

# ***Panasonic Broadcast***

## ***AJ-SD755*** ***Menu Information***

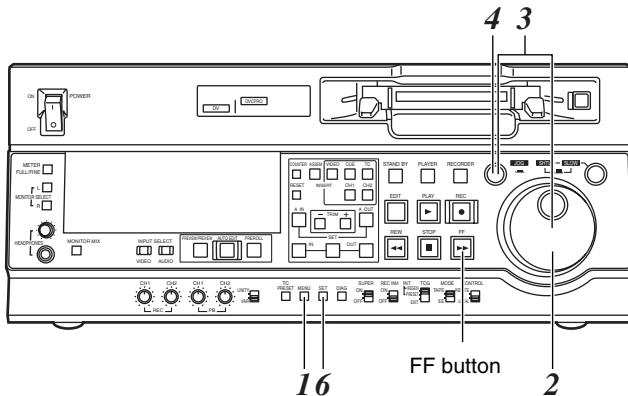
## Setup (initial settings)

This VTR's main settings are performed while making selections using a system of menus.

If a TV monitor has been connected to the VIDEO OUT 3 connector on the rear panel, the setup menus are displayed on the TV monitor.

### <Note>

By installing the SDI board (AJ-YA755G, available as an optional accessory) in the VTR, it is possible to display the setup menus also on a TV monitor which has been connected to the SDI OUT 3 connector.



## 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.

Each time the FF button is pressed (for about 1.5 seconds), the item number and item name are selected and displayed alternately.

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

**2** Turn the search dial to select the item to be set.

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

- When the dial is turned clockwise, the item number is incremented from 001 → 002 → 003 → 004 and so on; conversely, when it is turned counterclockwise, the item number is decremented.
- When the FF button or REW button is pressed while holding down the PLAY button, the next or previous item is selected.
- Whenever possible, limit the use of the search dial to the JOG mode.

**3** At the position where the change is to be made, turn the search dial while holding down the search button.

The settings on the menu screen and display now flash.

When the dial is turned clockwise, the setting number is incremented; conversely, when it is turned counterclockwise, it is decremented.

- At this time, when the RESET button is pressed while holding down the search button, the setting value is returned to the factory setting.

**4** Upon completion of the setting, release the search button.

The item number now flashes.

- When the search dial is in the SHTL mode, the item will move unless the dial is set to the center position.

**5** When other items are to be changed, repeat steps 2 to 4.

**6** Press the SET button.

The changes are stored in the memory.

**To disregard the new settings and restore the old settings instead, press the MENU button.**

- To return the setup contents to the factory settings (initial settings), press the RESET button while the menu is displayed. The following message is displayed.

```
SETUP-MENU INIT SET  
YES<PLAY>/NO<STOP>
```

If the PLAY button is now pressed, the factory settings are reinstated.

### <Notes>

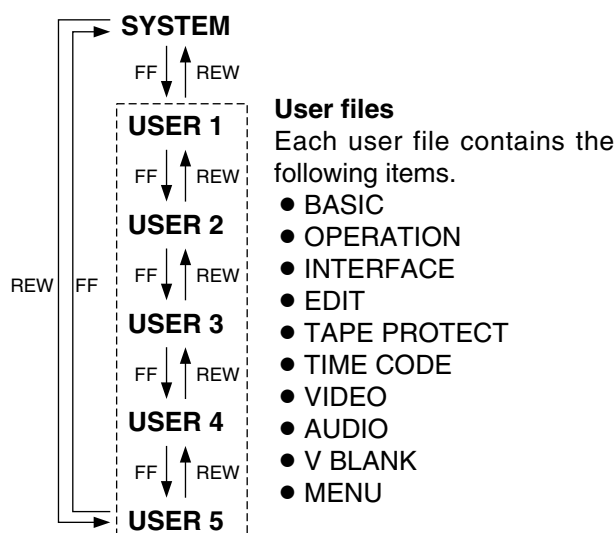
- If the RESET button is pressed to restore the factory settings, only the user files currently in use are restored. The other user files remain unaffected.
- The changes made to the SYSTEM menu contents are recorded also by pressing the MENU button to close the menu screen.

# 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 DIAG button, the next user file is selected; conversely, when the REW button is pressed while holding down the DIAG button, the previous user file is selected.



- 3 To enter the selection made in step 2 for the user file which is to be used, press the SET button.  
The user file is changed and stored in the memory.

### <Note>

Since the SYSTEM menu items are not included in user files 1 through 5, first select the user file and switch to the SYSTEM file, and then set the SYSTEM menu items.

## 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 DIAG button to select the file for which the lock mode is to be set or released.
- 3 Turn the search dial to move the cursor (\*) on the menu screen to No. 30 (MENU LOCK) for the system file or to No. A03 (MENU LOCK) for a user file.
- 4 Turn the search dial while holding down the search button to select whether the lock mode is to be set or released.  
**To set the lock mode:**  
Set 0001 (ON) as the setting.  
**To release the lock mode:**  
Set 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.

```
SETUP-MENU   LOCKED
<USER2>     NO.000-0005
*000 P-ROLL TIME   5s
001 LOCAL ENA     ST&EJ
002 TAPE TIMER    ±12h
003 REMAIN SEL    OFF
004 SETUP NUMBER  OFF
005 METER SELECT  CUE
006 SYNCHRONIZE  ON
007 SUPER        ON
008 DISPLAY SEL   T&STA
```

- 5 Press the SET button.  
The setting is stored in the memory.

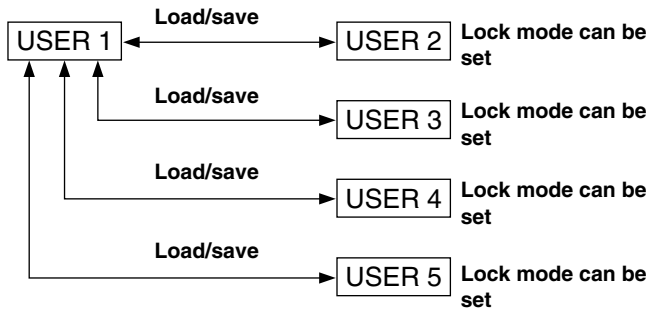
### <Notes>

- 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

## 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.



**1** Press the MENU button.

**2** Press the REW button or FF button while holding down the DIAG button to select the USER1 file.

**3** Turn the search dial to move the cursor (\*) on the menu screen to 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** Turn the search dial while holding down the search button to select the user file whose contents are to be loaded into USER1.

**5** Press the SET button. 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



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** Turn the search dial to move the cursor (\*) on the menu screen to a number other than No. A00 (LOAD) or No. A01 (SAVE).

**8** Press the SET button. The USER1 settings are stored in the memory. If the USER1 settings are not to be stored in the memory, do not press the SET button but press the MENU button instead.

