Panasonic Broadcast

AJ-SD255
Menu Information

Setup (initial settings)

The unit's main settings are performed while making selections using a menu-driven system.
When a TV monitor is connected to the VIDEO MON connector on the unit's rear panel, the setup menus will appear on the TV monitor.

(2) (3)

(1) (5)
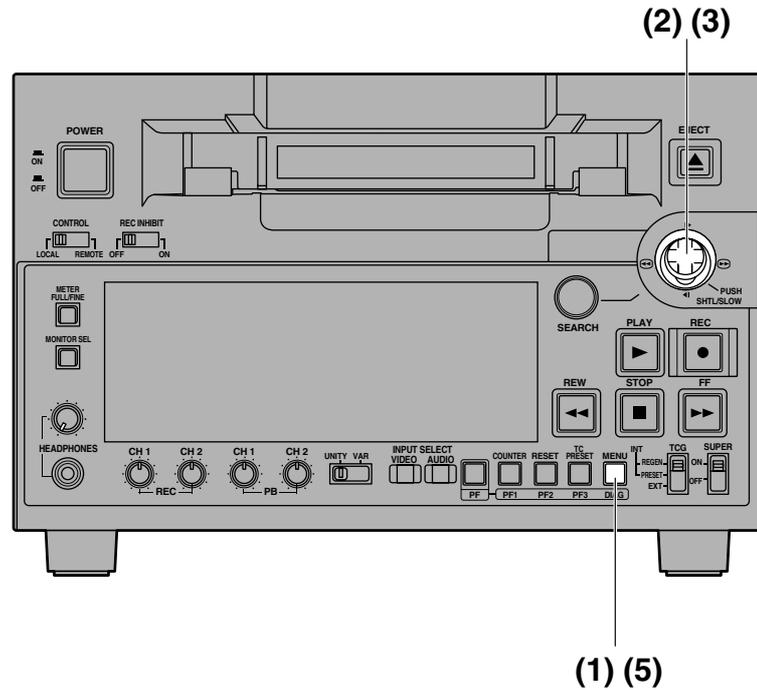
■Changing the settings

(1) Press the MENU button.

The setup menu screen appears on the TV monitor, and the setup menu item number appears on the counter display.

When the FF button is pressed for about 1.5 seconds, the name of the setup menu item is displayed on the counter display. When the same button is pressed again for about 1.5 seconds, the original item No. display is restored.

(If a setup was performed previously, the screen on which the last change was made is displayed.)

(2) Incline the joystick upward or downward to select the item to be set.

The cursor (✻) on the menu screen moves, and the item number on the display flashes.

• When the FF or REW button is pressed while holding down the PLAY button, what is on the display is replaced with the next or previous major item.

(3) Incline the joystick to the left or right at the position where the change is to be made.

The setting is now changed.

To return what has been established as the setting to the factory setting, press the RESET button while holding down the SEARCH button.

(4) If there is another item to be changed, repeat steps (2) to (3).

(5) Press the MENU button.

• If none of the settings have been changed, the menu screen display is cleared.
• If a setting has been changed, a confirmation screen appears.
• To activate the change in the setting, press the PLAY button.
• To cancel the change in the setting, press the STOP button.
• To return what has been established as the setting to the factory setting, press the RESET button while the menu is displayed. A confirmation screen now appears, and if the PLAY button is pressed in this status, the factory setting is restored.

Notes:

• If the RESET button is pressed to restore the factory settings, only the user files currently in use are restored. The other user files remain unaffected.
• The changes made to the SYSTEM menu contents are recorded also by pressing the MENU button to close the menu screen.

Setup menus

This VTR can hold five user files, each of which has its own specific menu settings, and one of these files can be selected for use.

■Changing the file

(1) Press the MENU button.

(2) When the FF button is pressed while holding down the PF button, the next user file is selected; conversely, when the REW button is pressed while holding down the PF button, the previous user file is selected.
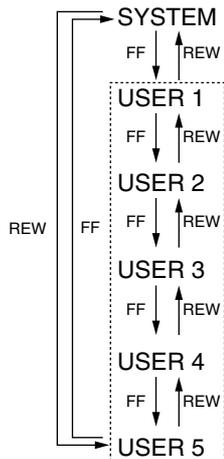
```
       ┌──► SYSTEM          User files
       │     FF │ ↑ REW     Each user file contains the
       │        ▼ │         following items.
       │  ┌ USER 1 ┐        • BASIC
       │  │ FF │ ↑ REW      • OPERATION
       │  │    ▼ │ │        • INTERFACE
       │  │ USER 2 │        • TAPE PROTECT
REW  FF│  │ FF │ ↑ REW      • TIME CODE
       │  │    ▼ │ │        • VIDEO
       │  │ USER 3 │        • AUDIO
       │  │ FF │ ↑ REW      • V BLANK
       │  │    ▼ │ │        • DIF
       │  │ USER 4 │        • MENU
       │  │ FF │ ↑ REW
       │  │    ▼ │ │
       └──► USER 5 ┘
```

(3) Decide on the user file to be used in the step (2) operation, and press the MENU button.
A confirmation screen now appears.

(4) When the PLAY button is pressed, what has been set is stored in the memory.

■Setting and releasing the lock mode

The lock mode can be set to protect the system file and user file (USER2 to USER5) settings. Once the lock mode is set, no further changes can be made to the settings. Setting and releasing the lock mode can be set for the system file by using setup menu No. 30 (MENU LOCK) and for the user files by using setup menu No. A03 (MENU LOCK).

(1) Press the MENU button.

(2) Press the REW button or FF button while holding down the PF button to select the file for which the lock mode is to be set or released.

(3) Operate the joystick to move the cursor (∗) on the menu screen to item No.30 (MENU LOCK) for the system file or to item No.A03 (MENU LOCK) for a user file.

(4) Press the SEARCH button, and use the joystick to select whether the lock mode is to be set or released.
 To set the lock mode:
   Select 0001 (ON) as the setting.
 To release the lock mode:
   Select 0000 (OFF) as the setting.
 When the lock mode has been set, LOCKED flashes on the menu screen. The counter display stops flashing and remains lighted.

(5) Press the MENU button.
A confirmation screen now appears.

(6) When the PLAY button is pressed, what has been set is stored in the memory.

Notes:
 • The lock mode cannot be set for the USER1 file.
 • Once set to the lock mode, a file cannot be reset to the factory settings even by pressing the RESET button.

