0 : 1100	For adjusting the system phase of the HD SDI output signals (in 13.5 ns increments). -: The phase is advanced. +: The phase is delayed. <b>&lt;Note&gt;</b> The setting range is as follows: ● -1320 to 0 to 1320 when 50i/25P, 25 (HD) or 25 (SD) is selected as the SYSTEM FREQ setting ● -1375 to 0 to 1375 when 23/24 is selected as the SYSTEM FREQ setting
14	SYS SC (SD)	0000 : <u>0108</u> : 0216	-108 : 0 : 108	For adjusting the system phase of the VIDEO output and SD SDI output signals (total variable range of over ±180 degrees). -: The phase is advanced. +: The phase is delayed.
15	VO SYS H (SD)	0000 : <u>0858</u> : 1716	-858 : 0 : 858	For adjusting the system phase of the VIDEO output signals (in 37 ns increments). -: The phase is advanced. +: The phase is delayed. <b>&lt;Note&gt;</b> The setting range is -864 to 0 to 864 when 50i/25P, 25 (HD) or 25 (SD) is selected as the menu item No.25 [SYSTEM FREQ] setting.
16	SD SYS H (SD)	0000 : <u>0858</u> : 1716	-858 : 0 : 858	For adjusting the system phase of the SD SDI output signals (in 37 ns increments). -: The phase is advanced. +: The phase is delayed. <b>&lt;Note&gt;</b> The setting range is -864 to 0 to 864 when 50i/25P, 25 (HD) or 25 (SD) is selected as the menu item No.25 [SYSTEM FREQ] setting.
18	SCH COAR (SD)	<u>0000</u> 0001 0002 0003	0 90 180 270	For adjusting the SCH (sub-carrier to horizontal) phase of the VIDEO output signals (4 positions in 90-degree increments). The SC phase changes, and the H phase remains unchanged.
19	SCH FINE (SD)	0000 : <u>0032</u> : 0064	-32 : 0 : 32	For adjusting the SCH (sub-carrier to horizontal) phase of the VIDEO output signals (variable range of over ±45 degrees). The SC phase changes, and the H phase remains unchanged. A range of ±180 degrees is covered by using this setting in combination with item No.18 [SCH COAR(SD)].
20	AV PHASE	0000 : <u>0100</u> : 0200	-100 : 0 : 100	For adjusting the phase of the AUDIO output signals in relation to the VIDEO output signals (in 20.8 μs increments). -: The phase of the audio output signals is advanced in relation to the video output signals. +: The phase of the audio output signals is delayed in relation to the video output signals.

“   ” indicates the factory setting.

# Setup menus

## SYSTEM

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
25	SYSTEM FREQ	<u>0000</u> 0001 *0002  *0003  *0004	<u>59/60</u> 50i/25P  *23/24 *25 (HD)  *25 (SD)	<p>For selecting the system frequency</p> <p>0: The 59.94 Hz or 60 Hz system frequency is selected. 1: 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. 2: The 23.98 Hz or 24 Hz system frequency is selected. 3: The 25 Hz system frequency is selected. However, black signals are output from the SD SDI output and analog composite connectors. 4: The 25 Hz system frequency is selected. However, black signals are output from the HD SDI output and analog component connectors.</p> <p><b>&lt;Note&gt;</b> Merely changing this item's setting only causes the menu item to flash, and the setting itself is not reflected in the unit. To reflect a new setting in the unit, turn off the power and then turn it back on.</p>
26	HD SYS H ADV	<u>0000</u>  0001	<u>0H</u>  90H	<p>For selecting the output whose HD output phase is to be advanced by 90H in relation to the SD output.</p> <p>0: Both the HD and SD signals are output in phase with the HD and SD REF output signals. 1: 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 in-phase.</p> <p><b>&lt;Notes&gt;</b></p> <ul style="list-style-type: none"> <li>• The audio signals and TC signal are output in phase with the HD output.</li> <li>• With the 720p format, there is a phase difference of 120H between them.</li> <li>• This item's setting is fixed to "0H" when "1394" is selected as the menu item No.600 [VIDEO IN SEL] setting or when an SD format tape is being played back.</li> </ul>

\* This appears when the AJ-YA120AG (optional accessory) has been installed.

"\_\_\_" indicates the factory setting.

# Setup menus

## BASIC

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
001	LOCAL ENA	0000 <u>0001</u> 0002	DIS ST&EJ ENA	For setting the buttons on the front panel which can be operated when the LOCAL/MENU/REMOTE switch is at the REMOTE position. 0: None of the buttons can be operated. 1: Only the STOP and EJECT buttons can be operated. 2: All of the buttons with the exception of COUNTER and RESET can be operated.
002	TAPE TIMER	<u>0000</u> 0001	±12h 24h	For setting how the time is to be displayed on the CTL counter display. 0: 12-hour display 1: 24-hour display
003	REMAIN SEL	0000 <u>0001</u> 0002 0003	OFF <u>2L</u> 1L R/TTL	For setting the superimposing of the remaining tape time and/or total tape duration displays onto the VIDEO OUT2 connector. 0: No displays are superimposed. 1: The remaining tape time is displayed on the second line. 2: The remaining tape time is displayed on the first line. 3: The remaining tape time is displayed on the first line and the total tape duration on the second line. <b>&lt;Notes&gt;</b> ● The information will not be displayed when 2L is set and TIME is selected as the menu item No.006 [DISPLAY SEL] setting. ● The remaining tape time will not be displayed when R/TTL is set and TIME is selected as the menu item No.006 [DISPLAY SEL] setting.
005	SUPER	0000 <u>0001</u> 0002 *0003 *0004 *0005 *0006	OFF <u>CMPST</u> CMPNT *SDSDI *HDSDI *CPS&SD *CPN&HD	For setting the superimposing of the displays onto various connectors. 0: The displays are superimposed onto none of the output connectors. 1: The displays are superimposed onto VIDEO OUT2. 2: The displays are superimposed onto the HD component output (Y). 3: The displays are superimposed onto SD SDI OUT. 4: The displays are superimposed onto HD SDI OUT. 5: The displays are superimposed onto VIDEO OUT2 and SD SDI OUT. 6: The displays are superimposed onto the HD component output (Y) and HD SDI OUT.

### <Note>

Even when OFF is selected as the menu item No.005 [SUPER] setting, the superimposing will be displayed in accordance with what is set using menu item No.006 [DISPLAY SEL] during the menu settings. Once the menu settings are exited, the display follows the setting selected for menu item No.005 [SUPER].