# Setup menus

## Saving user files

- 1 Press the MENU button.
- 2 Press the REW button or FF button while holding down the DIAG button to select the USER1 file.
- 3 Turn the search dial to move the cursor (\*) on the menu screen to 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 Turn the search dial while holding down the search button 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 SET button.  
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 01 ) 02
```

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 Turn the search dial to move the cursor (\*) on the menu screen to a number other than No. A00 (LOAD) or No. A01 (SAVE).
- 8 Press the SET button. The USER1 settings are stored in the memory.  
If the USER1 settings are not to be stored in the memory, do not press the SET button but press the MENU button instead.

## 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

## SYSTEM menu

No./Item	Description
00 WFM SEL	<p>This selects the signal to output from the VIDEO OUT 2 connector.</p> <p>0000 CTL: The CTL signal is output. 0001 TC: The TIME CODE signal is output. <u>0002</u> VIDEO: The VIDEO OUT signal is output. 0003 RF: The PB RF signal is output. 0004 ENV: The PB ENV signal is output.</p> <p>&lt;Notes&gt;</p> <ul style="list-style-type: none"> <li>The settings can be changed at any time regardless of the setup menu item No. 30 (MENU LOCK) setting.</li> <li>During normal playback, the output signals have levels which are virtually identical to the values given below under a 75Ω termination. CTL: 0.1 to 0.3 Vp-p TC: 0.6 Vp-p VIDEO: 1.0 Vp-p</li> </ul>
10 ENCODER SEL	<p>This selects whether the video output signal is to be adjusted with the VTR or with the external encoder remote control.</p> <p>0000 REMOTE : Video output signals are adjusted with the external encoder remote control. <u>0001</u> LOCAL : Video output signals are adjusted with the VTR.</p>
11 SYS SC COAR.	<p>Coarse adjustment of system phase: 90° units</p> <p>0000 0 &lt;Note&gt; 0001 90 If setting operation is 0002 180 performed, the setting value 0003 270 does not return to factory (default) setting.</p>
12 SYS SC FINE	<p>Fine adjustment of system phase: Variable range ±45° or more –: Advanced, +: Delayed</p> <p>0000 –128 &lt;Note&gt; : : If setting operation is <u>0128</u> 0 performed, the setting value : : does not return to factory 0255 127 (default) setting.</p>
13 SYS H	<p>System phase adjustment: 74 ns steps –: Advanced, +: Delayed</p> <p>0000 –128 &lt;Note&gt; : : If setting operation is <u>0108</u> 0 performed, the setting value : : does not return to factory 0216 127 (default) setting.</p>

No./Item	Description
14 SCH COARSE	<p>SCH phase adjustment: 90° units (The SC phase changes but the H phase does not change.) –: Advanced, +: Delayed</p> <p>0000 0 0001 90 0002 180 0003 270</p>
15 SCH FINE	<p>SCH phase adjustment: Total variable range: ±45° or more (The SC phase changes but the H phase does not change.) –: Advanced, +: Delayed</p> <p>0000 –32 : : <u>0032</u> 0 : : 0064 32</p>
16 AV PHASE	<p>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.</p> <p>0000 –128 : : <u>0128</u> 0 : : 0255 127</p>

The underlined items indicates the initial setting.

# Setup menus

## SYSTEM menu

No./Item	Description
<b>18</b>	<b>System phase adjustment.</b>
<b>SYS H OFFSET</b>	0000 -3 : -13.4 μsec 0001 -2 : -8.96 μsec 0002 -1 : -4.52 μsec <u>0003</u> 0 : 0 sec 0004 1 : +4.52 μsec 0005 2 : +8.96 μsec 0006 3 : +13.4 μsec <b>&lt;Note&gt;</b> Factory settings will remain unchanged even if an attempt is
<b>19</b>	<b>This sets whether the system phase is to be adjusted by the unit or from the external encoder remote controller.</b>
<b>SYS SC/H</b>	<u>0000</u> <b>REMOTE :</b> The system phase is adjusted from the external encoder remote controller. 0001 <b>LOCAL :</b> The system phase is adjusted by the unit. <b>&lt;Note&gt;</b> This setting does not take effect when LOCAL has been selected as the SYSTEM menu item No. 10 (ENCODER SEL) setting.
<b>22</b>	<b>This sets the video level.</b> Max. variable range: ±3 dB
<b>VIDEO LEVEL</b>	0000 -128 : : <u>0128</u> 0 : : 0255 127

The underlined items indicates the initial setting.

No./Item	Description
<b>23</b>	<b>This sets the setup (black) level.</b> Max. variable range: 14 IRE (100 mV)
<b>SET UP LEVEL</b>	0000 -128 : : <u>0128</u> 0 : : 0255 127
<b>24</b>	<b>This sets the hue (chroma phase).</b> Max. variable range: ±30°
<b>HUE</b>	0000 -128 : : <u>0128</u> 0 : : 0255 127
<b>25</b>	<b>This sets the chroma level.</b> Max. variable range: ±3 dB
<b>CHROMA LEVEL</b>	0000 -128 : : <u>0128</u> 0 : : 0255 127
<b>30</b>	<b>This selects whether the system file lock mode is to be engaged or released.</b>
<b>MENU LOCK</b>	<u>0000</u> <b>OFF :</b> The lock is released (file data can be changed). 0001 <b>ON :</b> The lock is engaged (file data cannot be changed). <b>&lt;Note&gt;</b> Setup menu No. 00 (WFM SEL) can be changed at any time regardless of the setting selected for this menu item.

### Video output signal adjustments

The video output signal adjustments are made by selecting the SYSTEM menu item No. 10 (ENCODER SEL) and No. 19 (SYS SC/H) settings.

These adjustments can be used for analog component, analog composite and SDI (option) signal output.

A control matrix of the adjustments is shown below.

Setting		Item adjusted	
SYSTEM menu item 10: ENCODER SEL	SYSTEM menu item 19: SYS SC/H	SYSTEM menu item 11: SYS SC COAR. 12: SYS SC FINE 13: SYS H	SYSTEM menu item 22: VIDEO LEVEL 23: SET UP LEVEL 24: HUE 25: CHROMA LEVEL
LOCAL	LOCAL REMOTE	Unit	Unit
REMOTE	LOCAL REMOTE	Unit External encoder remote controller	External encoder remote controller

# Setup menus

## USER menu <BASIC>

No./Item	Description
000 <b>P-ROLL TIME</b>	<p>This sets the preroll time. The preroll time can be set from 0 to 15 seconds in 1-second increments.</p> <p><b>0000 0s</b> &lt;Note&gt; : : When the automatic editing mode [PREVIEW, AUTO EDIT] is set, the unit will not operate if the preroll time is set to 0 seconds.</p> <p><b>0005 5s</b></p> <p><b>0015 15s</b></p>
001 <b>LOCAL ENA</b>	<p>This selects the buttons which can be operated on the front panel when the CONTROL switch has been set to REMOTE.</p> <p><b>0000 DIS :</b> No buttons can be operated.</p> <p><b>0001 ST&amp;EJ :</b> Only the STOP and EJECT buttons can be operated.</p> <p><b>0002 ENA :</b> All buttons except for the RECORDER and PLAYER buttons can be operated.</p>
002 <b>TAPE TIMER</b>	<p>This selects the 12 or 24 hour display for the CTL counter.</p> <p><b>0000 ±12h :</b> 12 hour display</p> <p><b>0001 24h :</b> 24 hour display</p>
003 <b>REMAIN SEL</b>	<p>This selects whether the remaining tape time and total tape length are to be displayed in the superimposed display of the VIDEO OUT 3/SDI OUT 3 (AJ-YA755G, optional) connector signals.</p> <p><b>0000 OFF :</b> No display.</p> <p><b>0001 2L :</b> The remaining tape time is displayed on the second line.</p> <p><b>0002 1L :</b> The remaining tape time is displayed on the first line.</p> <p><b>0003 R/TTL :</b> The remaining tape time is displayed on the first line, and the total tape length is displayed in the second line.</p> <p>&lt;Notes&gt;</p> <ul style="list-style-type: none"> <li>• When "2L" is selected, the remaining tape time is not displayed if "TIME" has been selected as the setup menu item No.008 (DISPLAY SEL) setting.</li> <li>• When "R/TTL" is selected, the total tape length is not displayed if "TIME" has been selected as the setup menu item No.008 (DISPLAY SEL) setting.</li> </ul>

No./Item	Description
006 <b>SYNCHRONIZE</b>	<p>This selects whether or not to synchronize between two VTRs.</p> <p><b>0000 OFF :</b> No synchronization. The editing points deviate several frames, but editing can be started quickly.</p> <p><b>0001 ON :</b> Synchronization. Allows for error-free editing.</p>
