

Model PD-6 owner's manual <Version 2.0 supplementary manual>

With the PD-6 software update to Version 2.0, some functions are newly added or enhanced.

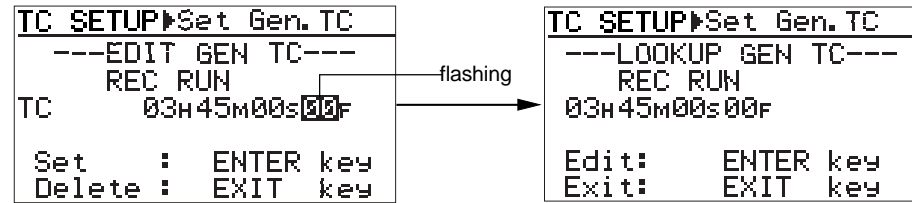
Before using the PD-6 version 2.0, please read this supplementary manual along with the original owner's manual and other supplement.

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4) While the editing screen is shown, press the [ENTER] key again.

The timecode value (at the REC END point) currently shown is set to the internal timecode generator starting time, and the display changes to show the screen as shown right below.



To edit the currently shown timecode value, use the [←]/[→] keys to select the field to be edited and use the [SEL] dial or numeric keys to enter the desired value. After editing the timecode value, pressing the [ENTER] sets the edited timecode value to the internal timecode generator starting time.

To restore the starting timecode to "--H --M --S --F" after editing the value, press the [ENTER] key while the display shows the screen as shown right above, followed by the [EXIT] key. The starting time value is restored to "--H --M --S --F" again.



<Note>: To cancel restoring the starting time value to "--H --M --S --F" above, press the [ENTER] key while the editing screen (as shown in the middle above) is shown, followed by the [EXIT] key.

5) Press the [EXIT] key repeatedly until the TC Setup mode exits.

<Note>: If you turn off the power after setting the timecode starting value to a specific value, it returns to "--H --M --S --F".

6) Remove disk 1 and insert the blank disk (disk 2) to the tray.

The blank disk is loaded and "No Files!" is shown.

7) Start recording while the generator mode is set to "REC RUN".

Recording to disk 2 starts in the REC RUN mode. The timecode is striped from the starting value set in step 4) above ("03H 45M 00S 00F").

As described above, when making recording with the timecode generator mode set to "REC RUN", you can stripe continuous timecode to a new file even though you change the disk or partition.

When recording another file, the timecode starting value returns to "--H --M --S --F". In other words, unless you set a specific value, the timecode of a new file always starts from the value continued after the REC END point of the previous file.

Introduction (new/enhanced functions of Version 2.0)

With the software update of the PD-6 to Version 2.0, the following functions are newly added or enhanced.

The optional internal hard disk drive and external DVD-RAM drive unit are now available.

You can now fit the optional 1.8-inch internal hard disk drive (Model 9056) to the PD-6, as well as connect the optional DVD-RAM drive with built-in hard disk drive (Model EX12, available soon) to the PD-6. With the availability of optional drives, some new menu items are added to the Setup and Utility modes, as well as some existing menu items are enhanced. Also, the TC Setup mode for timecode recording/playback is enhanced. Please read this supplementary manual before using.

- 1) **"Drive Select" menu item (new item in the Setup mode)**
Used to select the current drive from among the DVD-RAM drive(s) and hard disk partitions when any optional drive is added. See page 6 for details.
- 2) **"Format" menu item (enhancement of the existing menu item in the Utility mode)**
With the availability of the optional drives, the new "Mirror" mode is now available when formatting a recording medium. By formatting a hard disk partition to the "Mirror" mode, you can make "Mirror recording". See pages 8 and 11 for details about formatting and mirror recording, respectively.
- 3) **"Auto Copy" menu item (new item in the Setup mode)**
When making recording to the optional hard disk drive (Model 9056 or Model EX12 internal hard disk drive), you can automatically record the same audio file to a DVD-RAM disk (set on the PD-6 internal or Model EX12 DVD-RAM drive) by setting the "Auto Copy" menu item appropriately. See page 14 for details.
- 4) **"Disk Copy" menu item (new item in the Utility mode)**
All the files on a DVD-RAM disk or hard disk partition are copied to another DVD-RAM disk or hard disk partition by setting the "Disk Copy" menu item appropriately. See page 16 for details.
- 5) **"File Copy" menu item (new item in the Utility mode)**
The desired audio files in the BWF folder can be copied to a desired DVD-RAM disk or hard disk partition by setting the "File Copy" menu item appropriately. See page 17 for details.
- 6) **"Partition Protect" menu item (new item in the Utility mode)**
You can make setting of software protection for the current hard disk partition. See page 19 for details.
- 7) **"Max File Length" menu item (new item in the Setup mode)**
This menu item is available when the Model EX12 is connected to the PD-6. It allows you to select the maximum recording size of a file when making recording to a DVD-RAM disk (or a hard disk partition) on the Model EX12. See page 19 for details.
- 8) **"Default LTC Start" menu item for setting (new item in the TC Setup mode)**
This menu item allows you to set the desired LTC start time that is used when making recording while the timecode recording mode is set to "EXT RUN" but the PD-6 does not receive an external LTC. See page 20 for details.
- 9) **"Set Gen TC" menu item (enhanced menu item in the TC Setup mode)**
When the generator mode is set to "REC RUN", you can now set the last timecode value of the previously recorded file to the timecode starting value of the next file if a disk (or partition) is changed. Therefore, you can stripe a continuous timecode between different disks (or partitions). See page 21 for details.

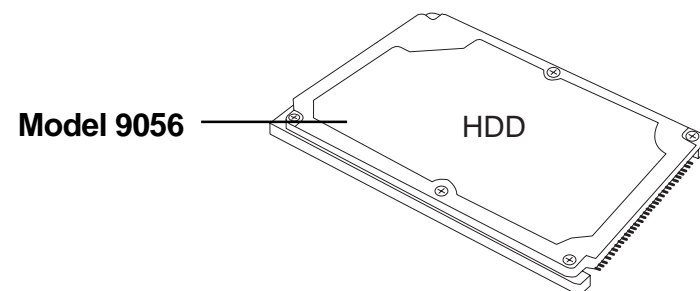
Available options

Model 9056 (internal 1.8-inch hard disk drive for the PD-6)

The Model 9056 is the internal 1.8-inch hard disk drive for the PD-6. By fitting the Model 9056 to the PD-6, you now have a choice of recording mediums from among hard disk partitions and a DVD-RAM disk.

By formatting a hard disk partition as the "Mirror mode" which is newly added to format mode options for the "Format" menu item in the Utility mode, you can make "mirror" recording to the DVD-RAM disk set to the PD-6 in the background.

In addition, you can carry out auto copy, disk copy and file copy between a DVD-RAM disk and a partition.

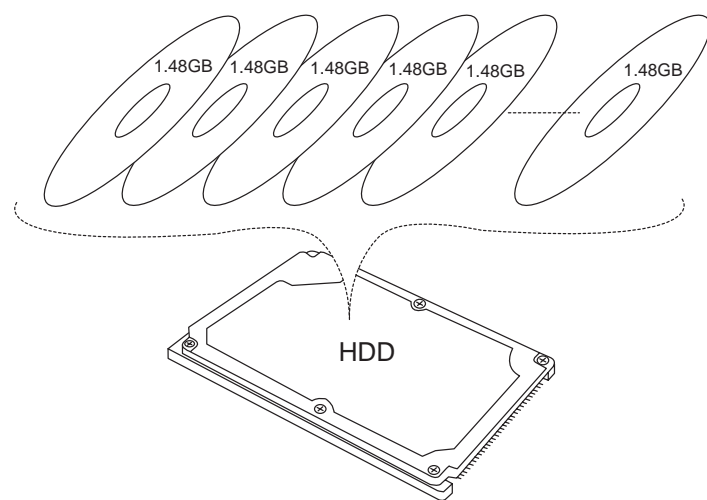


<Notes for fitting the Model 9056 to the PD-6>

The Model 9056 is fitted by local Fostex distributor's service department or their authorized service agent. Note that the hard disk drive is already formatted when delivered.

