FOSTEX

Model DV824 owner's manual
<Version 1.10 supplement>

Before using the DV824 version 1.10, read this supplement, as well as the main owner's manual.

> ***<Note>:*** *To use the optional Model 8348 TC/SYNC card which is installed to the DV824, the DV824 software version must be V1.10 or higher.*
>
> *If you have the DV824 whose software version is earlier than V1.10 and purchase the optional TC/SYNC card, your Fostex dealer or local service station will upgrade your DV824 when installing the TC/SYNC card.*

Enhancement of DDR and Auto Copy functions

With the Model 9057 optional hard disk drive installed, when making Dual Drive Recording (DDR) or Auto Copy by the IMME mode, you can now make recording more safely. See also pages 83 through 91 of the DV824 owner's manual.

<Function details>
With the earlier version, when performing Dual drive recording or auto copy in the IMME (Immediately) mode, if the unit cannot cope with recording to the DVD-RAM disk because of dust, grime, or a scratch on the disk, or because the unit is swamped with data, the unit stops recording to both the optional hard disk and DVD-RAM disk. With version 1.10, this is improved.

That is, while performing Dual drive recording (or auto copy), even if the unit cannot cope with recording to a DVD-RAM disk by any reason such as described above, it continues recording to the optional hard disk. After recording to the hard disk completes, the data which has not been recorded to the DVD-RAM disk is automatically copied to the DVD-RAM disk from the hard disk. Thus, Dual drive recording (or auto copy) now can be performed safer.

While the unit performs data copy (backup) after Dual drive recording or auto copy in such a condition as above, messages for showing the current status are displayed. Note that if new Dual drive recording (or auto copy) starts during data copy (backup) from the hard disk to the DVD-RAM disk, the new recording takes priority and data copy is interrupted.

<During Dual drive recording>

Cancelled!, DDR recording	Indicates that Dual drive recording is interrupted because the unit is swamped with data and cannot cope with recording to the DVD-RAM disk (the unit continues recording to the hard disk).
DDR mirror backup Start!	Indicates that, after recording ends, the unit starts copying data (from the hard disk to the DVD-RAM disk) which failed to be recorded to the DVD-RAM disk during Dual drive recording.
DDR mirror backup Restart!	Indicates that the unit restarts data backup copy which has been interrupted by performing new Dual drive recording.
DDR mirror backup End!	Indicates that data backup copy for Dual drive recording ends.
DDR mirror backup Disk error!	Indicates that data backup copy for Dual drive recording is canceled because of a disk error.

<During auto copy in the IMME mode>

Cancelled! Auto IMME copy	Indicates that auto copy in the IMME mode is interrupted because the unit is swamped with data and cannot cope with recording to the DVD-RAM disk (the unit continues recording to the hard disk).
Auto copy backup Start!	Indicates that, after recording ends, the unit starts copying data (from the hard disk to the DVD-RAM disk) which failed to be recorded to the DVD-RAM disk during auto copy in the IMME mode.
Auto copy backup Restart!	Indicates that the unit restarts backup copy which has been interrupted by performing new auto copy.
Auto copy backup End!	Indicates that backup operation of auto copy in the IMME mode ends.
Auto copy backup Disk error!	Indicates that backup operation of auto copy is canceled because of a disk error.

<Note>: *If any of the messages above is shown during Dual drive recording or auto copy in the IMME (Immediately) mode, the DVD-RAM disk currently set may not reliable. In such a case, it is recommended that you should change the disk to a new one or physically format it.*

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Summary of enhanced, added and changed functions of version 1.10

By upgrading the DV824 software to version 1.10, the following changes are made.

1)   The "Default file name" menu item in the SYS SETUP menu is enhanced.
The "Default file name" menu item in the SYS SETUP menu is enhanced by adding the "Reel mode" option to the default file name mode. See page 5 for details.

2)   The new "False Start" menu item is added to the SYS SETUP menu.
The new "False Start" menu item added to the SYS SETUP menu allows you to select whether deleting or keeping the file after executing False start. See page 6 for details.

3)   The new "Auto new file" menu item is added to the SYS SETUP menu.
The newly added "Auto new file" item gives you a useful option when recording audio and an external time code simultaneously by selecting the TC GEN mode in the TC SETUP menu to "Ext Run". With this option, if an incoming external time code jumps and then a new continuous LTC is fed to the DV824, the audio file is automatically divided. See page 7 for details.

4)   The new "Cooling fan cont" menu item is added to the SYS SETUP menu.
The new "Cooling fan cont" menu item is added to the SYS SETUP mode. By setting this menu item to "On", the cooling fan rotation speed always slows down during recording. See page 8 for details.