008 <b>DISPLAY SEL</b>	<p>This selects what information is to be provided by the time code and other super displays output to the VIDEO OUT 3/SDI OUT 3 (AJ-YA755G, optional) connector.</p> <p><b>0000 TIME :</b> Data only. (The data indicates the value for whichever of CTL, TC or UB currently selected by the COUNTER button.)</p> <p><b>0001 T&amp;STA :</b> Data and operation status.</p> <p><b>0002 T&amp;S&amp;M :</b> Data, operation status and mode.</p> <p><b>0003 T&amp;RT :</b> Data and REC TIME</p> <p><b>0004 T&amp;YMD :</b> Data and REC DATE (year/month/day)</p> <p><b>0005 T&amp;MDY :</b> Data and REC DATE (month/day/year)</p> <p><b>0006 T&amp;DMY :</b> Data and REC DATE (day/month/year)</p> <p><b>0007 T&amp;UB :</b> Data and user's bit. However, when UB has been selected with the COUNTER button, the time code is displayed after the user's bit.</p> <p><b>0008 T&amp;CTL :</b> Data and CTL data. However, when CTL has been selected with the COUNTER button, the time code is displayed after the CTL data.</p> <p><b>0009 T&amp;T :</b> Data and time code.</p> <p><b>0010 VITC :</b> The time code and user's bit recorded in the VAUX area are displayed.</p> <p>&lt;Notes&gt;</p> <ul style="list-style-type: none"> <li>• Mode display: DVCPRO (25 Mbps) = DVCPRO, DV = DV, DVCAM = DVCAM</li> <li>• An error message appears if a warning or error has occurred when "T&amp;S&amp;M" has been selected as this setting.</li> <li>• REC TIME and REC DATE are displayed during DV/DVCAM, playback only. With the DVCPRO (25 Mbps) format, the operating mode is displayed.</li> </ul>

The underlined items indicates the initial setting.

# Setup menus

## USER menu <BASIC>

No./Item	Description
009 CHARA H-POS	<p>This sets the position of the characters on the horizontal plane for the time code and other super displays output to the VIDEO OUT 3/SDI OUT 3 (AJ-YA755G, optional) connector.</p> <p>0000 0 : : <u>0004</u> 4 : : 0016 16</p> <p>&lt;Note&gt; When setting this item, the DISPLAY SEL status is output to VIDEO OUT 3/SDI OUT 3 even if SUPER OFF has been set. However, when the menu is exited, operation complies with the SUPER OFF/ON setting. Also, CHARA TYPE is output to VIDEO OUT 3/SDI OUT 3 according to the status set in the menu.</p>
010 CHARA V-POS	<p>This sets the position of the characters on the vertical plane for the time code and other super displays output to the VIDEO OUT 3/SDI OUT 3 (AJ-YA755G, optional) connector.</p> <p>0000 0 : : <u>0018</u> 18 : : 0022 22</p> <p>&lt;Notes&gt;</p> <ul style="list-style-type: none"> <li>● When setting this item, the DISPLAY SEL status is output to VIDEO OUT 3/SDI OUT 3 even if SUPER OFF has been set. However, when the menu is exited, operation complies with the SUPER OFF/ON setting.</li> <li>● When the DISPLAY SEL setting causes characters to extend beyond the edges of the screen, the setting value is changed so that the characters are automatically displayed in a position on the screen.</li> </ul>
011 CHARA TYPE	<p>This selects the display type for the super display output to the VIDEO OUT 3/SDI OUT 3 (AJ-YA755G, optional) connector as well as for displays such as the setting menu, etc.</p> <p>0000 <u>WHITE</u> : White characters against a black background. 0001 <u>W/OUT</u> : White characters with a black border.</p>

No./Item	Description
015 MONI CONTROL	<p>This sets whether the recorder is to be forcibly set to the EE mode and the player's playback signals are to be output to the monitor by pressing the recorder's PLAYER button when a monitor has been connected only to the recorder during deck-to-deck editing.</p> <p>0000 <u>MANU</u> : The recorder is not forcibly set to the EE mode. 0001 <u>AUTO</u> : The recorder is forcibly set to the EE mode, and the player's playback signals are output.</p>
017 CHARA SIZE	<p>This selects the size of the characters for the superimposed display output from the VIDEO OUT 3 or SDI OUT 3 (AJ-YA755G, optional) connector.</p> <p>0000 <u>NORMAL</u> : Standard size 0001 <u>LARGE</u> : 4 times larger than the standard size</p> <p>&lt;Note&gt; When LARGE has been selected, only time data is displayed, regardless of the setup menu No.008 (DISPLAY SEL) setting.</p>

The underlined items indicates the initial setting.

# Setup menus

## USER menu <OPERATION>

No./Item	Description
100 SEARCH ENA	<p>This selects the direct search dial operation.</p> <p><u>0000</u> <b>DIAL</b> : For direct search dial operations. <u>0001</u> <b>KEY</b> : Operation is not transferred to the search mode unless the search button is pressed.</p>
101 SHTL MAX	<p>This sets the maximum speed for shuttle operations.</p> <p><u>0000</u> ×8.4 : 8.4× normal speed <u>0001</u> ×16 : 16× normal speed <u>0002</u> ×32 : 32× normal speed</p>
102 FF. REW MAX	<p>This sets the maximum speed for FF and REW operations.</p> <p><u>0000</u> ×32 : 32× normal speed <u>0001</u> ×60 : 60× normal speed <u>0002</u> ×100 : 100× normal speed</p> <p>&lt;Note&gt; With mini DV or mini DVCAM cassette, the maximum speed is set to 32× regardless of this item's settings.</p>
104 REF ALARM	<p>This selects whether to warn the operator when the REF. VIDEO signal has not been connected.</p> <p><u>0000</u> <b>OFF</b> : Warning is not given. <u>0001</u> <b>ON</b> : Warning is given by the flashing STOP lamp.</p> <p>&lt;Note&gt; 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.</p>

No./Item	Description
105 AUTO EE SEL	<p>This selects the VTR mode in which the EE status is established when the MODE switch is set to EE.</p> <p><u>0000</u> <b>S/F/R</b> : EE status is established in STOP, FF, REW and EJECT modes. <u>0001</u> <b>STOP</b> : EE status is established in STOP and EJECT modes. <u>0002</u> <b>BLACK</b> : EE status is established in STOP and EJECT modes. However, if the MODE switch is set to TAPE, the picture becomes black and the sound is muted when the tape is ejected. <u>0003</u> <b>BLACK1</b> : EE status is established in STOP, FF, REW and EJECT modes. However, if the MODE switch is set to TAPE, the picture becomes black and the sound is muted when the tape is ejected. <u>0004</u> <b>GRAY</b> : EE status is established in STOP and EJECT modes. However, if the MODE switch is set to TAPE, the picture becomes gray and the sound is muted when the tape is ejected. <u>0005</u> <b>GRAY1</b> : EE status is established in STOP, FF, REW and EJECT modes. However, if the MODE switch is set to TAPE, the picture becomes gray and the sound is muted when the tape is ejected.</p>
106 EE MODE SEL	<p>This selects the EE mode output signals.</p> <p><u>0000</u> <b>NORMAL</b> : Signals are output with a delay equivalent to the length of internal signal processing. <u>0001</u> <b>THRU</b> : Signals are output directly, without internal processing, and so are output with no delay.</p> <p>&lt;Note&gt; When the unit is in edit mode and SDTI/1394 or SG has been selected for the input signals by the INPUT SELECT button, internal operations are forcibly set to NORMAL.</p>
107 PLAY DELAY	<p>This set the play delay time in frame increments.</p> <p><u>0000</u>        0           :       : 0015        15</p>
108 CAP. LOCK	<p>This selects the CAPSTAN LOCK mode.</p> <p><u>0000</u>        2F : 2F mode <u>0001</u>        4F : 4F mode</p>

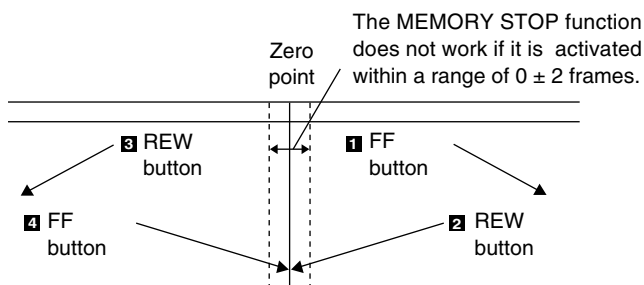
The underlined items indicates the initial setting.

# Setup menus

## USER menu <OPERATION>

No./Item	Description
109 <b>AUTO REW</b>	<p>This selects whether to rewind the tape automatically to the tape start when the tape end is detected.</p> <p><u>0000</u>    <b>OFF</b> : The tape stops at the tape end. 0001    <b>ON</b> : The tape is rewound to the tape start.</p>
110 <b>MEMORY STOP</b>	<p>This selects whether the VTR is to stop automatically when the counter value reaches "0" during a fast forwarding or rewinding operation in the CTL mode.</p> <p><u>0000</u>    <b>OFF</b> : The VTR does not stop. 0001    <b>ON</b> : The VTR stops automatically.</p> <p>&lt;Notes&gt;</p> <ul style="list-style-type: none"> <li>• The stop mode concerned is either the stop or the still-picture (SHTL STILL or SLOW STILL) mode depending on the setup menu No. 315 (AFTER CUE-UP) setting.</li> <li>• When both the AUTO REW function and MEMORY function have been selected at the same time, the AUTO REW function takes precedence.</li> </ul>

### Memory stop function



- 1 When the FF button is pressed, the VTR performs the regular fast forward operation since the zero point is not located in the direction of operation.