The Model 9056 hard disk drive is formatted as the "Normal mode" and automatically divided into partitions. Each "Normal mode" partition has approximately 1.48-GB recording capacity.

The Model 9056 hard disk drive has 40-GB capacity and is divided into twenty-seven 1.48-GB partitions (matching the size of a single-sided 8-cm DVD-RAM disk) when formatted. Therefore, it can be regarded as if the 9056 has twenty-seven 1.48-GB DVD-RAM disks.



<Note>: You cannot export data recorded on the internal hard disk to your PC via IEEE1394.

Enhanced "Set Gen.TC" menu item

With the version 2.0 software, when the generator mode is set to "REC RUN", the editing function for the internal timecode generator starting time is enhanced.

This functional enhancement allows you to set the last timecode value of the previously recorded file to the timecode starting value of the next file if a disk (or partition) is changed. Therefore, you can stripe a continuous timecode between different disks (or partitions).

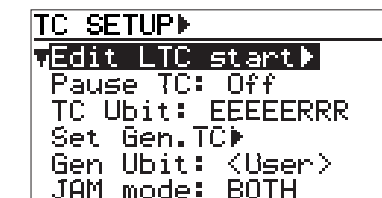
• Editing the timecode starting value of the internal timecode generator

The following procedure shows the example of striping a continuous timecode between two DVD-RAM disks (disk 1 and disk 2). It is assumed that two files are currently recorded by the REC RUN mode on disk 1, while disk 2 is blank, and a new file with a timecode which continues after the second file on disk 1 is going to be striped to disk 2.

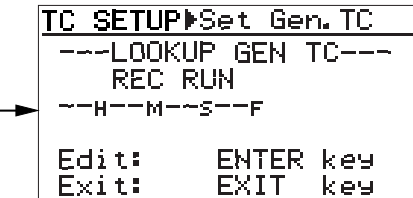
It is also assumed that disk 1 is set to the PD-6 and the REC END point of the second file on disk 1 is currently located.

- 1) While the recorder is stopped, press the [SHIFT] key to turn on the [SHIFT] indicator, followed by the [CONTRAST] key.

The display now shows the top page of the TC Setup mode.



- 2) Use the [SEL] dial to highlight the "Set Gen.TC" menu item and press the [ENTER] key. The display shows the current generator mode and timecode value of the internal timecode generator. The current timecode starting value is shown as "--H --M --S --F".



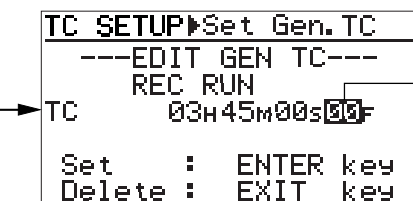
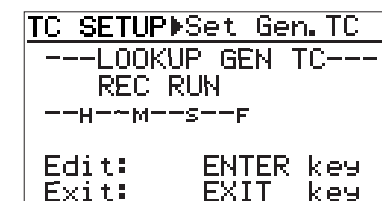
• Timecode starting value "--H --M --S --F"

If you record the next file in the "REC RUN" mode while "--H --M --S --F" is shown, the PD-6 stripes a timecode which continues after the previous file. However, if you start recording when "No File" is shown (i.e. no file is recorded on the current DVD-RAM disk or partition), the PD-6 stripes timecode from "00H 00M 00S 00F". If you make next recording, the PD-6 stripes a timecode which continues after the previous file. You can edit the timecode starting value to a desired value if necessary.

- 3) Press the [ENTER] key again.

The display shows the editing screen, on which the timecode value at the REC END point of the current file is shown. You can now edit the flashing frame field.

The screen example right below shows the timecode value at the REC END point is "03H 45M 00S 00F".



Newly added/enhanced functions in the TC Setup mode

Regardless of whether any option is fitted or not, the following two changes are made with the PD-6 software update to Version 2.0.

- 1) You can now edit the default LTC start time.
- 2) The "Set Gen TC" menu item in the REC RUN mode is enhanced.

Editing the default LTC start time

If the TC recording mode is set to "EXT RUN" but the PD-6 does not receive an external LTC, the internal generator always starts the LTC from "1h 00m 00s" in the older version. In the new version, you can edit the LTC start time using the "Default LTC time!" menu item newly added.

The following assumes that the DVD-RAM drive is loaded.

<Note>: When a paused timecode is fed to the [TIME CODE IN] connector, the PD-6 does not regard it as a correct timecode. Only when receiving more than two continuous timecode frames, the PD-6 regards it as the LTC start time.

- 1) While the recorder is stopped, press the [SHIFT] key to turn on the [SHIFT] indicator, followed by the [CONTRAST] key. The display now shows the top page of the TC Setup mode.

```
TC SETUP▶
Edit LTC start▶
Pause TC: Off
TC Ubit: EEEEEERRR
Set Gen.TC▶
Gen Ubit: <User>
JAM mode: BOTH
```

- 2) Use the [SEL] dial to highlight the "Default LTC start" menu item newly added to the TC Setup menu, and press the [ENTER] key. The current LTC start time (by default, "01H 00M 00S") is shown.

```
TC SETUP▶
Pause TC: Off
TC Ubit: EEEEEERRR
Set Gen.TC▶
Gen Ubit: <User>
JAM mode: BOTH
Default LTC start▶
```

→

```
TC SETUP▶Default TC
--LOOKUP DEFAULT TC--
01H00M00s
Edit: ENTER key
Exit: EXIT key
```

- 3) Press the [ENTER] key again. The second field of the LTC start time currently set starts flashing. You can now edit the start time.

```
TC SETUP▶Default TC
--LOOKUP DEFAULT TC--
01H00M00s
Edit: ENTER key
Exit: EXIT key
```

→

```
TC SETUP▶Default TC
--LOOKUP DEFAULT TC--
01H00M00s
Rewrite: ENTER key
Exit: EXIT key
```

flashing

- 4) Edit the LTC start time and press the [ENTER] key. You can select the field to be edited by using the [left]/[right] keys, and can enter the desired value using the [SEL] dial or numeric keys. Pressing the [ENTER] key after editing sets the new LTC start time effective. The new LTC start time is stored to the PD-6 flash ROM.
- 5) Press the [EXIT] key repeatedly until the TC Setup mode exits.

Model EX12 (DVD-RAM drive unit with built-in hard disk drive): available soon

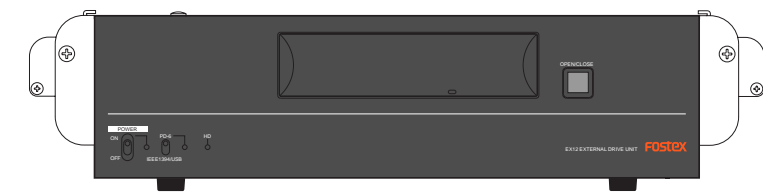
The Model EX12, the ideal partner of the PD-6, is an external DVD-RAM drive unit with a built-in 2.5-inch 40-GB hard disk drive.