\* This appears when the AJ-YA120AG (optional accessory) has been installed.

“   ” indicates the factory setting.

# Setup menus

## BASIC

Item		Setting		Description of settings																
No.	Superimposed display	No.	Superimposed display																	
006	DISPLAY SEL	0000	TIME	For setting what the information to be superimposed. 0: Only the data is displayed. ("Data" refers to the CTL, TC or UB value selected by the COUNTER button.)																
		<u>0001</u>	T&STA	1: The data and operation status are displayed.																
		0002	T&S&M	2: The data, operation status and mode are displayed.																
		0003	T&RT	3: The data and REC TIME are displayed.																
		0004	T&YMD	4: The data and REC DATE (year/month/day) are displayed.																
		0005	T&MDY	5: The data and REC DATE (month/day/year) are displayed.																
		0006	T&DMY	6: The data and REC DATE (day/month/year) are displayed.																
		0007	T&UB	7: The data and user's bit are displayed. The time code is displayed after the user's bit when the COUNTER button is set to UB.																
		0008	T&CTL	8: The data and CTL are displayed. The time code is displayed after the CTL data when the COUNTER button is set to CTL.																
		0009	T&T	9: The data and time code are displayed.																
				<b>&lt;Notes&gt;</b> <ul style="list-style-type: none"> <li>Depending on the format used, the following displays appear for the modes. <table border="0"> <thead> <tr> <th>&lt;Format&gt;</th> <th>&lt;Display&gt;</th> </tr> </thead> <tbody> <tr> <td>DVCPRO HD-LP</td> <td>➔ DVCPRO_HD-LP</td> </tr> <tr> <td>DVCPRO HD</td> <td>➔ DVCPRO_HD</td> </tr> <tr> <td>DVCPRO50</td> <td>➔ DVCPRO_50</td> </tr> <tr> <td>DVCPRO50P</td> <td>➔ DVCPRO_P</td> </tr> <tr> <td>DVCPRO</td> <td>➔ DVCPRO</td> </tr> <tr> <td>DV</td> <td>➔ DV</td> </tr> <tr> <td>DVCAM</td> <td>➔ DVCAM</td> </tr> </tbody> </table> </li> <li>When T&amp;S&amp;M is selected as the item setting, an error message is superimposed onto the display when a warning or error occurs.</li> <li>REC TIME and REC DATE are displayed only during DV or DVCAM playback. The operation mode is displayed with the DVCPRO HD-LP, DVCPRO HD, DVCPRO50, DVCPRO50P or DVCPRO format.</li> </ul>	<Format>	<Display>	DVCPRO HD-LP	➔ DVCPRO_HD-LP	DVCPRO HD	➔ DVCPRO_HD	DVCPRO50	➔ DVCPRO_50	DVCPRO50P	➔ DVCPRO_P	DVCPRO	➔ DVCPRO	DV	➔ DV	DVCAM	➔ DVCAM
<Format>	<Display>																			
DVCPRO HD-LP	➔ DVCPRO_HD-LP																			
DVCPRO HD	➔ DVCPRO_HD																			
DVCPRO50	➔ DVCPRO_50																			
DVCPRO50P	➔ DVCPRO_P																			
DVCPRO	➔ DVCPRO																			
DV	➔ DV																			
DVCAM	➔ DVCAM																			
007	CHARA H-POS	0000	0	For setting the horizontal position at which the superimposed characters are to be displayed.																
		:	:																	
		<u>0006</u>	6																	
		:	:																	
		0037	37																	
008	CHARA V-POS	0000	0	For setting the vertical position at which the superimposed characters are to be displayed.																
		:	:																	
		<u>0023</u>	23																	
		:	:																	
		0032	32																	
009	CHARA TYPE	<u>0000</u>	WHITE	For setting the superimposed display and menu display type. 0: White characters are displayed on a black background. 1: White characters with black edges are displayed.																
		0001	W/OUT																	

### <Note>

If the PAGE button and DATA+ button or DATA- button are pressed when menu items No.007 [CHARA H-POS] and No.008 [CHARA V-POS] are set, the superimposed information is displayed so that its setting can be checked.

Even while the PAGE button is pressed, the actual statuses can be checked using the DATA+ button or DATA- button.

“   ” indicates the factory setting.

# Setup menus

## BASIC

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
020	SYS FORMAT	<u>0000</u> 0001	<u>1080i</u> 720p	For setting the format in which to record or play back the signals including the HD REF signals. 0: 1080i mode 1: 720p mode
022	PB FORMAT	0000 <u>0001</u>	MANUAL <u>AUTO</u>	For setting the format in which to play back the tape. 0: The tape is played back in the format selected by the menu item No.020 [SYS FORMAT] setting. 1: The tape is played back in the format selected by the format in which the tape was recorded.
023	FORMAT SEL	<u>0000</u> 0001 0002 0003 0004 0005 0006	<u>HD-LP</u> HD-SP 422 411 420p DV DVCAM	For selecting the format when MANUAL is selected as the menu item No.022 [PB FORMAT] setting. 0: The DVCPRO HD-LP format is selected, and the format follows the menu item No.020 [SYS FORMAT] setting. 1: The DVCPRO HD format is selected, and the format follows the menu item No.020 [SYS FORMAT] setting. 2: The DVCPRO50 (422) format is selected. 3: The DVCPRO (411) format is selected. 4: The DVCPROP (420p) format is selected. 5: The DV format is selected. 6: The DVCAM format is selected.
030	HD FREQUENCY	<u>0000</u> 0001	<u>59/23</u> 60/24	For setting the field frequency. 0: The field frequency is set to 59.94/23.98 Hz. 1: The field frequency is set to 60/24 Hz. <b>&lt;Note&gt;</b> The field frequency which is set here takes effect only when there is no input which supports the OUT REF setting. If there is an input which supports the setting, the field frequency is consistent with the field frequency of input.
031	OUT REF	<u>0000</u> 0001 0002 0003	<u>AUTO</u> INPUT HD REF SD REF	For selecting the video output reference. 0: The REF signal (HD/SD) which is input to the REF connector is automatically identified and serves as the reference. If no signal is supplied to the REF connector, the HD serial input signal serves as the reference. If neither the REF input signal nor HD serial input signal is supplied, the internal sync signal serves as the reference. 1: The HD serial input signal serves as the reference. If this signal is not available, the unit's internal reference is used. 2: The HD REF input signal serves as the reference. If this signal is not available, the unit's internal reference is used. 3: The SD REF input signal serves as the reference. If this signal is not available, the unit's internal reference is used. <b>&lt;Note&gt;</b> When "1394" is selected as the menu item No.600 [VIDEO IN SEL] setting, the output picture in the E-E mode or output picture during recording may be disturbed in the vertical direction even when this item is set. However, there will be no problem with the pictures which are recorded on the tape.

