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### Introduction

The Panasonic DVD recorder can record directly to DVD discs or to its own internal Hard Drive (HDD). It records in real time.

There are a range of selectable recording modes and storage times:  
 1 hour (XP), 2 hours (SP), 4 hours (LP), 6 hours (EP) using single-sided DVD-RAM and DVD-R discs.

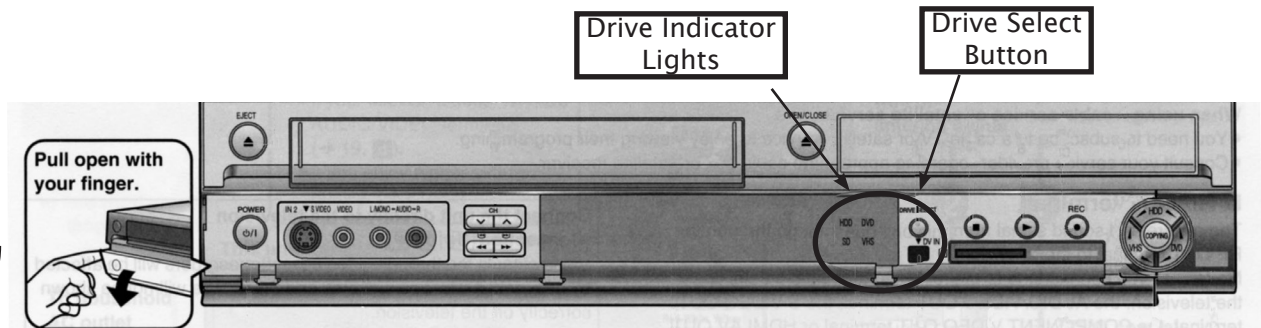
The 80 GB hard disc drive can record up to 52 hours in EP mode, and 8.5 hours in highest quality XP mode. It can record 6 hours continuously. If you would like to make multiple copies of a disc, or edit footage, record to the HDD drive instead of recording directly to DVD-R.

The DVD recorder records to 4.7 GB DVD-R and DVD-RAM discs.

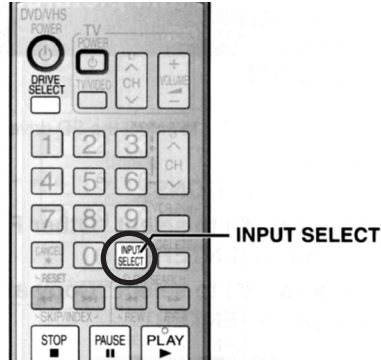
### Recording Directly to DVD-R

Recording directly from a video player such as VHS, miniDV, or other AV format:

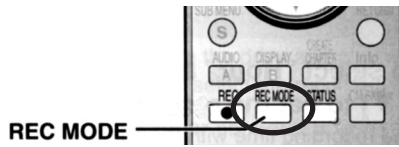
1. Load a blank DVD-R disc into the DVD recorder.
2. Press [DRIVE SELECT] to select the playback drive to DVD - "DVD" will light up.



3. Check to make sure IN1 is selected on the front display. To change the selection, press [INPUT SELECT] until IN1 appears on display.

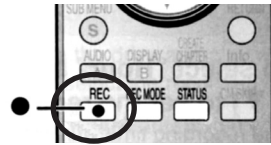


4. Press [REC MODE] on remote control to select recording mode (XP, SP, LP, EP)



5. Press [PLAY] on the input video player.

6. Press record [REC] on the remote control at the point where you want to start recording.



The unit records in real time, so a 30-minute program will take 30 minutes to record. To skip unwanted parts you can press [PAUSE] on the remote. Press [PAUSE] again to resume recording.

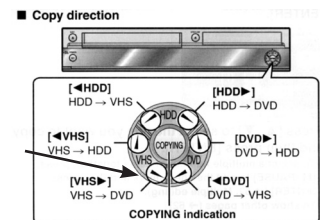
7. To stop recording when your program has finished press [STOP] on the remote control.



After you have finished recording the DVD will need to be finalized before it can be played on other machines. Refer to page 5 for instructions on how to finalize your disc.