5)   The "Set Gen.TC" menu item in the TC SETUP menu is enhanced.
When the TC GEN mode is set to "Free Run", the "Set Gen.TC" menu item now allows you to jam the internal realtime clock time data, in addition to the TC value editing capability. See page 9 for details.
Also, the user bit setting capability when the TC GEN mode is set to "Free Run" has been deleted from the "Set Gen.TC" menu item (the user bit setting can now be done via the newly added "Set Gen Ubit" menu item in the TC SETUP menu).

6)   The "Set Gen Ubit" menu item is added to the TC SETUP menu.
The "Gen Ubit" menu item has been deleted from the TC SETUP menu. Instead, the "Set Gen Ubit" menu item is newly added to the TC SETUP menu. This menu item allows you to set the user bit mode and user bit value in the same screen (in the earlier version, the user bit value setting can be made via the "Set Gen.TC" menu item). See page 10 for details.

7)   The "Format" menu item in the DISK UTILITY menu is enhanced.
The "Format" menu item is used for formatting a DVD-RAM disk (or a partition of the optional internal hard disk). There are some changes in this menu item regarding the physical format on/off selection, default format mode, etc. See page 12 for details.

8)   The pull-up/pull-down function now works differently from the earlier version.
With the earlier version, when the DV824 is running with the internal clock reference and the pull-down or pull-up function is active, the TC frame rate always changes in sync with the speed change. With the new version, the TC frame rate does not always change. See page 13 for details.

9)   The USB keyboard capability for controlling the DV824 is enhanced.
Now you can control the DV824 from a USB keyboard connected to the [USB (KYBD ONLY] port on the DV824 more flexibly. See page 13 for details.

10)   Dual Drive Recording (DDR) and Auto Copy (by IMME mode) can now be made more safely.
With the optional hard disk drive installed, when making Dual Drive Recording (DDR) or Auto Copy by the IMME mode, you can now make recording more safely. See page 14 for details.

Change in the "Pull Up/Down" menu item of the SYS SETUP menu

With the earlier version, when the DV824 is working with the internal clock reference and the pull down or pull up function is active, the TC frame rate always changes in sync with +/- 0.1% speed change. With the new version, the TC frame rate does not always change, as shown in the table below. Note that the "Pull Up/Down" function works only when the optional TC/SYNC card is installed.

0%	+0.1%	-0.1%	
23.97 FPS	24 FPS	23.97 FPS	The TC frame changes only when the clock is pulled up.
24 FPS	24 FPS	23.97 FPS	The TC frame changes only when the clock is pulled down.
25 FPS	Unselectable	Unselectable	
29.97 FPS	30 FPS	29.97 FPS	The TC frame changes only when the clock is pulled up.
30 FPS	30 FPS	29.976	The TC frame changes only when the clock is pulled down.

<Note>: As shown in the table above, you cannot make pull-up or pull-down setting when the TC frame is 25 fps. If you set the "Pull Up/Down" menu item to "+0.1%" or "-0.1%" when the TC frame is 25 fps, "+0.1%" or "-0.1%" is shown in the "UP/DW" status information area on the Home screen.

<Note>: While pulled up or down, the DV824 can lock to an external clock (video, frame pulse or field pulse) with a frame rate shown in the table above (+/- 100PPM).

<Note>: The "Pull Up/Down" menu item is effective only when the optional TC/SYNC card is installed to the DV824 (V1.10 or higher).

Enhanced USB keyboard operation

The capability for controlling the DV824 from a USB keyboard connected to the [USB (KYBD ONLY] port is enhanced.
When controlling the DV824 from a USB keyboard, functions indicated by the arrow in the table below are newly added. See also pages 41 and 42 of the DV824 owner's manual.

Function keys

F1 key	Enters the "Edit file name" menu item of the "DISK UTILITY" menu.
F2 key	Executes the Circle Take function.
F3 key	Enters the "Default file name" menu item of the "SYS SETUP" menu.
F4 key	Enters the "Default track name" menu item of the "SYS SETUP" menu.
F5 key	Enters the "Set Gen. TC" menu item of the "TC SETUP" menu.
SHIFT key + F6 key	Enters the "False start" menu item of the "SYS SETUP" menu.
SHIFT key + F7 key	Enters the "Format" menu item of the "DISK UTILITY" menu.

Enhancement of the "Format" menu item in the DISK UTILITY menu

The "Format" menu item is used for formatting a DVD-RAM disk or a partition of the optional internal hard disk. In this menu item, the following three changes has been made.
For details about the "Format" menu item, see also page 149 of the DV824 owner's manual.

- **You can now select on or off of the physical format when "DDR" is selected as the Format mode.**
  With the earlier software version, you can select on or off of the physical format only when "Normal" is selected as the Format mode. With the new version, you can now select on or off of the physical format even when formatting a partition of the optional hard disk in the "DDR" mode.