Setup menus (continued)

■Loading user files

The contents of the USER2, USER3, USER4 or USER5 file can be copied (loaded) into the USER1 file. Also, the contents of the USER1 file can be copied (saved) into the USER2, USER3, USER4 or USER5 file.
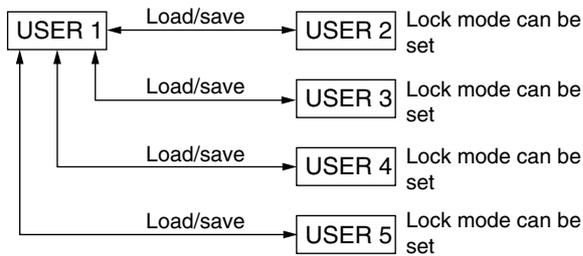
USER 1	←Load/save→	USER 2	Lock mode can be set
	←Load/save→	USER 3	Lock mode can be set
	←Load/save→	USER 4	Lock mode can be set
	←Load/save→	USER 5	Lock mode can be set

(1) Press the MENU button.

(2) Press the REW button or FF button while holding down the PF button to select the USER1 file.

(3) Operate the joystick, and move the cursor (∗) on the menu screen to item No.A00 (LOAD).

```
SETUP-MENU     MENU
<USER1>          NO .A00-0000
 804  BLANK LINE        BLANK
∗A00  LOAD              USER2
 A01  SAVE              USER2
 A02  P. ON LOAD        OFF
 END
```

(4) Incline the joystick to the left or right to select the user file whose contents are to be loaded into USER1.

(5) Press the joystick.

The following message appears on the menu screen and counter display.

Menu screen

```
SETUP-MENU      LOAD

USER2 → USER1 OK?
YES<PLAY>/NO<STOP>
```

Counter display

```
L  Uc  >  U1
```

The number of the user file selected in step (4) is displayed at ▉.

(6) Press the PLAY button

The settings of the user file selected in step (4) are loaded, and the USER1 menu display appears. If the STOP button is pressed instead, the settings are not changed, and the USER1 menu display appears.

(7) Press the MENU button.

A confirmation screen now appears.

When the PLAY button is pressed, the USER1 settings are stored in the memory. If the settings are not to be stored in the memory, press the STOP button instead.

■Saving user files

(1) Press the MENU button.

(2) Press the REW button or FF button while holding down the PF button to select the USER1 file.

(3) Operate the joystick, and move the cursor (∗) on the menu screen to item No.A01 (SAVE).

```
SETUP-MENU     MENU
<USER1>          NO .A00-0000
 804  BLANK LINE        BLANK
 A00  LOAD              USER2
∗A01  SAVE              USER2
 A02  P. ON LOAD        OFF
 END
```

(4) Incline the joystick to the left or right to select the user file in which the contents of USER1 are to be saved.

Those user files which have been set to the lock mode do not appear on the display. If all the user files have been set to the lock mode, the "LOCKED" display appears, and the contents of USER1 cannot be saved into any of the user files.

(5) Press the joystick.

The following message appears on the menu screen and counter display.

Menu screen

```
SETUP-MENU      SAVE

USER1 → USER2 OK?
YES<PLAY>/NO<STOP>
```

Counter display
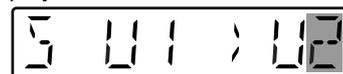
```
5  U1  >  Uc
```

The number of the user file selected in step (4) is displayed at ▉.

(6) Press the PLAY button

The settings of USER1 are saved in the user file selected in step (4) and stored in the memory. If the STOP button is pressed instead, the settings are not changed, and the USER1 menu display appears.

(7) Press the MENU button.

The regular display is restored.

■Automatically recalling a user file when turning on the power

If the user file to be loaded is selected in advance using setup menu No. A02 (P.ON LOAD), the file will be automatically loaded into USER1 when the power is turned on.

Setup menus (continued)

■SYSTEM menu

No./Item	Description

11
 	
SYS SC
	System phase adjustment:
	Variable range ±180 °
	–: Advanced, +: Delayed
	
	0000 –128 **Note:**
	  : : If setting operation is
	  <u>0128</u> **0** performed, the setting
	  : : value does not return to
	  0255 127 factory (default) setting.

13
 	
SYS H
	System phase adjustment: 74 ns steps
	–: Advanced, +: Delayed
	
	0000 –128 **Note:**
	  : : If setting operation is
	  <u>0128</u> **0** performed, the setting value
	  : : does not return to factory
	  0255 127 (default) setting.

14
 	
SCH COARSE
	SCH phase adjustment: 90 ° units
	(The SC phase changes but the H phase does not change.)
	–: Advanced, +: Delayed
	
	  <u>0000</u> <u>0</u>
	  0001 90
	  0002 180
	  0003 270

15
 	
SCH FINE
	SCH phase adjustment:
	Total variable range: ±45 ° or more
	(The SC phase changes but the H phase does not change.)
	–: Advanced, +: Delayed
	
	  0000 –32
	  : :
	  <u>0032</u> <u>0</u>
	  : :
	  0064 32

16
 	
AV PHASE
	This adjusts the audio output phase
	with respect to the video output:
	20.8 µs steps
	–: The audio output phase is advanced
	   with respect to the video output.
	+: The audio output phase is delayed with
	   respect to the video output.
	
	  0000 –128
	  : :
	  <u>0128</u> <u>0</u>
	  : :
	  0255 127

No./Item	Description
18 **SYS H** **OFFSET**	**System phase adjustment.** **0000 –3 :** –13.4 µsec **0001 –2 :** –8.96 µsec **0002 –1 :** –4.52 µsec <u>**0003**</u> <u>**0 :**</u> 0 sec **0004 1 :** +4.52 µsec **0005 2 :** +8.96 µsec **0006 3 :** +13.4 µsec **Note:** If setting operation is performed, the setting value does not return to factory (default) setting.

22
 	
VIDEO LEVEL
	This sets the video level.
	Max. variable range: ±3 dB
	
	  0000 –128
	  : :
	  <u>0128</u> <u>0</u>
	  : :
	  0255 127

23
(For AJ-SD255P)
SET UP LEVEL
(For AJ-SD255E)
BLACK LEVEL
	This sets the setup (black) level.
	Max. variable range: 14 IRE (100 mV)
	
	  0000 –128
	  : :
	  <u>0128</u> <u>0</u>
	  : :
	  0255 127

24
(For AJ-SD255P)
HUE
(For AJ-SD255E)
CHROMA
PHASE
	This sets the hue (chroma phase).
	Max. variable range: ±30 °
	
	  0000 –128
	  : :
	  <u>0128</u> <u>0</u>
	  : :
	  0255 127

25
 	
CHROMA
LEVEL
	This sets the chroma level.
	Max. variable range: ±3 dB
	
	  0000 –128
	  : :
	  <u>0128</u> <u>0</u>
	  : :
	  0255 127

30
 	
MENU LOCK
	This selects whether the system file
	lock mode is to be engaged or released.
	
