

Adjusting and Setting Through Menus

Operating the Menus

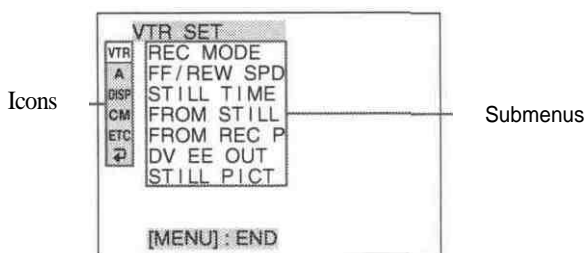
The unit allows you to set various parameters in the menus. Before you start using the unit, set the internal clock in CLOCK SET on the OTHERS menu. Except for clock setting, you can use all other factory-set default parameters but change them as needed.

Note

If the internal backup battery is exhausted, the menu settings will be initialized. The internal backup battery is fully charged if you connect the power to the unit for about 10 hours. The menu settings will be kept for about one month.

Displaying the menu

Press the MENU button on the Remote Commander.
The menu is superimposed on the analog video output.



Changing the menu settings

- 1** Pressing the **↑/↓** buttons on the Remote Commander, select the menu icon you want to change, then press the SET button on the Remote Commander.
- 2** Pressing the **↑/↓** buttons, select the submenu you want to change, then press the SET button.
- 3** Pressing the **↑/↓** buttons, change the setting.
- 4** Press the SET button to return to the submenu.
- 5** Repeat steps 2 to 4, as needed.

To return to step 1

Pressing the **↑/↓** buttons, select **⇨RETURN**, then press the SET button.

To exit from the menu

Press the MENU button again.

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Menu Organization

The menu of this unit consists of the following menus and submenus.

Menu	Submenu (page)
VTR SET	— REC MODE (page 43)
	— FF/REW SPD (page 43)
	— STILL TIME (page 43)
	— FROM STILL (page 44)
	— FROM REC P (page 44)
	— DV EE OUT (page 44)
1— STILL PICT (page 44)	
AUDIO SET	— AUDIO MODE (page 44)
	— JOG AUDIO (page 45)
	1— AUDIO MIX (page 45)
DISPLAY SET-T	— [^REMAIN (page 45)
	— DATA CODE (page 45)
	— COLOR BAR (page 45 ^a)
	— DATE DISP (page 45)
	— TIME DISP (page 45)
CM SET	— CM SEARCH (page 46)
	— TITLE DISP (page 46)
	— LABEL DISP (page 46)
	— TAPE LABEL (page 46)
	— ITEM ERASE (page 47)
	— ERASE ALL (page 48)
OTHERS	— DV IN TC (page 49)
	— TC FORMAT (page 49)
	— CLOCK SET (page 49)
	1— HRS METER (page 49)


a) COLOUR BAR for PAL model

b) available only when you use an NTSC formatted signal

Menu Contents

Initial settings are indicated with rectangles.