  > *<Note>: You cannot format a DVD-RAM disk in the "DDR" mode.*

  > *<Note>: It takes a long time to execute the physical format. We recommend executing the physical format when disk access time becomes longer or sound interruption occurs in normal use. You do not need to physical-format a brand-new or relatively new disk. However, regardless of whether the format mode is "Normal" or "DDR", there may be a case that "Physical Format" on the Format screen is automatically set to "On" and you cannot select "Off". In this case, the DV824 decides that the disk to be formatted needs the physical format and you must execute the physical format.*

  > *<Note>: Do not turn off the power of the DV824 while executing the physical format.*

- **The default "Format Mode" in the Format menu item has been changed.**
  With the earlier version, when reformatting a DVD-RAM disk (or a partition of the optional hard disk), "Format Mode" in the Format menu item always shows "Normal" by default. With the new version, the previously used format mode is shown. You can, of course, select the desired format mode before formatting a disk (or partition).

- **After formatting a partition, the formatted partition is selected as the current drive.**
  With the earlier software version, if you format a partition of the optional hard disk while the DVD-RAM drive is selected as the current drive, the DVD-RAM drive is still selected as the current drive after completing formatting.
  With the new version, the formatted partition is selected as the current drive after completing formatting.

  > *<Note>: If you format a DVD-RAM disk while a hard disk partition is selected as the current drive, the DVD-RAM is not selected as the current partition after completing formatting.*
  > *In other words, only when you format a partition of the optional hard disk while the DVD-RAM drive is selected as the current drive, the current drive changes after completing formatting.*

Enhancement of the "Default file name" menu item in the SYS SETUP menu

The "Default file name" menu item in the SYS SETUP menu is enhanced by adding "Reel" mode to the "File name mode" options. You can now label an audio file which is automatically created when recording starts as "Reel No. + File No.", as well as "Date" and Scene name + Take No.".
For details about the "Default file name" menu item, see also page 115 of the DV824 owner's manual.

1) **While the unit is stopped, press the [ENTER/YES] key to enter the MENU mode. Then use the [MENU] dial to highlight "SYS SETUP" and press the [ENTER/YES] key.**
   The display now shows the SYS SETUP menu screen (by default, "Default file name" is highlighted).
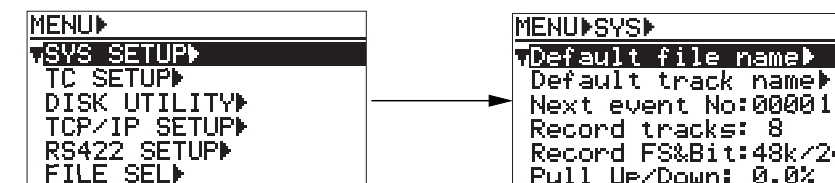
2) **While "Default file name" is highlighted, press the [ENTER/YES] key.**
   The display now shows the screen for selecting the file name mode (by default, "Take" is selected).
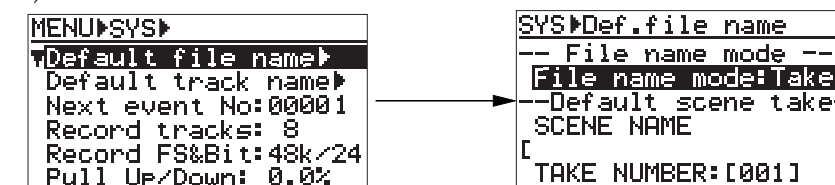
3) **Press the [ENTER/YES] key again.**
   The currently selected file name mode starts flashing and you can now select the desired mode.
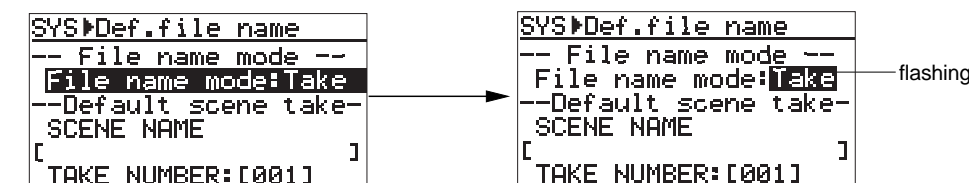
4) **Use the [MENU] dial to select the desired mode and press the [ENTER/YES] key to confirm your selection.**
   You can select "Reel", a newly added option, as well as "Take" and "Date".

Take	"<SCENE NAME> + <TAKE NUMBER>" (with ".wav", the file extension) is the default file name. The SCENE NAME is specified on the same screen above. The TAKE NUMBER is incremented automatically each time recording is made. Example: Last-Scene_001.wav, Last-Scene_002.wav, etc.
Date	The internal realtime clock data (with ".wav", the file extension) is the default file name. Example: B05h 05m 06s 10may 2004.wav, etc.
Reel	The reel number of a drive (or a partition of the optional hard disk drive) currently selected for recording with the file number is the default file name. Example: S001_005.wav, S002_008.wav, etc.