	<u>0000</u> <u>OFF</u> **:** The lock is released (file
	            data can be changed).
	0001 ON : The lock is engaged (file
	            data cannot be changed).

The underlined items indicates the initial setting.

Setup menus (continued)

■USER menu <BASIC>

No./Item	Description

001
 	
LOCAL ENA
	This selects the buttons which can be operated on the front panel when the CONTROL switch has been set to REMOTE.
	
	0000 DIS :
	  No buttons can be operated.
	0001 ST&EJ :
	  Only the STOP and EJECT buttons can be operated.
	0002 ENA :
	  All buttons can be operated.

002 **TAPE TIMER**	**This selects the 12 or 24 hour display for the CTL counter.** **0000 ±12h :** 12 hour display **0001 24h :** 24 hour display

003
 	
REMAIN SEL
	This selects whether the remaining tape time and total tape length are to be displayed in the superimposed display of the VIDEO MON connector signals.
	
	0000 OFF: No display.
	0001 2L :
	  The remaining tape time is displayed on the second line.
	0002 1L :
	  The remaining tape time is displayed on the first line.
	0003 R/TTL :
	  The remaining tape time is displayed on the first line, and the total tape length is displayed in the second line.
	Notes:
	• When "2L" is selected, the remaining tape time is not displayed if "TIME" or "VITC" has been selected as the setup menu item No.008 (DISPLAY SEL) setting.
	• When "R/TTL" is selected, the total tape length is not displayed if "TIME" or "VITC" has been selected as the setup menu item No.008 (DISPLAY SEL) setting.

No./Item	Description

008
 	
DISPLAY SEL
	This selects what information is to be provided by the time code and other super displays output to the VIDEO MON connector.
	
	0000 TIME : Data only.
	  (The data indicates the value for whichever of CTL, TC or UB currently selected by the COUNTER button.)
	0001 T&STA :
	  Data and operation status.
	0002 T&S&M :
	  Data, operation status and mode.
	0003 T&RT : Data and REC TIME
	0004 T&YMD :
	  Data and REC DATE (year/month/day)
	0005 T&MDY :
	  Data and REC DATE (month/day/year)
	0006 T&DMY :
	  Data and REC DATE (day/month/year)
	0007 T&UB :
	  Data and user bit.
	  However, when UB has been selected with the COUNTER button, the time code is displayed after the user bit.
	0008 T&CTL :
	  Data and CTL data.
	  However, when CTL has been selected with the COUNTER button, the time code is displayed after the CTL data.
	0009 T&T :
	  The data and time code recorded in the VAUX area are displayed.
	0010 VITC:
	  The time code and user bit recorded in the VAUX area are displayed.
	Notes:
	• Mode display:
	  DVCPRO (25 Mbps) = DVCPRO,
	  DV = DV, DVCAM = DVCAM
	• An error message appears if a warning or error has occurred when "T&S&M" has been selected as this setting.
	• REC TIME and REC DATE are displayed during DV/DVCAM, playback only. With the DVCPRO (25 Mbps) format, the operating mode is displayed.

The underlined items indicates the initial setting.

Setup menus (continued)

■ USER menu <BASIC>

No./Item	Description

009
 	
CHARA H-POS
	This sets the position of the characters on the horizontal plane for the time code and other super displays output to the VIDEO MON connector.
	
	0000 0
	        : :
	<u>**0004**</u> <u>**4**</u>
	        : :
	0016 16
	Note:
	Press the joystick, then you can set the position of the characters by inclining it up or down or to the left or right.

010
 	
CHARA V-POS
	This sets the position of the characters on the vertical plane for the time code and other super displays output to the VIDEO MON connector.
	
	(For AJ-SD255P) (For AJ-SD255E)
	0000 0 **0000 0**
	    : : : :
	<u>**0018**</u> <u>**18**</u> <u>**0023**</u> <u>**23**</u>
	    : : : :
	0022 22 **0028 28**
	Notes:
	• Press the joystick, then you can set the position of the characters by inclining it up or down or to the left or right.
	• When the DISPLAY SEL status causes characters to extend beyond the edges of the screen, the setting value is changed but the characters are automatically displayed at a position on the screen where they will not extend.

011
 	
CHARA TYPE
	This selects the display type for the super display output to the VIDEO MON connector as well as for displays such as the setting menu, etc.
	
	<u>**0000 WHITE**</u> **:**
	    White characters against a black background.
	0001 W/OUT :
	    White characters with a black border.

No./Item	Description
017 **CHARA SIZE**	**This selects the size of the characters for the superimposed display output from the VIDEO MON connector.** <u>**0000 NORMAL**</u> **:** Standard size **0001 LARGE :** 4 times larger than the standard size **Note:** When LARGE has been selected, only time data is displayed, regardless of the setup menu No.008 (DISPLAY SEL) setting.

The underlined items indicates the initial setting.

Setup menus (continued)

■ USER menu <OPERATION>

No./Item	Description

100
 	
SEARCH ENA
	This sets the method used to transfer to the search mode (stick operation).
	
	0000 STICK :
	   Operation transfers to the search mode when the SEARCH button is pressed or the stick is operated.
	0001 KEY :
	   Operation is not transferred to the search mode unless the SEARCH button is pressed.

101 **SHTL MAX**	**This sets the maximum speed for shuttle** **0000 x8.4 :** 8.4x normal speed **0001 x16 :** 16x normal speed **0002 x32 :** 32x normal speed
102 **FF. REW MAX**	**This sets the maximum speed for FF and REW operations.** **0000 x32 :** 32 x normal speed **0001 x60 :** 60 x normal speed **0002 x100 :** 100 x normal speed **Note:** With mini DV or mini DVCAM cassette, the maximum speed is set to 32x regardless of this item's settings.

104
 	
REF ALARM
	This selects whether to warn the operator when the REF. VIDEO signal has not been connected.
	
	0000 OFF :
	   Warning is not given.
	0001 ON :
	   Warning is given by the flashing STOP lamp.
	Note:
	Video and audio output may be disturbed when the reference video signal is not input, so it is recommended that a system which inputs the reference video signal be used.

107 **PLAY DELAY**	**This set the play delay time in frame increments.** **0000 0** : : **0015 15**
108 **CAP.LOCK**	**This selects the CAPSTAN LOCK mode.** (For AJ-SD255P) (For AJ-SD255E) **0000 2F :** 2F mode **0000 2F :** 2F mode **0001 4F :** 4F mode **0001 4F :** 4F mode **0002 8F :** 8F mode **Note:** Color framing for the VIDEO MON connector output is not guaranteed.

The underlined items indicates the initial setting.

