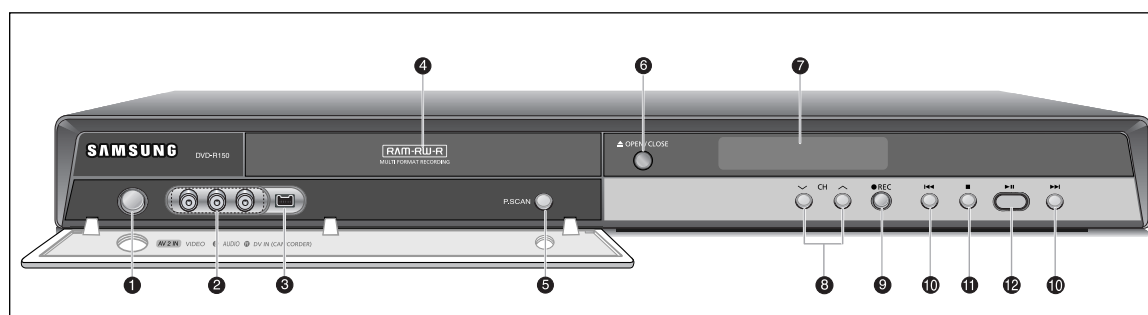


12. Operating Instructions

Description

Front panel



1. POWER Button

Turns the recorder on and off.

2. AV 2 IN

Connect external equipment.

3. DV-IN

Connects external digital equipment with a DV jack. (such as a camcorder)

4. DISC TRAY

Opens to accept a disc.

5. P.SCAN Button

Selects the progressive scan mode.

6. OPEN/CLOSE Button

Opens and closes the disc tray.

7. DISPLAY

Displays the playing status, time, etc.

8. CH (∨∧)

Select TV channels.

9. REC

Starts recording.

10. SKIP

Go to the next title/chapter/track, or go back to the previous title/chapter/track.

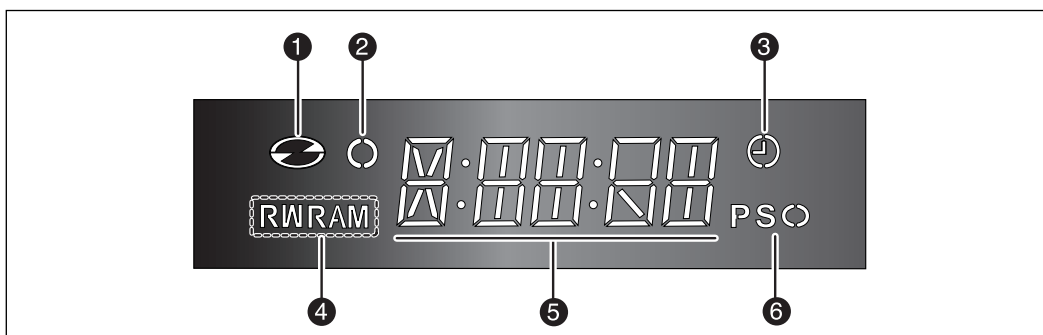
11. STOP

Stops disc playback.

12. PLAY/PAUSE

Plays a disc or pauses playback.