"    " indicates the factory setting.

# Setup menus

## Formats for playback

Depending on how the menu item No.020 [SYS FORMAT], No.022 [PB FORMAT] and No.023 [FORMAL SEL] settings are combined, the formats of the tapes played back by the unit differ as shown in the table below.

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)
		50Mp	DVCPROP (420p)
		DV	DV
		DVCAM	DVCAM
	720p	HD-LP	DVCPRO HD-LP (720p)
		HD-SP	DVCPRO HD (720p)
		50M	DVCPRO50 (422)
		25M	DVCPRO (411)
		50Mp	DVCPROP (420p)
		DV	DV
		DVCAM	DVCAM
AUTO	If AUTO is selected as the menu item No.022 [PB FORMAT] setting, the format applying when the format is not yet detected (when the tape inserted) follows the menu item No.023 [FORMAL SEL] setting. However, if DV or DVCAM is selected, operation proceeds as if HD-LP is selected.		DVCPRO HD-LP (1080i/720p), DVCPRO HD (1080i/720p), DVCPRO50 (422), DVCPRO (411), DVCPROP (420p), DC or DVCAM format is detected automatically.

### <Notes>

- When the tape is ejected, the format follows the one selected by menu item No.020 [SYS FORMAT] setting.
- During DVCPROP playback, the format is down-converted to 480i and output.

# Setup menus

## OPERATION

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
101	SHTL MAX	0000 <u>0001</u> 0002	X8.4 <u>X16</u> X32	For setting the maximum speed in the shuttle mode when using the external controller connected to the 9-pin remote connector. 0: 8.4× normal speed 1: 16× normal speed 2: 32× normal speed <b>&lt;Note&gt;</b> The maximum speed for the HD SP mode is automatically limited to 25× normal speed.
102	FF.REW MAX	0000 0001 <u>0002</u>	X16 X32 <u>X50</u>	For setting the maximum speed of fast forward or rewind operations. 0: 16× normal speed 1: 32× normal speed 2: 50× normal speed <b>&lt;Notes&gt;</b> ● The maximum speed for the DV and DVCAM modes is automatically limited to 32× normal speed. ● The maximum speed for the HD SP mode is automatically limited to 25× normal speed.
104	REF ALARM	0000 <u>0001</u>	OFF <u>ON</u>	For setting whether a warning is to be displayed when the REF VIDEO signal is not connected. 0: No warning is displayed. 1: A warning is displayed by the flashing STOP lamp.
106	EJECT EE SEL	<u>0000</u>  0001  0002	<u>EE</u>  BLACK  GRAY	For setting the video and audio output statuses during eject. 0: Both the video and audio signals are always output in the E-E (electric modulation to electric playback) mode regardless of the position of the TAPE/EE switch. 1: The output status differs according to the position of the TAPE/EE switch. EE: The signals are output in the E-E mode. TAPE: BLACK is output for the video, and the audio is muted. 2: The output status differs according to the position of the TAPE/EE switch. EE: The signals are output in the E-E mode. TAPE: GRAY is output for the video, and the audio is muted. <b>&lt;Note&gt;</b> The EE pictures will be all black when the AJ-YA120AG (optional accessory) or AJ-YAD120AG (optional accessory) is not installed.
107	EE MODE SEL	0000 <u>0001</u>	<u>NORMAL</u> THRU	For selecting the output signals in the EE mode. 0: Signals delayed by the time taken by internal signal processing are output. 1: Signal processing is not undertaken internally, and the signals are output without delay at their original timing. <b>&lt;Note&gt;</b> The superimposed information is not displayed when THRU is used as the setting.
108	PLAY DELAY	<u>0000</u> : 0015	0 : 15	For setting the play rise time in frame increments.
109	CAP LOCK	0000 0001 <u>0002</u>	<u>2F</u> 4F 8F	For selecting in how many field increments the playback framing is to be locked. 0: 2F 1: 4F 2: 8F <b>&lt;Notes&gt;</b> ● 8F can be selected only when 50 is selected as the menu item No.25 [SYSTEM FREQ] setting. ● In the HD LP or HD SP mode, the 2F mode is selected during recording*, including follow-on recording, and playback regardless of the menu item's setting.

\* This appears when the AJ-YA120AG (optional accessory) or AJ-YAD120AG (optional accessory) has been installed.

“   ” indicates the factory setting.