No./Item	Description

109
 	
AUTO REW
	This selects whether to rewind the tape automatically to the tape start when the tape end is detected.
	
	0000 OFF :
	   The tape stops at the tape end.
	0001 ON :
	   The tape is rewound to the tape start.
	Note:
	The tape stops near the BEGIN point when setup menu No. 160 (MEMORY MODE) is set to M-STOP.

111
 	
FRZ MODE SEL
	This selects the output picture in the STANDBY OFF (HALF LOADING) and EJECT modes.
	
	0000 DIS:
	   The video output is muted.
	0001 STB OFF:
	   When the STANDBY OFF (HALF LOADING) mode is established, the picture being played back at the time is frozen and output.
	0002 SOF&EJ:
	   When the STANDBY OFF (HALF LOADING) or EJECT mode is established, the picture being played back at the time is frozen and output.
	Notes:
	• The freeze status complies with the setup menu item No.605 (FREEZE SEL) setting.
	• The playback screen freezes only when setup menu No. 122 (STOP EE SEL) is set to STOP.
	• In the EJECT mode, the freeze image is output only when BLACK or GRAY is selected as the setup menu item No.120 (EJECT EE SEL) setting.

112
 	
V IN SEL INH
	This selects whether video input switching using the INPUT SELECT button is to be enabled or disabled.
	
	0000 OFF :
	   Video input switching using the INPUT SELECT button is enabled.
	0001 ON :
	   Video input switching using the INPUT SELECT button is disabled.
	0002 REC :
	   Video input switching using the INPUT SELECT button after the unit has been transferred to a recording mode is disabled.

113
 	
A IN SEL INH
	This selects whether audio input switching using the INPUT SELECT button is to be enabled or disabled.
	
	0000 OFF :
	   Audio input switching using the INPUT SELECT button is enabled.
	0001 ON :
	   Audio input switching using the INPUT SELECT button is disabled.
	0002 REC :
	   Audio input switching using the INPUT SELECT button after the unit has been transferred to a recording mode is disabled.

Setup menus (continued)

■ USER menu <OPERATION>

No./Item	Description
114 **REC INH LAMP**	This selects whether to cause the REC INH lamp to flash or light up when the cassette has been set to the accidental erasure prevention status. **0000** <u>**LIGHT**</u> **:** The lamp lights up. **0001 FLASH :** The lamp flashes. **Note:** When the REC INHIBIT switch is set to ON, the REC INH lamp always lights regardless of the general setting status.
115 **EJECT SW INH**	This selects whether to enable or disable the operation of the EJECT button on the front panel. **0000** <u>**REC**</u> **:** Operation is disabled while the unit is in the recording mode. **0001 OFF :** Operation is enabled in all modes.
120 **EJECT EE SEL**	This selects the modes for the picture and sound output when the tape is ejected. **0000** <u>**EE**</u> **:** EE mode **0001 BLACK :** The picture turns black, and the sound is muted. **0002 GRAY :** The picture turns gray, and the sound is muted. **Note:** The IEEE1394 digital output video will be black even if GRAY is selected.
121 **F/R EE SEL**	This selects whether the EE mode or playback mode is to be established during fast forwarding or rewinding. **0000** <u>**EE**</u> **:** EE mode **0001 TAPE :** Playback mode
122 **STOP EE SEL**	This select whether the EE mode or playback mode is to be established when operation is stopped. **0000** <u>**EE**</u> **:** EE mode **0001 TAPE :** Playback mode **Note:** The selection is complied with even in the standby OFF mode. However, the picture will turn gray (black for IEEE1394 digital output) when TAPE is selected.

The underlined items indicates the initial setting.

No./Item	Description
160 **MEMORY MODE**	This sets the repeat play mode. **0000** <u>**OFF**</u> **:** No repeat play (normal operation) **0001 M-STOP :** The tape stops near the BEGIN point when a FF or REW operation has been performed. **0002 REPT1 :** During playback, the tape is rewound to the BEGIN point and stopped when the END point is reached. **0003 CONT :** During playback, the tape is rewound to the BEGIN point and then played, and these steps are repeated when the END point is reached.
161 **CTL BGN or TC BGN**	This sets the BEGIN point in the repeat play mode. Whether TC or CTL is displayed on the counter when the COUNTER button is pressed is set here. When there is no setting, --:--:--:-- appears, and the tape start serves as the BEGIN point.
162 **END**	This sets the END point in the repeat play mode. Whether TC or CTL is displayed on the counter when the COUNTER button is pressed is set here. When there is no setting, --:--:--:-- appears, and the tape end serves as the END point.
163 **REPT MODE**	This sets the output image when the tape returns to the BEGIN point in the repeat play mode. **0000** <u>**FREEZE**</u> **:** The tape returns to the BEGIN point while the playback image at the END point remains frozen. **0001 BLACK :** The tape returns to the BEGIN point while a BLACK picture remains on the screen. **0002 EE_SEL :** The tape returns to the BEGIN point with an image which is in compliance with the setup menu item No.121 (F/R EE SEL) setting. **Note:** If, when FREEZE has been selected, the END point has been set at the tape end, the playback image will not be frozen properly. Set the END point in a range where pictures have been recorded.

■ USER menu <INTERFACE>

No./Item	Description
202 **ID SEL**	This sets the ID information to be returned to the controller. **0000 OTHER :** **0001** <u>**DVCPRO**</u> **:** **0002 ORIG :** **Notes:** • ID information of any VTR except for the DVCPRO's is set in OTHER. • The ORIG setting should only be used when a Panasonic controller (AG-A850 etc. sold separately) is connected.

Setup menus (continued)

■USER menu <TAPE PROTECT>

No./Item	Description
400 STILL TIMER	**This menu item is for selecting the time to elapse before the tape protection mode is established when a DVCPRO tape is used.** It is also for selecting the time to elapse before the tape protection mode is established when the VTR has been left standing in the STOP or search STILL (JOG, SLOW or SHTL) mode. (Unit: s = second, min = minute) 0000 0.5s 0001 5s 0002 10s 0003 20s 0004 30s 0005 40s 0006 50s 0007 1min 0008 2min Notes: • STEP FWD and HALF LOADING are provided in the tape protection mode. Either of these can be set for STOP and SEARCH STILL. • The cumulative standby time at the same tape position increases when transmitting programs or otherwise using identical materials repeatedly. In order to protect the tape, it is recommended that the shortest possible setting for the standby time in the same tape location is used.
401 SRC PROTECT	**When the time selected as the setup menu item No. 400 (STILL TIMER) setting elapses while the unit is in the search STILL (JOG/SLOW/SHTL) mode, the unit automatically enters one of the tape protection modes. This menu item is for selecting which tape protection mode the unit is to enter.** 0000 **STEP :** STEP FWD 0001 HALF : HALF LOADING Note: When STEP FWD is selected, the unit automatically goes into the STANDBY OFF (HALF LOADING) mode when the total time for which the unit is left standing in the still status reaches 30 minutes (or 1 minute for a DV/DVCAM tape).

