

DVD Recorder

Quick Setup Guide

● Step 1 Getting Connected

● Step 2 Setup

● Step 3 Basic Operation

Step 1 Getting Connected

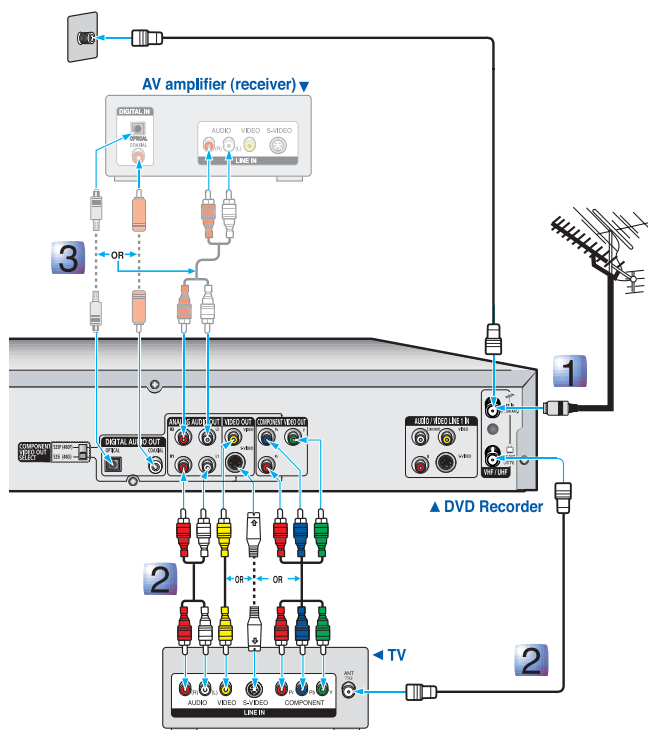
This Recorder will only record on DVD-R, DVD-RW and DVD-RAM discs.

Select one of the following three types of connections:

- Ⓐ Antenna + DVD Recorder + TV : No Cable Box
- Ⓑ Antenna + Set-Top Box or VCR + DVD Recorder + TV : No Cable Box
- Ⓒ Antenna + Cable Box + DVD Recorder + TV

The VHF/UHF RF OUT jack of this product sends only signals received through the antenna. It does not output audio/video signals. You must use one of the following connections on this unit.

Ⓐ Antenna + DVD Recorder + TV : No Cable Box



1 Connect the signal source to the DVD Recorder

Use a TV antenna or coaxial cable to connect the signal source coming from the antenna or wall to the VHF/UHF RF-IN jack on the DVD Recorder.

2 Connect the DVD Recorder to the TV

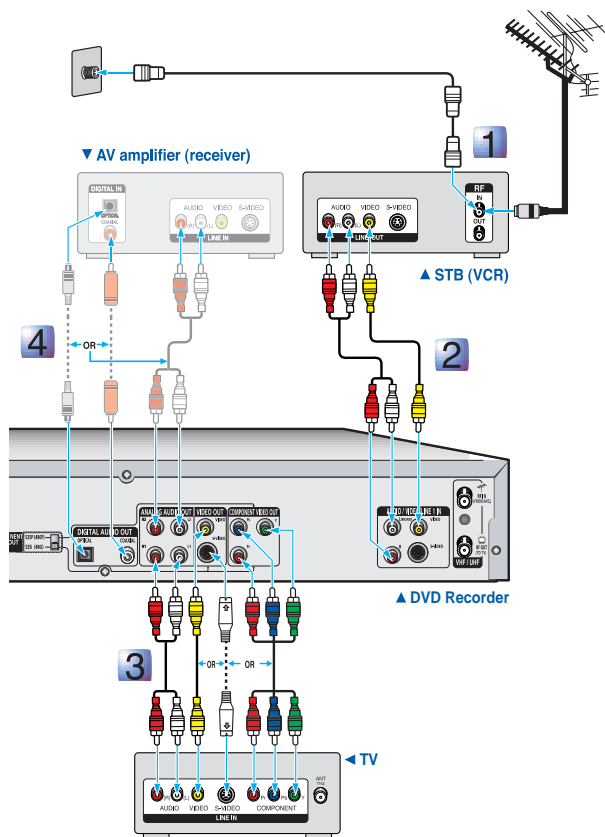
Use the supplied RF cable to connect RF-OUT on the DVD Recorder to the ANT jack on the TV. Then use the Video/Audio Cable to connect ANALOG AUDIO OUT(R/L)/VIDEO OUT jacks on the DVD Recorder to the Audio & Video jacks on the TV.