# Setup menus

## OPERATION

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
110	AUTO REW	<u>0000</u> 0001	OFF ON	For setting whether the tape is to be automatically rewound to its beginning when the tape end is detected. 0: The tape is not rewound. 1: The tape is rewound to its beginning.
112	FRZ MODE SEL	<u>0000</u> 0001	DIS STBOFF	For setting the video output when the mode is transferred from playback images to standby OFF (half loading). 0: The video output is muted. 1: When the standby OFF (half loading) mode is established, the image played back at that moment is frozen and output.
114	REC INH LAMP	<u>0000</u> 0001	LIGHT FLASH	For setting the operation of the REC INHIBIT lamp when the cassette is set to the erasure prevention status. 0: The lamp lights. 1: The lamp flashes. <b>&lt;Note&gt;</b> When the REC INHIBIT switch on the front panel is set to ON, the REC INHIBIT lamp lights at all times regardless of what setting is selected for this menu item.
115	EJECT SW INH	<u>0000</u> 0001	REC OFF	For setting whether to restrict the operation of the EJECT button on the front panel. 0: Operation is inhibited while the unit is in the recording mode. 1: The EJECT button can be operated in all operation modes.
118	SP MODE INH	<u>0000</u> <u>0001</u>	OFF ON	For selecting whether to enable or disable recording on a tape which has been recorded using a format other than DVCPRO HD-LP. 0: Recording onto the cassette tape is enabled. 1: Recording onto the cassette tape is disabled.
150	SEARCH SPEED	<u>0000</u> 0001	X4.1 X8.4	For setting the search still, cue and review speed. 0: 4.1× normal tape speed 1: 8.4× normal tape speed
152	HUMID OPE	<u>0000</u> 0001	OFF ON	For setting the unit's operation when condensation has formed. 0: The unit does not operate when condensation has formed. 1: It operates even when condensation has formed but no guarantees are made that the operation will be trouble-free. <b>&lt;Note&gt;</b> Since operating the unit when condensation has formed may damage the tape or give rise to other trouble, the "0" setting (no operation) is recommended under normal circumstances.
154	AUTO BACK	<u>0000</u> <u>0001</u> 0002	OFF REC-P ALL	For setting how the follow-on recording function is to be used. (For setting the AUTO BACK function operation which rewinds the tape for several seconds in order to ensure that the video images follow on one from another with no disruptions.) 0: The tape is not rewound automatically (no AUTO BACK). 1: The tape is rewound (AUTO BACK) during REC PAUSE, and it then stops in the recording standby status. (When PAUSE is released, the tape runs up, and recording starts.) 2: In addition to the function of the 0001 REC-P setting, the tape is rewound (AUTO BACK) during REC PLAY, the tape immediately runs up, and recording starts.
160	MEMORY MODE	<u>0000</u> 0001 0002 0003	OFF M-STOP REPT1 CONT	For setting the repeat playback mode. 0: No repeat playback (normal operation). 1: The tape stops near the BEGIN point when it is fast forwarded or rewound. 2: When the tape reaches the END point, it is rewound to the BEGIN point, and stops. 3: When the tape reaches the END point, it is rewound to the BEGIN point, and plays back, and this is done repeatedly.

“    ” indicates the factory setting.

# Setup menus

## OPERATION

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
161	CTL BGN or TC BGN			For setting the BEGIN point in the repeat playback mode. Either TC or CTL is set as the counter display mode using the COUNTER button. If no mode is set, -- : -- : -- : -- appears, and the tape start serves as the BEGIN point.
162	END			For setting the END point in the repeat playback mode. Either TC or CTL is set as the counter display mode using the COUNTER button. If no mode is set, -- : -- : -- : -- appears, and the tape end serves as the END point.
163	REPT MODE	<u>0000</u> 0001 0002	<u>FREEZE</u>  BLACK SW	For setting what images are to be output while the tape returns to the BEGIN point in the repeat playback mode. 0: The tape returns to the BEGIN point with the image played back at the END point still frozen. 1: The tape returns to the BEGIN point while the screen remains black. 2: The tape returns to the BEGIN point following the setting selected by the TAPE/EE switch. <b>&lt;Note&gt;</b> If the tape end is set as the END point when "0:FREEZE" is selected, the playback image will not be frozen properly. Set the END point to a place within the range where images are recorded.
180	BATTERY SEL	<u>0000</u> 0001 0002 0003 0004 0005 0006	<u>NiCd12</u> NiCd13 NiCd14 S-LION I-LION TYPE-A TYPE-B	For setting the type of battery. 0: 12 V-type battery 1: 13 V-type battery 2: 14 V-type battery 3: Setting for using the BP-L90A lithium-ion battery. 4: Setting for using the ENDURA80 lithium-ion battery. 5: Setting for using the battery selected by the menu item No.181 [TYPE-A NEAR] item and No.182 [TYPE-A END] item 6: Setting for using the battery selected by the menu item No.183 [TYPE-B NEAR] item and No.184 [TYPE-B END] item
181	TYPE-A NEAR	<u>0000</u> : 0044	<u>10.6</u> : 15.0	For setting (in increments of 0.1 V) the voltage level at which the counter flashes as warning for TYPE-A battery (selected as the menu item No.180 [BATTERY SEL] item). <b>&lt;Note&gt;</b> When this item has been set to a voltage level close to 15.0 V, the counter display may flash even when an AC power source is being used.
182	TYPE-A END	<u>0000</u> : 0034	<u>10.6</u> : 14.0	For setting (in increments of 0.1 V) the voltage level at which the TYPE-A battery (selected as the menu item No.180 [BATTERY SEL] item) is to be automatically turned off.
183	TYPE-B NEAR	<u>0000</u> : 0044	<u>10.6</u> : 15.0	For setting (in increments of 0.1 V) the voltage level at which the counter flashes as warning for TYPE-B battery (selected as the menu item No.180 [BATTERY SEL] item). <b>&lt;Note&gt;</b> When this item has been set to a voltage level close to 15.0 V, the counter display may flash even when an AC power source is being used.
184	TYPE-B END	<u>0000</u> : 0034	<u>10.6</u> : 14.0	For setting (in increments of 0.1 V) the voltage level at which the TYPE-B battery (selected as the menu item No.180 [BATTERY SEL] item) is to be automatically turned off.

“   ” indicates the factory setting.

# Setup menus

## INTERFACE

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
202	ID SEL	0000 <u>0001</u> 0002	OTHER <u>DVCPRO</u> ORIG	<p>For setting the ID information to be returned to the controller.</p> <p>0: The ID information of the VTR other than DVCPRO is set.</p> <p>1: The DVCPRO ID information is set.</p> <p>2: Set this only when the unit is connected to a Panasonic controller (such as the AJ-A900, optional accessory).</p> <p><b>&lt;Note&gt;</b> Select 1 (DVCPRO) or 2 (ORIG) if "23/24," "25(HD)" or "25(SD)" is selected as the menu item No.25 [SYSTEM FREQ] setting.</p>

## TAPE PROTECT

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
400	STILL TIMER	0000 0001 0002 0003 0004 0005 0006 0007 <u>0008</u>	0.5S 5S 10S 20S 30S 40S 50S 1min 2min	<p>For setting the time to be taken before the unit is set in the tape protection mode when it is left standing in the STOP or STILL status.</p> <p>(Units: S = seconds, min = minutes)</p> <p><b>&lt;Note&gt;</b> When a DV or DVCAM tape is used, any setting above 2 (10S) will result in a setting time of 10 seconds.</p>
401	SRC PROTECT	<u>0000</u> 0001	<u>STEP</u> HALF	<p>For setting the operation to be performed in the tape protection mode when the unit is left standing in the STILL status.</p> <p>0: STEP FWD 1: Standby OFF (half loading)</p> <p><b>&lt;Note&gt;</b> If STEP FWD is selected, the unit is automatically transferred to the standby OFF (half loading) mode when the unit is left standing in the STILL mode for a total of 30 minutes (or 1 minute for DV or DVCAM tape).</p>
402	DRUM STDBY	0000 <u>0001</u>	OFF <u>ON</u>	<p>For setting the cylinder operation in the standby OFF (half loading) mode.</p> <p>0: The cylinder stops rotating. 1: The cylinder continues to rotate.</p>
403	STOP PROTECT	0000 <u>0001</u>	<u>STEP</u> HALF	<p>For setting the operation to be performed in the tape protection mode when the unit is left standing in the STOP status.</p> <p>0: STEP FWD 1: Standby OFF (half loading)</p> <p><b>&lt;Note&gt;</b> When STEP FWD is selected, the unit is automatically transferred to the standby OFF (half loading) mode when the unit is left standing in the STOP mode for a total of 30 minutes (or 1 minute for DV or DVCAM tape).</p>

“    ” indicates the factory setting.