By connecting the EX12 to the PD-6, you have a choice of three recording mediums: the PD-6 internal DVD-RAM drive, EX12 DVD-RAM drive and EX12 hard disk drive. Therefore, if the Model 9056 is also fitted to the PD-6, you have a choice of four recording mediums.

By connecting the EX12 to the PD-6, as with the 9056, you can carry out mirror recording, auto copy, disk copy and file copy.

The Model EX12 also provides the IEEE1394 and USB ports for PC connection, which allows you to export audio file data recorded on a DVD-RAM disk set to the EX12 to the PC. Note that a PC cannot access to the PD-6 hard disk drive or EX12 hard disk drive.

<Note>: For details about how to export audio files on a DVD-RAM disk set to the PD-6 or EX12 to your PC, see the Model EX12 owner's manual.



Model EX12



Docking the PD-6 to the EX12

<Note>: When the EX12 is connected to the PD-6, turn on the EX12 first, followed by the PD-6.

<Note>: For details about how to dock the PD-6 to the EX12, as well as about the EX12 functions, see the EX12 owner's manual.

<About internal hard disk drive formatting>

The EX12 internal 40-GB hard disk drive is formatted when shipped (note that you have to format a 12-cm DVD-RAM disk before it is used with the EX12), and divided into "Normal mode" partitions, as with the Model 9056. However, unlike the Model 9056, each partition of the Model EX12 hard disk drive has 4.7-GB recording capacity (matching the size of a single-sided 12-cm DVD-RAM disk). Therefore, it can be regarded as if the EX12 hard disk has eight 4.7-GB 12-cm DVD-RAM disks.

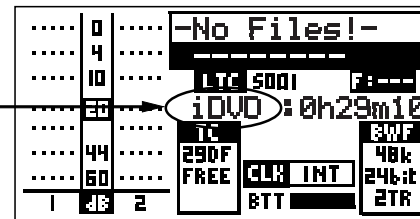
Selecting the current drive

When the Model 9056 or/and Model EX12 is/are fitted to the PD-6, you have to select the current drive (a DVD-RAM drive or hard disk partition).

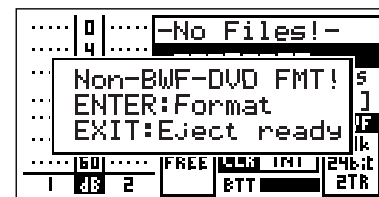
The following shows the procedure of selecting the current drive assuming that the Model 9056 is fitted to the PD-6.

It is also assumed that a formatted blank 8-cm DVD-RAM disk is set to the PD-6 DVD-RAM drive and the PD-6 DVD-RAM drive is selected as the current drive ("No Files!" is shown on the screen, as the screen example below).

<Note>: With the PD-6 software update, the current drive name is shown beside the remaining time indication on the Normal screen. On the screen example right, "iDVD" (which stands for internal DVD-RAM drive) is shown.



<Note>: If the PD-6 starts up while an unformatted disk is set to the internal DVD-RAM drive, the message as shown right appears on the display after loading the disk. In this case, press the [ENTER] key and format the DVD-RAM disk by following the procedure shown on page 8. (If the Model EX12 DVD-RAM drive is selected as the current drive and an unformatted disk is set to the EX12 DVD-RAM drive, carry out the similar operation.)

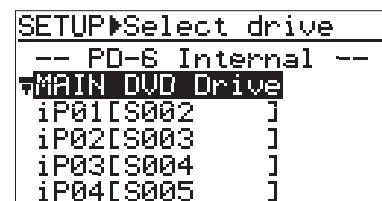


How to select the current drive

- 1) While the recorder is stopped, press the [SHIFT] key to turn on the [SHIFT] indicator, followed by the [LIGHT] key.

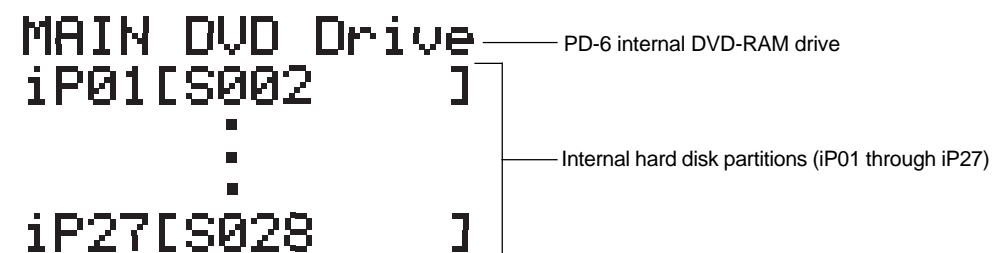
The display now shows the top page of the "Select drive" screen, which is newly added to the Setup mode. In this screen, the available drive/partition list is shown.

On the screen example below, the PD-6 DVD-RAM drive is selected as the current drive ("MAIN DVD Drive" is highlighted). Partitions of the Model 9056 are also shown in the list, which you can select among from.



<Note>: You can also bring up the "Select drive" screen above using the same procedure as with other Setup menu items (by pressing the [SETUP] key, using the [SEL] dial to highlight "Select drive", and then pressing the [ENTER] key).

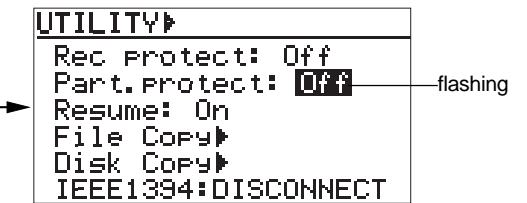
- 2) Use the [SEL] dial to highlight the desired drive or partition. By rotating the [SEL] dial, you can select the current drive among from "iP01" through "iP27", as well as "MAIN DVD Drive". Twenty-seven partitions are available in the optional Model 9056 and each partition has its default "reel number (volume label)".



Protecting a partition

When the Model 9056 or/and Model EX12 is/are fitted to the PD-6, you can provide software protection to each hard disk partition. Note that you can make protection setting only for a partition selected as the current drive.

- 1) Select a partition to be protected as the current drive. See "Selecting the current drive" described earlier for details about how to select the current drive.
- 2) While the recorder is stopped, press the [SHIFT] key to turn on the [SHIFT] indicator, followed by the [SETUP] key. The PD-6 enters the Utility mode.



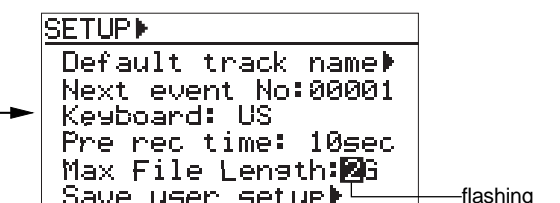
- 3) Use the [SEL] dial to highlight the "Part. protect" menu item and press the [ENTER] key. The current protection setting (by default, "Off") flashes.
- 4) Use the [SEL] dial to select "On" (or "Off") and press the [ENTER] key. The selected option is fixed.
- 5) Press the [EXIT] key to exit the Utility mode. The selected option is fixed.

Selecting maximum recording size of a file

You can select the maximum recording size (between 2 GB and 4 GB) of an audio file recorded to a DVD-RAM disk or partition on the Model EX12. Note that this function is only available when the Model EX12 is fitted to the PD-6.