- 2 When the REW button is pressed, the PREROLL lamp lights (the SHTL lamp lights as well), the VTR proceeds with the preroll operation, and it automatically stops when it reaches the position where the counter reads "0."
- 3 When the REW button is pressed, the VTR performs the regular rewinding operation since the zero point is not located in the direction of operation.
- 4 When the FF button is pressed, the PREROLL lamp lights (the SHTL lamp lights as well), the VTR proceeds with the preroll operation, and it automatically stops when it reaches the position where the counter reads "0."

No./Item	Description
111 <b>FRZ MODE SEL</b>	<p>This selects the output picture in the <b>STANDBY OFF (HALF LOADING)</b> and <b>EJECT</b> modes.</p> <p><u>0000</u>    <b>DIS</b> : The video output is muted. 0001 <b>STB OFF</b> : When the <b>STANDBY OFF (HALF LOADING)</b> mode is established, the picture being played back at the time is frozen and output. 0002 <b>SOF&amp;EJ</b> : When the <b>STANDBY OFF (HALF LOADING)</b> or <b>EJECT</b> mode is established, the picture being played back at the time is frozen and output.</p> <p>&lt;Notes&gt;</p> <ul style="list-style-type: none"> <li>• Freeze status complies with the setup menu item No. 605 (FREEZE SEL) setting.</li> <li>• In the <b>EJECT</b> mode, freeze is output only when <b>BLACK</b>, <b>BLACK1</b>, <b>GRAY</b> or <b>GRAY1</b> is selected as the setup menu item No. 105 (AUTO EE SEL) setting.</li> </ul>
112 <b>V IN SEL INH</b>	<p>This selects whether video input switching using the <b>INPUT SELECT</b> button is to be enabled or disabled.</p> <p><u>0000</u>    <b>OFF</b> : Video input switching using the <b>INPUT SELECT</b> button is enabled. 0001    <b>ON</b> : Video input switching using the <b>INPUT SELECT</b> button is disabled. 0002    <b>REC</b> : Video input switching using the <b>INPUT SELECT</b> button after the unit has been transferred to a recording (but not editing) mode is disabled.</p>
113 <b>A IN SEL INH</b>	<p>This selects whether audio input switching using the <b>INPUT SELECT</b> button is to be enabled or disabled.</p> <p><u>0000</u>    <b>OFF</b> : Audio input switching using the <b>INPUT SELECT</b> button is enabled. 0001    <b>ON</b> : Audio input switching using the <b>INPUT SELECT</b> button is disabled. 0002    <b>REC</b> : Audio input switching using the <b>INPUT SELECT</b> button after the unit has been transferred to a recording (but not editing) mode is disabled.</p> <p>&lt;Note&gt;</p> <p>Even when the <b>ON</b> or <b>REC</b> setting is selected to disable audio input switching using the <b>INPUT SELECT</b> button, it is still possible to set the setup menu items No. 715 (CH1 IN SEL), No. 716 (CH2 IN SEL) and No. 719 (D IN SEL12).</p>

The underlined items indicates the initial setting.

# Setup menus

## USER menu <OPERATION>

No./Item	Description
114 REC INH LAMP	<p>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.</p> <p><u>0000</u> <b>LIGHT</b>: The lamp lights up. 0001 <b>FLASH</b>: The lamp flashes.</p> <p>&lt;Note&gt; When the REC INH switch is set to ON, the REC INH lamp always lights regardless of the general setting status.</p>
115 EJECT SW INH	<p>This selects whether to enable or disable the operation of the EJECT button on the front panel.</p> <p><u>0000</u> <b>REC</b>: Operation is disabled while the unit is in the recording mode. 0001 <b>OFF</b>: Operation is enabled in all modes.</p>
116 EJECT LAMP	<p>This selects whether the EJECT lamp is to remain lighted or be turned off in the cassette out status.</p> <p><u>0000</u> <b>MODE1</b>: The EJECT lamp remains lighted. 0001 <b>MODE2</b>: The EJECT lamp goes off.</p>
117 DIAL LAMP	<p>This selects the conditions under which the dial ring on the front panel is to light.</p> <p>0000 <b>OFF</b>: The dial ring does not light. <u>0001</u> <b>MODE1</b>: The dial ring lights during search (JOG/SLOW/SHTL) mode. 0002 <b>MODE2</b>: The dial ring lights during JOG mode. 0003 <b>MODE3</b>: The dial ring lights when a cassette is inserted.</p>

The underlined items indicates the initial setting.

# Setup menus

## USER menu <INTERFACE>

No./Item	Description
200 PARA RUN	<p>This selects whether two or more VTRs are to be operated in synchronization.</p> <p><u>0000</u> <u>DIS</u> : No operation in synchronization 0001 ENA : Operation in synchronization</p> <p>&lt;Note&gt; When operating two or more VTRs in synchronization, set all the VTRs to ENA.</p>
201 9P SEL	<p>This selects whether the REMOTE (9P) connector functions when the CONTROL switch has been set to REMOTE.</p> <p>0000 OFF : Connector does not function. <u>0001</u> ON : Connector functions.</p>
202 ID SEL	<p>This sets the ID information to be returned to the controller.</p> <p>0000 OTHER <u>0001</u> DVCPRO 0002 ORIG</p> <p>&lt;Notes&gt;</p> <ul style="list-style-type: none"> <li>• ID information of any VTR except for the DVCPRO's is set in OTHER.</li> <li>• The ORIG setting should only be used when a Panasonic controller (AG-A850 etc. sold separately) is connected.</li> </ul>
203 25P SEL	<p>This selects whether the PARALLEL (25P) connector functions when the CONTROL switch has been set to REMOTE.</p> <p>0000 OFF : Connector does not function. <u>0001</u> ON : Connector functions.</p>
204 RS232C SEL	<p>This selects whether the RS-232C connector functions when the CONTROL switch has been set to REMOTE.</p> <p>0000 OFF : Connector does not function. <u>0001</u> ON : Connector functions.</p>
205 BAUD RATE	<p>These settings are for selecting the RS-232C communication speed (baud rate).</p> <p>0000 300 0001 600 0002 1200 0003 2400 0004 4800 <u>0005</u> 9600</p>
206 DATA LENGTH	<p>These settings are for selecting the RS-232C data length. (Unit: bit)</p> <p>0000 7 <u>0001</u> 8</p>
207 STOP BIT	<p>These settings are for selecting the RS-232C stop bit length. (Unit: bit)</p> <p><u>0000</u> 1 0001 2</p>

No./Item	Description
208 PARITY	<p>These settings are for selecting the none, odd or even for the RS-232C parity bit.</p> <p><u>0000</u> NON : Parity bit is not used. 0001 ODD: An odd number of bits is used for the parity system. 0002 EVEN: An even number of bits is used for the parity system.</p>
209 RETURN ACK	<p>These settings are for selecting whether the ACK code is to be returned when a command is received from RS-232C.</p> <p>0000 OFF : ACK code is not returned. <u>0001</u> ON : ACK code is returned.</p>
210 25P STBY CMD	<p>For selecting the method used to detect the STANDBY COMMAND signal input at the PARALLEL (25P) connector.</p> <p><u>0000</u> OFF/ON : Each time active signals are detected, the STANDBY ON or STANDBY OFF mode is selected alternately. 0001 ON : When active signals are detected in the STANDBY OFF mode, the unit is transferred to the STANDBY ON mode. Nothing happens if they are detected during an operation in the STANDBY ON mode.</p>
211 LOCAL 25P	<p>This selects whether the PARALLEL (25P) connector is to function when the CONTROL switch is at the LOCAL position.</p> <p><u>0000</u> OFF : Connector does not function. 0001 ON : Connector functions.</p>
212 MASTER PORT	<p>For selecting the remote control connector to control the slave when the unit is used as the master during deck-to-deck operations.</p> <p><u>0000</u> IN/OUT : The IN/OUT connector is used. 0001 OUT : The OUT connector is used.</p> <p>&lt;Note&gt; This menu item takes effect only when the CONTROL switch has been set to the LOCAL position.</p>

The underlined items indicates the initial setting.

# Setup menus

## USER menu <EDIT>

No./Item	Description
301 IN/OUT DEL	<p>This selects the operation to be performed when an edit point has been set incorrectly (when the OUT point is before the IN point).</p> <p><u>0000</u> <b>MANU</b> : Editing is not executed unless the illegal edit point is cleared or set again properly.</p> <p><u>0001</u> <b>AUTO</b> : The edit points already input are automatically cleared.</p>
303 STD/ NON-STD	<p>This selects <b>STD</b> or <b>NON-STD</b> in accordance with the composite input signal.</p> <p><u>0000</u> <b>AUTO</b> : Standard/non-standard signals are automatically identified and processed.</p> <p><b>0001</b> <b>STD</b> : Standard signals are processed. (Forced STD)</p> <p><b>0002</b> <b>N-STD</b> : Non-standard signals are processed. (Forced NON-STD)</p> <p>&lt;Note&gt; Use the non-standard (N-STD) setting when video or audio trouble occurs with signals from laser discs or a satellite.</p>