Front Panel Display



1. Lights when a disc is loaded.

2. Lights in the record mode.

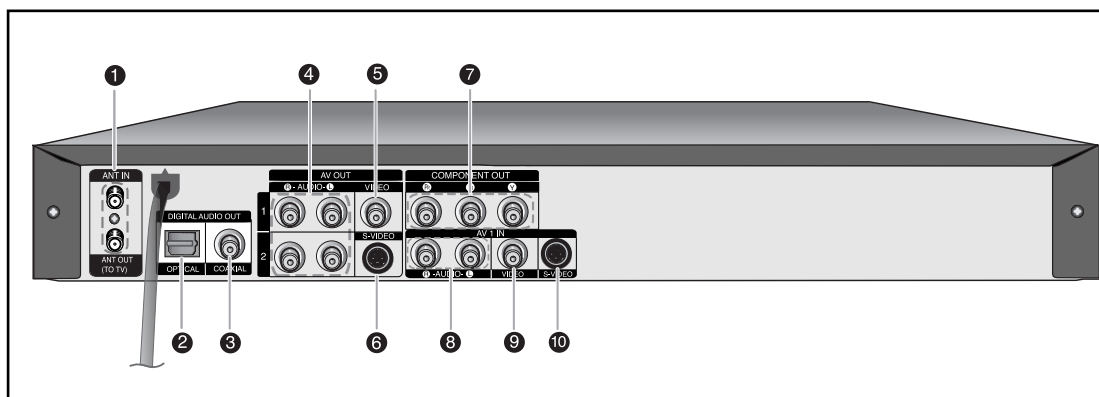
3. Lights to indicate the timer record mode.

4. Lights when a DVD-RAM/DVD±RW/DVD±R disc is loaded.

5. Alpha/Numeric display.

6. Lights in the progressive scan mode.

Rear Panel



1. ANT IN/ANT OUT (TO TV)

Connect antenna cables.

2. DIGITAL AUDIO OUT(OPTICAL)

Connects to an amplifier having a digital optical audio input jack.

3. DIGITAL AUDIO OUT(COAXIAL)

Connects to an amplifier having a digital coaxial audio input jack.

4. AV AUDIO OUT

Connects to the audio input of external equipment using audio cables.

5. AV VIDEO OUT(good video quality)

Connects the input of external equipment using a Video cable.

6. AV S-VIDEO OUT(better video quality)

Connects the input of external equipment using an S-Video cable.

7. COMPONENT VIDEO OUT(excellent video quality)

Connect to equipment having Component video input jacks.

8. AV 1 AUDIO IN

Connects the output of external equipment using audio cables

9. AV 1 VIDEO IN

Connects the output of external equipment using a video cable.

10. AV 1 S-VIDEO IN

Connects the output of external equipment using an S-Video cable.



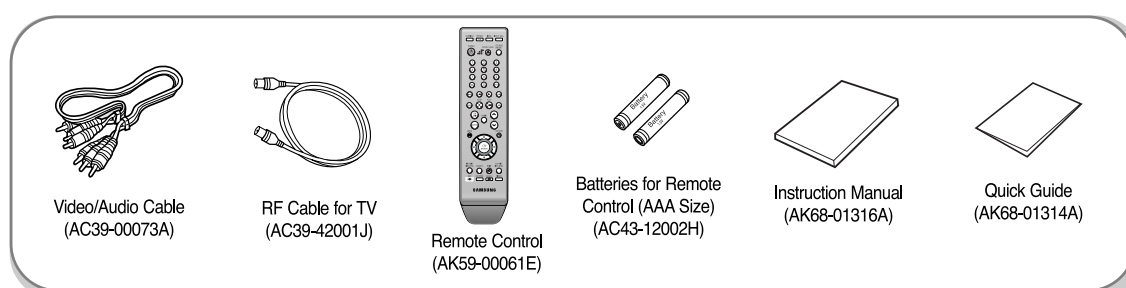
NOTE

The Antenna connection does not pass audio/video signals. To watch a DVD on your TV, you must connect audio/video cables.

Unpacking

Accessories

Check for the supplied accessories below.



Preparing the Remote Control

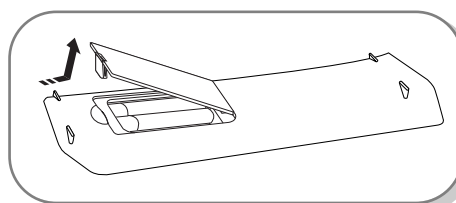
Install Batteries in the Remote Control

- Open the battery cover on the back of the remote.
- Insert two AAA batteries.
Make sure that the polarities (+ and -) are aligned correctly.
- Replace the battery cover.