VTR SET menu

Icon/Menu	Submenu (page)	Setting
 VTR SET	REC MODE	<p>Switches the recording mode between DVCAM and DV (SP mode only). When you play back a tape, the DVCAM/DV setting will be automatically switched; you do not need to use this item.</p> <p>DVCAM Records in DVCAM format. DV SP: Records in DV format (SP mode).</p> <p>Notes</p> <ul style="list-style-type: none"> • This unit is not compatible with playing or recording in LP mode of the consumer DV format. • You cannot change the setting while recording. • It is recommended that you record in the DVCAM format. There are some limitations with respect to DV recording depending on machine specifications and the consumer DV format as follows: <ul style="list-style-type: none"> - The head system is optimized for DVCAM recording. A DV recording overwrites the last track just before the beginning of the recording. As a result, at the border of these two recorded portions, picture and sound may be distorted. - The sound will be recorded unsynchronized. (unlock mode) - The time code is fixed to the drop frame mode. (only for NTSC) - The DV IN TC setting on the OTHERS menu turns invalid. The unit records internal time code. • If you dub a consumer DV tape from the DV IN/OUT connector on this unit, keep the following in mind: <ul style="list-style-type: none"> - Set the REC MODE to DV SP. If the REC MODE has been set to DVCAM, a tape with an invalid format (recording speed: DVCAM, sound: unsynchronized, unlock mode) will be made. (The unit cannot convert unlock mode sound to lock mode sound.) - If you edit a tape with an invalid format in the DSR-70/70P, DSR-80/80P, DSR-85/85P, DSR-2000/2000P, etc., there may be some restrictions. <p><i>For details on DVCAM/DV format compatibility, see "Compatibility of DVCAM and DV Format" on page 55.</i></p>
	FF/REW SPD	<p>Selects the tape transport mode in fast-forward and rewind.</p> <p>FF/REW Fast-forwards or rewinds the tape at maximum speed without displaying the picture.</p> <p>SHUTTLEMAX: Fast-forwards or rewinds the tape at maximum speed (about 14 times normal speed for NTSC; about 17 times normal speed for PAL) while displaying the picture.</p>
	STILL TIME	<p>Selects the time to switch to the tape protection mode from the still mode.</p> <p>30 SEC: 30 seconds 1 MIN : 1 minute 2 MIN: 2 minutes 3 MIN: 3 minutes 5 MIN: 5 minutes</p> <p>Notes</p> <ul style="list-style-type: none"> • If the unit is left in playback pause mode for a long time, the tape or the video heads may be damaged or the video heads may become clogged. Select the shortest time possible—particularly when using a Mini-DV cassette that is longer than 60 minutes, select 30 SEC or 1 MIN. • When the setting is changed, the first tape protection mode change uses the time setting from before the settings were changed. From the second tape protection mode change, the new time setting is used.


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Operating the Menus

Icon/Menu	Submenu (page)	Setting
VTR VTR SET	FROM STILL	Selects the tape protection mode which to change the mode from the still mode. <input type="checkbox"/> STEP FWD : Forwards one frame. STOP : Stops the tape.
	FROM REC P	Selects the tape protection mode that the system changes to after the recording has been paused for more than five minutes. <input type="checkbox"/> STOP : Stops the tape. REC PAUSE : Maintains the recording pause mode.
DV EE OUT (page 36)		Selects the output from the DV IN/OUT connector in the EE mode. <input type="checkbox"/> OFF : Does not output DV signals converted from analog input signals. <input type="checkbox"/> ON : Outputs DV signals from the DV IN/OUT connector that were converted from selected analog input signals.
		<p>Notes</p> <ul style="list-style-type: none"> • During playback, the unit outputs DV signals from the DV IN/OUT connector regardless of this setting. • When you connect a computer to the DV IN/OUT connector, depending on your computer software, the selected analog input signals may be output to the computer even if this item is set to OFF.
	STILL PICT	Selects the image displayed in the still mode. <input type="checkbox"/> : Displays an optimized image according to the movement in the image. <input type="checkbox"/> FRAME : Displays a frame image. <input type="checkbox"/> FIELD : Displays a field image.
		<p>Note</p> <p>If you select FIELD, the image of field 2 is displayed.</p>

AUDIO SET menu

Icon/Menu	Submenu (page)	Setting
A AUDIO SET	AUDIO MODE (page 38)	Selects the audio mode. <input type="checkbox"/> Switches the audio mode to the four channel mode (12-bit mode). <input type="checkbox"/> FS48K : Switches the audio mode to the two channel stereo mode (16-bit mode). (This setting records the sound in all audio ranges, providing a high-quality sound recording.)
		<p>Notes</p> <ul style="list-style-type: none"> • This item is disabled when inputting signals from the DV IN/OUT connector. • You cannot display the selection screen while in the recording mode. • Noise may occur at the moment you switch the audio mode. • When you are going to dub sounds onto the tape, set this item to FS32K. (To dub a sound onto a tape, you need another VCR which has audio dubbing capabilities. This unit does not have this function.)

Icon/Menu	Submenu (page)	Setting
A AUDIO SET	JOG AUDIO	Turns sound output on/off when the tape is played at a speed other than normal. OFF : Does not output the sound when playing a tape at a speed other than normal. ON : Outputs the sound when playing a tape at a speed other than normal. Note Even if you have set this item to ON, the sound may not be output or may be interrupted depending on the recording format or tape conditions.
	AUDIO MIX (page 23 (GB))	Adjust the balance of the analog audio output level between channels 1/2 and channels 3/4 during playback. Press the \uparrow/\downarrow buttons to move the bar, then press the SET button. 