304 SERVO REF	<p>This selects the video signal processing.</p> <p><u>0000</u> <b>AUTO</b> : Servo is synchronized with the input signal during recording and editing, or with the REF signal during playback.</p> <p><b>0001</b> <b>EXT</b> : Servo is synchronized at all times with the REF signal.</p>
305 EDIT RPLCE1	<p>This sets the channel assignments for the controller's analog audio preset when editing the digital audio of the VTR using a controller which does not have a digital audio edit preset control function.</p> <p>This selects the channel concerned when the VTR CH1 edit preset is set in compliance with the ON or OFF presetting for the analog audio signals designated by the controller.</p> <p><b>0000</b> <b>N-DEF</b> : Not set.</p> <p><u>0001</u> <b>CH1</b> : Compliance with analog CH1 edit preset.</p> <p><b>0002</b> <b>CH2</b> : Compliance with analog CH2 edit preset.</p> <p><b>0003</b> <b>CH1+2</b> : Compliance with either analog CH1 or CH2 edit preset.</p>

No./Item	Description
306 EDIT RPLCE2	<p>The same type of setting as setup menu No. 305. This selects the channel concerned when the CH2 edit preset is set in compliance with the ON or OFF presetting for the analog audio signals designated by the controller.</p> <p><b>0000</b> <b>N-DEF</b> : Not set.</p> <p><b>0001</b> <b>CH1</b> : Compliance with analog CH1 edit preset.</p> <p><u>0002</u> <b>CH2</b> : Compliance with analog CH2 edit preset.</p> <p><b>0003</b> <b>CH1+2</b> : Compliance with either analog CH1 or CH2 edit preset.</p>
309 EDIT RPLCEC	<p>The same type of setting as setup menu No. 305. This selects the channel concerned when the CUE edit preset is set in compliance with the ON or OFF presetting for the analog audio signals designated by the controller.</p> <p><b>0000</b> <b>N-DEF</b> : Not set.</p> <p><b>0001</b> <b>CH1</b> : Compliance with analog CH1 edit preset.</p> <p><b>0002</b> <b>CH2</b> : Compliance with analog CH2 edit preset.</p> <p><b>0003</b> <b>CH1+2</b> : Compliance with either analog CH1 or CH2 edit preset.</p>
310 CONFI EDIT	<p>This selects whether to conduct simultaneous playback while editing is in progress.</p> <p><b>0000</b> <b>OFF</b> : No simultaneous playback</p> <p><b>0001</b> <b>ON</b> : Simultaneous playback</p> <p>&lt;Note&gt; Simultaneous playback is valid when the MODE switch is set to TAPE.</p>

The underlined items indicates the initial setting.

# Setup menus

## USER menu <EDIT>

No./Item	Description
311 AUD EDIT IN	This selects the connection method for the digital audio edit IN point.  0000 <u>CUT</u> : Cut processing 0001 <u>FADE</u> : V Fade processing
312 AUD EDIT OUT	This selects the connection method for the digital audio edit OUT point.  0000 <u>CUT</u> : Cut processing 0001 <u>FADE</u> : V Fade processing
313 AUTO ENTRY	This selects whether the IN point is to be entered using the PREROLL button when it has not been entered.  0000 <u>DIS</u> : IN point is not entered. 0001 <u>ENA</u> : IN point is entered.
314 CF ADJ SEL	This selects the CF adjustment deck with deck-to-deck editing.  0000 <u>PLAYER</u> : The player's edit IN/OUT points are adjusted. (reference as the RECORDER side) 0001 <u>RECORD</u> : The recorder's edit IN/OUT points are adjusted. (reference as the PLAYER side)
315 AFTER CUE-UP	This selects the mode after cue-up operation is complete.  0000 <u>STOP</u> : STOP mode 0001 <u>STILL</u> : SHTL STILL mode 0002 <u>STILL2</u> : SLOW STILL mode
320 VAR FWD MAX	This sets the maximum SLOW FWD speed.  0000 <u>+4.1</u> : +4.1 (+3.1)× speed 0001 +1.85 : +1.85× speed 0002 +1 : +1× speed <b>&lt;Notes&gt;</b> ● The value for the DV/DVCAM tape is shown in parenthesis ( ). ● At any speed setting other than +4.1, the phase cannot be synchronized from the editing controller.
321 VAR REV MAX	This sets the maximum SLOW REV speed.  0000 <u>-4.1</u> : -4.1 (-3.1)× speed 0001 -1.85 : -1.85× speed 0002 -1 : -1× speed 0003 <u>-0.43</u> : -0.43× speed <b>&lt;Note&gt;</b> The value for the DV/DVCAM tape is shown in parenthesis ( ).

No./Item	Description
323 JOG FWD MAX	This sets the maximum JOG FWD speed.  0000 <u>+4.1</u> : +4.1 (+3.1)× speed 0001 +1.85 : +1.85× speed 0002 +1 : +1× speed <b>&lt;Notes&gt;</b> ● The value for the DV/DVCAM tape is shown in parenthesis ( ). ● The maximum speed is set to +1× when the dial on the front panel is operated. ● At any speed setting other than +4.1, the phase cannot be synchronized from an editing controller which synchronizes the phase using the JOG command.
324 JOG REV MAX	This sets the maximum JOG REV speed.  0000 <u>-4.1</u> : -4.1 (-3.1)× speed 0001 -1.85 : -1.85× speed 0002 -1 : -1× speed 0003 <u>-0.43</u> : -0.43 (-0.5)× speed <b>&lt;Notes&gt;</b> ● The value for the DV/DVCAM tape is shown in parenthesis ( ). ● The maximum speed is set to -1× when the dial on the front panel is operated.
325 POSTROLL TM	This sets the postroll time. Any time from 0 to 5 seconds can be set in 1-second units.  0000 <u>0s</u> 0001 1s 0002 2s 0003 3s 0004 4s 0005 5s

The underlined items indicates the initial setting.

# Setup menus

## USER menu <TAPE PROTECT>

No./Item	Description
400 STILL TIMER	<p>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)</p> <p>0000 0.5s &lt;Notes&gt;            0001 5s • STEP FWD and HALF            0002 10s LOADING are provided in the            0003 20s tape protection mode. Either            0004 30s of these can be set for STOP            0005 40s and SEARCH STILL.            0006 50s • The cumulative standby time            0007 1min at the same tape position            0008 2min 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.</p>
401 SRC PROTECT	<p>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.</p> <p>0000 STEP : STEP FWD            0001 HALF : HALF LOADING</p> <p>&lt;Note&gt;            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).</p>
402 DRUM STDBY	<p>This selects the drum operation in the STANDBY OFF (HALF LOADING) mode.</p> <p>0000 OFF : The drum stops rotating.            0001 ON : The drum continues rotating.</p>

No./Item	Description
403 STOP PROTECT	<p>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.</p> <p>0000 STEP : STEP FWD            0001 HALF : HALF LOADING</p> <p>&lt;Note&gt;            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).</p>
404 DV STILL TMR	<p>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)</p> <p>0000 0.5s            0001 5s            0002 10s            0003 20s</p> <p>&lt;Note&gt;            When using the unit in temperatures below 59°F (15°C), set this item to 10 seconds to protect the tape and video heads.</p>

The underlined items indicates the initial setting.

# Setup menus

## USER menu <TIME CODE>

No./Item	Description
500 VITC BLANK	<p>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).</p> <p><u>0000</u> <b>BLANK</b> : VITC signals are not output.  <u>0001</u> <b>THRU</b> : VITC signals are output.</p>
501 VITC POS-1	<p>This sets the position where the VITC signal is to be inserted.</p> <p>0000 10L  : :  <u>0006</u> 16L  : :  0010 20L</p> <p>&lt;Note&gt;  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.</p>
502 VITC POS-2	<p>This sets the position where the VITC signal is to be inserted.</p> <p>0000 10L  : :  <u>0008</u> 18L  : :  0010 20L</p> <p>&lt;Note&gt;  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.</p>
503 TCG REGEN	<p>This selects the signal to be regenerated when the time code generator (TCG) in the REGEN mode.</p> <p><u>0000</u> <b>TC&amp;UB</b> :  Both the time code and user bit are regenerated.  0001 <b>TC</b> :  Only the time code is regenerated.  0002 <b>UB</b> :  Only the user bit is regenerated.</p>
504 REGEN MODE	<p>This selects whether the time code is to be regenerated during automatic editing using the unit's control panel.</p> <p><u>0000</u> <b>AS&amp;IN</b> :  Time code is regenerated with assemble or insert editing.  0001 <b>ASSEM</b> :  Time code is regenerated with assemble editing.  0002 <b>INSRT</b> :  Time code is regenerated with insert editing.  0003 <b>SW</b> :  Setting complies with TCG switch setting.</p>