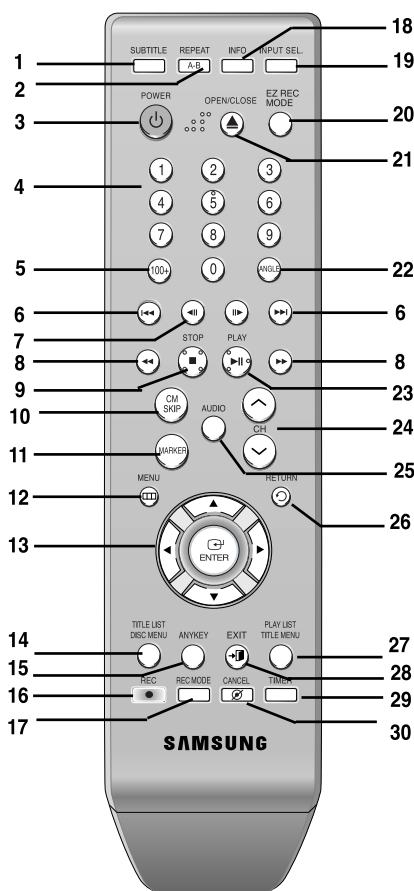
If the remote control does not operate properly:

- Check the polarity + - of the batteries .
- Check if the batteries are drained.
- Check if remote sensor is blocked by obstacles.
- Check if there is any fluorescent lighting nearby.

Dispose of batteries according to local environmental regulations.
Do not put them in the household trash.



Tour of the Remote Control



1. SUBTITLE Button

Press this to switch the DVD's subtitle language.

2. REPEAT(A-B) Button

Allows you to repeat playback of the A-B section.

3. POWER Button

Press to power the DVD Recorder on and off.

4. NUMBER Buttons

5. 100+ Button

Press this to select channel 100 or higher.

6. REVERSE/FORWARD SKIP Buttons

Press to skip a disc backwards or forwards.

7. REVERSE/FORWARD STEP Buttons

Press to play frame by frame.

8. REVERSE/FORWARD SEARCH Buttons

Press to search a disc backwards or forwards.

9. STOP Button

Press to stop a disc or to stop the recording.

10. CM SKIP Buttons

Press this to skip a portion of the program automatically during playback of a DVD disc.

11. MARKER Button

Use this to Bookmark or mark a position while playing a disc.

12. MENU Button

Brings up the DVD recorder's setup menu.

13. ENTER/DIRECTION Buttons

(UP/DOWN and LEFT/RIGHT Buttons)

This button functions as a toggle switch.

14. TITLE LIST/DISC MENU Button

Use this to enter the View Recording list/Disc menu.

15. ANYKEY Button

Use this to view the status of the disc that is being played.

16. REC Button

Use to make a recording on writable/rewritable discs.

17. REC MODE Button

Use this to set the desired Recording time and picture quality. (XP/SP/LP/EP)

18. INFO button

This will display current setting or disc status.

19. INPUT SEL. Button

Selects line input signal in external input mode. (Tuner, AV1, AV2 or DV)

20. EZ REC MODE Button

Use this to set the EZ REC MODE.

21. OPEN/CLOSE Button

To open and close the disc tray.

22. ANGLE Button

Press this to switch angles of a particular scene.

23. PLAY/PAUSE Button

Press to play/pause a disc.

24. CH Buttons

Use this to select a TV channel.

25. AUDIO Button

Use this to access various audio functions on a disc. (DVD mode)

26. RETURN Button

Returns to the previous menu.

27. PLAY LIST/TITLE MENU Button

Use this to return to the Title menu, or to view the recorded Playlist.

28. EXIT Button

Exit the current menu.

29. TIMER Button

Press to directly enter the Timer Recording Mode menu.

30. CANCEL Button

This is a special remote control for the visually impaired, and has Braille points on the POWER (), STOP () and PLAY () buttons.

Connecting & Setting Up

This section involves various methods of connecting the DVD Recorder to other external components and setting required initial modes.

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Step 2 : Connecting the Video Cable.....	17
Step 3 : Connecting the Audio Cable.....	20
Step 4 : Connecting External Devices.....	23

Quick Overview

A Quick Overview presented in this guide will give you enough information to start using the recorder.

