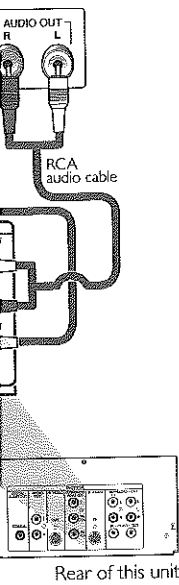


External device has monaural output for this connection.



Rear of this unit

Recording from an External Device



Before recording from an external device, refer to "Connecting to an External Tuner" (p.17).

1 Recording to a DVD

Press [DVD], then insert a recordable disc.

- Refer to "How to Insert a Disc" (p.25).
- It takes a while to load the disc.

Recording to a Cassette tape

Press [VCR], then insert a cassette tape with an erase-protection tab intact.

- Refer to "How to Insert a Cassette Tape" (p.25).

2 Select the appropriate external input channel (L1 or L2) by pressing [INPUT].

- If the external device is connected to the rear of this unit, select L1.
- If the external device is connected to the front of this unit, select L2.
- You can also select L1 or L2 channel by using the [Number buttons]. (e.g., For L1, press [0], [0], [1])

3 Press [REC MODE] repeatedly to select a recording mode.

- Refer to "Recording Mode" (p.26) for DVD or "Recording" (p.64) for VCR.

4 Press [●REC] on the unit to start recording.

5 Start playback on the external device.

6 For disc

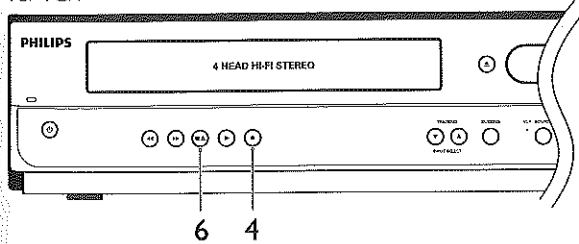
Press [■] on the unit to stop recording.

For cassette tape

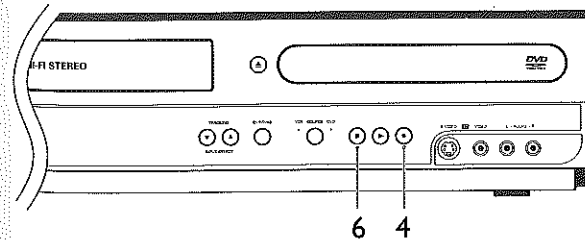
Press [■▲] on the unit to stop recording.

- This operation may take a while to complete.

For VCR



For DVD



Bi-directional Dubbing



You can copy the contents of a DVD to a cassette tape or do vice versa. This function is only available when the contents are not copy-protected. (Before you start, refer to page 26 for the list of compatible discs.)

Notes for dubbing

- The dubbing direction setting in the "Dubbing Mode" menu is always reset to "VCR → DVD" whenever you switch the unit to standby mode.
- You cannot change the output mode during VCR to DVD or DVD to VCR duplication.

Notes for recording to a cassette tape

- Make sure
 - the cassette tape's erase-protection tab is intact.
 - the cassette tape is long enough.

Notes for recording to a disc

- Make sure
 - the disc is compatible (refer to page 26).

Preparing for dubbing (cassette tape to DVD):

- Insert a cassette tape to be dubbed.
- Insert a recordable DVD.
- Make sure there is enough space on the DVD.

Preparing for dubbing (DVD to cassette tape):

- Insert a disc to be dubbed.
- Insert a cassette tape with an erase-protection tab intact.
- Make sure there is enough recordable length on the tape.

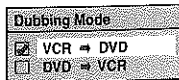
- 1 Press [SETUP], then use [▲ / ▼] to select "General Setting", then press [OK].
 - The "General Setting" menu will appear.
- 2 Use [▲ / ▼] to select "Recording", then press [OK].
 - The "Recording" menu will appear.
- 3 Use [▲ / ▼] to select "Dubbing Mode", then press [OK].
 - The selection menu will appear.

output jack type, then press

select "Video In".
select "S-Video In".

VCR to DVD

- 4 Use \blacktriangle / \blacktriangledown to select "VCR \Rightarrow DVD", then press [OK].

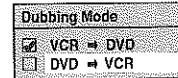


Press [SETUP] to exit.

- 5 Press [DVD], then press [REC MODE] repeatedly to select a desired recording mode.
- 6 Press [VCR], then press \blacktriangleright to find the point where you would like to start dubbing.
- 7 Press \parallel when you come to a desired start point.
- 8 Press [DUBBING].
- VCR to DVD duplication will start.
- 9 Press \blacksquare to stop the dubbing.

DVD to VCR

- 4 Use \blacktriangle / \blacktriangledown to select "DVD \Rightarrow VCR", then press [OK].




Press [SETUP] to exit.

- 5 Press [VCR], then press [REC MODE] repeatedly to select a desired recording mode.
- Rewind or fast forward the tape to the point where you would like to start recording.
- 6 Press [DVD], then press \blacktriangleright to find the point where you would like to start dubbing.
- 7 Press \parallel when you come to a desired start point.
- 8 Press [DUBBING].
- DVD to VCR duplication will start.
- 9 Press \blacksquare to stop the dubbing.