<Note>: Depending on the maximum recording size, the PD-6 creates audio file(s) differently when the EX12 DVD-RAM disk (or partition) is formatted as the "Tape" mode. If "2G" (default) is selected, two 2-GB files are created. If "4G" is selected, a single 4-GB file is created.

- 1) Select the EX12 DVD-RAM drive or a partition as the current drive. See "Selecting the current drive" described earlier for details about how to select the current drive.
- 2) While the recorder is stopped, press the [SETUP] key. The PD-6 enters the Setup mode.
- 3) Use the [SEL] dial to highlight the "Max File Length" menu item and press the [ENTER] key. The current file size (by default, "2" of "2G") flashes.



- 4) Use the [SEL] dial to select "2G" or "4G" and press the [ENTER] key. The selected maximum recording size is fixed. The setting is stored to the PD-6 flash ROM.
- 5) Press the [EXIT] key to exit the Setup mode.

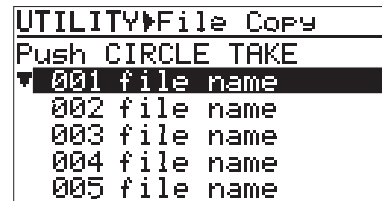
Depending on the option(s) fitted to the PD-6, the available copy destinations differ, as shown on the table below.

Only the PD-6 internal hard disk drive (Model 9056) is fitted:	"INT DVD", "iP01HD" through "iP27HD"
Only the Model EX12 is fitted:	"INT DVD", "EXT DVD", "eP01HD" through "eP08HD"
Both the PD-6 internal hard disk drive (Model 9056) and Model EX12 are fitted:	"INT DVD", "iP01HD" through "iP27HD", "EXT DVD", "eP01HD" through "eP08HD"

<Note>: You cannot select the copy source drive (or partition) as the copy destination. If you are going to do so, the error message appears and the display returns to show the screen for selecting the copy destination.

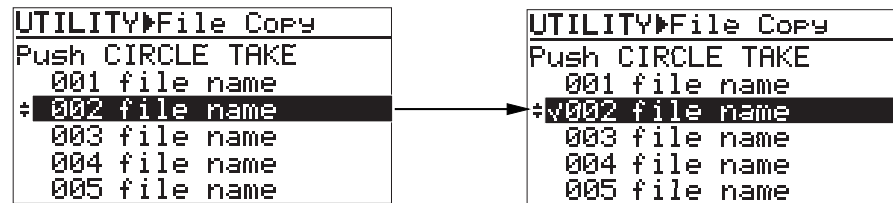
3) Use the [SEL] dial to highlight the copy destination drive (or partition) and press the [ENTER] key.

The display now shows the screen for selecting an audio file recorded on the current medium.



4) Use the [SEL] dial to highlight the desired audio file(s) to be copied, and press the [CIRCLE TAKE] key.

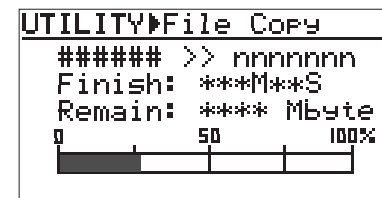
The audio file to be copied is selected and a check mark is placed to its name. You can select more than one audio file by repeating the operation above.



To deselect the audio file, highlight the file with a check mark and press the [CIRCLE TAKE] key again (on the screen example below, audio file 002 is selected).

5) After making audio file selection, press the [ENTER] key.

The PD-6 starts file copy to the destination medium (disk or partition). During file copy operation, the display gives an indication of the time and space remaining for the operation. When file copy completes, "Completed!" is shown on the display and the PD-6 stops accessing to the disk (or partition).



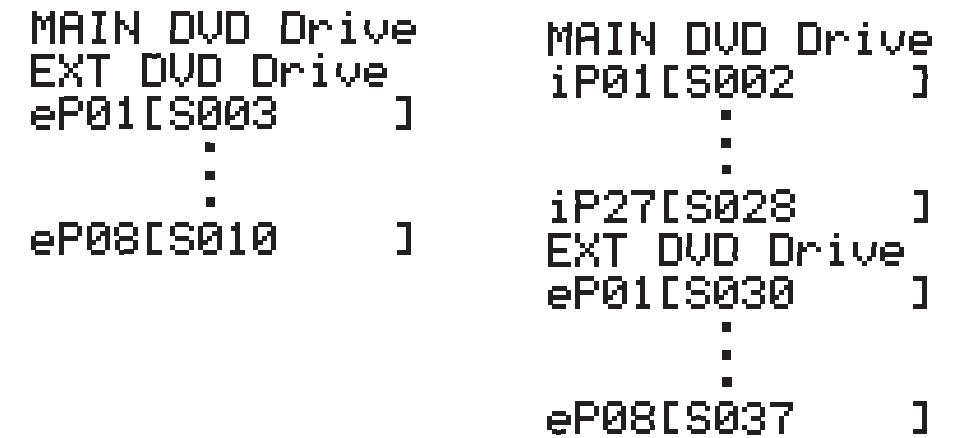
<Note>: If the available recording space of the copy destination is smaller than the copy source size, "Over copy size!" is shown and the display returns to the previous screen for selecting an audio file.

6) Press the [EXIT] key to exit the Utility mode.

<Note>: The following shows the contents of the available drive/partition list on the "Select drive" menu screen in the cases when only the Model EX12 is fitted to the PD-6 and when both the Model EX12 and Model 9056 are fitted to the PD-6.

<When only the Model EX12 is fitted to the PD-6>
 In addition to "MAIN DVD Drive", you have a choice from among "EXT DVD Drive" (EX12 DVD-RAM drive) and "eP01" through "eP08" (EX12 hard disk partitions).

<When both the Model EX12 and Model 9056 are fitted to the PD-6>
 You have a choice from among "MAIN DVD Drive", "iP01" through "iP27" (Model 9056 hard disk partitions), "EXT DVD Drive" (EX12 DVD-RAM drive) and "eP01" through "eP08" (EX12 hard disk partitions).

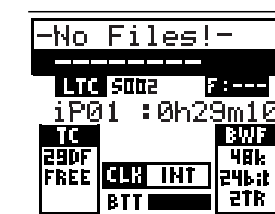


3) After highlighting the desired drive (or partition), press the [ENTER] key.

The drive (or partition) is loaded as the current drive. On the following Normal screen examples, no audio file is recorded to the selected drive (or partition).



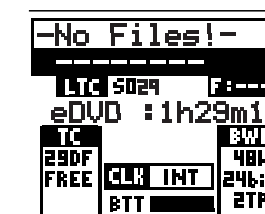
<When the PD-6 internal DVD-RAM drive is selected>
 iDVD: PD-6 internal DVD-RAM drive



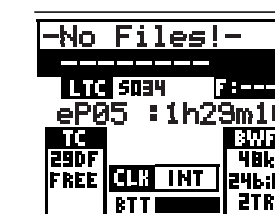
<When a PD-6 internal hard disk partition is selected>
 iP01: PD-6 internal hard disk partition 1

<Note>: When you turn off and then on the PD-6 power, the drive (or partition) previously loaded before turning off the power is loaded.

<Note>: The following two screen examples show the Normal screen when selecting the Model EX12 DVD-RAM drive and when selecting a Model EX12 hard disk partition (in each example, the selected drive (or partition) is formatted and no audio file is recorded).



<When the EX12 DVD-RAM drive is selected>



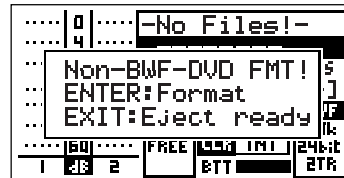
<When EX12 partition 5 is selected>

Reformatting a DVD-RAM disk (or hard disk partition)

You can reformat a DVD-RAM disk (or hard disk partition).