- For better picture quality, if your TV has an S-Video jack, you can use S-Video cable instead of the yellow video connector on the Video/Audio cable.
- For the best picture quality, if your TV has Component video jacks, you can use component cables instead of the yellow video connector on the Video/Audio cable. Set the Component video out select switch on the back of your DVD recorder to 480p/480i video output mode. If your TV supports progressive scan, select 480p.

3 If you have an AV amplifier

Connect either audio cables from the ANALOG AUDIO OUT jacks on the DVD Recorder to the LINE IN jacks on your AV amplifier, or a digital cable from the DIGITAL AUDIO OUT (COAXIAL or OPTICAL) jack on the DVD Recorder to the DIGITAL AUDIO IN jack on your AV amplifier.

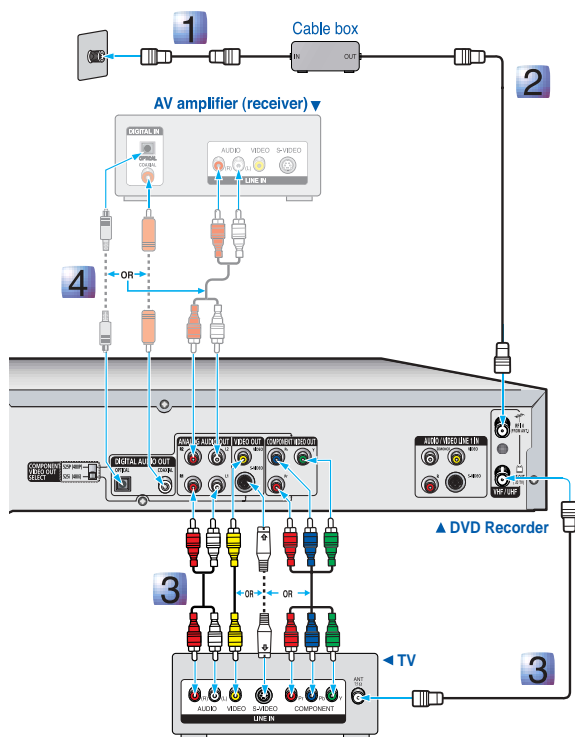
B Antenna + Set-Top Box or VCR + DVD Recorder + TV : No Cable Box



- 1 Connect the signal source to the STB or VCR
Use a TV antenna or coaxial cable to connect the signal source coming from the antenna or wall to the VHF/UHF RF IN jack on the STB or VCR.
- 2 Connect the STB or VCR to the DVD Recorder
Use the Video/Audio Cable to connect the LINE OUT jacks on the STB or VCR to the AUDIO/VIDEO LINE 1 IN jacks on the DVD Recorder.
 - For better picture quality, if your STB or VCR has an S-Video jack, you can use S-Video cable instead of the yellow video jack on the Video/Audio cable.
- 3 Connect the DVD Recorder to the TV
Use the Video/Audio Cable to connect the ANALOG AUDIO OUT(R/L)/VIDEO OUT jacks on the DVD Recorder to the Audio & Video jacks on the TV.
 - For better picture quality, if your TV has an S-Video jack, you can use S-Video cable instead of the yellow video connector on the Video/ Audio cable.
 - For the best picture quality, if your TV has Component video jacks, you can use Component cables instead of the yellow video connector on the Video/Audio cable. Set the Component video out select switch on the back of your DVD recorder to 480p/480i video output mode. If your TV supports progressive scan, select 480p.