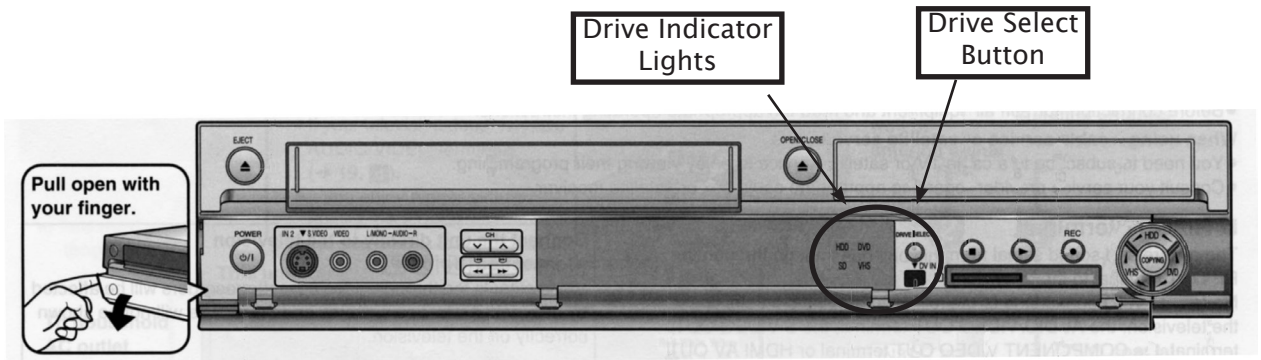
### Copying VHS Directly to DVD-R:

1. Insert VHS cassette.
2. Load a blank DVD-R or DVD-Ram disc into the DVD recorder.
3. Select the recording mode. VHS ↔ DVD.
4. Press [Copy] to begin recording.

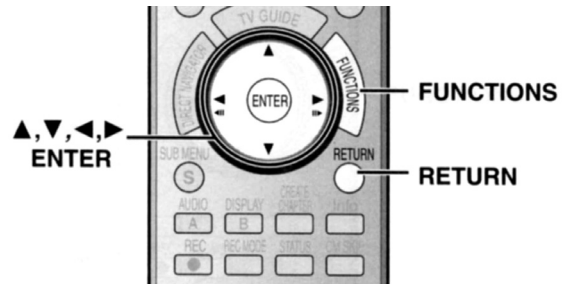


## Entering a Title:

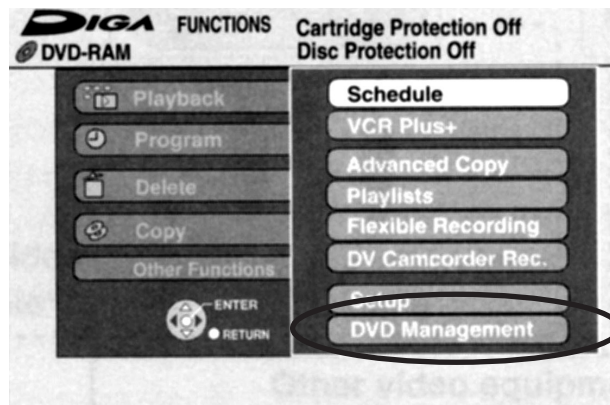
1. Press [DRIVE SELECT] to select the playback drive to DVD – “DVD” will light up.



2. On remote control press [FUNCTIONS]



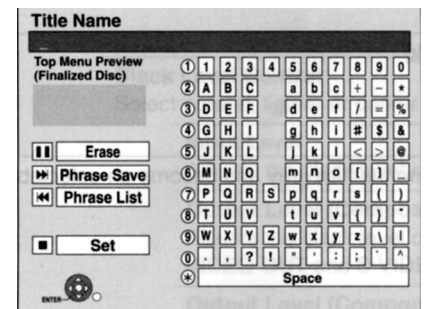
3. Use the arrow keys on the remote control [▲,▼,◀,▶] to move through the menu displayed on-screen. Select [Other Functions], then select [DVD Management] from the on-screen options, and press [ENTER] on the remote.