With the PD-6 software update to Version 2.0, the "Format" menu item in the Utility mode has been partially changed. To format a DVD-RAM disk (or hard disk partition), follow the procedure below, instead of the procedure described on "Formatting the current disk" in the original PD-6 manual.

<Note>: If you select a DVD-RAM drive (of the PD-6 or EX12) to which an unformatted DVD-RAM disk is currently set, the message as shown right appears. In this case, press the [ENTER] key, and skip to step 3) below.

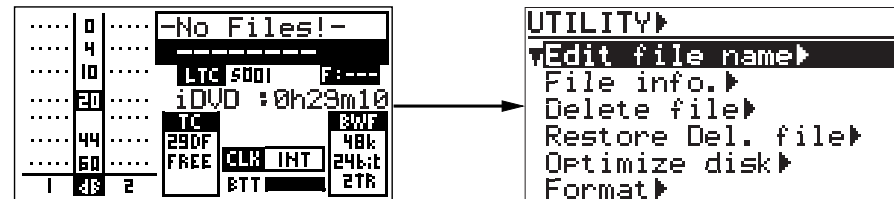


How to format a disk (or partition)

The following description is assumed that the PD-6 internal DVD-RAM drive is loaded as the current drive.

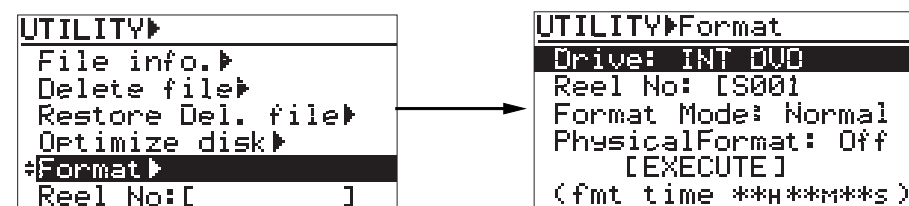
- 1) While the recorder is stopped, press the [SHIFT] key to turn on the [SHIFT] indicator, followed by the [SETUP] key.

The PD-6 enters the Utility mode and the display shows the Utility menu screen.



- 2) Use the [SEL] dial to highlight "Format" and press the [ENTER] key.

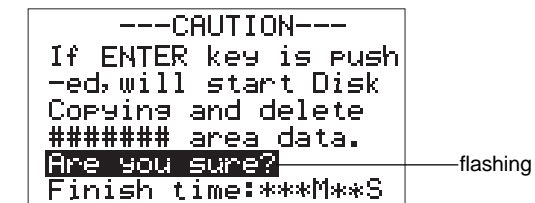
The display now shows the top page of the "Format" screen.



In the top page of the "Format" screen, you can set the following items. (See step 3) for details.)

<pre>UTILITY>Format Drive: INT DVD Reel No: [S001] Format Mode: Normal PhysicalFormat: Off [EXECUTE] (<fmt time **H**M**S)</pre>	<p>You can select a target drive (or partition) to be formatted. By default, the current drive is selected.</p> <p>You can edit a volume label. Note that you can format the drive (or partition) with the default volume label. Also note that you can edit the label via the Utility menu after formatting is completed. (By default, the volume label of the current drive is shown here.)</p> <p>You can select the format mode (by default, "Normal" is selected). You can select a format mode from among "Normal", "Tape" and "Mirror" ("Mirror" is newly added from Version 2.0). Depending on the selected mode, the next item changes.</p> <p>When the Normal mode is selected: You can select On/Off of physical formatting (by default, "Off" is selected).</p> <p>When the Tape mode is selected: You can select the disc type (by default, "New" is selected).</p> <p>When the Mirror mode is selected: No item here.</p>
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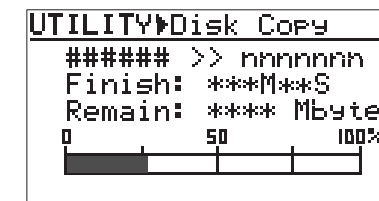
The display shows the "CAUTION" message on which "Are you sure?" flashes, as shown below. In the bottom of this message screen, the approximate time required for disk copy is shown. "#####" shows the copy destination.



- 4) If you are sure, press the [ENTER] key.

After showing "Setup dest disk" on the display, the PD-6 starts disk copy to the selected destination medium.

During disk copy operation, the display gives an indication of the time and space remaining for the operation. When disk copy completes, "Completed!" is shown on the display and the PD-6 stops accessing to the disk (or partition).



- 5) Press the [EXIT] key to exit the Utility mode.

File copy function

The file copy function copies a desired audio file recorded on the current drive to another recording medium (a DVD-RAM disk or hard disk partition).

To execute the file copy function, use the "File copy" menu item newly added to the Utility mode with the software upgrade.

Executing file copy function

The following procedure is assumed that the Model 9056 is fitted to the PD-6 and the PD-6 DVD-RAM drive is selected as the current drive.

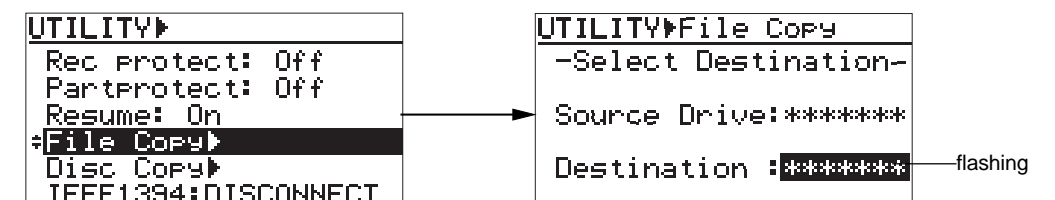
- 1) While the recorder is stopped, press the [SHIFT] key to turn on the [SHIFT] indicator, followed by the [SETUP] key.

The PD-6 enters the Utility mode.



- 2) Use the [SEL] dial to highlight the "File Copy" menu item and press the [ENTER] key.

You can now select the desired copy destination (disk or partition).



Disk copy function

The disk copy function fully copies all audio files recorded on a DVD-RAM disk (or hard disk partition) to another DVD-RAM disk (or partition). For example, if the Model 9056 optional hard disk drive is fitted to the PD-6, you can make disk copy between a DVD-RAM disk and partition, or between partitions.

To execute the disk copy function, use the "Disk copy" menu item newly added to the Utility mode with the software upgrade.

<Note>

- When the optional Model EX12 is fitted to the PD-6, you cannot make disk copy from a DVD-RAM disk (or partition) of the EX12 to a DVD-RAM disk (or partition) of the PD-6.
- You can make disk copy from a PD-6 DVD-RAM disk (or PD-6 hard disk partition) to a Model EX12 DVD-RAM disk (or PD-6 hard disk partition), however, the recording capacity of the copy destination medium automatically reduces from 4.7 GB to 1.48 GB when executing disk copy. A disk (or partition) whose recording capacity is reduced by disk copy can restore its original recording capacity (4.7 GB) by reformatting.

Executing disk copy function

The following procedure is assumed that the Model 9056 is fitted to the PD-6 and an audio file recorded on the PD-6 DVD-RAM drive, which is the copy source, is loaded.