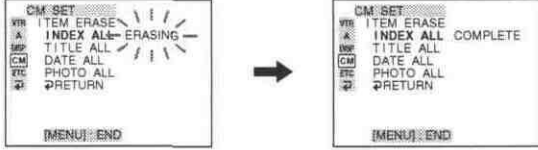
DISPLAY SET menu

Icon/Menu	Submenu (page)	Setting
DISP DISPLAY SET	REMAIN (page 27 (GB))	Selects whether or not to display the tape remaining time on the analog video output. ON : Displays the tape remaining time. OFF : Does not display the tape remaining time.
	DATA CODE (page 25 (GB))	Selects whether or not to display the data codes on the analog video output. OFF : Does not display the data codes. DATE : Displays the date and time when recorded. CAMERA : Displays the camera data.
	COLOR BAR (for NTSC model) / COLOUR BAR (for PAL model)	Selects whether or not to display the color bars. OFF : Does not display the color bars. ON : Displays the color bars. Notes <ul style="list-style-type: none"> You cannot display the color bars while the unit is playing the tape or when the INPUT SELECT selector is set to DV. The color bars are displayed only on the analog video output. If you record when the color bars are displayed, the color bars will also be recorded on the tape. Do not use the color bars output from the OUTPUT jacks as a reference signal. The reference sound signals are not output even if this item is set to ON. This item will be automatically set to OFF if you set the INPUT SELECT selector to DV or you operate the tape transport control that display the pictures recorded on the tape.
	DATE DISP	Selects the date display in the search screen, the data code display and so on. Y/M/D : Displays YY/MM/DD (year/month/day). M/D/Y : Displays MM/DD/YY (month/day/year). D/M/Y : Displays DD/MM/YY (day/month/year). Note The default is M/D/Y for the NTSC model; D/M/Y for the PAL model.
	TIME DISP	Selects the time display in the search screen, the data code display and so on. 24H : Displays 24-hour time. 12H : Displays 12-hour time.

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

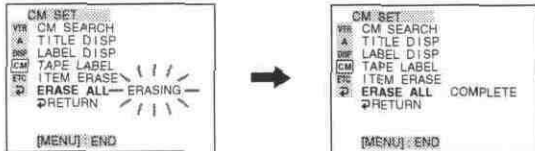
CM SET menu

Icon/Menu	Submenu (page)	Setting
CM CM SET	CM SEARCH (page 29 (GB))	<p>Selects the mode which searches recordings.</p> <p>ON: Searches recordings using the cassette memory. (If the tape does not have cassette memory, the beginning of recording is searched for using the search signals on the tape.)</p> <p>OFF: Always searches recordings using the search signals on the tape.</p>
	TITLE DISP	<p>Selects whether or not to display the title.</p> <p>ON: Displays the superimposed title for about five seconds when the unit plays back the point where the title is recorded.</p> <p>OFF: Does not display the title.</p> <p>Notes</p> <ul style="list-style-type: none"> The title that has been made with the camera or an external device is displayed. You cannot make a title with this unit. The unit cannot display a font that the unit does not have. The title is displayed only on the analog video output.
	LABEL DISP	<p>Selects whether or not to display the tape label.</p> <p>ON: Displays the tape label for about five seconds when a cassette that has a tape label is inserted.</p> <p>OFF: Does not display the tape label.</p> <p>Notes</p> <ul style="list-style-type: none"> The tape label is displayed only on the analog video output. If the tape label has been made with an other VCR or camcorder, this unit cannot display a tape label that includes a font that the unit does not have.
	TAPE LABEL	<p>Makes a tape label. (You can enter up to 10 characters on a tape label.)</p> <p>If you select this item, one of the following symbols appears. If no cassette is loaded, nothing is displayed.</p> <p>CM: Tape with cassette memory</p> <p>CM: Tape without cassette memory</p> <p>You can make a tape label as follows:</p> <ol style="list-style-type: none"> On the TAPE LABEL screen, select the line that has the alphabet character you want by pressing the ↑/↓ and SET buttons. (The cursor moves to the first character of the line.) <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;"> <p>TAPE LABEL CM</p> <p>AB C D E 1 2 3 4 5</p> <p>F G H I J 6 7 8 9 0</p> <p>K L M N O . / -</p> <p>P Q R S T [-]</p> <p>U V W X Y [SET]</p> <p>Z & ? !</p> <p>[MENU]:END</p> </div> <div style="font-size: 2em; margin-right: 10px;">→</div> <div style="border: 1px solid black; padding: 5px;"> <p>TAPE LABEL CM</p> <p>AB C D E 1 2 3 4 5</p> <p>F G H I J 6 7 8 9 0</p> <p>K L M N O . / -</p> <p>P Q R S T [-]</p> <p>U V W X Y [SET]</p> <p>Z & ? !</p> <p>[MENU]:END</p> </div> </div> <ol style="list-style-type: none"> Select a character by pressing the ↑/↓ and SET buttons. (The selected character is entered. To erase a character, select [←]; the last character is erased.) <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;"> <p>TAPE LABEL CM</p> <p>AB C D E 1 2 3 4 5</p> <p>F G H I J 6 7 8 9 0</p> <p>K L M N O . / -</p> <p>P Q R S T [-]</p> <p>U V W X Y [SET]</p> <p>Z & ? !</p> <p>[MENU]:END</p> </div> <div style="font-size: 2em; margin-right: 10px;">→</div> <div style="border: 1px solid black; padding: 5px;"> <p>TAPE LABEL CM</p> <p>S</p> <p>AB C D E 1 2 3 4 5</p> <p>F G H I J 6 7 8 9 0</p> <p>K L M N O . / -</p> <p>P Q R S T [-]</p> <p>U V W X Y [SET]</p> <p>Z & ? !</p> <p>[MENU]:END</p> </div> </div>