- 4 If you have an AV amplifier
Connect either audio cables from the ANALOG AUDIO OUT jacks on the DVD Recorder to the LINE IN jacks on your AV amplifier, or a digital cable from the DIGITAL AUDIO OUT (COAXIAL or OPTICAL) jack on the DVD Recorder to the DIGITAL AUDIO IN jack on your AV amplifier.

C Antenna + Cable Box + DVD Recorder + TV



- 1 Connect the signal source to the Cable Box
Use a coaxial cable to connect the signal source coming from the wall to the RF IN jack on your Cable Box.
- 2 Connect your Cable Box to the DVD Recorder
Use a coaxial cable to connect the RF OUT jack on your Cable Box to the RF-IN jack on your DVD Recorder.
- 3 Connect the DVD Recorder to the TV
Use the supplied RF cable to connect RF-OUT on the DVD Recorder to the ANT jack on the TV. Then use the Video/ Audio Cable to connect the ANALOG AUDIO OUT(R/L)/VIDEO OUT jacks on the DVD Recorder to the Audio & Video jacks on the TV.
 - For better picture quality, if your TV has an S-Video jack, you can use S-Video cable instead of the yellow video connector on the Video/Audio cable.
 - For the best picture quality, if your TV has Component video jacks, you can use component cables instead of the yellow video connector on the Video/Audio cable. Set the Component video out select switch on the back of your DVD recorder to 480p/480i video output mode. If your TV supports progressive scan, select 480p.
- 4 If you have an AV amplifier
Connect either audio cables from the ANALOG AUDIO OUT jacks on the DVD Recorder to the LINE IN jacks on your AV amplifier, or a digital cable from the DIGITAL AUDIO OUT (COAXIAL or OPTICAL) jack on the DVD Recorder to the DIGITAL AUDIO IN jack on your AV amplifier.

Step 2 Setup

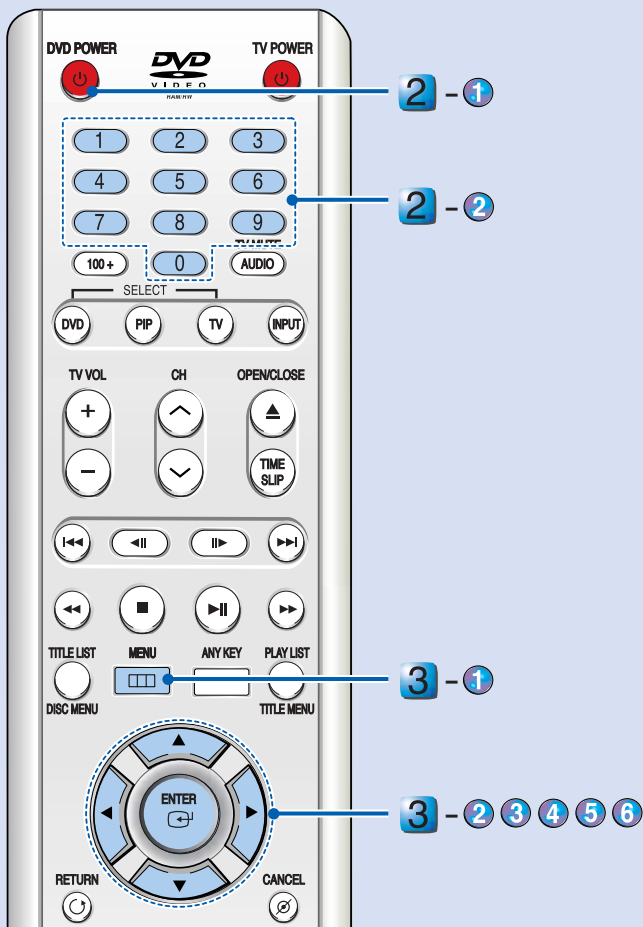
Wait! Make sure you complete Step 1 before proceeding with Step 2.

After all connections are complete, plug the power cord in the wall outlet. The word "AUTO" will flicker in the front panel display. It means that the current time is being set automatically (Auto Program) through the antenna under connection and also the channel is being set. The setup may take a few minutes. When it normally operates, the current time is automatically set and displayed in the front panel display.