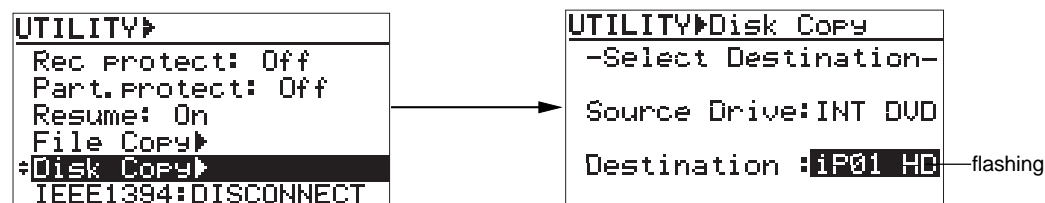
- 1) While the recorder is stopped, press the [SHIFT] key to turn on the [SHIFT] indicator, followed by the [SETUP] key.

The PD-6 enters the Utility mode.



- 2) Use the [SEL] dial to highlight the "Disk Copy" menu item and press the [ENTER] key.

You can now select the desired copy destination (DVD-RAM disk or partition).



Depending on the option(s) fitted to the PD-6, the available copy destinations differ, as shown on the table below.

Only the PD-6 internal hard disk drive (Model 9056) is fitted:	"INT DVD", "iP01HD" through "iP27HD"
Only the Model EX12 is fitted:	"INT DVD", "EXT DVD", "eP01HD" through "eP08HD"
Both the PD-6 internal hard disk drive (Model 9056) and Model EX12 are fitted:	"INT DVD", "iP01HD" through "iP27HD", "EXT DVD", "eP01HD" through "eP08HD"

- 3) Use the [SEL] dial to highlight the copy destination drive (or partition) and press the [ENTER] key.

- 3) Select the desired option for each item.

• Selecting the target drive (or partition) to be formatted

While the "Drive" item is highlighted, press the [ENTER] key.

The current setting starts flashing (in the example above, "INT DVD" flashes).

Use the [SEL] dial to highlight the desired drive (or partition) and press the [ENTER] key to confirm (now the next "Reel No" item is automatically highlighted).

Note that, if no option (Model 9056 or EX12) is fitted, only "INT DVD" is available.

• Editing the volume label

While "Reel No" is highlighted, press the [ENTER] key.

The first character of the current volume label starts flashing (in the example above, "S" flashes). Use the [SEL] dial or numeric keys to enter the desired label. You can move the cursor position by using the [←/→] keys. Up to 8 characters can be entered for the volume label.

After completing entering the desired label, press the [ENTER] key to confirm. Now the next "Format Mode" item is automatically highlighted.

Note that you can also edit the label after formatting using the "Reel No" menu item in the Utility mode, therefore, you do not have to edit the default volume label here.

• Selecting the format mode

While "Format Mode" is highlighted, press the [ENTER] key.

The current format mode starts flashing (in the example above, "Normal" flashes).

Use the [SEL] dial or numeric keys to select the desired mode, and press the [ENTER] key to confirm. The next item, which varies depending on the format mode selection, is automatically highlighted (see below).

Format mode	Details	Next step
Normal	The selected DVD-RAM disk (or hard disk partition) is formatted as the "New file mode". See also <Note 1> below.	You can select On/Off of the "Physical Format".
Tape	The selected DVD-RAM disk (or hard disk partition) is formatted as the "Tape mode". You can make insert recording to the "Tape mode" disk (or partition). See also <Note 2> below.	You can select the disk type between "New" and "Used".
Mirror (newly added option)	This option allows you to make mirror recording, and is available only when the "Drive" item is set to a hard disk partition or EX12 DVD-RAM disk. In other words, you cannot select "Mirror" when the PD-6 DVD-RAM disk is selected (see <Note 3> and <Note 4>). As with the Normal mode, a DVD-RAM disk (or hard disk partition) is formatted as the "New file mode".	There is no setting item. "EXECUTE" is highlighted.

<Note 1>: With the PD-6 software update, when formatting a DVD-RAM disk as the "Normal" mode, the PD-6 performs brief inspection of dirt, dust and defect on the medium even if "Physical Format" is set to "Off". However, note that the inspection cannot perfectly detect any dirt, dust and defects.

<Note 2>: When formatting a DVD-RAM disk or hard disk partition of the PD-6 as the "Tape" mode, one audio file is created. When formatting a DVD-RAM disk or hard disk partition of the EX12 as the "Tape" mode, two 2-GB audio files are created by default. However, note that, depending on "Max File Length" setting, the number of files created on a DVD-RAM disk or hard disk partition of the EX12 may change. If "Max File Length" is set to "2GB", two files are created. If it is set to "4GB", one file is created. See page 19 for details.

<Note 3>: For a DVD-RAM disk or partition to which you are going to execute mirror recording, we recommend physically formatting by the "Normal" mode, and then reformatting by the "Mirror" mode.

<Note 4>: Depending on which recording medium (a PD-6 hard disk partition, EX12 hard disk partition or EX12 DVD-RAM disk) is "Mirror"-formatted, the mirror disk is automatically designated as shown below.

- PD-6 internal hard disk partition -> PD-6 DVD-RAM disk
- EX12 DVD-RAM disk -> PD-6 DVD-RAM disk
- EX12 hard disk partition -> EX12 DVD-RAM disk

To release the mirror disk, you need to execute reformatting the primary recording medium as the Normal or Tape mode. See "Mirror recording" on page 12 for details about formatting by the "Mirror" mode.

• Physical format on/off setting

Only when selecting "Format Mode" to "Normal", you can select On or Off of the physical format. After making On/Off setting, press the [ENTER] key to highlight "[EXECUTE]" on the screen.

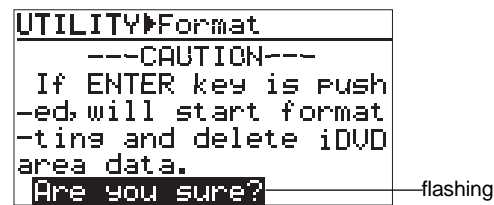
On	The whole disk (or partition) is physically formatted. The time required for formatting is longer, but we recommend formatting a disk (or partition) which has been used for a long time.
Off	This is suitable for formatting a relatively new disk (or partition). With the software update, the PD-6 performs brief inspection of dirt, dust and defect on the medium for a DVD-RAM disk, therefore, it takes more time for formatting, compared with the older software version.

• Disk type selection

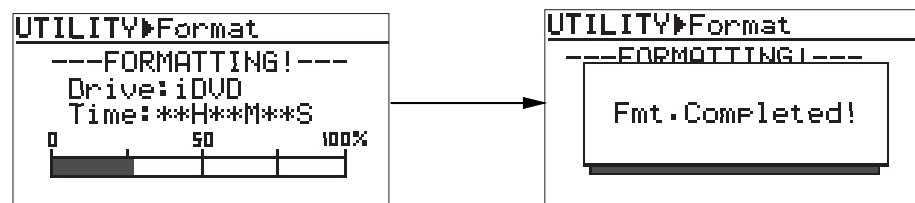
Only when selecting "Format Mode" to "Tape", you can make disk type selection between "New" and "Old". After selecting the desired disk type, press the [ENTER] key to highlight "[EXECUTE]" on the screen.

New	The PD-6 executes the quick format. The disk (or partition) is not initialized. Audio data recorded on the disk (or partition) is not erased.
Used	The PD-6 physically formats the whole disk (or partition). All recorded audio data is erased.

- 4) **While "EXECUTE" is highlighted, press the [ENTER] key.**
The display shows the caution screen before executing formatting, on which "Are you sure?" flashes.