402
 	
DRUM
STDBY
	This selects the drum operation in the STANDBY OFF (HALF LOADING) mode.
	
	0000 OFF :
	    The drum stops rotating.
	0001 ON :
	    The drum continues rotating.

No./Item	Description
403 STOP PROTECT	**When the time selected as the setup menu item No. 400 (STILL TIMER) setting elapses while the unit is in the STOP mode, the unit automatically enters one of the tape protection modes. This menu item is for selecting which tape protection mode the unit is to enter.** 0000 STEP : STEP FWD 0001 HALF : HALF LOADING Note: When STEP FWD is selected, the unit is automatically transferred to the STANDBY OFF (HALF LOADING) mode when the total time during which it has been left standing in the STOP mode reaches 30 minutes (or 1 minute for a DV/DVCAM tape).
404 DV STILL TMR	**This menu item is for selecting the time to elapse before the tape protection mode is established when a DV or DVCAM tape is being used.** It is for selecting the time to elapse before the tape protection mode is established when the VTR has been left standing in the STOP or search STILL (JOG, SLOW or SHTL) mode. (Unit: s = second, min = minute) 0000 0.5s 0001 5s 0002 10s 0003 20s Note: When using the unit in temperatures below 59°F (15 °C), set this item to 10 seconds to protect the tape and video heads.

The underlined items indicates the initial setting.

Setup menus (continued)

■ USER menu <TIME CODE>

No./Item	Description
500 **VITC BLANK**	**For selecting whether to output the VITC signal at the positions selected by setup menu items No. 501 (VITC POS-1) and No. 502 (VITC POS-2).** **0000 BLANK :** VITC signals are not output. **0001 THRU :** VITC signals are output.
501 **VITC POS-1**	**This sets the position where the VITC signal is to be inserted.** (For AJ-SD255P)　　(For AJ-SD255E) **0000 10L**　　　**0000 7L** 　:　　　:　　　　:　　　: **0006 16L**　　　**0004 11L** 　:　　　:　　　　:　　　: **0010 20L**　　　**0015 22L** **Notes:** • The same line as the one used for the setup menu items No. 502 (VITC POS-2) and No. 662 (UMID POS) setting cannot be set. • The default settings are not restored even if the RESET button is pressed while holding down the SEARCH button.
502 **VITC POS-2**	**This sets the position where the VITC signal is to be inserted.** (For AJ-SD255P)　　(For AJ-SD255E) **0000 10L**　　　**0000 7L** 　:　　　:　　　　:　　　: **0008 18L**　　　**0006 13L** 　:　　　:　　　　:　　　: **0010 20L**　　　**0015 22L** **Notes:** • The same line as the one used for the setup menu items No. 501 (VITC POS-1) and No. 662 (UMID POS) setting cannot be set. • The default settings are not restored even if the RESET button is pressed while holding down the SEARCH button.
503 **TCG REGEN**	**This selects the signal to be regenerated when the time code generator (TCG) in the REGEN mode.** **0000 TC&UB :** Both the time code and user bit are regenerated. **0001 TC :** Only the time code is regenerated. **0002 UB :** Only the user bit is regenerated.

No./Item	Description
505 **EXT TC SEL**	**This selects the time code to be used when an external time code is to be used.** **0000 LTC :** The LTC of the TIME CODE IN connector is used. **0001 VITC :** The VITC of the input video signal or the timecode of the IEEE1394 digital input signal is used.
506 **BINARY GP**	**This sets the usage status of the user bit of the time code generated by the TCG.** **0000 000 :** NOT SPECIFIED (character set not specified) **0001 001 :** ISO CHARACTER (8 bits character set based on ISO646, ISO2022) **0002 010 :** UNASSIGNED 1 (undefined) **0003 011 :** UNASSIGNED 2 (undefined) **0004 100 :** UNASSIGNED 3 (undefined) **0005 101 :** PAGE/LINE **0006 110 :** UNASSIGNED 4 (undefined) **0007 111 :** UNASSIGNED 5 (undefined)
507 **PHASE CORR**	**This selects whether to control the phase correction of the LTC which is output from the TIME CODE OUT connector.** **0000 OFF :** Phase correction control is not performed. **0001 ON :** Phase correction control is performed.
508 **TCG CF FLAG**	**This selects whether the CF flag of the TCG is to ON.** **0000 OFF :** CF flag is OFF. **0001 ON :** CF flag is ON.
509 **DF MODE** **(For AJ-SD255P)**	**This selects the DF or NDF mode for CTL and TCG.** **0000 DF :** The drop frame mode is used. **0001 NDF :** The non-drop frame mode is used. **Note:** DF/NDF switching is valid only when the CONTROL switch is set to LOCAL or the setup menu No. 001 (LOCAL ENA) is set to ENA.

The underlined items indicates the initial setting.

26

Setup menus (continued)

■USER menu <TIME CODE>

No./Item	Description

510
 	
TC OUT REF
	This is used to switch the phase of the time code, which is output from the TIME CODE OUT connector, for the external LTC input when the TCG switch is at the EXT position.
	
	<u>0000</u> <u>V OUT</u> :
	    Time code is synchronized with output video signal.
	0001 TC_IN :
	    Time code is synchronized with external time code input.

511
 	
VITC OUT
	This selects how the VITC which is to be superimposed onto the output video signal is to be output.
	
	<u>0000</u> <u>SBC</u> :
	    During recording:
	        The input time code, which was selected by the setup menu No. 505 (EXT TC SEL) setting and TCG switch, is output as the VITC.
	    During playback:
	        The time code recorded in the SBC area is output as the VITC.
	0001 VAUX :
	    During recording:
	        The time code detected from the input video signal is output as the VITC.
	    During playback:
	        The time code recorded in the VAUX area is output as the VITC.
	Notes:
	• The time code detected from the input video signal is automatically recorded in the VAUX area while pictures are being recorded.
	• If Y P_B P_R, CMPST, S-VIDEO or SDI is selected as the input signal, the VITC output during recording is a timecode superimposed on the input signal regardless of the above setting.

513
 	
RUN MODE
	This sets the operation mode which is to make the internal time code generator advance.
	
	<u>0000</u> <u>REC</u> :
	    The internal time code generator is advanced during recording.
	0001 FREE :
	    When the power is on, the internal time code generator is advanced regardless of the operation mode.