# Setup menus

## TIME CODE

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
500	VITC BLANK	0000 <u>0001</u>	BLANK THRU	For setting whether to output the VITC signal at the position which is set using menu items No.501 [VITC POS-1] and No.502 [VITC POS-2]. 0: The VITC signal is not output. 1: The VITC signal is output. <Note> This setting takes effect only with the SD output (VIDEO output and SD SDI output).
501	VITC POS-1	0000 : <u>0006</u> : 0010	10L : <u>16L</u> : 20L	For setting the position where the VITC signal is to be inserted. <Notes> ● The same line as the one selected by menu item No.502 [VITC POS-2] cannot be selected. ● If 50i/25P is selected as the menu item No.25 [SYSTEM FREQ] setting, the setting range is lines 7L to 11L to 22L. ● This setting takes effect only with the SD output (VIDEO output and SD SDI output).
502	VITC POS-2	0000 : <u>0008</u> : 0010	10L : <u>18L</u> : 20L	For setting the position where the VITC signal is to be inserted. <Notes> ● The same line as the one selected by menu item No.501 [VITC POS-1] cannot be selected. ● If 50i/25P is selected as the menu item No.25 [SYSTEM FREQ] setting, the setting range is lines 7L to 13L to 22L. ● This setting takes effect only with the SD output (VIDEO output and SD SDI output).
503	TCG MODE	0000 0001 <u>0002</u>	REGEN PRE <u>AUTO</u>	For setting the synchronization of the internal time code generator. 0: The time code which is read from the tape by the time code reader is used. 1: The mode can be preset using the controls on the operation panel or the remote controller. 2: REGEN or PRE is automatically selected depending on the operation mode. Follow-on recording mode: REGEN is selected. All other modes: PRE is selected.
504	RUN MODE	<u>0000</u> 0001	<u>REC</u> FREE	For setting the operation mode in which the internal time code generator runs. 0: The generator runs only while recording is in progress. 1: The generator runs while the power is on regardless of the unit's operation mode.
505	TCG REGEN	<u>0000</u> 0001 0002	<u>TC&amp;UB</u> TC UB	For setting the signal to be regenerated when the TCG (time code generator) is in the regeneration mode. 0: Both the time code and user's bit are regenerated. 1: Only the time code is regenerated. 2: Only the user's bit is regenerated.
507	TC SOURCE	<u>0000</u> 0001 0002  0003	<u>INT</u> EXT L SLTC  SVITC	For selecting the time code to be used when an external time code is used. 0: The internal time code generator is used. 1: The LTC information of the TIME CODE IN connector is used. 2: The LTC information added to the serial signals which are supplied to the HD SDI IN connector is used. 3: The VITC information added to the serial signals which are supplied to the HD SDI IN connector is used. <Notes> ● When a setting other than INT has been selected for this menu item, the user's bit of the LTC and VITC which is output during recording may be output with a delay of 1 frame from the time code. ● When "1394" is selected as the menu item No.600 [VIDEO IN SEL] setting and a setting other than INT is selected for TC SOURCE, the time code which is input to the DV connector is used. At this time, the VITC information will not be superimposed onto the video signal output when recording is performed or the E-E mode is established. The LTC information and VITC information are not superimposed onto the HD serial output signals.

“    ” indicates the factory setting.

# Setup menus

## TIME CODE

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
508	BINARY GP	<u>0000</u> 0001 0002 0003 0004 0005 0006 0007	<u>000</u> 001 010 011 100 101 110 111	For setting the usage status for the user's bit of the time code generated by the TCG. 0: No character set specified 1: 8-bit character set complying with the ISO646 and ISO2022 standards 2: Undefined 3: Undefined 4: Undefined 5: Page/line 6: Undefined 7: Undefined
509	PHASE CORR	<u>0000</u> 0001	<u>OFF</u> ON	For setting whether to control the phase correction of the LTC output during playback. 0: The phase correction is not controlled. 1: The phase correction is controlled.
510	TCG CF FLAG	<u>0000</u> 0001	<u>OFF</u> ON	For selecting whether to set the CF flag of the TCG to ON. 0: The CF flag is set to OFF. 1: The CF flag is set to ON.
511	DF MODE	<u>0000</u> 0001	<u>DF</u> NDF	For selecting whether to use the DF or NDF mode for CTL and TCG. 0: The drop frame (DF) mode is used. 1: The non-drop frame (NDF) mode is used.
512	TC OUT REF	<u>0000</u> 0001	<u>VOUT</u> TC_IN	For setting the signal to be used as the reference for aligning the phase of the time code which is output from the TC OUT connector with the phase of the external TC input signal when a setting other than INT is selected as the menu item No.507 [TC SOURCE] setting. (In EE mode only) 0: The output video signal is used as the reference. 1: The external time code input signal is used as the reference.
513	VITC OUT	<u>0000</u> 0001	<u>SBC</u> VAUX	For selecting how to output the VITC signal which is superimposed onto the output video signal. 0: In the playback mode, the time code recorded in the SBC area is output. 1: In the playback mode, the time code recorded in the VAUX area is output. <b>&lt;Note&gt;</b> ● The VITC information which is detected by the HD serial input is automatically recorded in the VAUX area when the images are recorded. ● When "23/24," "25(HD)" or "25(SD)" is selected as the menu item No.25 [SYSTEM FREQ] setting and VAUX is selected as the VITC OUT setting, the time code which is output may not be continuous.
514	HD EMBD VITC	<u>0000</u> 0001	<u>OFF</u> ON	For selecting whether to superimpose the VITC information onto the HD serial output. 0: The VITC information is not superimposed. 1: The VITC information is superimposed.
515	HD EMBD LTC	<u>0000</u> 0001	<u>OFF</u> ON	For selecting whether to superimpose the LTC information onto the HD serial output. 0: The LTC information is not superimposed. 1: The LTC information is superimposed.
530	TC PRESET			For setting the time code of the internal TCG. 00000000 to 23595929 Selection range of 00000000 to 23595924 when 50i/25P is selected as the menu item No.35 [SYSTEM FREQ] setting
531	UB PRESET			For setting the user's bit of the internal TCG. 00000000 to FFFFFFFF

"    " indicates the factory setting.