Step 1 : Connecting the Antenna Cable



Step 2 : Connecting the Video Cable



Step 3 : Connecting the Audio Cable



Step 4 : Connecting External Devices

- Note to CATV system installer: : This reminder is provided to call CATV system installer's attention to Article 820-40 of the National Electrical Code (Section 54 of Canadian Electrical Code, Part I), that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

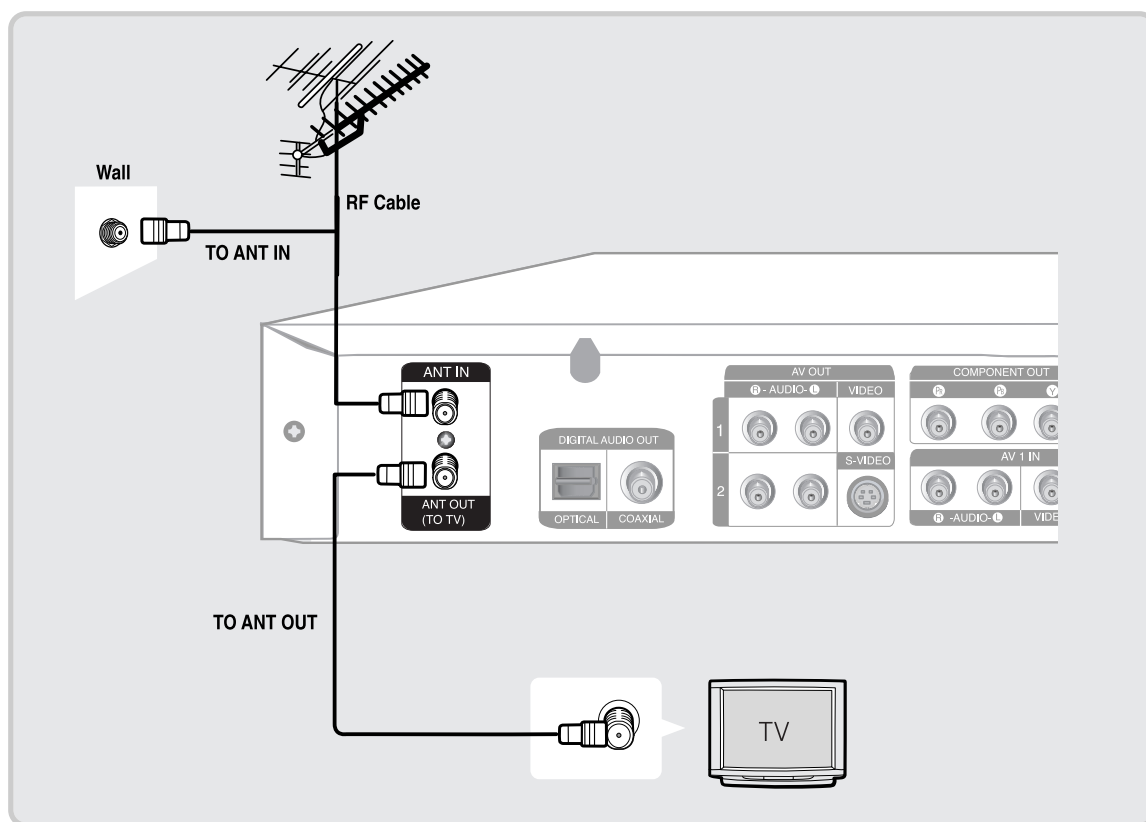
Step 1: Connecting the Antenna Cable



There are several ways to connect your DVD Recorder. Select the antenna connection that best suits you below.

Antenna + DVD Recorder + TV : No Cable box

You can record non-scrambled channels by selecting the channel on the DVD Recorder. Also use this method if you watch channels without cable box.