If "----" appears, however, it means that auto time setting has failed. In that case, set the current time through the manual initial setup.

For ease of use, we recommend that you complete the following settings before using the DVD Recorder.

- 1 Turn on your TV and any other connected equipment
- 2 OSD(On-Screen Display) Language Setup
- 3 Clock Set
- 4 Channel Set
- 5 Audio Setup
- 6 Video Setup



1 Turn on your TV and any other connected equipment

2 OSD Language Setup

1 Press the DVD POWER button.

The initial set up OSD language menu will appear.

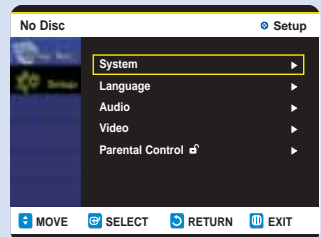
2 Select the desired language using the number buttons.



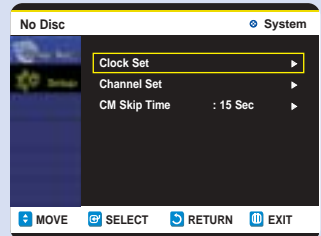
3 Clock Set

1 With the unit in Stop mode, press the MENU button.

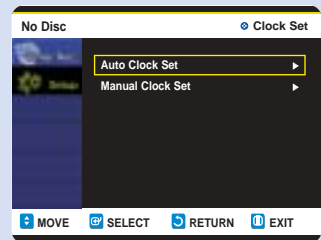
2 Select Setup using the ▲/▼ buttons, then press the ► or ENTER button.



3 Select System using the ▲/▼ buttons, then press the ► or ENTER button.

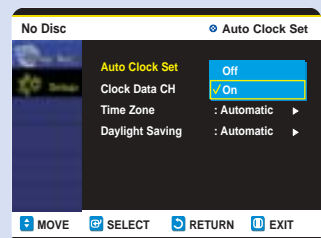


4 Select Clock Set using the ▲/▼ buttons, then press the ► or ENTER button.



5 Select Auto Clock Set using the ▲/▼ buttons, then press the ► or ENTER button.

6 Select On using the ▲/▼ buttons, then press the ► or ENTER button.



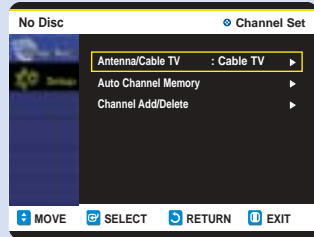
The DVD Recorder automatically sets the clock by searching for a channel that carries a time signal and sets your time zone and daylight saving(if applicable).

! If your clock is set to the wrong time zone or daylight saving, you can adjust these settings without turning off the Auto Clock Set function (see page 24). If your clock cannot be set automatically, set the clock manually (Refer to "Manual Clock Set" on page 25 of the Instruction Manual for more information).

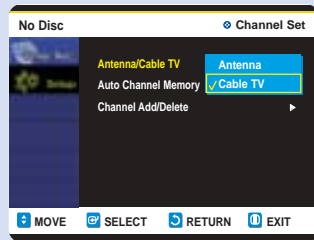
4 Channel Set

- 1 With the unit in Stop mode, press the MENU button.
- 2 Select Setup using the ▲/▼ buttons, then press the ► or ENTER button.
- 3 Select System using the ▲/▼ buttons, then press the ► or ENTER button.

- 4 Select Channel Set using the ▲/▼ buttons, then press the ► or ENTER button.



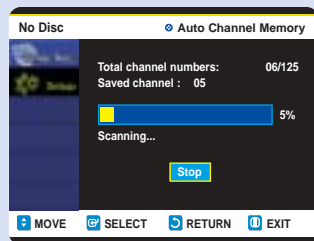
- 5 Select Signal Source (Antenna/Cable TV) using the ▲/▼ buttons, then press the ► or ENTER button.



- 6 Select Antenna or Cable TV using the ▲/▼ buttons, then press the ► or ENTER button.

- 7 Select Auto Channel Memory using the ▲/▼ buttons, then press the ► or ENTER button.