- 5) **If you are sure, press the [ENTER] key.**
The display now shows the formatting progress screen. When formatting completes, "Fmt.Completed!" is shown.



- 6) **Press the [EXIT] key repeatedly until the Utility mode exits.**
The display shows the Normal screen, on which "No Files!" is shown after formatted.

Options include "intDVD", "intDVD (IMM)", "extDVD" and "extDVD (IMM)", as well as "Off"(default). See the table below for details of each option.

intDVD	Data is copied to the PD-6 DVD-RAM disk in the background mode.
intDVD (IMM)	Data is copied to the PD-6 DVD-RAM disk in the immediately mode.
extDVD	Data is copied to the EX12 DVD-RAM disk in the background mode.
extDVD (IMM)	Data is copied to the EX12 DVD-RAM disk in the immediately mode.

- 4) **Use the [SEL] dial to highlight the desired option and press the [ENTER] key.**
"Setup auto copy" message appears and the auto copy mode and destination are selected. The setting is stored to the PD-6 flash ROM.

For example, to make auto copy to the PD-6 DVD-RAM disk while making recording to the PD-6 hard disk partition, select "intDVD (IMM)".

- 5) **Press the [EXIT] key to exit the Setup mode.**
The display now shows the Normal screen for partition 1 (iP01). When the auto copy function is active (i.e. the "AutoCopy" menu item is set to any option but "Off"), the remain of the copy source partition and copy destination disk are shown alternately.
In this condition, "C" (in the Immediately mode) or "B" (in the Background mode) is added to the copy source partition name, while "D" is added to the copy destination disk name when they are shown.

Executing auto copy

- 6) **Press the [REC] key to start recording to the partition.**
The audio data is recorded to the partition, as well as copied to the PD-6 DVD-RAM disk (which is specified as the copy destination in step 4) above) in realtime. During recording, the partition name ("iP01" in this example) and "REC" are shown alternately.
- 7) **Press the [PAUSE] key to stop recording.**

If you choose the background mode (i.e. "intDVD" or "extDVD" in step 4) and execute recording, auto copy actually starts when pressing the [PAUSE] key to stop recording. When starting auto copy, "Backup Copy start!" is shown on the display for a few seconds, and immediately after auto copy finishes, "Backup Copy Finished!" is shown.

In the background mode, even if no copy destination disk is set, the PD-6 makes recording to the partition. In such a case, the copy data remains internally after recording to the partition finishes, therefore, auto copy is executed by setting a copy destination disk.

<Note>: If you execute auto copy without setting a copy destination disk, the copy data remains until turning off the PD-6. Once you turn off the PD-6, the PD-6 does not execute auto copy even if you set a copy destination disk.

<Note>: If you do not need to make auto copy, set the "Auto Copy" menu item back to "Off".

<Note>: Auto copy cannot be canceled by False start.

Auto copy function

The auto copy function automatically copies the audio file which is being recorded to a hard disk partition (of the PD-6 or EX12) to the specified DVD-RAM disk (of the PD-6 or EX12). The following two copy modes are available. You can select the copy mode, as well as the copy destination, via the "Auto Copy" menu item which is added to the Setup mode.

Immediately mode:	Copy recording is executed simultaneously when recording is executed to the current drive. The recording size of a take is limited to the smaller capacity of the current drive and copy destination. <i><Note>: In this mode, if no DVD-RAM disk is set to the copy destination, the PD-6 cancels the auto copy mode and returns to the normal recording mode.</i>
Background mode:	Immediately after the PD-6 ends recording to the current drive and stops or pauses, the copy starts. In this mode, if no DVD-RAM disk is set to the copy destination, you can start copying by setting a disk. <i><Note>: If you turn off the PD-6 before setting a disk to the copy destination, the copy data is erased.</i>

<Note>: If you turn off the PD-6 before setting a disk to the copy destination, the copy data is erased.

<Note>: Editing the name or meta data of the file on the partition does not reflect to the data for the DVD-RAM disk.

<Note>: Auto copy cannot be canceled by False start.

Selecting the auto copy mode and destination

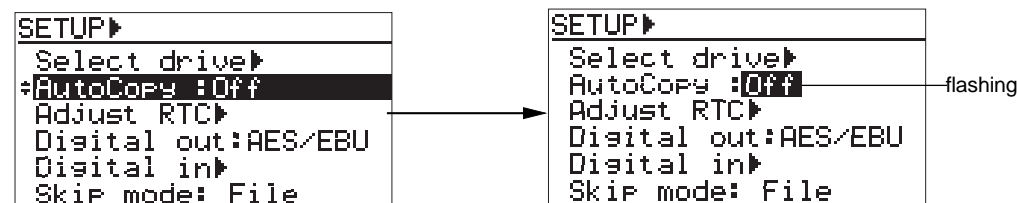
The following procedure is assumed that the Model 9056 is fitted to the PD-6 and the PD-6 DVD-RAM drive is selected as the current drive.

- 1) **Select the partition to which audio data is recorded.**
See "Selecting the current drive" described earlier for details.
- 2) **While the recorder is stopped, press the [SETUP] key to enter the Setup mode.**

```

SETUP▶
Select drive▶
AutoCopy :Off
Adjust RTC▶
Digital out:AES/EBU
Digital in▶
Skip mode: File
    
```

- 3) **Use the [SEL] dial to highlight the "AutoCopy" menu item and press the [ENTER] key.**
You can now select the desired auto copy mode and copy destination. By default, "Off" flashes.



Mirror recording

Mirror recording is a special function which automatically records the same data to the mirror disk (*) simultaneously while recording audio data to the EX12 DVD-RAM disk or hard disk partition formatted as the "Mirror" mode.

This means, at the end of a day's shooting, the DVD-RAM disk (mirror disk) can be handed over to the edit suite of audio files almost immediately while a duplicate set of recording is held on the current drive (partition).

<Note>: Mirror recording function is available only when the Model 9056 or/and Model EX12 is/are fitted to the PD-6.

(*) About mirror disk

The DVD-RAM disk which is the partner of the current drive formatted as the "Mirror" mode is called "a mirror disk". When formatting the PD-6 internal hard disk partition, EX12 internal hard disk partition or EX12 DVD-RAM disk as the "Mirror" mode, the mirror disk is automatically designated.

- **When the PD-6 internal hard disk partition is formatted as the "Mirror" mode:**
The PD-6 internal DVD-RAM disk (8-cm) is designated as the mirror disk.
- **When the EX12 internal hard disk partition is formatted as the "Mirror" mode:**
The EX12 internal DVD-RAM disk (12-cm) is designated as the mirror disk.
- **When the EX12 DVD-RAM disk is formatted as the "Mirror" mode:**
The PD-6 internal DVD-RAM disk (8-cm) is designated as the mirror disk.

<Note>: When the EX12 DVD-RAM disk is formatted as the "Mirror" mode, it is regarded as a 1.48-GB disk, matching the size of the mirror disk (i.e. PD-6 DVD-RAM disk). However, if you reformat the disk as the mode other than the "Mirror" mode, the disk restores 4.7-GB capacity.

<Note>: You cannot record data directly to the mirror disk alone. To make it possible to record data to the mirror disk in realtime, reformat the current medium as the mode other than the "Mirror" mode. Also note that mirror recording is made only to the mirror disk which is the partner of the current medium (as shown above). If you do not set a mirror disk, the error message appears and mirror recording is not carried out.

<Note>: In a sense, you can consider that the mirror recording creates two same disks. Therefore, editing the file name, meta data or disk volume label is also reflected to the mirroring disk.