* After recording is made, the default file name can be edited using the "Edit file name" menu item in the DISK UTILITY menu (see page 142 of the DV824 owner's manual).

When setting the file name mode to "Take", the SCENE NAME and TAKE NUMBER specified on the same screen are used for each file name. Even if you set the file name to "Date" or "Reel", the SCENE NAME and TAKE NUMBER currently set are used as the SCENE data in the meta data and you can edit them (see page 115 of the DV824 owner's manual).

"False Start" menu item newly added to the SYS SETUP menu

The new "False Start" menu item added to the SYS SETUP menu.
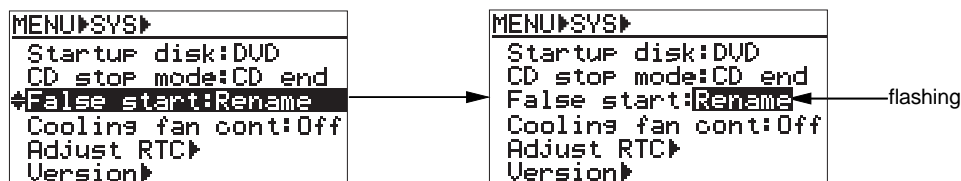With the earlier version, The DV824 deletes the recorded audio file when False start is executed. With the new version, you have a choice of keeping or completely deleting the audio file by setting the "False Start" menu item appropriately.

1) **While the unit is stopped, press the [ENTER/YES] key to enter the MENU mode. Then use the [MENU] dial to highlight "SYS SETUP" and press the [ENTER/YES] key.**
   The display now shows the SYS SETUP menu screen (by default, "Default file name" is highlighted).

```
MENU▶                    MENU▶SYS▶
▼SYS SETUP▶              ▼Default file name▶
 TC SETUP▶                Default track name▶
 DISK UTILITY▶            Next event No:00001
 TCP/IP SETUP▶            Record tracks: 8
 RS422 SETUP▶             Record FS&Bit:48k/24
 FILE SEL▶                Pull Up/Down: 0.0%
```
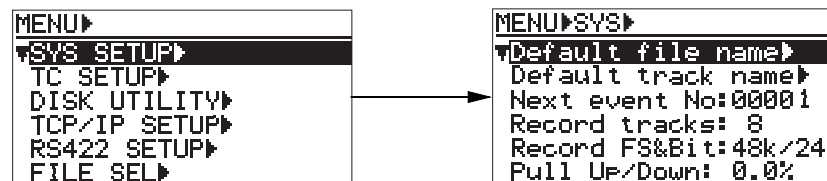
2) **Use the [MENU] dial to highlight "False start" and press the [ENTER/YES] key.**
   The currently selected option starts flashing (by default, "Rename" is selected).

```
MENU▶SYS▶                MENU▶SYS▶
 Startup disk:DVD         Startup disk:DVD
 CD stop mode:CD end      CD stop mode:CD end
▼False start:Rename       False start:Rename  ──flashing
 Cooling fan cont:Off     Cooling fan cont:Off
 Adjust RTC▶              Adjust RTC▶
 Version▶                 Version▶
```

3) **Use the [MENU] dial to select the desired option and press the [ENTER/YES] key.**
   You can select between "Rename" (default) and "Delete".

Rename (default)	When the False start function is executed, the take number decreases by one (i.e. returns to the previous take number) and the canceled audio file is stored as a file with the file name starting by "Fnn" followed by the original name. "nn" shows the number. Up to 100 canceled files (starting by F, F1 through F99) can be stored. The following examples show how the file names are given. <Examples> After the first False start: Scene1_001.wav -> FScene1_001.wav After the second False start: Scene1_001.wav -> F1Scene1_001.wav After the 100th False start: Scene1_001.wav -> F99Scene1_001.wav You can check stored files from the file selection screen (which can be shown by pressing the [FILE SEL] key).
Delete	As with the earlier version, after executing the False start function, the unsuccessful file is completely deleted and the disk remaining time returns to the value before the last recording is made. The take number decreases by one (returns to the previous take number).

<Note>: When the "False start" menu item is set to "Rename", each time you execute False start, the disk remaining time decreases.
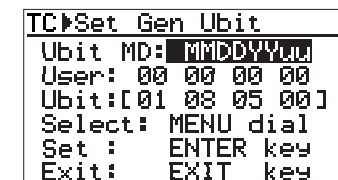
4) **After making setting, press the [EXIT/NO] key repeatedly until you exit the SYS SETUP menu.**

<Note>: To execute False start, while the unit is stopped, press the [SHIFT] key to turn on the SHIFT indicator, followed by the [CLEAR/FALSE START] key. See page 54 of the DV824 manual.