No./Item	Description

514
 	
VITC GEN
	This selects whether or not to record the internal time code generator value in the VAUX area.
	
	<u>0000</u> <u>OFF</u> :
	    The internal time code generator value is not recorded in the VAUX area. When video signals on which the time code has been recorded are input, the time code of the input signals is recorded in the VAUX area.
	0001 ON :
	    The internal time code generator value is recorded in the VAUX area.

SBC (sub code data) area:
This area is separate from the video and audio data area on the helical track. The time code complying with SMPTE/EBU standards is 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.

Note:
    The time code and user bit are controlled during tape playback by the data which has been recorded in the SBC area. This means that all the data recorded in the SBC area alone is used as the data which is to be indicated on the counter display section in the middle of the front panel or in the superimposed display, or as the data which is to be transmitted to the editing controller or other unit.

The underlined items indicates the initial setting.

Setup menus (continued)

■ USER menu <VIDEO>

No./Item	Description
600 **INT SG**	**This selects the internal reference signal.** **0001**　　**BB :** 　The black burst is generated. **0002** **CB100 :** 　100% color bars are generated. **0003**　**CB75 :** 　75% color bars are generated.
602 **V-MUTE SEL**	**This selects whether to mute the video output signals when a blank on the tape has been detected during playback.** **0000** **N-MUTE :** No muting. (Freeze) **0001** **LOW RF :** Muting. (Set to gray.)
603 **CC (F1) BLANK** (For AJ-SD255P)	**This selects ON or OFF for the closed caption signal of the first field.** **0000** **BLANK :** Signal is forcibly blanked. **0001**　　**THRU :** Signal is not blanked.
604 **CC (F2) BLANK** (For AJ-SD255P)	**This selects ON or OFF for the closed caption signal of the second field.** **0000** **BLANK :** Signal is forcibly blanked. **0001**　　**THRU :** Signal is not blanked.
605 **FREEZE SEL**	**This selects the freeze mode for still pictures.** **0000**　　**FIELD :** Field freeze. **0001** **FRAME :** Frame freeze. **Note:** When frame freeze has been selected, the frame slow status is established with the slow setting.
609 **EDH** YA94G	**This selects whether to superimpose EDH onto the SDI output signals.** **0000** **OFF :** EDH is not superimposed. **0001**　**ON :** EDH is superimposed.
610 **P_B/P_R IN LV** (For AJ-SD255P)	**This selects the analog component input level.** **0000**　　**M Ⅱ :**　M Ⅱ level **0001** **B-CAM :** ß-CAM level
614 **P_B/P_R OUT LV** (For AJ-SD255P)	**This selects the analog component output level.** **0000**　　**M Ⅱ :**　M Ⅱ level **0001** **B-CAM :** ß-CAM level

No./Item	Description
622 **SETUP** (For AJ-SD255P)	**For setting 7.5% setup processing to be performed on input and output signals.** When the STOP button is pressed, operation is transferred to the sub-screen, and the setup level is set for each output. To return from the sub-screen, press the STOP button again.
Sub-screen	
00 **CMPST IN**	**This selects the 7.5% setup processing for the input composite and S-Video signal.** **0000** **THRU :** 　The signal is recorded in its original form. **0001**　**CUT :** 　The signal is recorded with the 7.5% setup removed.
01 **CMPST OUT**	**This selects the 7.5% setup processing for the input composite and S-Video signal.** **0000**　**THRU :** 　The signal is output in its original form. **0001**　**ADD :** 　The signal is output with the 7.5% setup added. **Note:** Bear in mind the setting for sub-screen item No. 03 (CMPNT OUT) of setup menu item No. 622 (SETUP).
02 **CMPNT IN**	**This selects the 7.5% setup processing for the input component signal.** **0000**　**THRU :** 　The signal is recorded in its original form. **0001**　**CUT :** 　The signal is recorded with the 7.5% setup removed.
03 **CMPNT OUT**	**This selects the 7.5% setup processing for the output composite, component and serial (digital) signal.** **0000**　**THRU :** 　The signal is output in its original form. **0001**　**CUT :** 　The signal is output with the 7.5% setup removed. **0002**　**ADD :** 　The signal is output with the 7.5% setup added.

The underlined items indicates the initial setting.

YA94G　This appears only when the optional board AJ-YA94G has been installed.

Setup menus (continued)

■USER menu <VIDEO>

No./Item	Description
624 **CC REC** (For AJ-SD255P)	**For selecting whether to record the closed caption signals multiplexed on the input signals on the tape.** **0000 OFF :** No closed caption signal is recorded. **0001 ON :** When a closed caption signal is detected from the selected input signal, it can be recorded. **Note:** If 1394 signals have been selected as the input signals using the INPUT SELECT button, the closed caption signals which have been multiplexed onto the input signals will be recorded on the tape regardless of the setting.
645 **WIDE SELECT**	**This selects whether or not to record the wide-screen information on the tape.** **0001 WIDE :** The wide-screen information is recorded on the tape. **0002 NORMAL :** The wide-screen information is not recorded on the tape. **Notes:** • If 1394 has been selected as the input signals using the INPUT SELECT button, the wide-screen information on the input signals will be recorded regardless of this menu's setting. • With input signals other than 1394 signals, the wide signals will not be detected. Select WIDE as the setting when recording the wide-screen information on the tape. • Regardless of the above setting, the wide-screen information cannot be superimposed onto tape playback and output.
660 **UMID REC**	**This selects whether or not to record the UMID information on the tape.** **0000 OFF :** UMID information is not recorded on the tape. **0001 ON :** UMID information is recorded on the tape. **Note:** If 1394 has been selected as the input signals using the INPUT SELECT button, UMID will not be recorded even when it is set to ON unless the input signal can be detected.

No./Item	Description
661 **UMID GEN** **YA94G** **YAD255G**	**This selects the basic UMID information to be recorded on the tape when ON has been selected as the setup menu item No. 660 (UMID REC) setting.** **0000 INT :** Newly created basic UMID information of this unit is always recorded. **0001 EXT :** The basic UMID information of the input signals is recorded. Newly created basic UMID information of this unit is recorded if there is no basic UMID information on the input signals. **Note:** The source pack (of the UMID information) of the input signal will be recorded on the tape, regardless of this menu's setting.

662
 	
UMID POS
 	
YA94G
	This sets the line on which the UMID information is to be superimposed.
	
	(For AJ-SD255P) (For AJ-SD255E)
	0000 BLANK **0000 BLANK**
	0001 12L **0001 8L**
	   : : : :
	0006 17L **0010 17L**
	   : : : :
	0008 19L **0015 22L**
	Notes:
	• The line selected for the setup menu item No. 501 (VITC POS-1) and No. 502 (VITC POS-2) settings cannot be selected for this item.
	• The default settings are not restored even if the RESET button is pressed while holding down the SEARCH button.