Auto Channel Memory will be displayed and channels will be saved into memory

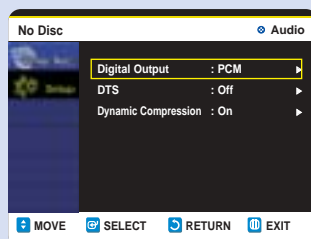


5 Audio Setup

Allows you to set up the audio device and sound settings depending on the your audio system. (Refer to "Setting Up the Audio Options" on page 28 of the Instruction Manual for more information)

- 1 With the unit in Stop mode, press the MENU button.
- 2 Select Setup using the ▲/▼ buttons, then press the ► or ENTER button.
- 3 Select Audio using the ▲/▼ buttons, then press the ► or ENTER button.

- 4 Select the sub menu (Digital Output or DTS) using the ▲/▼ buttons, then press the ► or ENTER button. Allows you to set up the audio device and the sound.

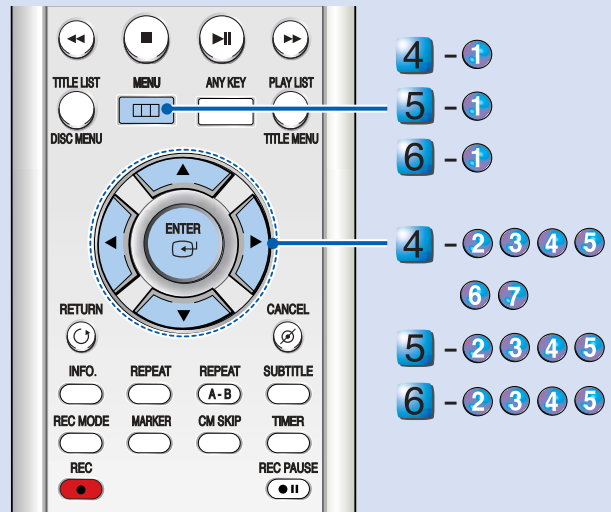
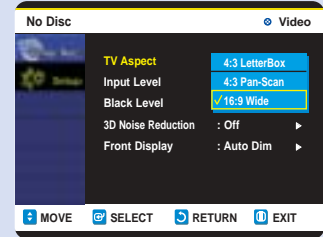


- 5 Use the ▲/▼ buttons to select the desired item(PCM, Bitstream, DTS-Off or DTS-On). Then press the ► or ENTER button.

6 Video Setup

This allows you to set up the TV screen settings. (Refer to "Setting Up the TV Aspect" on page 29 of the Instruction Manual for more information)

- 1 With the unit in Stop mode, press the MENU button.
- 2 Select Setup using the ▲/▼ buttons, then press the ► or ENTER button.
- 3 Select Video using the ▲/▼ buttons, then press the ► or ENTER button.
- 4 Select the TV Aspect using the ▲/▼ buttons, then press the ► or ENTER button.
- 5 Use the ▲/▼ buttons to select the desired item (4:3 LetterBox, 4:3 Pan-Scan or 16:9 Wide). Then press the ► or ENTER button.



- We recommend using one of the discs in the table as they have been confirmed to be compatible with this unit. Other discs may not perform correctly.