# Setup menus

## VIDEO

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
600	VIDEO IN SEL	0000 0001 0002	INTSG HSDSI 1394	For selecting the video signals to be input. 0: The internal signal selected by VIDEO INT SG is generated. 1: The serial video signal supplied to the HD SDI IN connector is selected. 2: The compressed digital signals supplied to the DV connector are selected. When this happens, the audio input signals will also be supplied from the DV connector (digital video interface). <Notes> ● This item's setting cannot be changed while a tape is being played back. ● When 1394 is selected as this item's setting, "1080i" is selected as the menu item No.630 [1080i→HD_OUT] setting and "720p" is selected as the menu item No.632 [720p→HD_OUT] setting.
601	VIDEO INT SG	0000 0001 0002 0003 0004 0005	100%CB 75%CB SMPTE BLACK PLL EQ	For selecting the type of internal signal. 0: A 100% color bar signal is selected. 1: A 75% color bar signal is selected. 2: An SMPTE color bar signal is selected. 3: A black signal is selected. 4: The PLL signal is selected. (This signal is used for the adjustments performed before the unit was shipped from the factory.) 5: The EQ signal is selected. (This signal is used for the adjustments performed before the unit was shipped from the factory.)
602	SDI IN MODE	0000 0001	DR OFF DR ON	For selecting how to process the serial input. 0: The 8 higher bits whose two lower bits have been rounded off are recorded. 1: The dynamically rounded 8 higher bit signal is recorded.
603	V-MUTE SEL	0000 0001 0002 0003	N MUTE GRAY BLACK NOISE	For setting whether to mute the video output signal when a blank part of the tape is detected during playback. 0: The video output signal is not muted. (It is frozen.) 1: The video output signal is muted and turned gray. 2: The video output signal is muted and turned black. 3: The video output signal is muted and turned into noise.
604	FREEZE SEL	0000 0001	FIELD FRAME	For selecting the freeze mode of the still pictures and the slow play mode. 0: Field freeze, field slow 1: Frame freeze, frame slow
615	V OUT SEL	0000 0001	CMPNT CMPST	For selecting what signals are to be output from the VIDEO OUT1 output connector. 0: The HD component signals are output. 1: Composite signals are output.
616	OUT MATRIX	0000 0001	YPbPr RGB	For selecting what signals are to be output from the HD component output connector. 0: The YPBPR signals are output. 1: The RGB signals are output.
619	V_FILTER	0000 0001	FLD FRM	This is used to select the method to process the images using the vertical filter during down-conversion. 0: The images are processed by field basis. 1: The images are processed by frame basis. <Note> When "FRM" has been selected, the resolution is improved, but the images may flicker.
620	DOWNCON MODE	0000 0001 0002	FIT_V FIT_H FIT_HV	For setting the image processing during down-conversion. 0: Side cut mode 1: Letter-box mode 2: Squeeze mode

"\_\_\_" indicates the factory setting.

# Setup menus

## VIDEO

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
621	UPCON V MODE	<u>0000</u> 0001 0002	<u>FIT_V</u> <u>FIT_H</u> FIT_HV	For setting the image processing during up-conversion. 0: Side panel mode 1: Top and bottom cut-off in vertical direction 2: Stretch mode
626	D/C ENH H	<u>0000</u> 0001	0dB <u>+1dB</u>	For enhancing the horizontal outlines during down-conversion. 0: 0dB 1: +1dB
627	D/C ENH V	<u>0000</u> 0001	0dB <u>+1dB</u>	For enhancing the vertical outlines during down-conversion. 0: 0dB 1: +1dB
628	U/C ENH H	<u>0000</u> 0001	0dB <u>+1dB</u>	For enhancing the horizontal outlines during up-conversion. 0: 0dB 1: +1dB
629	U/C ENH V	<u>0000</u> 0001	0dB <u>+1dB</u>	For enhancing the vertical outlines during up-conversion. 0: 0dB 1: +1dB
630	1080i→HD_OUT	<u>0000</u> 0001	<u>1080i</u> 720p	For selecting the HD output signal format during 1080i tape playback or in the 1080i EE mode. 0: 1080i 1: 720p <b>&lt;Notes&gt;</b> ● This item's setting cannot be changed while a tape is being recorded or while the recording pause mode is established. ● When 720p is selected as this item's setting, no signals are output from the DV connector. If "1394" is selected as the menu item No.600 [VIDEO IN SEL] setting, "HSDSI" is established as the VIDEO IN SEL setting.
632	720p→HD_OUT	<u>0000</u> 0001	1080i <u>720p</u>	For selecting the HD output signal format during 720p tape playback or in the 720p EE mode. 0: 1080i 1: 720p <b>&lt;Notes&gt;</b> ● This item's setting cannot be changed while a tape is being recorded or while the recording pause mode is established. ● When 1080i is selected as this item's setting, no signals are output from the DV connector. If "1394" is selected as the menu item No.600 [VIDEO IN SEL] setting, "HSDSI" is established as the VIDEO IN SEL setting.
634	480p→HD_OUT	<u>0000</u> 0001	<u>1080i</u> 720p	For selecting the HD output signal format during 480p tape (DVCPRO50P) playback. 0: 1080i 1: 720p
636	480i→HD_OUT	<u>0000</u> 0001	<u>1080i</u> 720p	For selecting the HD output signal format during 480i tape (DVCPRO50, DVCPRO, DV or DVCAM) playback. 0: 1080i 1: 720p
676	BLK CLIP	<u>0000</u> 0001	<u>OFF</u> ON	For setting whether to clip what is below the pedestal level for the Y (luminance) signal of VIDEO OUT and SD OUT. 0: What is below the pedestal level is not clipped. 1: What is below the pedestal level is clipped.