The underlined items indicates the initial setting.

YA94G This appears only when the optional board AJ-YA94G has been installed.

YAD255G This appears only when the optional board AJ-YAD255G has been installed.

29

Setup menus (continued)

■ USER menu <AUDIO>

No./Item	Description
701 CH1 IN LV	This selects the audio input (CH1) reference level switching. 0000 4dB __0001__ __0dB__ 0002 −20dB
702 CH2 IN LV	This selects the audio input (CH2) reference level switching. 0000 4dB __0001__ __0dB__ 0002 −20dB
706 CH1 OUT LV	This selects the audio output (CH1) reference level switching. 0000 4dB __0001__ __0dB__ 0002 −20dB
707 CH2 OUT LV	This selects the audio output (CH2) reference level switching. 0000 4dB __0001__ __0dB__ 0002 −20dB

No./Item	Description

722
 	
REC CH1
	This selects the input signal to be recorded on the audio CH1 track.
	
	__0000__ __CH1__ :
	   Audio input CH1 signal.
	0001 CH2 :
	   Audio input CH2 signal.
	0002 CH1+2 :
	   Mixed audio input CH1 and CH2 signal.

723
 	
REC CH2
	This selects the input signal to be recorded on the audio CH2 track.
	
	0000 CH1 :
	   Audio input CH1 signal.
	__0001__ __CH2__ :
	   Audio input CH2 signal.
	0002 CH1+2 :
	   Mixed audio input CH1 and CH2 signal.

727 PB FADE	This selects the processing method for the audio edit points (IN point, OUT point) during playback. __0000__ __AUTO__ : According to the status during recording. 0001 CUT : Forced CUT 0002 FADE : Forced FADE
728 EMBEDDED AUD (YA94G)	This selects whether to superimpose the audio data onto the SDI output. 0000 OFF : Data is not superimposed. __0001__ __ON__ : Data is superimposed.

The underlined items indicates the initial setting.

(YA94G) This appears only when the optional board AJ-YA94G has been installed.

Setup menus (continued)

■USER menu <AUDIO>

No./Item	Description
734 **MONI SEL INH**	**This selects whether the operation of the MONITOR SELECT button on the front panel is to be enabled or disabled.** **0000 OFF :** Operation is enabled. **0001 ON :** Operation is disabled. **0002 ON1 :** Operation is disabled in the FULL display mode and enabled only in the FINE display mode.
750 **DV PB ATT**	**This selects the audio output level during DV playback.** **0000 OFF :** The audio output level is not attenuated. **0001 ON :** The audio output level is attenuated (reduced).
751 **REC PT MUTE**	**This selects whether to mute the sound where recordings are joined during DV/DVCAM** **0000 OFF :** The sound is not muted. **0001 ON :** The sound is muted.
752 **DV OUTPUT**	**This selects the AUDIO CH1 and CH2 output signals during DV or DVCAM format playback.** **0000 ST1 :** The CH1 track signals are output to CH1 and the CH2 track signals to CH2. (Only the sound during shooting is output.) **0001 ST2 :** The CH3 track signals are output to CH1 and the CH4 track signals to CH2. (Only the audio dubbing sound is output.) **0002 ST1+2 :** The mixed CH1 and CH3 track signals are output to CH1 and the mixed CH2 and CH4 track signals to CH2. (The sound during shooting and audio dubbing sound are output simultaneously.) **Note:** This menu item takes effect only when a DV or DVCAM cassette tape with a 32 kHz/4-channel recording is played back.
753 **REF LEVEL**	**For setting the audio reference level.** (For AJ-SD255P) (For AJ-SD255E) **0000 FS-20 :** −20 dB **0000 FS-20 :** −20 dB **0001 FS-18 :** −18 dB **0001 FS-18 :** −18 dB **0002 FS-12 :** −12 dB **0002 FS-12 :** −12 dB

The underlined items indicates the initial setting.

Setup menus (continued)

■ USER menu <V BLANK>

No./Item	Description
802 **TELETEXT SEL** (For AJ-SD255P)	**For selecting the type of teletext signals to be recorded.** 0000 MOJI : MOJI system 0001 NABTS : NABTS system **Note:** Signals like VITC signals are often mistakenly detected as teletext signals when the NABTS system has been selected. If this happens, select MANU as the setting for setup menu No. 803 (TELETEXT DET), then select the line for teletext signals.
803 **TELETEXT DET**	**For selecting the method used to detect the lines in which the teletext signals are to be recorded.** 0000 OFF: 　The teletext signals are not recorded. 0001 AUTO : 　The teletext signals are automatically detected 0002 MANU : 　The lines in which the teletext signals are to be recorded are selected and set. **Notes:** • The number of lines in which the teletext signals can be recorded differs depending on the setup menu item No.660 (UMID REC) setting. (See "Number of lines which can be set for teletext".) • When setting "MANU" is selected and the STOP button is pressed, operation transfers to the sub-screen, and the number of recording lines can be selected. To return from the sub-screen, press the STOP button again.

Sub-screen	
(For AJ-SD255P) 00 REC LINE1 　: 12 REC LINE13 (For AJ-SD255E) 00 REC LINE1 　: 13 REC LINE14	**For selecting the lines in which the teletext signals are to be recorded.** (For AJ-SD255P)　(For AJ-SD255E) 0000　OFF　　0000　OFF 0002 11&274　0001　7&320 0003 12&275　0002　8&321 0004 13&276　0003　9&322 0005 14&277　0004 10&323 0006 15&278　0005 11&324 0007 16&279　0006 12&325 0008 17&280　0007 13&326 0009 18&281　0008 14&327 0010 19&282　0009 15&328 0011 20&283　0010 16&329 0012 21&284　0011 17&330 0013　　22　0012 18&331 　　　　　　0013 19&332 　　　　　　0014 20&333 　　　　　　0015 21&334 　　　　　　0016　　22

No./Item	Description
804 **BLANK LINE**	**This turns the blanking ON or OFF in the vertical blanking period of the video output signals.** 0000 BLANK : 　Blanking is effected forcibly for all lines. 0001 THRU : 　No blanking is effected for any of the lines. 0002 MANU : 　Blanking ON or OFF is selected for each line. **Note:** When setting "MANU" is selected and the STOP button is pressed, operation transfers to the sub-screen, and ON or OFF can be selected for each line. To return from the sub-screen, press the STOP button again.