Formatting as the "Mirror" mode

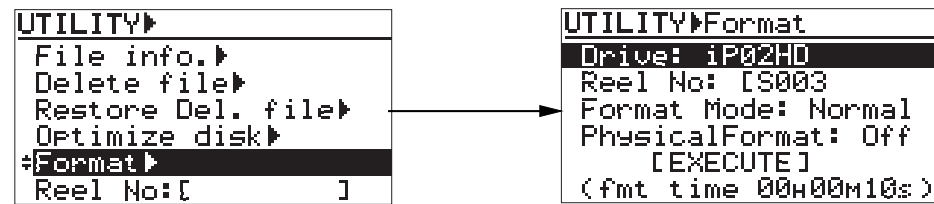
To carry out mirror recording, you have to format the current partition or DVD-RAM disk as the "Mirror" mode. The following procedure shows how to format a PD-6 internal partition as the "Mirror" mode, assuming that the Model 9056 is fitted to the PD-6 and a DVD-RAM disk is set to the PD-6.

- 1) **Select an internal hard disk partition to be recorded.**
Let's assume to select internal hard disk partition 2 (iP02).
See "Selecting the current drive" described earlier for details about how to select the current drive.
- 2) **While the recorder is stopped, press the [SHIFT] key to turn on the [SHIFT] indicator, followed by the [SETUP] key.**
The PD-6 enters the Utility mode.

```

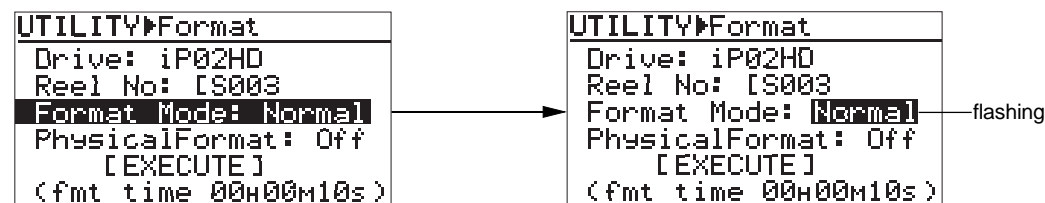
UTILITY▶
Edit file name▶
File info.▶
Delete file▶
Restore Del. file▶
Optimize disk▶
Format▶
    
```

- Use the [SEL] dial to highlight the "Format" menu item and press the [ENTER] key. The display shows the top page of the "Format" screen.

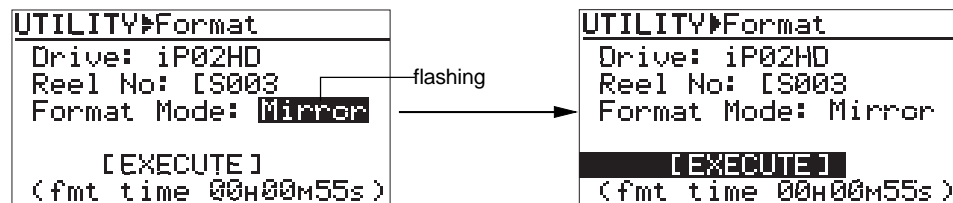


We assume to use the default reel number (volume label) here, and skip to the format mode selection. (If you want to change the volume label later, you can do it using the "Reel No" menu item in the Utility mode.)

- Use the [SEL] dial to highlight "Format Mode" and press the [ENTER] key. The current format mode ("Normal" on the screen example below) flashes. You can now select the desired format mode.



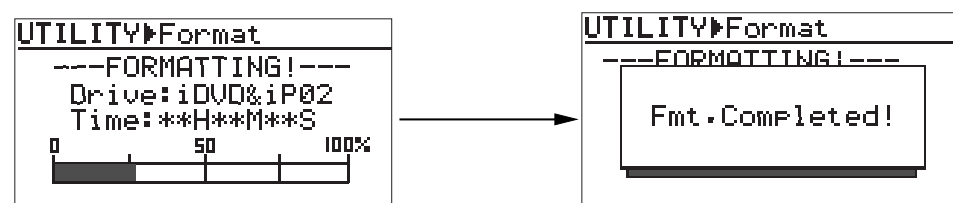
- Use the [SEL] dial to highlight "Mirror" and press the [ENTER] key. The format mode is set to "Mirror" and "[EXECUTE]" is highlighted.



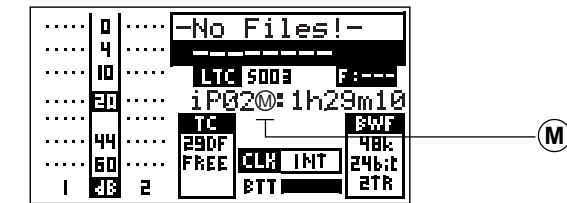
- While "[EXECUTE]" is highlighted, press the [ENTER] key. The display shows the caution message before executing formatting. By formatting PD-6 internal hard disk partition 2 (iP02HD) as the Mirror mode, the PD-6 internal DVD-RAM disk is designated as the mirror disk. Therefore, as this caution message tells you, all data on the internal DVD-RAM disk and Model PD-6 internal hard disk partition 2 are erased by executing formatting. To stop formatting, press the [EXIT] key repeatedly until the Utility mode exits.



- If you are sure, press the [ENTER] key to execute formatting. The display now shows the formatting progress screen. When formatting completes, "Fmt.Completed!" is shown.



- Press the [EXIT] key repeatedly until the Utility mode exits. Immediately after exiting the Utility mode, the display returns to the Normal screen of the current drive (in this procedure example, PD-6 internal hard disk partition 2) before entering the Utility mode, while the PD-6 scans the mirror disk. On the Normal screen, you can see "M" beside the name of the "Mirror" formatted partition, as shown below.

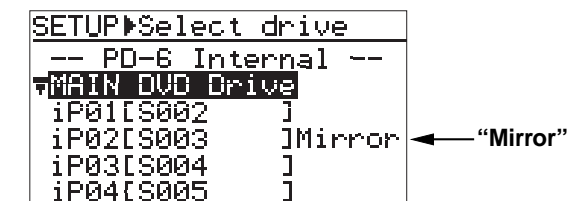


Executing mirror recording

The following procedure is assumed that the selected partition is "Mirror" formatted and a mirroring disk is set to the partner DVD-RAM drive.

<Note>: To execute mirror recording, you must set a mirroring disk to the partner DVD-RAM disk drive. If an inappropriate DVD-RAM disk is set to the DVD-RAM disk drive or no disk is set before starting mirror recording, the PD-6 detects an error when scanning the mirroring disk, and shows an appropriate caution message ("Absent Mirroring Disk" or "Un matched! Mirroring Disk").

<Note>: If you switch the current drive before executing mirror recording, select a "Mirror" formatted hard disk partition (or DVD-RAM disk) and set a mirroring disk to the partner drive. On the "Select drive" screen, "Mirror" is added to the label of a "Mirror" formatted partition (or DVD-RAM disk).



If you select a "Mirror" formatted partition and set a mirroring disk to the partner DVD-RAM drive, the PD-6 scans the mirroring disk and "Matched! Mirroring Disk" is shown for a second.

- Start recording to partition 2 ("iP02"). The PD-6 also starts mirror recording in the background to the internal DVD-RAM disk which is the mirroring disk, as well as recording to partition 2 ("iP02"). During mirror recording, the partition name and "REC" are shown alternately.
- After completing recording, press the [PAUSE] key to stop recording.