The user bit information is shown on "Ubit: [00 00 00 00]" field according to the selected user bit mode.
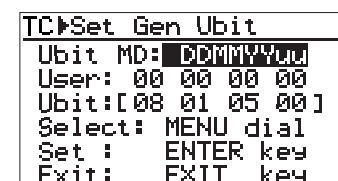The following shows examples of user bit information when setting "Ubit MD" to non-default options.

When setting "user MD" to "MM DD YY uu":
The rightmost two figures (uu) reflect the user bit information set by the "User" field.
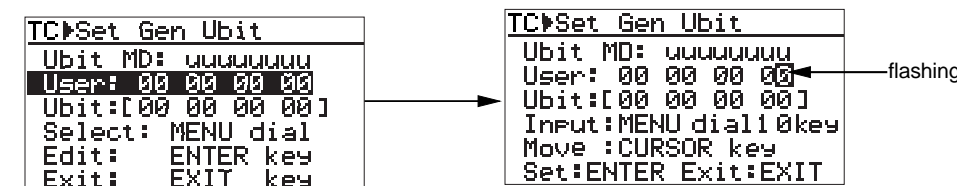
```
TC▶Set Gen Ubit
Ubit MD: MMDDYYuu
User: 00 00 00 00
Ubit:[01 08 05 00]
Select: MENU dial
Set :   ENTER key
Exit:   EXIT  key
```

When setting "user MD" to "DD MM YY uu":
The rightmost two figures (uu) reflect the user bit information set by the "User" field.

```
TC▶Set Gen Ubit
Ubit MD: DDMMYYuu
User: 00 00 00 00
Ubit:[08 01 05 00]
Select: MENU dial
Set :   ENTER key
Exit:   EXIT  key
```

• Editing the user bit
By using the [MENU] dial to highlight "User: 00 00 00 00" and pressing the [ENTER/YES] key, the rightmost field of the current user bit (by default, "0") starts flashing and you can now start editing.
You can enter the desired value to the flashing field using the numeric keys or the [MENU] dial (or a USB keyboard).
You can move the flashing field using the [SKIP/CURSOR] key.

```
TC▶Set Gen Ubit            TC▶Set Gen Ubit
Ubit MD: uuuuuuuu          Ubit MD: uuuuuuuu
User: 00 00 00 00          User: 00 00 00 00  ──flashing
Ubit:[00 00 00 00]         Ubit:[00 00 00 00]
Select: MENU dial          Input:MENU dial10key
Edit:   ENTER key          Move :CURSOR key
Exit:   EXIT  key          Set:ENTER Exit:EXIT
```

The edited value is reflected to ""Ubit: [00 00 00 00]" in realtime.
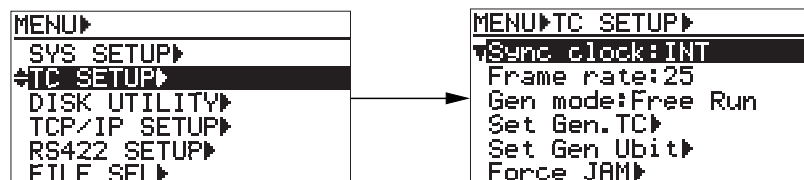After editing, press the [ENTER/YES] key to confirm your setting.

"Set Gen Ubit" menu item newly added to the TC SETUP menu

The "Set Gen Ubit" menu item is newly added to the TC SETUP menu. This menu item allows you to set the TC user bit mode and TC user bit value.

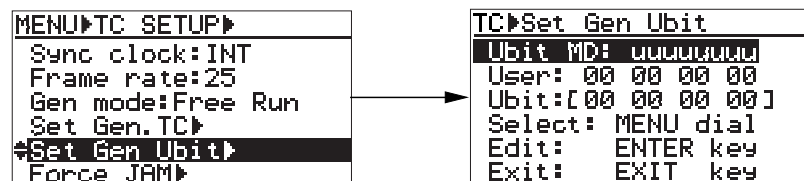The following operation is assumed that the optional TC/SYNC card is installed.