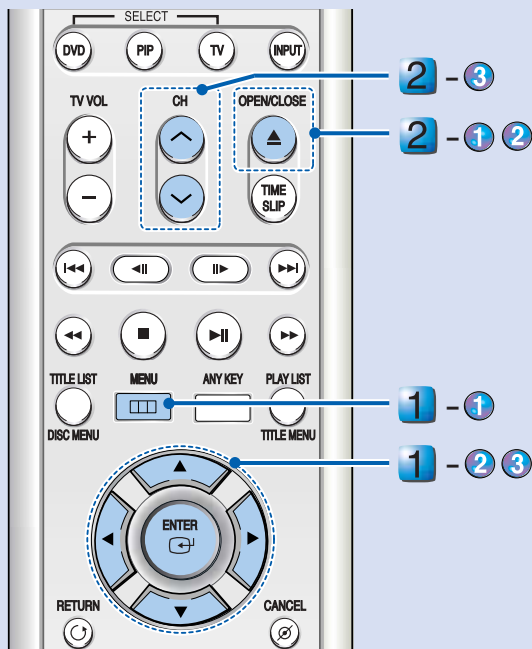
MEDIA	BRAND	SPEED
DVD-R	TDK	4x
	That's	4x
	Maxell	4x
	Panasonic	4x
	Ritek	4x
DVD-RW	Verbatim	2x
	JVC	2x
	Radius	2x
	TDK	2x
DVD-RAM	MCC Green Non-Ctrg. 4.7G	2x
	MEI White for Video Non-Ctrg. 4.7G	2x
	Fuji Gold Non-Ctrg. 4.7G	2x
	Maxell Ctrg. 4.7G	2x
	TDK White Non-Ctrg. 4.7G	2x

Step 3 Basic Operation

Wait! Make sure you complete Step 2 before proceeding with Step 3.

The following instructions will give you a quick overview about how to use the DVD Recorder.

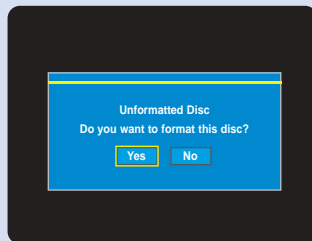
- 1 Formatting a Disc
- 2 Recording the current TV program you are watching
- 3 Making a Timer Recording
- 4 Finalizing a Disc



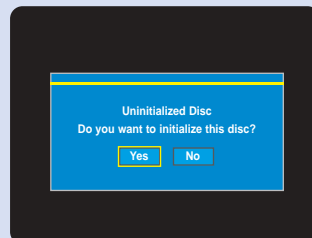
1 Formatting a Disc

When you insert a blank disc, you will be asked whether or not you want to format or initialize it. Since available functions differ depending on the disc type, select a disc that best fits your preferences.

DVD-RAM : Must be formatted.

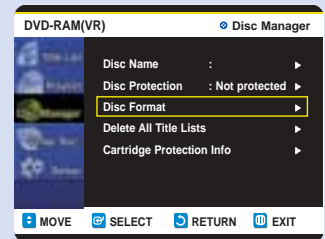


DVD-RW : When Yes is selected, the mode will be formatted in Video mode. If you want to format in VR mode, refer to "Formatting a Disc" on page 81 of the User's manual for more information.



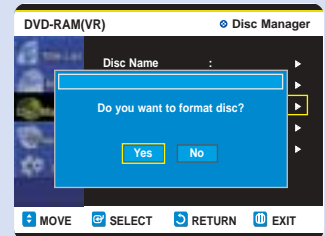
DVD-R : Formatting is unnecessary and only Video Mode Recording is supported.

- 1 Press the MENU button with the disc stopped.
- 2 Press the ▲/▼ buttons to select Disc Manager, and then press the ENTER or ► button.
- 3 Press the ▲/▼ buttons to select Disc Format, and then press the ENTER or ► button.



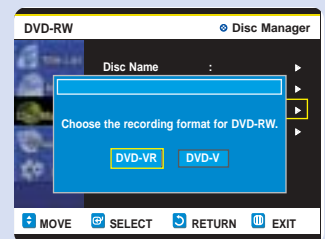
DVD-RAM(VR)

- You will be prompted with the confirmation message 'Do you want to format disc?'. Press the ◀▶ buttons to select Yes, then press the ENTER button. The DVD-RAM disc is formatted.



DVD-RW

- You will be prompted with the confirmation message 'Choose the recording format for DVD-RW'. Press the ◀▶ buttons to select the desired format type, then press ENTER. The DVD-RW Disc is formatted.