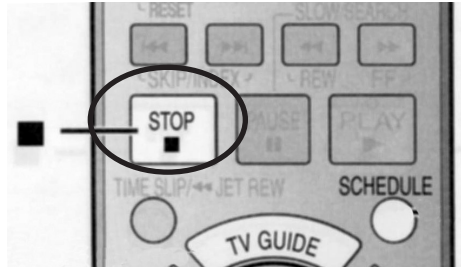
4. Select [Disc Name] from the on-screen options, and press [ENTER] on the remote.

5. Select “Enter Title” from the on-screen display and press [ENTER] on the remote.

6. You can enter up to 40 characters. Use the arrow keys on the remote to navigate to each character or punctuation mark and press [ENTER] to select. The pause button [;] on the remote will erase incorrect selections.



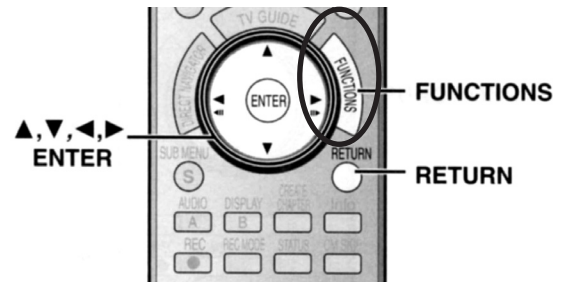
7. When the title is completed press [STOP] on the remote control or [Set] on the display.



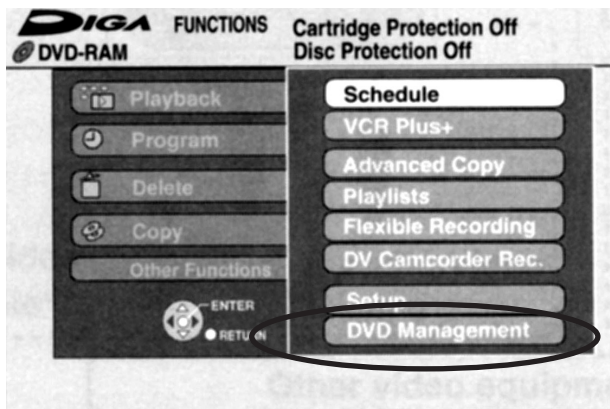
A few seconds later you will return to the “DVD Management” on-screen menu.

## Choosing a Menu for the DVD:

1. On remote control press [FUNCTIONS]

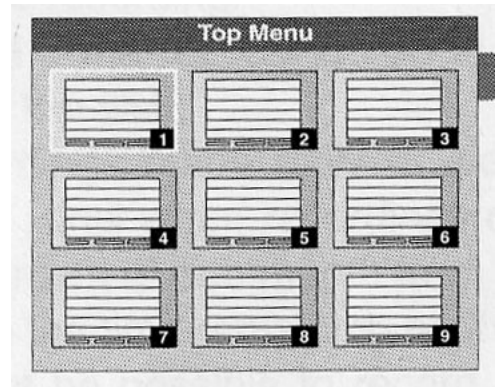


2. Using the arrow keys on the remote control select [Other Functions], then select [DVD Management] from the on-screen menu and press [ENTER] on the remote.



3. Use the arrow keys on the remote to select [TOP MENU] from the on-screen options, then press [ENTER] on the remote.

4. Using the arrow keys on the remote control, choose one of nine backgrounds from the on-screen display:



5. Press [Enter] on the remote to select. The “DVD Management” menu will appear on-screen again.

## Finalizing the Disc:

In order to play a DVD on other DVD players, you must finalize the disc.

1. On the remote control press [FUNCTIONS] and choose “DVD Management” from the on-screen menu, then press [ENTER] on the remote.
2. Using the arrow keys on the remote choose [FINALIZE] from the on-screen options, then press [ENTER] on the remote.
3. You will be asked if you are sure you want to finalize. Select [YES] from the on-screen options using the arrows on the remote, and press [ENTER] on the remote.
4. Using the arrow keys on the remote choose [START] from the on-screen options, then press [ENTER] on the remote.

The finalizing process will take several minutes. A message appears when finalizing is finished. After it has finished, the disc is finalized, and the recording process is complete.

5. Press [ENTER].