Sub-screen	
(For AJ-SD255P) 00 LINE 10&273 　: 11 LINE 21&284 (For AJ-SD255E) 00 LINE 7&320 　: 15 LINE 22&335	0000 BLANK : 　Blanking is forcibly effected. 0001 THRU : 　No blanking is effected.

• **Number of lines which can be set for teletext**
For AJ-SD255P:

No.660: UMID REC setting	Number of lines which can be set
OFF	13
ON	10

For AJ-SD255E:

No.660: UMID REC setting	Number of lines which can be set
OFF	14
ON	12

•The teletext signals which are played back do not satisfy the ITU-R BT.653 teletext standard perfectly.

The underlined items indicates the initial setting.

Setup menus (continued)

■ **USER menu <DIF>**

No./Item	Description
880 **DIF SPEED** **YAD255G**	This sets the transfer rate of the IEEE1394 digital interface output. 0000 <u>**S100**</u> : 100 Mbps 0001 **S200** : 200 Mbps 0002 **S400** : 400 Mbps

881
 	
DIF TYPE
(For AJ-SD255P)
 	
YAD255G
	This sets the format when the IEEE1394 digital signals are output.
	
	0000 **DVCPRO** :
	    The signals are forcibly output in the DVCPRO format.
	0001 **DV** :
	    The signals are forcibly output in the DV format.
	<u>0002</u> <u>**AUTO**</u> :
	    The same format as that of the playback tape is set.

882
 	
DIF IN CH
 	
YAD255G
	This sets the IEEE1394 digital input channel.
	
	0000 0
	  : :
	0063 63
	    0-63: These channels are fixed to assigned values.
	<u>0064</u> <u>**AUTO**</u> :
	    The channel is not fixed to assigned values. When the power is turned on, the input channel is initialized to 63.

883
 	
DIF OUT CH
 	
YAD255G
	This sets the IEEE1394 digital output channel.
	
	0000 0
	  : :
	0063 63
	    0-63: These channels are fixed to assigned values.
	<u>0064</u> <u>**AUTO**</u> :
	    The channel is not fixed to assigned values. When the power is turned on, the output channel is initialized to 63.

886 **DIF CONFIG** **YAD255G**	This menu item is used to support future expansion. Normally, "DFLT" is used as the setting. <u>0000</u> <u>**DFLT**</u> 0001 1 : : 0255 255

No./Item	Description

889
 	
DIF AUD IN
(For AJ-SD255P)
 	
YAD255G
	This selects the channels to be used for recording on the tape when DV format data with audio signals in the 4CH mode are to be input and then recorded on a DVCPRO tape.
	
	<u>0000</u> <u>**CH1&2**</u> :
	    Received DV format data CH1 and CH2 are selected.
	0001 **CH3&4** :
	    Received DV format data CH3 and CH4 are selected.

890
 	
DIF AUD OUT
 	
YAD255G
	(For AJ-SD255P)
	This selects the channels when a DV tape with audio signals in the 4CH mode is played and the signals are output in the DVCPRO format or when LOCK48 has been selected as the setup menu item No.891 (DIF DV AUDIO) setting.
	
	(For AJ-SD255E)
	When setup menu No. 891 (DIF DV AUDIO) is set to LOCK48, this selects the output channels for playing back the DV tape with audio signals in 4CH mode.
	
	<u>0000</u> <u>**CH1&2**</u> :
	    DV tape CH1 and CH2 are selected.
	0001 **CH3&4** :
	    DV tape CH3 and CH4 are selected.

891
 	
DIF DV AUDIO
 	
YAD255G
	This sets the forced audio mode conversion when a DV tape is played and its signals are output in the DV format.
	
	<u>0000</u> <u>**THRU**</u> : Normal (through)
	0001 **LOCK** :
	    The audio mode is forcibly converted to the LOCK mode. (The frequency is not converted.)
	0002 **LOCK48** :
	    The audio mode is forcibly converted to 48 kHz/2CH/LOCK.

The underlined items indicates the initial setting.

YAD255G This appears only when the optional board AJ-YAD255G has been installed.

Setup menus (continued)

■ USER menu <MENU>

No./Item	Description

A00
 	
LOAD
	This selects the user file whose contents will be loaded into USER1.
	
	0000 USER2 :
	    The USER2 file contents are loaded.
	0001 USER3 :
	    The USER3 file contents are loaded.
	0002 USER4 :
	    The USER4 file contents are loaded.
	0003 USER5 :
	    The USER5 file contents are loaded.
	Note:
	Pressing the MENU button after loading displays a confirmation screen. Pressing the PLAY button stores the setting values. The setting values are not changed if the STOP button is pressed.

A01
 	
SAVE
	This selects the user file into which the USER1 settings will be saved.
	
	0000 USER2 :
	    The settings are saved in USER2.
	0001 USER3 :
	    The settings are saved in USER3.
	0002 USER4 :
	    The settings are saved in USER4.
	0003 USER5 :
	    The settings are saved in USER5.
	0004 LOCKED :
	    This display appears when all the user files are in the change prohibit status.
	Notes:
	• User files whose status have been set to change prohibit cannot be selected.
	• When all the user files are in the change prohibit status, the "LOCKED" display appears and the contents cannot be saved.

Notes:
• No. A00 (LOAD), No. A01 (SAVE) and No. A02 (P. ON LOAD) are the menu items which can be set only for USER1.
  They are not displayed with the USER2 – USER5 files.
• No. A03 (MENU LOCK) is the menu item which can be set only for the USER2 – USER5 files.
  It is not displayed with USER1.

No./Item	Description

A02
 	
P. ON LOAD
	This loads the contents of the selected user file into USER1 and it starts operation with the USER1 settings when the power is turned on.
	
	0000 OFF :
	    Operation is started with the settings of the previously set user file.
	0001 USER2 :
	    The contents of USER2 are loaded into USER1 and operation is started with the USER1 settings.
	0002 USER3 :
	    The contents of USER3 are loaded into USER1 and operation is started with the USER1 settings.
	0003 USER4 :
	    The contents of USER4 are loaded into USER1 and operation is started with the USER1 settings.
	0004 USER5 :
	    The contents of USER5 are loaded into USER1 and operation is started with the USER1 settings.

A03
 	
MENU LOCK
	This selects whether to set or release the user file (USER2 – USER5) lock mode.
	
	0000 OFF :
	    The lock is released (changes can be made).
	0001 ON :
	    The lock is set (changes are prohibited).
	Note:
	The lock cannot be set for USER1.

A04 PF1 ASSIGN	**The setup menu item is stored to the PF1 button.**
A05 PF2 ASSIGN	**The setup menu item is stored to the PF2 button.**
A06 PF3 ASSIGN	**The setup menu item is stored to the PF3 button.**

The underlined items indicates the initial setting.