"\_" indicates the factory setting.

# Setup menus

## VIDEO

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
680	CC (F1) BLANK *DW	0000 <u>0001</u>	BLANK THRU	For selecting ON or OFF for the closed caption signal in the first field. 0: Forced blanking 1: No blanking
681	CC (F2) BLANK *DW	0000 <u>0001</u>	BLANK THRU	For selecting ON or OFF for the closed caption signal in the second field. 0: Forced blanking 1: No blanking
682	VO SETUP (HD) *UP	0000 <u>0001</u> 0002 0003	THRU ADD22L ADD21L ADD20L	This selects the composite output signal in HD mode. 0: The signal is output with no setup added. 1: The signal is output from line 22 with a 7.5% setup added. 2: The signal is output from line 21 with a 7.5% setup added. 3: The signal is output from line 20 with a 7.5% setup added.
683	VO SETUP (SD) *DW	0000 <u>0001</u> 0002 0003	THRU ADD22L ADD21L ADD20L	This selects the composite output signal in SD mode. 0: The signal is output with no setup added. 1: The signal is output from line 22 with a 7.5% setup added. 2: The signal is output from line 21 with a 7.5% setup added. 3: The signal is output from line 20 with a 7.5% setup added.
684	EDH (SD) *DW	0000 <u>0001</u>	OFF ON	For setting whether to superimpose EDH onto the SD SDI output. 0: EDH is not superimposed. 1: EDH is superimposed.
685	ESR MODE (SD) *DW	0000 <u>0001</u>	OFF AUTO	For selecting the mode of the edge subcarrier reduction (ESR) operation in the playback circuit. 0: ESR is forcibly turned off. 1: ESR is automatically set to ON or OFF depending on the unit's operation.
686	CCR MODE (SD) *DW	<u>0000</u> 0001	OFF AUTO	For selecting the cross color processing during playback. 0: The cross color is output as is. 1: The cross color can be reduced.
687	SDI INDEX 0 *DW	<u>0000</u> 0001	OFF ON	For selecting whether to superimpose the VIDEO INDEX signal onto the SD SDI output. 0: The VIDEO INDEX signal is not superimposed onto the SD SDI output. 1: The VIDEO INDEX signal is superimposed onto the SD SDI output.
689	COMP MODE	<u>0000</u> 0001	NORMAL DARK	This is used to select the method to process the image compression during recording. 0: The images are recorded using the regular compression processing. 1: The images are recorded while minimizing the compressed image distortion which arises in the dark areas below about 10 IRE (70 mV). <b>&lt;Notes&gt;</b> ● This setting is valid when recording in the 720p mode. ● <b>Even when "DARK" has been selected, the "NORMAL" setting will be restored when the unit's power is turned off. "NORMAL" is also restored as the user default setting.</b>

**<Notes>**

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

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

“    ” indicates the factory setting.

# Setup menus

## AUDIO

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
700	AUDIO IN SEL	0000 0001 0002	INTSG ANA SDI	For setting the audio signal input (in all the channels simultaneously). 0: The internal signal is generated. 1: The input is fixed to analog signals. 2: The input is fixed to SDI signals. <Notes> • The input signals of the channels when analog signals are supplied are recorded onto the audio tracks below on the tape. CH1 input → CH1 and CH5 track CH2 input → CH2 and CH6 track CH3 input → CH3 and CH7 track CH4 input → CH4 and CH8 track • When "1394" is selected as the menu item No.600 [VIDEO IN SEL] setting, the audio input signals will also be supplied from the DV connector (digital video interface).
701	CH1 IN LV	0000 0001 0002 0003	4dB 0dB -20dB -60dB	For setting the reference level of the analog audio input (CH1).
702	CH2 IN LV	0000 0001 0002 0003	4dB 0dB -20dB -60dB	For setting the reference level of the analog audio input (CH2).
703	CH3 IN LV	0000 0001 0002 0003	4dB 0dB -20dB -60dB	For setting the reference level of the analog audio input (CH3).
704	CH4 IN LV	0000 0001 0002 0003	4dB 0dB -20dB -60dB	For setting the reference level of the analog audio input (CH4).
706	CH1 OUT LV	0000 0001 0002	4dB 0dB -20dB	For setting the reference level of the analog audio output (CH1).
707	CH2 OUT LV	0000 0001 0002	4dB 0dB -20dB	For setting the reference level of the analog audio output (CH2).
708	CH3/L OUT LV	0000 0001 0002	4dB 0dB -20dB	For setting the reference level of the analog audio output (CH3).
709	CH4/R OUT LV	0000 0001 0002	4dB 0dB -20dB	For setting the reference level of the analog audio output (CH4).

"\_\_" indicates the factory setting.

# Setup menus

## AUDIO

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
730	REC CUE	0001 0002 0003 0004 0005 0006 0007 0008 <u>0009</u> 0010 0011 0012 0013	CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8 CH1+2 CH3+4 CH5+6 CH7+8 CH1~8	For setting the input signal to be recorded on the CUE track. 1: Audio input CH1 signal 2: Audio input CH2 signal 3: Audio input CH3 signal 4: Audio input CH4 signal 5: Audio input CH5 signal 6: Audio input CH6 signal 7: Audio input CH7 signal 8: Audio input CH8 signal 9: Audio input CH1 + CH2 mixed signal 10: Audio input CH3 + CH4 mixed signal 11: Audio input CH5 + CH6 mixed signal 12: Audio input CH7 + CH8 mixed signal 13: Audio input CH1 through CH8 mixed signal
731	PB FADE	<u>0000</u> 0001 0002	AUTO CUT FADE	For setting the processing for the audio edit points (IN point, OUT point) and follow-on recording point during playback. 0: The processing follows the status established during recording. 1: Cut processing is forcibly performed. 2: Fade processing is forcibly performed.
732	EMBEDDED AUD	0000 <u>0001</u>	OFF ON	For setting whether to superimpose audio data onto the HD SDI output and SD SDI output. 0: The audio data is not superimposed. 1: The audio data is superimposed.
759	DV PB ATT	0000 <u>0001</u>	OFF ON	For selecting the audio output level during DV format playback. 0: The audio output level is not attenuated. 1: The audio output level is attenuated.
760	REC PT MUTE	<u>0000</u> 0001	OFF ON	For selecting whether to mute the sound at the joins in the recording during DV or DVCAM format playback. 0: The sound is not muted. 1: The sound is muted.
762	AUD RATE CON	0000 <u>0001</u>	OFF ON	For setting whether the tape is to be played back without passing the signals through the rate converter (without activating the digital filter) in the digital audio output unit. 0: The tape is played back without passing the signals through the rate converter. 1: The signals are passed through the rate converter, and the tape is played back. <b>&lt;Notes&gt;</b> <ul style="list-style-type: none"> <li>In modes other than the 60 Hz mode, the signals are not passed through the rate converter regardless of this menu item's setting.</li> <li>ON/OFF control is exercised for channels 1 through 8 at the same time. Separate settings cannot be performed on a channel by channel basis.</li> </ul>
765	CUE OUT SEL	<u>0000</u> 0001	OFF ON	For setting whether to output the analog CUE signal to the audio output (main line). 0: The analog CUE signal is not output. During playback, PCM sound is output; in all other modes, no sound is output. 1: The analog CUE signal is output. During playback, PCM sound is output; in all other modes, the analog CUE signal is output.
769	MONI SEL	<u>0000</u> 0001	PLY PCM PLY CUE	For setting the monitor output sound during playback. 0: PCM sound is output. 1: CUE sound is output.