 Notes for DVD to VCR duplication

- This function is available for audio CDs, but not CDs with JPEG files.
- The recording mode for VCR cannot be displayed in step 5 when using an HDMI / Component / S-Video connection. To display the VCR recording mode on the screen, the unit must be connected through the VIDEO OUT jack and the TV's input select should be set to the appropriate external input channel.

 Notes for VCR to DVD duplication

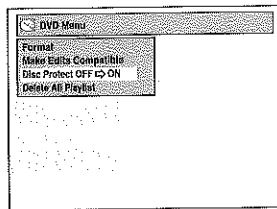
- After starting VCR to DVD duplication, the picture may be distorted because of the auto tracking function. This is not a malfunction. Play the tape until the picture is stabilized, then set the starting point where you would like to start recording, and start VCR to DVD duplication.
- This unit will automatically stop the duplication if playback with no image is detected for more than 3 minutes during VCR to DVD duplication.
- Playback sound mode of the dubbed contents is determined by the playback sound mode of the VCR at the point of dubbing.

Protecting a Disc

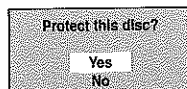


To prevent the accidental recording, editing, or erasing of the titles, you can set disc protection in the "DVD Menu".

- 1 Press [SETUP].
- 2 Use \blacktriangle / \blacktriangledown to select "DVD Menu", then press [OK].
- 3 Use \blacktriangle / \blacktriangledown to select "Disc Protect OFF \Rightarrow ON", then press [OK].



- 4 Use \blacktriangle / \blacktriangledown to select "Yes", then press [OK].

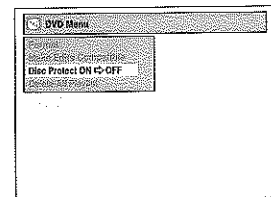


- The disc will be protected.
- This operation may take a while to complete.

 Note(s)

To cancel the disc protect:

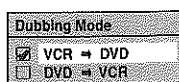
- When you insert a disc protected with this unit, "Disc Protect ON \Rightarrow OFF" will appear instead of "OFF \Rightarrow ON" in step 3.



- To release the protection for the disc, select "Disc Protect ON \Rightarrow OFF" in step 3, then follow rest of the procedures.

VCR to DVD

- 4 Use \blacktriangle / \blacktriangledown to select "VCR \Rightarrow DVD", then press [OK].

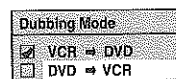


Press [SETUP] to exit.

- 5 Press [DVD], then press [REC MODE] repeatedly to select a desired recording mode.
- 6 Press [VCR], then press \blacktriangleright to find the point where you would like to start dubbing.
- 7 Press \parallel when you come to a desired start point.
- 8 Press [DUBBING].
- VCR to DVD duplication will start.
- 9 Press \blacksquare to stop the dubbing.

DVD to VCR

- 4 Use \blacktriangle / \blacktriangledown to select "DVD \Rightarrow VCR", then press [OK].



Press [SETUP] to exit.

- 5 Press [VCR], then press [REC MODE] repeatedly to select a desired recording mode.
- Rewind or fast forward the tape to the point where you would like to start recording.
- 6 Press [DVD], then press \blacktriangleright to find the point where you would like to start dubbing.
- 7 Press \parallel when you come to a desired start point.
- 8 Press [DUBBING].
- DVD to VCR duplication will start.
- 9 Press \blacksquare to stop the dubbing.

 Notes for DVD to VCR duplication

- This function is available for audio CDs, but not CDs with JPEG files.
- The recording mode for VCR cannot be displayed in step 5 when using an HDMI / Component / S-Video connection. To display the VCR recording mode on the screen, the unit must be connected through the VIDEO OUT jack and the TV's input select should be set to the appropriate external input channel.

 Notes for VCR to DVD duplication

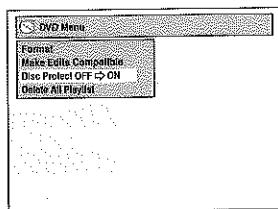
- After starting VCR to DVD duplication, the picture may be distorted because of the auto tracking function. This is not a malfunction. Play the tape until the picture is stabilized, then set the starting point where you would like to start recording, and start VCR to DVD duplication.
- This unit will automatically stop the duplication if playback with no image is detected for more than 3 minutes during VCR to DVD duplication.
- Playback sound mode of the dubbed contents is determined by the playback sound mode of the VCR at the point of dubbing.

Protecting a Disc

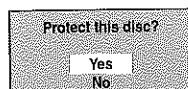


To prevent the accidental recording, editing, or erasing of the titles, you can set disc protection in the "DVD Menu".

- 1 Press [SETUP].
- 2 Use \blacktriangle / \blacktriangledown to select "DVD Menu", then press [OK].
- 3 Use \blacktriangle / \blacktriangledown to select "Disc Protect OFF \Rightarrow ON", then press [OK].



- 4 Use \blacktriangle / \blacktriangledown to select "Yes", then press [OK].

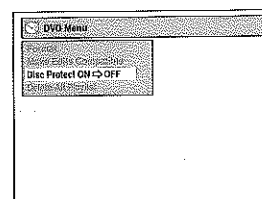


- The disc will be protected.
- This operation may take a while to complete.

 Note(s)

To cancel the disc protect:

- When you insert a disc protected with this unit, "Disc Protect ON \Rightarrow OFF" will appear instead of "OFF \Rightarrow ON" in step 3.



- To release the protection for the disc, select "Disc Protect ON \Rightarrow OFF" in step 3, then follow rest of the procedures.