Icon/Menu	Submenu (page)	Setting
 CM SET	TAPE LABEL	<p>3 Repeat steps 1 and 2. After entering all characters for the tape label, select [SET].</p> <p>Note</p> <p>The unit cannot display the TAPE LABEL screen in the following cases:</p> <ul style="list-style-type: none"> • The unit does not have a tape inserted or the tape is being unloaded. • The tape does not have cassette memory. • The cassette memory is full of data other than the tape label data. • The tape is write-protected. • The tape is being recorded. • The cassette memory is being used.
	ITEM ERASE	<p>Erases a cassette memory item.</p> <p>If you select this item, one of the following symbols appears. If no cassette is loaded, nothing is displayed.</p> <p>CM: Tape with cassette memory CM: Tape without cassette memory</p> <p>The available items are as follows:</p> <p>INDEX ALL: Erases the index data. TITLE ALL: Erases the title data. DATE ALL: Erases the date data. PHOTO ALL: Erases the photo data.</p> <p>You can erase an item as follows:</p> <ol style="list-style-type: none"> 1 Select an item to erase by pressing the \uparrow/\downarrow and SET buttons. 2 To erase the item, select OK, otherwise select RETURN. (If you select OK, the unit will check again to see if you really want to erase the item.) <div style="text-align: center;">  </div> <ol style="list-style-type: none"> 3 To erase the item, select EXECUTE, otherwise select RETURN. (If you select EXECUTE, the ERASING message will flash, and the unit will start erasing the item in the cassette memory. While the ERASING message is flashing, you cannot use the \uparrow/\downarrow or SET buttons. After the item has been erased, the COMPLETE message appears. Press the \uparrow/\downarrow button to erase the COMPLETE message.) <div style="text-align: center;">  </div> <p>Notes</p> <ul style="list-style-type: none"> • You cannot make a title, mark the date for date search, or record in the photo mode with this unit. • You cannot erase an item in the cassette memory in the following cases: <ul style="list-style-type: none"> – The unit does not have a tape inserted or the tape is being unloaded. – The tape does not have cassette memory. – The tape is write-protected. – The tape is being recorded. – The cassette memory is being used.