2 Recording the current TV program you are watching

- 1 Press the OPEN/CLOSE button, and place a recordable disc on the disc tray.
 - You can not change the recording mode or the channel while recording.
- 2 Press the OPEN/CLOSE button to close the disc tray.
 - Wait until "LOADING" disappears from the front panel display.
 - If a blank DVD-RAM or DVD-RW disc is used, you will be asked whether or not you want to format or initialize it.
 - DVD-RAM/DVD-RW discs should be formatted in advance before starting to record.
 - Most new discs are sold unformatted. Make sure that your unformatted discs are formatted before recording.
 - Recording will stop automatically if copy protected content is selected.
- 3 Press the CH (▲/▼) or number (0-9) buttons to select the current program you want to record.

- 4 Press the REC MODE button repeatedly, (or press the REC MODE button and then press the ▲/▼ buttons) to select the recording speed (quality).

→SP→LP→EP→XP



Mode	Recording Times
XP (high quality mode)	Approx. 1 hour
SP (standard quality mode)	Approx. 2 hours
LP (long recording mode)	Approx. 4 hours
EP (extended mode)	Approx. 6 hours

- 5 Press the REC button. Information concerning the channel being recorded is displayed on the screen and then recording begins.

To stop recording

Press the STOP (■) button to stop or finish a recording in progress.

To pause recording

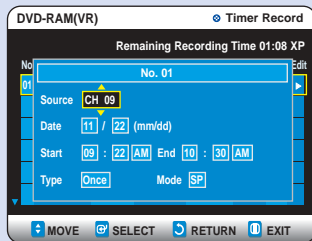
Press the REC PAUSE button to pause a recording in progress.

- Press the REC PAUSE button again to resume recording.
- You can switch channels by pressing the CH (▲/▼) buttons while recording is paused.

3 Making a Timer Recording

- 1 Press the OPEN/CLOSE button, and place a recordable disc on the disc tray.
- 2 Press the OPEN/CLOSE button to close the disc tray.
- 3 Press the MENU button in Stop mode.
- 4 Press the ▲/▼ buttons to select Timer Rec., and then press the ENTER or ► button.

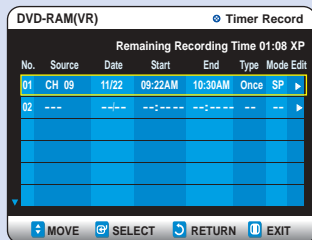
- 5 Press the ▲/▼ buttons to select Timer Record, and then press the ENTER button.



You can also set a timer recording via the TIMER button. The Timer Record Input items (Date/Time etc.) are displayed.

- 6 Fill in the items using the ▲/▼/◀▶ buttons.

- 7 Press the ENTER button.



- ! The (⊙) icon and Timer Set will appear on the front panel display, indicating a timer recording is set.

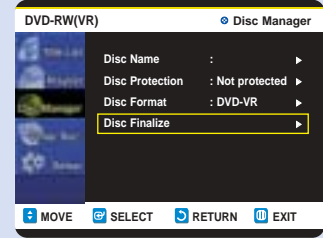
Recording automatically begins when the set time is reached.

- If FR mode is selected, the video quality is adjusted automatically so that scheduled recordings fit onto the free disc space.

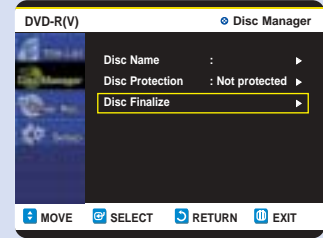
4 Finalizing a Disc

After you record programs onto a DVD-RW/DVD-R disc with your DVD recorder, it needs to be finalized before it can be played back on external devices.

- 1 Press the MENU button with the disc stopped.
- 2 Press the ▲/▼ buttons to select Disc Manager, and then press the ENTER or ► button.
- 3 Press the ▲/▼ button to select Disc Finalize, and then press the ENTER or ► button.



You will be prompted with the message 'Do you want to finalize disc?'. If you select Yes, you will be prompted again with the message 'Disc will be finalized. Do you want to continue?'.



- 4 Press the ◀▶ buttons to select Yes, and then press the ENTER button.

The disc is finalized.

- ! Once a disc is finalized, you cannot delete entries from the record list.

- After being finalized, the DVD-R/DVD-RW(Video mode) operates in the same manner as a regular DVD-Video disc.

- Depending on the disc type, the screen display may appear different.

