

OPTIONAL – Naming the DVD:

1. Complete steps 1-4 of “Disk Management” above.
2. Use the arrow buttons to choose “Disc Name.” Then press ENTER.
3. Use the arrow buttons to navigate to the letters, numbers or symbols you desire. Press ENTER to choose one.
4. When you have finished naming your disc, press the STOP button to “set” it.
5. Press RETURN to exit this area.

Finalize the DVD so it can play in most DVD players and computers with DVD drives

This step is not necessary if you use a DVD-RAM. All other DVD types need this step, or they will only play in this DVD player, not any other!

1. Complete steps 1-4 of “Disk Management” above.
2. Use the arrow buttons to choose “Finalize.” Then press ENTER. The TV screen will display the time needed to finalize the disc, and ask if you want to continue.
3. Use the left arrow button to choose “Yes.” Then press ENTER.
4. Use the left arrow button to choose “Start.” Then press ENTER.
 - Once you’ve reached this point, you cannot cancel finalizing.
 - Finalizing generally takes about 15 minutes, but may take more or less, depending on the number and length of programs you have recorded.
 - When finalizing is finished, the TV screen will display “Finalizing complete.”
5. Press ENTER

Your DVD will now have a very basic menu that you can use to choose programs (titles) when you put it in a DVD player or computer. If you do not choose where to begin playing, it will automatically start playing the first program (title) and continue to the next one (with a few seconds pause in between.)

VHS to DVD dubbing (copying)

There are four components to the system on this cart. Please ensure that all 4 items are present when you receive the cart, and when you return the cart.

1. **Phillips TV**
 - Has a damaged power button, so turn it on with the Phillips remote
 - Channel should already be set. If you need to reset it, it's AUX.
2. **Phillips Remote**
3. **Panasonic DMR-ES40V VHS-DVD unit**
 - Channel should already be set. If you need to reset it, it's IN1.
 - In the instructions below, this is referred to as “the unit.”
4. **Panasonic Remote**



NOTE: Some VHS tapes have copy-protection features and cannot be copied with this unit.

You must provide your own blank DVD.

You can record to:

- DVD-RAM
- DVD-RW
- DVD-R
- DVD+R



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About these instructions:

Nearly all functions require use of the Panasonic remote. The few buttons that must be pressed on the unit will be indicated in the instructions. Some functions can be done by a button on the remote and/or by a button on the unit.

There are 2 steps you must do: copy, and finalize. The rest is optional.

Copy (dub)

1. Insert your VHS tape and your blank DVD.
2. Press OPERATION SELECT (on the remote or on the unit) so that the "DVD" indicator on the unit glows orange.
3. Press REC MODE repeatedly to scroll through the choices for recording modes. The chart below compares recording modes, picture quality, and maximum recording times for each type of DVD.

Recording Mode	Picture Quality	Type of DVD you are recording to		
		DVD-RAM single sided	DVD-RAM double sided	DVD-RW, DVD-R, DVD+R
		4.7 GB	9.4 GB	4.7 GB
XP (high quality)	best	1 hour	2 hours	1 hour
SP (normal)	very good	2 hours	4 hours	2 hours
LP (long play)	good	4 hours	8 hours	4 hours
EP (extra long play) 6H	fair	6 hours	12 hours	6 hours
EP (extra long play) 8H	poor	8 hours	16 hours	8 hours

4. At the bottom of the remote, where it says DUBBING, press button **B** → **DVD** and hold for 3 seconds. (Or, on the unit, look for the large silver circle, where it says **VHS** ← **DUBBING** → **DVD**. Press and hold the right side for 3 seconds.)
 - The TV screen will display "Dubbing in ___ mode. Press STOP to cancel."
 - The word DUBBING on the unit will glow red.
 - The VHS tape will automatically begin to play, and will be displayed on the TV screen.
5. When you reach the end of the program on your VHS tape, press STOP (on the remote.)
 - TV screen will display "writing info on disc, please wait."
 - It may take about 30 seconds for the unit to complete writing the disc at this point.
 - TV screen will display "Dubbing canceled." It's not really cancelled in the sense of "aborted" – it's simply stopped. The stuff you recorded is actually there.

You may repeat steps 1-4 to record additional programs onto your disc, if there is enough time available on the disc. To check the time available, go into the "Disk Management" area as described below.

Each program you record is put on the disc as a separate "title." The default name for each title is the date and time. You may wish to actually give it name.

OPTIONAL – Naming the programs (titles):

1. Press DIRECT NAVIGATOR. Default names and thumbnails will be shown for each program (title.)
2. Use the black left, right, up, down arrows on the remote to choose the program (title) you wish to rename.
3. Press SUB MENU.
4. Use the arrow down button to choose "Edit Title." Then press ENTER.
5. Use the arrow down button to choose "Title Name." Then press ENTER.
6. A default title will be shown. You can erase this by using the up arrow to get onto that line.
7. Use the left arrow to delete each letter. Then use the down arrow to get back to the grid of letters and numbers.
8. Use the arrow buttons to navigate to the letters, numbers or symbols you desire. Press ENTER to choose one.
9. When you have finished naming your program (title), press the STOP button to "set" it.
10. Repeat as needed for each program (title) on your disc.
11. Press RETURN to exit this area.

OPTIONAL – Choosing a "thumbnail" to display with each program (title):

1. Press DIRECT NAVIGATOR. The first screen of your program is the default thumbnail.
2. Use the black left, right, up, down arrows on the remote to choose the program (title) you wish to rename.
3. Press SUB MENU.
4. Use the arrow down button to choose "Edit Title." Then press ENTER.
5. Use the arrow down button to choose "Change Thumbnail." Then press ENTER.
6. Press PLAY to begin your program. Press ENTER when you reach the screen that you wish to become your new thumbnail. You can use FF and REW buttons if you wish.
7. If you didn't get quite the picture you wanted, use the arrow buttons to choose "Change" and try again.
8. Use the arrow buttons to choose "Exit." Then press ENTER.

OPTIONAL – Using the "Disk Management" function:

1. Press OPERATION SELECT (on the remote or on the unit) so that the "DVD" indicator on the unit glows orange.
2. Press FUNCTIONS.
3. Use the arrow down button to choose "Other Functions." Then press ENTER.
4. Use the arrow down button to choose "Disk Management." Then press ENTER.
5. The following information about your disc will be displayed:
 - type of DVD
 - number of programs (titles) recorded
 - time used
 - time remaining
 - recording mode
6. Press RETURN to exit this area.