1) **While the unit is stopped, press the [ENTER/YES] key to enter the MENU mode. Then use the [MENU] dial to highlight "TC SETUP" and press the [ENTER/YES] key.**

   The display now shows the TC SETUP menu screen (by default, "Sync clock: ***" is highlighted).

```
MENU▶                      MENU▶TC SETUP▶
 SYS SETUP▶                 ▼Sync clock:INT
⇕TC SETUP▶                   Frame rate:25
 DISK UTILITY▶               Gen mode:Free Run
 TCP/IP SETUP▶               Set Gen.TC▶
 RS422 SETUP▶                Set Gen Ubit▶
 FILE SEL▶                   Force JAM▶
```

2) **Use the [MENU] dial to highlight "Set Gen. Ubit" and press the [ENTER/YES] key.**

   The display now shows the "Set Gen Ubit" screen on which you can see the user bit. By default, "Ubit MD: uuuuuuuu" is highlighted. You can select "Ubit MD" and edit "User".

```
MENU▶TC SETUP▶             TC▶Set Gen Ubit
 Sync clock:INT             Ubit MD: uuuuuuuu
 Frame rate:25              User: 00 00 00 00
 Gen mode:Free Run          Ubit:[00 00 00 00]
 Set Gen.TC▶                Select: MENU dial
⇕Set Gen Ubit▶              Edit:   ENTER key
 Force JAM▶                 Exit:   EXIT  key
```
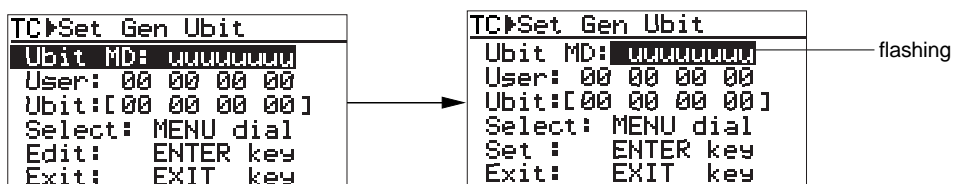
Shows the current user bit. You can set the desired user bit. The rightmost two figures of the user bit are always shown in the user bit information regardless of "Ubit MD" setting.

```
TC▶Set Gen Ubit
 Ubit MD: uuuuuuuu
 User: 00 00 00 00
 Ubit:[00 00 00 00]
 Select: MENU dial
 Edit:   ENTER key
 Exit:   EXIT  key
```

Shows the current user bit mode. You can select the user bit mode from among "uuuuuuuu" (default), "MM DD YY uu" and "DD MM YY uu".

Shows the user bit being output according to the current user bit mode. If you change the user bit mode, this field also changes.

• Selecting the user bit mode

By pressing the [ENTER/YES] key while "Ubit MD" is highlighted, the current user bit mode starts flashing and you can now select the mode (by default, "uu uu uu uu" flashes).

```
TC▶Set Gen Ubit            TC▶Set Gen Ubit
 Ubit MD: uuuuuuuu          Ubit MD: uuuuuuuu  ── flashing
 User: 00 00 00 00          User: 00 00 00 00
 Ubit:[00 00 00 00]         Ubit:[00 00 00 00]
 Select: MENU dial          Select: MENU dial
 Edit:   ENTER key          Set :   ENTER key
 Exit:   EXIT  key          Exit:   EXIT  key
```

3) **Use the [MENU] dial to select the user bit mode and press the [ENTER/YES] key to confirm your selection.**

   You can select the user bit mode from among the following.

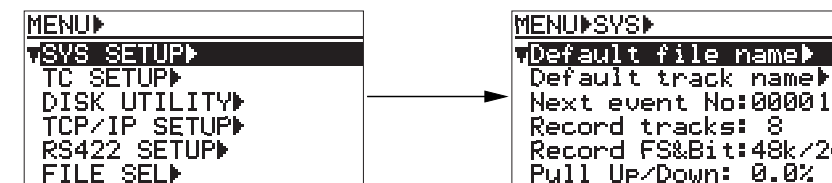| uu uu uu uu	The default is "00 00 00 00".
MM DD YY uu	BG_76: MM (month) / BG_54: DD (day) / BG_32: YY (year) /BG_10: uu (for USA)
DD MM YY uu	BG_76: DD (day) / BG_54: MM (month) / BG_32: YY (year) /BG_10: uu (for EUR)

When selecting "MMDDYYuu" or "DDMMYYuu", you can set the desired user bit to "uu" of "BG_10: uu". The other fields are automatically set according to the realtime clock data.