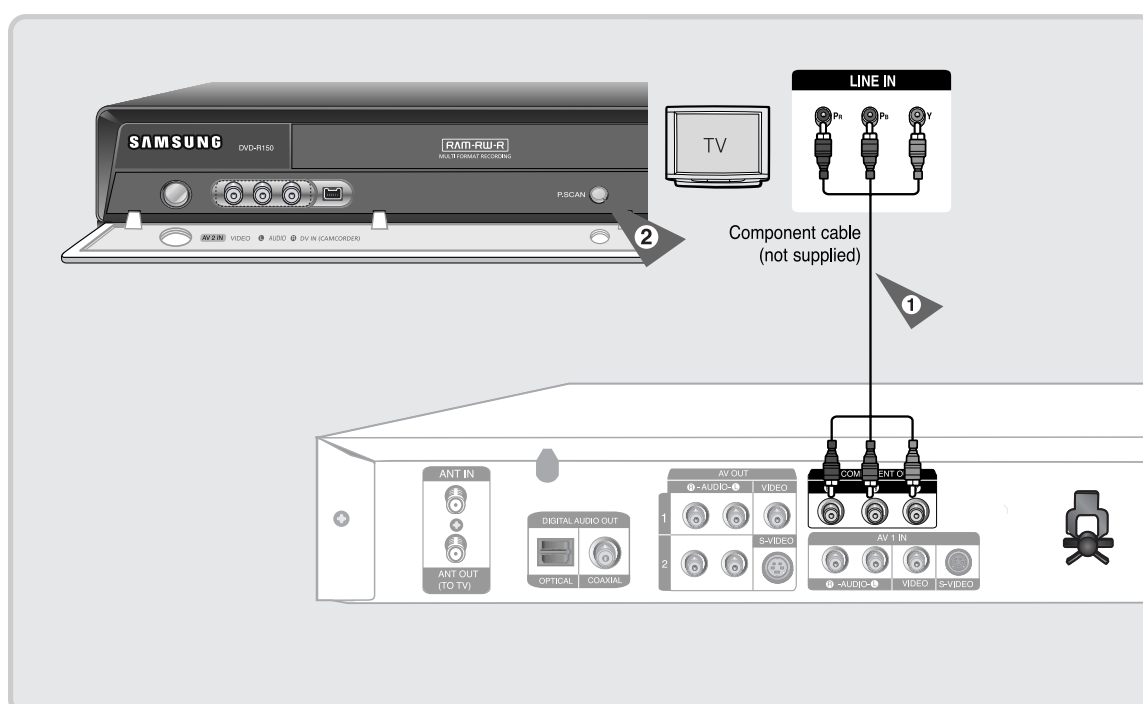
NOTE

- The VHF/UHF ANT (RF) OUT jack of this product sends only signals received through the antenna. It does not output Audio/Video signals. You must connect Audio/Video cables to view Video from the unit. (i.e. DVD playback)

Step 2 : Connecting the Video Cable

There are several ways to connect your DVD Recorder. Select one of the video connections on the following pages. You must use one of the following audio/video connections on this unit.

Connecting to Component video input jacks (Y,P_B,P_R)



1. Connect Component video cables(not supplied) between the COMPONENT OUT(Y,P_B,P_R) jacks on DVD Recorder and COMPONENT IN(Y,P_B,P_R) jacks on your TV (or AV amplifier). This connection outputs the 480i or 480p resolution to your TV
 2. If the connected TV supports Progressive Scan, press the P.SCAN button on the front of the DVD Recorder to enjoy best quality video.
Pressing the **P.SCAN** button switches Progressive (480p) / Interlace (480i) scan mode on.
- You will enjoy the best quality accurate color reproduction images. Component video separates the picture element into black and white(Y), blue(P_B), and red(P_R) signals to present clear and clean images.
 - Connect the audio cables(white and red) between the AUDIO OUT jacks on the DVD Recorder and AUDIO IN jacks on your TV(or AV amplifier).