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

The underlined items indicates the initial setting.

# Setup menus

## USER menu <TIME CODE>

No./Item	Description
511 VITC OUT	<p>This selects how the VITC which is to be superimposed onto the output video signal is to be output.</p> <p><u>0000</u>    <b>SBC :</b>            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.</p> <p><b>0001</b>    <b>VAUX :</b>            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.</p>
512 TC OUT ADV	<p>This selects how the phase alignment for the time code output from the TIME CODE OUT connector is to be handled.</p> <p>Usually, it is aligned with the output video and audio signals.            However, when external components are to be connected, it is possible to align the phase with the input signal.</p> <p><u>0000</u>    <b>OFF :</b>            Phase alignment is not performed.            The time code output from the TIME CODE OUT connector is aligned with the output video and audio signals.</p> <p><b>0001</b>    <b>EDIT :</b>            When editing mode has been selected, the time code output from the TIME CODE OUT connector is aligned with the input video and audio signals during playback and editing operations.            In all other modes it is aligned with the output video and audio signals.</p>
513 RUN MODE	<p>This sets the operation mode which is to make the internal time code generator advance.</p> <p><u>0000</u>    <b>REC :</b>            The internal time code generator is advanced during recording.</p> <p><b>0001</b>    <b>FREE :</b>            When the power is on, the internal time code generator is advanced regardless of the operation mode.</p>

No./Item	Description
514 VITC GEN	<p>This selects whether or not to record the internal time code generator value in the VAUX area.</p> <p><u>0000</u>    <b>OFF :</b>            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.</p> <p><b>0001</b>    <b>ON :</b>            The internal time code generator value is recorded in the VAUX area.</p> <p><b>&lt;Note&gt;</b>            If SDTI/1394 has been selected as the input signals using the INPUT SELECT button, the time code on the input signals will be recorded regardless of this menu's setting.</p>

### 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's 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

## USER menu <VIDEO>

No./Item	Description
600 INT SG	<p>This selects the internal reference signal.</p> <p><u>0001</u> <b>BB</b> : The black burst is generated.</p> <p><u>0002</u> <b>CB100</b> : 100% color bars are generated.</p> <p><u>0003</u> <b>CB75</b> : 75% color bars are generated.</p>
601 OUT VSYNC	<p>This selects whether to float the vertical sync position of the video output in order to align the video output phase with the input in the EE/record/edit modes.</p> <p><u>0000</u> <b>N-VF</b> : Signals are not floated.</p> <p><u>0001</u> <b>VF</b> : Signals are floated.</p>
602 V-MUTE SEL	<p>This selects whether to mute the video output signals when a blank on the tape has been detected during playback.</p> <p><u>0000</u> <b>N-MUTE</b> : No muting. (Freeze)</p> <p><u>0001</u> <b>LOW RF</b> : Muting. (Set to gray.)</p>
603 CC (F1) BLANK	<p>This selects ON or OFF for the closed caption signal of the first field.</p> <p><u>0000</u> <b>BLANK</b> : Signal is forcibly blanked.</p> <p><u>0001</u> <b>THRU</b> : Signal is not blanked.</p>
604 CC (F2) BLANK	<p>This selects ON or OFF for the closed caption signal of the second field.</p> <p><u>0000</u> <b>BLANK</b> : Signal is forcibly blanked.</p> <p><u>0001</u> <b>THRU</b> : Signal is not blanked.</p>
605 FREEZE SEL	<p>This selects the freeze mode for still pictures.</p> <p><u>0000</u> <b>FIELD</b> : Field freeze.</p> <p><u>0001</u> <b>FRAME</b> : Frame freeze.</p> <p>&lt;Note&gt; When frame freeze has been selected, the frame slow status is established with the slow setting.</p>
606 OUT C KILL	<p>This selects chroma color killer processing for the video output signals.</p> <p><u>0000</u> <b>B/W</b> : No color signals are output.</p> <p><u>0001</u> <b>COLOR</b> : Color signals are output.</p>
609 EDH	<p>This selects whether to superimpose EDH onto the SDI output signals.</p> <p><u>0000</u> <b>OFF</b> : EDH is not superimposed.</p> <p><u>0001</u> <b>ON</b> : EDH is superimposed.</p> <p>&lt;Notes&gt;</p> <ul style="list-style-type: none"> <li>• Even when ON is selected for this setting, EDH is not superimposed onto the signals output from the SDI OUT 3 connector if the SUPER switch on the front panel of the unit is set to ON.</li> <li>• When no optional board (AJ-YA755G) has been installed, setup menu No. 609 is not displayed.</li> </ul>

No./Item	Description
610 Pb/Pr IN LV	<p>This selects the analog component input level.</p> <p><u>0000</u> <b>M II</b> : M II level</p> <p><u>0001</u> <b>B-CAM</b> : β-CAM level</p>
611 YC SEP MODE	<p>This selects Y/C separation processing for the composite input signals.</p> <p><u>0000</u> <b>B/W</b> : The signals are processed as B/W signals.</p> <p><u>0001</u> <b>AUTO</b> : The signals are automatically detected.</p>
614 Pb/Pr OUT LV	<p>This selects the analog component output level.</p> <p><u>0000</u> <b>M II</b> : M II level</p> <p><u>0001</u> <b>B-CAM</b> : β-CAM level</p>
618 INTERPOLATE	<p>This selects the interpolation operation.</p> <p>Vertical interpolation is conducted automatically during slow-motion playback to reduce the vertical movement of the playback pictures. However, this menu item enables the interpolation operation to be forcibly turned off.</p> <p><u>0000</u> <b>OFF</b> : Interpolation is forcibly turned off.</p> <p><u>0001</u> <b>AUTO</b> : Interpolation is automatically turned on during slow-motion playback.</p>
620 ESR MODE	<p>This selects the operation mode for edge subcarrier reduction (ESR) in the playback circuit.</p> <p><u>0000</u> <b>OFF</b> : The mode is forcibly set to OFF.</p> <p><u>0001</u> <b>AUTO</b> : The mode is automatically set to ON or OFF depending on the VTR operation.</p>
621 CCR MODE	<p>This selects the cross color processing during playback.</p> <p><u>0000</u> <b>OFF</b> : The cross color is output with no changes made.</p> <p><u>0001</u> <b>ON</b> : The cross color can be reduced.</p>

The underlined items indicates the initial setting.

# Setup menus

## USER menu <VIDEO>

No./Item	Description
<b>622</b> <b>SETUP</b>	<b>For setting 7.5% setup processing to be performed on input and output signals.</b> 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.
<b>Sub-screen</b>	
<b>00</b> <b>CMPST IN</b>	<b>This selects the 7.5% setup processing for the input composite signal.</b>  <b>0000 THRU :</b> The signal is recorded in its original form. <b>0001 CUT :</b> The signal is recorded with the 7.5% setup removed.
<b>01</b> <b>CMPST OUT</b>	<b>This selects the 7.5% setup processing for the output composite signal.</b>  <b>0000 THRU :</b> The signal is output in its original form. <b>0001 ADD :</b> The signal is output with the 7.5% setup added. <b>&lt;Note&gt;</b> Bear in mind the setting for sub-screen item No. 03 (CMPNT OUT) of setup menu item No. 622 (SETUP 25).
<b>02</b> <b>CMPNT IN</b>	<b>This selects the 7.5% setup processing for the input component signal.</b>  <b>0000 THRU :</b> The signal is recorded in its original form. <b>0001 CUT :</b> The signal is recorded with the 7.5% setup removed.
<b>03</b> <b>CMPNT OUT</b>	<b>This selects the 7.5% setup processing for the output composite, component and serial (digital) signal.</b>  <b>0000 THRU :</b> The signal is output in its original form. <b>0001 CUT :</b> The signal is output with the 7.5% setup removed. <b>0002 ADD :</b> The signal is output with the 7.5% setup added.

No./Item	Description
<b>624</b> <b>CC REC</b>	<b>For selecting whether to record the closed caption signals multiplexed on the input signals on the tape.</b>  <b>0000 OFF :</b> No closed caption signal is recorded. In addition, the EE output signals are blanked. <b>0001 ON :</b> When a closed caption signal is detected from the selected input signal, it can be recorded. <b>&lt;Note&gt;</b> If SDTI/1394 signals have been selected as the input signals, the closed caption signals which have been multiplexed onto the input signals will be recorded on the tape regardless of the setting.