"Auto new file" menu item newly added to the SYS SETUP menu

The newly added "Auto new file" menu item is effective when recording audio and an external time code simultaneously with the "Gen mode" menu item in the TC SETUP menu set to "Ext Run". You can select whether dividing the audio file or not when an incoming external time code jumps and then a new continuous LTC is fed to the DV824. By setting this item appropriately, when you copy a DAT audio source including multiple songs with discontinuous time codes to the DV824, the recorded songs on the DV824 are divided into individual audio files.
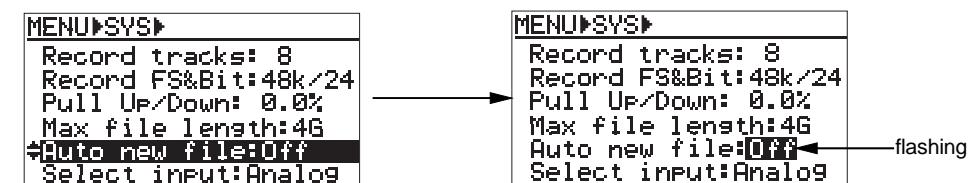
1) **While the unit is stopped, press the [ENTER/YES] key to enter the MENU mode. Then use the [MENU] dial to highlight "SYS SETUP" and press the [ENTER/YES] key.**

   The display now shows the SYS SETUP menu screen (by default, "Default file name" is highlighted).

```
MENU▶                      MENU▶SYS▶
 ▼SYS SETUP▶                ▼Default file name▶
  TC SETUP▶                  Default track name▶
  DISK UTILITY▶              Next event No:00001
  TCP/IP SETUP▶              Record tracks: 8
  RS422 SETUP▶               Record FS&Bit:48k/24
  FILE SEL▶                  Pull Up/Down: 0.0%
```

2) **Use the [MENU] dial to highlight "Auto new file" and press the [ENTER/YES] key.**

   The currently selected option starts flashing (by default, "Off" is selected).

```
MENU▶SYS▶                  MENU▶SYS▶
 Record tracks: 8           Record tracks: 8
 Record FS&Bit:48k/24       Record FS&Bit:48k/24
 Pull Up/Down: 0.0%         Pull Up/Down: 0.0%
 Max file length:4G         Max file length:4G
⇕Auto new file:Off          Auto new file:Off ── flashing
 Select input:Analog        Select input:Analog
```

3) **Use the [MENU] dial to select the desired option and press the [ENTER/YES] key.**

   You can select between "Off" (default) and "TC".

| Off (default)	The audio file is not divided when an incoming external time code jumps and then a new continuous LTC is fed to the DV824. Recording is made to a single audio file.
TC	The audio file is divided when an incoming external time code jumps and then a new continuous LTC is fed to the DV824. When recording audio and an external time code simultaneously with the "Ext Run" mode, if the external time code jumps and then a new continuous LTC is fed to the DV824, the audio file is divided.

4) **After making setting, press the [EXIT/NO] key repeatedly until you exit the SYS SETUP menu.**

"Cooling fan cont" menu item newly added to the SYS SETUP menu

The new "Cooling fan cont" menu item is added to the SYS SETUP menu. This menu item allows you to select the option for slowing down the cooling fan rotation speed only during recording for reducing the fan noise. By default, the cooling fan always rotates at high speed.

Note that the "Cooling fan cont" function works only when the optional TC/SYNC card is installed.
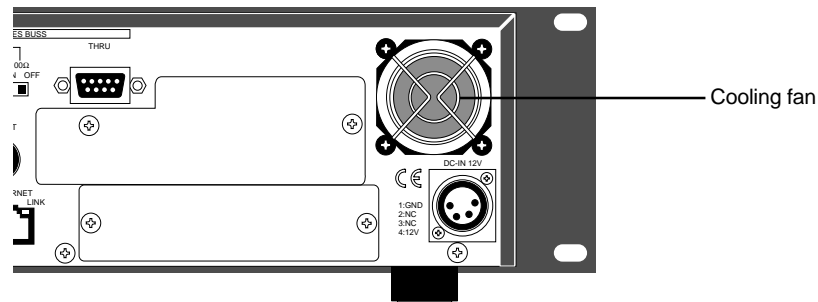
Cooling fan

1) **While the unit is stopped, press the [ENTER/YES] key to enter the MENU mode. Then use the [MENU] dial to highlight "SYS SETUP" and press the [ENTER/YES] key.**
    The display now shows the SYS SETUP menu screen (by default, "Default file name" is highlighted).
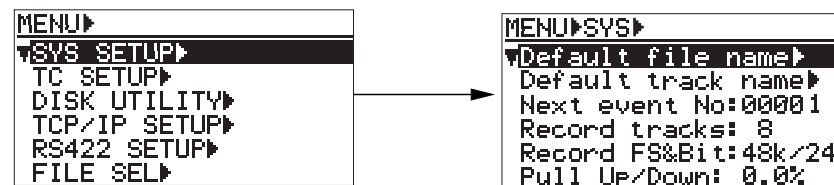
2) **Use the [MENU] dial to highlight "Cooling fan cont" and press the [ENTER/YES] key.**
    The currently selected option starts flashing (by default, "Off" is selected).

flashing
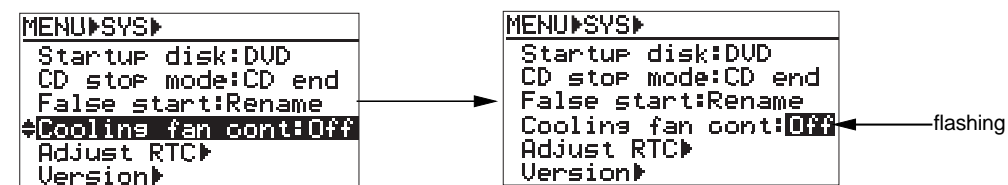
3) **Use the [MENU] dial to select the desired option and press the [ENTER/YES] key.**
    You can select between "Off" (default) and "On".