(Continued)

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Icon/Menu	Submenu (page)	Setting
 CM SET	ERASE ALL	<p>Erases all items in the cassette memory. If you select this item, one of the following symbols appears. If no cassette is loaded, nothing is displayed.</p> <p>: Tape with cassette memory : Tape without cassette memory</p> <p>Erase all items in the cassette memory as follows:</p> <p>1 To erase all items, select OK, otherwise select RETURN. (If you select OK, the unit will check again to see if you really want to erase all items.)</p>  <p>2 To erase all items, select EXECUTE, otherwise select RETURN. (If you select EXECUTE, the ERASING message will flash, and the unit starts erasing all items in the cassette memory. While the ERASING message is flashing, you cannot use the \uparrow/\downarrow or SET buttons. After all items have been erased, the COMPLETE message appears. Press the \uparrow/\downarrow button to erase the COMPLETE message.)</p>  <p>Note</p> <p>You cannot erase all items in the cassette memory in the following cases:</p> <ul style="list-style-type: none"> • The unit does not have a tape inserted or the tape is being unloaded. • The tape does not have cassette memory. • The tape is write-protected. • The tape is being recorded. • The cassette memory is being used.

OTHERS menu

Icon/Menu	Submenu (page)	Setting
ETC OTHERS	DV IN TC	<p>Selects whether to record internal time code or external time code while the unit records the signals input from the DV IN/OUT connector in DVCAM format.</p> <p>INTERNAL : Records the time code generated by the internal time code generator. (If no time code is recorded on the tape, the unit records time code from 00:00:00:00. If there is time code already recorded on the tape, the unit records continuous time code from this point.)</p> <p>EXTERNAL: Records the time code with video and audio signals input from the DV IN/OUT connector.</p> <p>Notes</p> <ul style="list-style-type: none"> • When you set the REC MODE on the VTR SET menu to DV SP, this item cannot be used. Even if it is once set to EXTERNAL, the setting turns invalid and the unit records the internal time code when you set REC MODE on the VTR SET menu to DV SP. • When this item is set to EXTERNAL, the INPUT SELECT selector on the front panel is set to DV, and no signal is input from the DV IN/OUT connector, if you start recording, bars (— :—:—:—) are recorded as time code. At the point that inputting of a signal begins, the time code of that signal will be recorded. • If you set this item to EXTERNAL and the external time code input is discontinuous or does not advance correctly, recording or displaying the time code on this unit may not be done correctly. If there is a discontinuous time code on your recorded tape, you may not be able to edit or search correctly, depending on the device used to edit.
	TC FORMAT	<p>Selects the frame mode.</p> <p>AUTO : Automatically sets the frame mode in accordance with the inserted cassette. (If nothing is recorded on the tape, the mode is set to the non-drop frame mode. If the unit cannot read the frame mode correctly in the tape, the unit will use the frame mode that was set in the last position it was able to read correctly on the tape. If you turn the power on/off or remove the tape, the mode of the last position it was able to read correctly is cleared and the mode is set to the non-drop frame mode.)</p> <p>DF: Selects the drop frame mode.</p> <p>NDF: Selects the non-drop frame mode.</p> <p>Notes</p> <ul style="list-style-type: none"> • When the NTSC/PAL select switch is set to PAL, the unit works as a PAL model. Therefore while recording in the DVCAM format, the time code generated by the unit turns to the non-drop frame mode. Even if an NTSC formatted signal is input from the DV IN/OUT connector, the time code generated by the unit is non-drop frame mode as long as the switch is set to PAL, regardless of this item setting. If you intend to set the unit to generate the time code in the drop frame mode, set the NTSC/PAL select switch to NTSC. • Regardless of this setting, the frame mode is set to drop frame when you record in DV format (Only for NTSC).
	CLOCK SET (page 37 (GB))	<p>Sets the internal clock of the unit.</p> <p>Pressing the \uparrow/\downarrow and SET buttons, sets the time (year, month, day, hour and minute). (When you set the minute, the second count will start from 00.)</p> <p>Notes</p> <ul style="list-style-type: none"> • This item cannot be set during recording. • Regardless of the DATE DISP setting on the DISPLAY SET menu, the date for CLOCK SET is displayed in the Y/M/D order. • The internal backup battery will be fully charged in about 10 hours when power is provided to the unit. A fully charged internal backup battery can run the internal clock for about one month without the power provided through the AC adaptor.
	HRS METER (page 53 (GB))	<p>Displays the accumulated time counts (by the digital hours meter) in units of 10 hours or 10 counts.</p> <p>OPERATION: Power on duration</p> <p>DRUM RUN: Drum rotation duration</p> <p>TAPE RUN: Tape run duration</p> <p>THREADING: Tape unthreading count</p>