<b>645</b> <b>WIDE SELECT</b>	<b>This selects whether or not to record the wide-screen information on the tape.</b>  <b>0001 WIDE :</b> The wide-screen information is not recorded on the tape. <b>0002 NORMAL :</b> The wide-screen information is recorded on the tape. <b>&lt;Note&gt;</b> If SDTI/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.
<b>660</b> <b>UMID REC</b>	<b>This selects whether or not to record the UMID information on the tape.</b>  <b>0000 OFF :</b> UMID information is not recorded on the tape. In addition, EE output signals are blanked. <b>0001 ON :</b> UMID information is recorded on the tape. <b>&lt;Notes&gt;</b> ● If SDTI/1394 has been selected as the input signals using the INPUT SELECT button, the UMID information on the input signals will be recorded regardless of this menu's setting. ● If THRU has been selected as the setup menu item No. 106 (EE MODE SEL) setting, UMID information of the EE output signals will be blanked.

The underlined items indicates the initial setting.

# Setup menus

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## USER menu <VIDEO>

No./Item	Description
661 UMID GEN	<p>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.</p> <p><b>0000 INT :</b> Newly created basic UMID information of this unit is always recorded.</p> <p><b><u>0001</u> EXT :</b> 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.</p> <p>&lt;Note&gt; The source pack (of the UMID information) of the input signal will be recorded on the tape, regardless of this menu's setting.</p>
662 UMID POS	<p>This sets the line on which the UMID information is to be superimposed.</p> <p><b>0000 BLANK</b> <b>0001 12L</b> : : <b><u>0006 17L</u></b> : : <b>0008 19L</b></p> <p>&lt;Note&gt; 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.</p>

The underlined items indicates the initial setting.

# Setup menus

## 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
711 MONIL OUT LV	This selects the audio monitor output (Lch) reference level switching.  0000 4dB 0001 0dB 0002 -20dB
712 MONIR OUT LV	This selects the audio monitor output (Rch) reference level switching.  0000 4dB 0001 0dB 0002 -20dB
713 MONI OUT	This selects whether or not to couple the volume level of the audio monitor output with the volume control of the headphone jack.  0000 UNITY : Volume is output at a fixed level, regardless of the position of the volume control. 0001 VAR : Audio monitor output volume is coupled to the volume control.
715 CH1 IN SEL	This selects the CH1 input when USER SET has been selected by pressing the unit's AUDIO input selector button.  0000 ANA : Analog input. 0001 DIGI : Digital input.
716 CH2 IN SEL	This selects the CH2 input when USER SET has been selected by pressing the unit's AUDIO input selector button.  0000 ANA : Analog input. 0001 DIGI : Digital input.

No./Item	Description
719 DIGI IN SEL	This selects the CH1 and CH2 digital input when USER SET has been selected by pressing the unit's AUDIO input selector button.  0000 AES : AES/EBU input 0001 SIF : SDI input  <Note> When no optional board (AJ-YA755G) has been installed, setup menu No. 719 is not displayed.
721 MONI CH SEL	This selects the monitor output.  0000 MANU : The output signal is as selected in MONITOR SELECT buttons. 0001 AUTO : PCM AUDIO output is selected within the -0.43 (-0.5)× to +1× speed range; CUE is automatically selected for all other tape speeds. <Note> The value for the DV/DVCAM tape is shown in parenthesis ( ). 0002 PCM : The PCM AUDIO signal is output over the -10× to +10× range. <Note> This setup menu's setting takes effect when CH1 or CH2 has been selected by the L and R MONITOR SELECT buttons on the front panel. (If CUE has been selected, the cue signal will be output at all the speeds regardless of the setup menu's setting.)
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.
726 REC CUE	This selects the input signal recorded in CUE.  0001 CH1 : Audio CH1 input 0002 CH2 : Audio CH2 input 0003 CH1+2 : Audio CH1 and CH2 MIX 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

The underlined items indicates the initial setting.

# Setup menus

## USER menu <AUDIO>

No./Item	Description
728 <b>EMBEDDED AUD</b>	<p>This selects whether to superimpose the audio data onto the SDI output.</p> <p><u>0000</u>    <b>OFF</b> : Data is not superimposed.  <u>0001</u>    <b>ON</b> : Data is superimposed.</p> <p>&lt;Note&gt;            When no optional board (AJ-YA755G) has been installed, setup menu No. 728 is not displayed.</p>
731 <b>CUE OUT SEL</b>	<p>This selects whether or not the cue signal is to be output to the main line output in the search mode.</p> <p><u>0000</u>    <b>OFF</b> : CUE is not output.  <u>0001</u>    <b>ON</b> : CUE is output.</p> <p>&lt;Notes&gt;</p> <ul style="list-style-type: none"> <li>This function works only when a setting other than MANU has been selected by setup menu No. 721 (MONI CH SEL).</li> <li>The main signal system output channels used for the CUE output differ depending on the setting selected by setup menu No. 735 (MON AUTO SEL).                When L/R is selected:                    CUE is output to CH1 and CH4.                When L is selected:                    CUE is output to CH1.                When R is selected:                    CUE is output to CH2.</li> <li>When PCM has been selected as the setup menu No. 721 (MONI CH SEL) setting, PCM is output.</li> </ul>

No./Item	Description
733 <b>CUE OUT</b>	<p>This selects the timing for the output picture and CUE output when CUE has been selected for monitor output.</p> <p><u>0000</u>    <b>NORMAL</b> : The timing is aligned with the output picture.  <u>0001</u>    <b>DIRECT</b> : Whatever has been recorded on the tape is output with no delay.</p> <p>&lt;Note&gt;            When DIRECT has been selected, the timing of the output picture and that of the cue output are not aligned properly.</p>
734 <b>MONI SEL INH</b>	<p>This selects whether the operation of the MONITOR SELECT button on the front panel is to be enabled or disabled.</p> <p><u>0000</u>    <b>OFF</b> : Operation is enabled.  <u>0001</u>    <b>ON</b> : Operation is disabled.  <u>0002</u>    <b>ON1</b> :                Operation is disabled in the FULL display mode and enabled only in the FINE display mode.</p>
735 <b>MON AUTO SEL</b>	<p>Although CUE is automatically output to the monitor output in accordance with the operation mode when a setting AUTO has been selected by setup menu item No. 721 (MONI CH SEL), the MON AUTO SEL setup menu item is used to select the monitor channel which is to be automatically switched to CUE.</p> <p><u>0000</u>    <b>L/R</b> :                CUE is output to both the left and right channels.  <u>0001</u>    <b>L</b> :                CUE is output to the left channel only.  <u>0002</u>    <b>R</b> :                CUE is output to the right channel only.</p>

The underlined items indicates the initial setting.

### <Concerning the CUE output in the search mode>

The table below shows how the CUE output to the monitor and main signal system outputs differs according to how the setup menu item (No. 721, No. 731 and No. 735) settings are combined.

731 CUE OUT SEL	721 MONI CH SEL	735 MON AUTO SEL	Monitor output		Main signal system output	
			Lch	Rch	CH1	CH2
OFF	MANU	—	PCM *1	PCM *1	PCM *1	PCM *1
	AUTO	L/R	CUE	CUE		
		L	CUE	PCM *1		
		R	PCM *1	CUE		
PCM	—	PCM *2	PCM *2	PCM *2	PCM *2	
ON	MANU	—	PCM *1	PCM *1	PCM *1	PCM *1
	AUTO	L/R	CUE	CUE	CUE	CUE
		L	CUE	PCM *1	CUE	PCM *1
		R	PCM *1	CUE	PCM *1	CUE
PCM	—	PCM *2	PCM *2	PCM *2	PCM *2	

### <Notes>

\*1: PCM audio signal output is muted when the VTR is played outside the -0.43 to +1 normal speed.

\*2: PCM audio signal output is muted when the VTR is played outside the -10 to +10 normal speed.

When either AUTO is selected, the PCM audio signal is output within -0.43 to +1 normal speed even in the automatic CUE output mode.

# Setup menus

## USER menu <AUDIO>

No./Item	Description