Off (default)	The cooling fan rotates at the speed determined by the DV824 internal temperature regardless of the current transport mode.
On	During recording, the cooling fan rotate slowly for reducing the fan noise.

4) **After making setting, press the [EXIT/NO] key repeatedly until you exit the SYS SETUP menu.**

## Changes in the "Set Gen.TC" menu item of the TC SETUP menu

When the time code "Gen mode" is set to "Free Run", the "Set Gen.TC" menu item now allows you to jam the internal realtime clock time data, as well as edit the TC value.
Also, the user bit setting item which was available in the "Set Gen.TC" menu item with the earlier version has been now deleted from this menu item and moved to the newly added "Set Gen Ubit" menu item in the TC SETUP menu. For details about user bit setting, see the explanation of the "Set Gen Ubit" menu item on the next page.
The following explains "Set Gen.TC" menu item setting when the "Gen mode" menu item in the TC SETUP menu is set to "Free Run".
See also page 128 of the DV824 owner's manual for "Set Gen.TC" menu item setting when the "Gen mode" is set to any option other than "Free Run".

1) **While the unit is stopped, press the [ENTER/YES] key to enter the MENU mode. Then use the [MENU] dial to highlight "TC SETUP" and press the [ENTER/YES] key.**
    The display now shows the TC SETUP menu screen (by default, "Sync clock: ***" is highlighted).
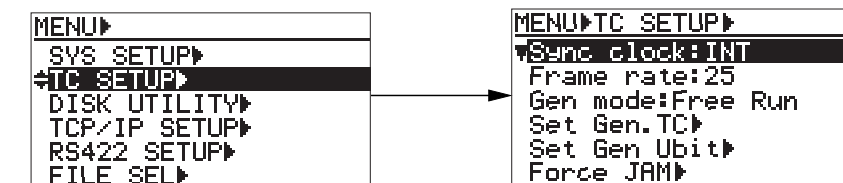

2) **Use the [MENU] dial to highlight "Set Gen.TC" and press the [ENTER/YES] key.**
    The display now shows the "Set Gen. TC" screen on which you can see the generator time code value in realtime.
    To edit the generator time code value, press the [ENTER/YES] key while this screen is shown. To jam to the realtime clock time data, press the [TIME SEL] key.
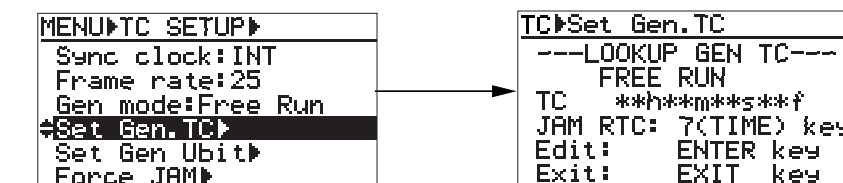
• **Editing the generator time code**
By pressing the [ENTER/YES] key while the "Set Gen. TC" screen above right is shown, the frame field starts flashing and you can now edit the time code value currently shown.
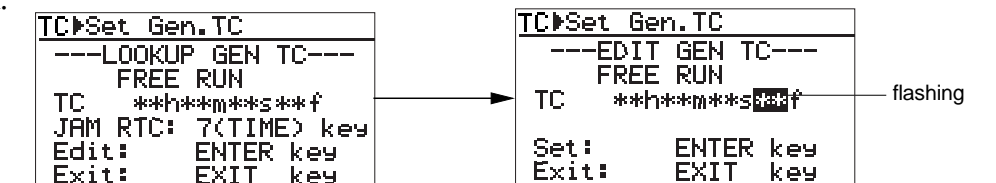
flashing

Use the numeric keys (or the [MENU] dial) to enter the desired value in the flashing field. Use the [SKIP/CURSOR] keys to move the flashing field.
After completing entry of the desired time code value, press the [ENTER/YES] key to confirm your entry.

• **Jamming to the realtime clock time data**
By pressing the [TIME SEL] key while the "Set Gen. TC" screen is shown, the generator time code value jams to the realtime clock time data.

4) **After making setting, press the [EXIT/NO] key repeatedly until you exit the TC SETUP menu.**