“   ” indicates the factory setting.

# Setup menus

## AUDIO

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
770	MONITOR MIX	<u>0000</u> 0001	<u>STEREO</u> CH1+2	For setting the audio monitor output sound. (This functions when the audio monitor selector switch on the front panel is at the ST position.) 0: The sound is output in stereo. 1: Mixed sound is output (to both the left and right connectors).
771	H.PHONE MIX	<u>0000</u> 0001	<u>STEREO</u> CH1+2	For setting the headphone output sound. (This functions when the audio monitor selector switch on the front panel is at the ST position.) 0: The sound is output in stereo. 1: Mixed sound is output (when a monaural earphone is used).
780	AUD OUT SEL	<u>0000</u>  0001  0002	<u>LINE</u>  CH1/2  CH3/4	For setting the sound to be output from the analog audio output connectors. 0: All the output connectors are used as the main line output. CH1 connector = CH1 sound CH2 connector = CH2 sound CH3 connector = CH3 sound CH4 connector = CH4 sound 1: The CH1 and CH2 output connectors are used as the main line output, and the CH3 and CH4 output connectors are used as the monitor output connectors. CH1 connector = CH1 sound CH2 connector = CH2 sound CH3 connector = Monitor L (CH1, CH2, CH1+CH2) sound CH4 connector = Monitor R (CH1, CH2, CH1+CH2) sound 2: The CH1 and CH2 output connectors are used as the main line output, and the CH3 and CH4 output connectors are used as the monitor output connectors. CH1 connector = CH3 sound CH2 connector = CH4 sound CH3 connector = Monitor L (CH3, CH4, CH3+CH4) sound CH4 connector = Monitor R (CH3, CH4, CH3+CH4) sound
781	IN IMP SEL	<u>0000</u> 0001	600 <u>HIGH</u>	For setting the analog audio input impedance. 0: 600 Ω 1: High impedance <b>&lt;Note&gt;</b> Regardless of this setting, the impedance is set to 3 kΩ when -60 dB is selected as the menu item No.701 to 704 [CH1-4 IN LV] settings.

## MENU

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
A02	P.ON LOAD	<u>0000</u> 0001	<u>OFF</u> ON	For setting whether to change the setup menu settings to the user initial settings when the power is turned on. 0: The settings are not changed. 1: The settings are changed.

“   ” indicates the factory setting.

# Setup menus

**DIF** (This menu appears only when the AJ-YAD120AG board is installed.)

Item		Setting		Description of settings
No.	Superimposed display	No.	Superimposed display	
880	DIF SPEED	0000 0001 0002	S100 S200 S400	For setting the transfer speed of the digital video interface output. 0: 100 Mbps 1: 200 Mbps 2: 400 Mbps <b>&lt;Note&gt;</b> When S100 has been selected as this item's setting, DVCPRO HD format signals cannot be input or output.
882	DIF IN CH	0000 : 0063 0064	0 : 63 AUTO	For setting the input channel. 0 to 63: The input channel is fixed at the channel corresponding to the number specified. 64: 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.
883	DIF OUT CH	0000 : 0063 0064	0 : 63 AUTO	For setting the output channel. 0 to 63: The output channel is fixed at the channel corresponding to the number specified. 64: 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.
886	DIF CONFIG	0000 0001 : 0255	DFLT 1 : 255	Menu item for expansion purposes. Normally, use DFLT as the setting.
890	DIF AUD OUT	0000 0001	CH1/2 CH3/4	For setting the audio channels to which the signals from the digital video interface are to be output in the DV format when a DVCPRO HD tape or 50M format tape is played back. 0: CH1 and CH2 1: CH3 and CH4
891	DIF DV AUDIO	0000 0001 0002	THRU LOCK LOCK48	For setting forcible audio mode conversion when a DV tape is played back and the audio signals are output in the DV format. 0: Normal setting (the signals simply pass through). 1: Forcible conversion to the LOCK mode (no frequency conversion) 2: Forcible conversion to 48kHz/2CH/LOCK.
894	HD→DIF OUT	0000 0001 0002	HD 50M DV	For setting the format of the signals to be output from the digital video interface when a DVCPRO HD tape is played back or the E-E mode is established (while the AJ-YA120AG board is installed). 0: DVCPRO HD 1: DVCPRO50 2: DV
895	50M→DIF OUT	0000 0001	50M DV	For setting the format of the signals to be output from the digital video interface when a 50M format tape is played back. 0: DVCPRO50 1: DV <b>&lt;Note&gt;</b> 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.
896	25M→DIF OUT	0000 0001	25M DV	For setting the format of the signals to be output from the digital video interface when a 25M format tape is played back. 0: DVCPRO 1: DV
899	DIF SUPER	0000 0001	OFF ON	For setting whether the superimposed display is to be output from the digital video interface when the format is converted (from HD to 50M, from HD to DV or from 50M to DV). 0: The superimposed text is not displayed. 1: The superimposed text is displayed.

**<Notes>**

The following settings are recommended when a format other than DVCPRO HD is selected as the format of the signals to be output and an external unit is connected to the DV connector.

- Menu item No.022 [PB FORMAT]: MANUAL
- Menu item No.023 [FORMAT SEL]: Format of the tape inserted in the unit

“    ” indicates the factory setting.