750 DV PB ATT	<p>This selects the audio output level during DV playback.</p> <p><u>0000</u>    <b>OFF</b>: The audio output level is not attenuated.</p> <p>0001    <b>ON</b>: The audio output level is attenuated (reduced).</p>
751 REC PT MUTE	<p>This selects whether to mute the sound where recordings are joined during DV/DVCAM playback.</p> <p><u>0000</u>    <b>OFF</b>: The sound is not muted.</p> <p>0001    <b>ON</b>: The sound is muted.</p>
752 DV OUTPUT	<p>This selects the <b>AUDIO CH1 and CH2 output signals during DV or DVCAM format playback.</b></p> <p><u>0000</u>    <b>ST1</b> : The CH1 track signals are output to CH1 and the CH2 track signals to CH2. (Only the sound during shooting is output.)</p> <p>0001    <b>ST2</b> : The CH3 track signals are output to CH1 and the CH4 track signals to CH2. (Only the audio dubbing sound is output.)</p> <p>0002    <b>ST1+2</b> : 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.)</p> <p>&lt;Note&gt; This menu item takes effect only when a DV or DVCAM cassette tape with a 32 kHz/4-channel recording is played back.</p>
753 REF LEVEL	<p><b>For setting the audio reference level.</b></p> <p><u>0000</u>    <b>FS-20</b> : -20 dB</p> <p>0000    <b>FS-18</b> : -18 dB</p> <p>0000    <b>FS-12</b> : -12 dB</p>

The underlined items indicates the initial setting.

# Setup menus

## USER menu <V BLANK>

No./Item	Description
800 ADD LINE	<p>For selecting the mode for recording signals on additional lines.</p> <p>0000 OFF: No signals are recorded on additional lines.</p> <p>0001 YC422: The 422 mode signals are recorded on 1 line.</p> <p>0002 YC411: The 411 mode signals are recorded on 1 line.</p> <p>0003 Y1_B/W: Only the Y signal is recorded on 1 line directly.</p> <p>0004 Y1_BPF: Only the Y signal is recorded on 1 line after it has been separated from the C signal.</p> <p>0005 C1: Only the C signal is recorded on 1 line.</p> <p>0006 Y2_B/W: Only the Y signal is recorded on 2 lines directly.</p> <p>0007 Y2_BPF: Only the Y signal is recorded on 2 lines after it has been separated from the C signal.</p> <p>0008 C2: Only the C signal is recorded on 2 lines.</p> <p>&lt;Note&gt;</p> <ul style="list-style-type: none"> <li>When a setting from "0001 (YC422)" to "0008 (C2)" is selected and the STOP button is pressed, operation transfers to the sub-screen, and the recording line or lines can be selected. To return from the sub-screen, press the STOP button again.</li> </ul>
<b>Sub-screen</b>	
00 REC LINE1	<p>For selecting the additional line where the signals are to be recorded.</p> <p>0000 10L : : 0012 22L 0013 263L 0014 273L : : 0025 284L 0026 525L</p>
01 REC LINE2	<p>For selecting the additional line where the signals are to be recorded.</p> <p>0000 10L : : 0012 22L 0013 263L 0014 273L : : 0016 275L : : 0025 284L 0026 525L</p> <p>&lt;Note&gt;</p> <p>This menu item is not displayed when additional line mode setting "1" through "5" has been selected.</p>

No./Item	Description
802 TELETEXT SEL	<p>For selecting the type of teletext signals to be recorded.</p> <p>0000 MOJI: MOJI system</p> <p>0001 NABTS: NABTS system</p> <p>&lt;Note&gt;</p> <p>VITC signals are often mistakenly detected as teletext signals when the NABTS system has been selected.</p> <p>If this happens, select MANU as the setting for setup menu No. 803 (TELETEXT DET), then select the line for teletext signals.</p>

The underlined items indicates the initial setting.

# Setup menus

## USER menu <V BLANK>

No./Item	Description
803 TELETEXT DET	<p>For selecting the method used to detect the lines in which the teletext signals are to be recorded.</p> <p><u>0000</u> OFF : The teletext signals are not recorded.</p> <p>0001 AUTO : The teletext signals are automatically detected and recorded.</p> <p>0002 MANU : The lines in which the teletext signals are to be recorded are selected and set.</p> <p>&lt;Notes&gt;</p> <ul style="list-style-type: none"> <li>• The number of lines in which the teletext signals can be recorded depends on the number of recording lines which was entered as the setup menu No. 800 (ADD LINE) setting. [See “Number of lines which can be set for teletext.”]</li> <li>• 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.</li> <li>• When the input signal is a non-standard signal or N-STD has been selected for the setup menu No. 303 (STD/NONSTD) setting, teletext signals will not be played back correctly in EE mode.</li> </ul>
<b>Sub-screen</b>	
00 REC LINE1 : 12 REC LINE13	<p>For selecting the lines in which the teletext signals are to be recorded.</p> <p><u>0000</u> OFF</p> <p>0001 10&amp;273 0002 11&amp;274 0003 12&amp;275 0004 13&amp;276 0005 14&amp;277 0006 15&amp;278 0007 16&amp;279 0008 17&amp;280 0009 18&amp;281 0010 19&amp;282 0011 20&amp;283 0012 21&amp;284 0013 22</p>

No./Item	Description
804 BLANK LINE	<p>This turns the blanking ON or OFF in the vertical blanking period of the video output signals.</p> <p><u>0000</u> BLANK : Blanking is effected forcibly for all lines.</p> <p>0001 THRU : No blanking is effected for any of the lines.</p> <p>0002 MANU : Blanking ON or OFF is selected for each line.</p> <p>&lt;Note&gt; 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.</p>
<b>Sub-screen</b>	
00 LINE 10&273 : 11 LINE 21&284	<p><u>0000</u> BLANK : Blanking is forcibly effected.</p> <p>0001 THRU : No blanking is effected.</p>

### Number of lines which can be set for TELETEXT

The number of lines differs, depending on whether ON or OFF has been selected for the setup menu item No. 660 (UMID REC) setting.

No. 800: ADD LINE setting value	Number of lines which can be set	
	UMID REC: ON	UMID REC: OFF
OFF	10	13
YC422	4	5
YC411	5	8
Y1_B/W, Y1_BPF, C1	10	13
Y2_B/W, Y2_BPF, C2	4	5

The underlined items indicates the initial setting.

# Setup menus

## USER menu <MENU>

No./Item	Description
<b>A00</b> <b>LOAD</b>	<p><b>This selects the user file whose contents will be loaded into USER1.</b></p> <p><u>0000</u> <b>USER2</b>: The USER2 file contents are loaded.</p> <p>0001 <b>USER3</b>: The USER3 file contents are loaded.</p> <p>0002 <b>USER4</b>: The USER4 file contents are loaded.</p> <p>0003 <b>USER5</b>: The USER5 file contents are loaded.</p> <p>&lt;Note&gt; When the SET button is pressed after loading, the setting will be stored in the memory. When the MENU button is pressed, the setting will not be changed.</p>
<b>A01</b> <b>SAVE</b>	<p><b>This selects the user file into which the USER1 settings will be saved.</b></p> <p>0000 <b>USER2</b>: The settings are saved in USER2.</p> <p>0001 <b>USER3</b>: The settings are saved in USER3.</p> <p>0002 <b>USER4</b>: The settings are saved in USER4.</p> <p>0003 <b>USER5</b>: The settings are saved in USER5.</p> <p>0004 <b>LOCKED</b> : This display appears when all the user files are in the change prohibit status.</p> <p>&lt;Notes&gt;</p> <ul style="list-style-type: none"> <li>• User files whose status have been set to change prohibit cannot be selected.</li> <li>• When all the user files are in the change prohibit status, the "LOCKED" display appears and the contents cannot be saved.</li> </ul>
<b>A02</b> <b>P. ON LOAD</b>	<p><b>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.</b></p> <p><u>0000</u> <b>OFF</b> : Operation is started with the settings of the previously set user file.</p> <p>0001 <b>USER2</b> : The contents of USER2 are loaded into USER1 and operation is started with the USER1 settings.</p> <p>0002 <b>USER3</b> : The contents of USER3 are loaded into USER1 and operation is started with the USER1 settings.</p> <p>0003 <b>USER4</b> : The contents of USER4 are loaded into USER1 and operation is started with the USER1 settings.</p> <p>0004 <b>USER5</b> : The contents of USER5 are loaded into USER1 and operation is started with the USER1 settings.</p>

No./Item	Description
<b>A03</b> <b>MENU LOCK</b>	<p><b>This selects whether to set or release the user file (USER2 – USER5) lock mode.</b></p> <p>0000 <b>OFF</b> : The lock is released (changes can be made).</p> <p>0001 <b>ON</b> : The lock is set (changes are prohibited).</p> <p>&lt;Note&gt; The lock cannot be set for USER1.</p>

### <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.

The underlined items indicates the initial setting.