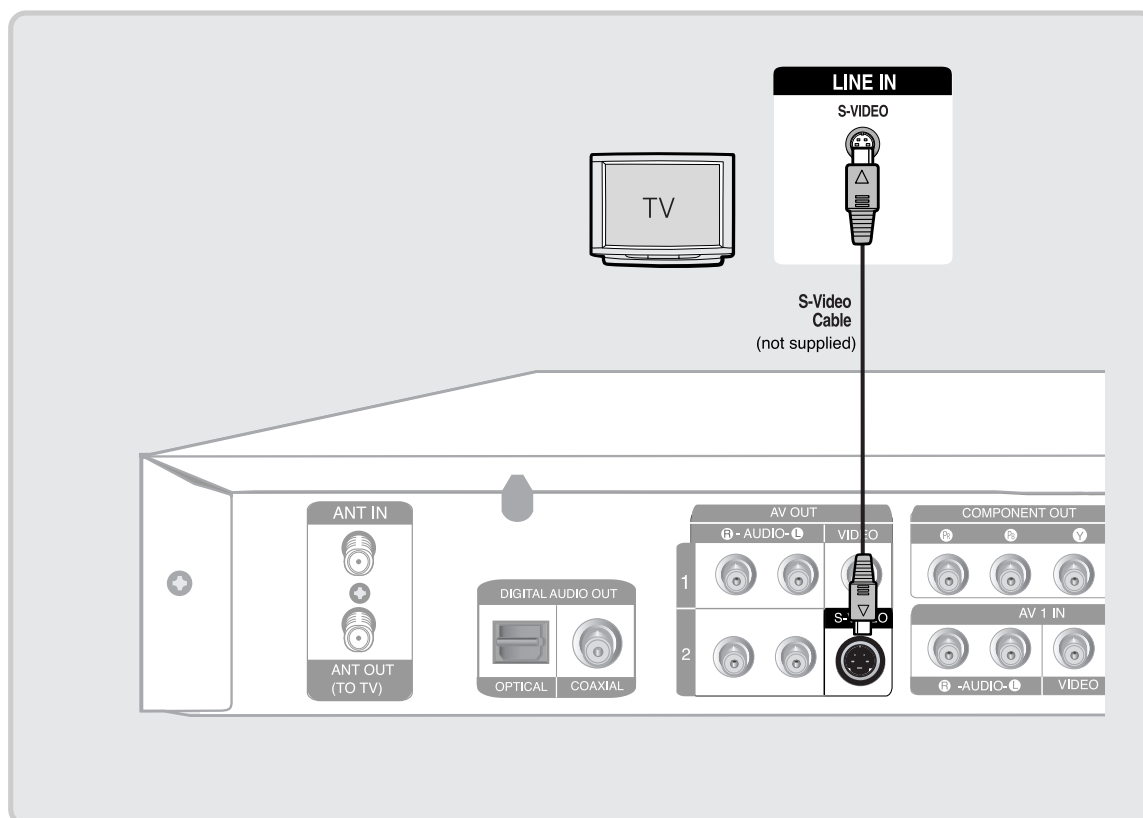


NOTE

- Compared to standard interlaced video, progressive scan doubles the amount of video lines fed to your TV, resulting in a clearer, more stable, and flicker free image than interlaced video. The component output jack of the DVD player can be used for progressive output mode, which is only available with TVs that support progressive scan.
- Progressive Scan Output (480p).
Not all high definition television sets are fully compatible with this product. If the 480p progressive scan picture is not satisfactory, press the **P.SCAN** button on the unit to switch to the Interlace mode. If there are questions regarding TV set compatibility with this model, please contact our customer service center at 1-800-SAMSUNG.

Connecting to an S-Video input jack

Connect an S-Video cable(not supplied) between the S-VIDEO OUT jack on DVD Recorder and S-VIDEO IN jack on your TV (or AV amplifier).



- You will enjoy high quality images. S-Video separates the picture element into black and white (Y) and color (C) signals to present clearer images than regular video input mode. This connection outputs the 480i resolution to your TV.
- Connect the audio cables(white and red) between the AUDIO OUT jacks on the DVD Recorder and AUDIO IN jacks on your TV(or AV amplifier).

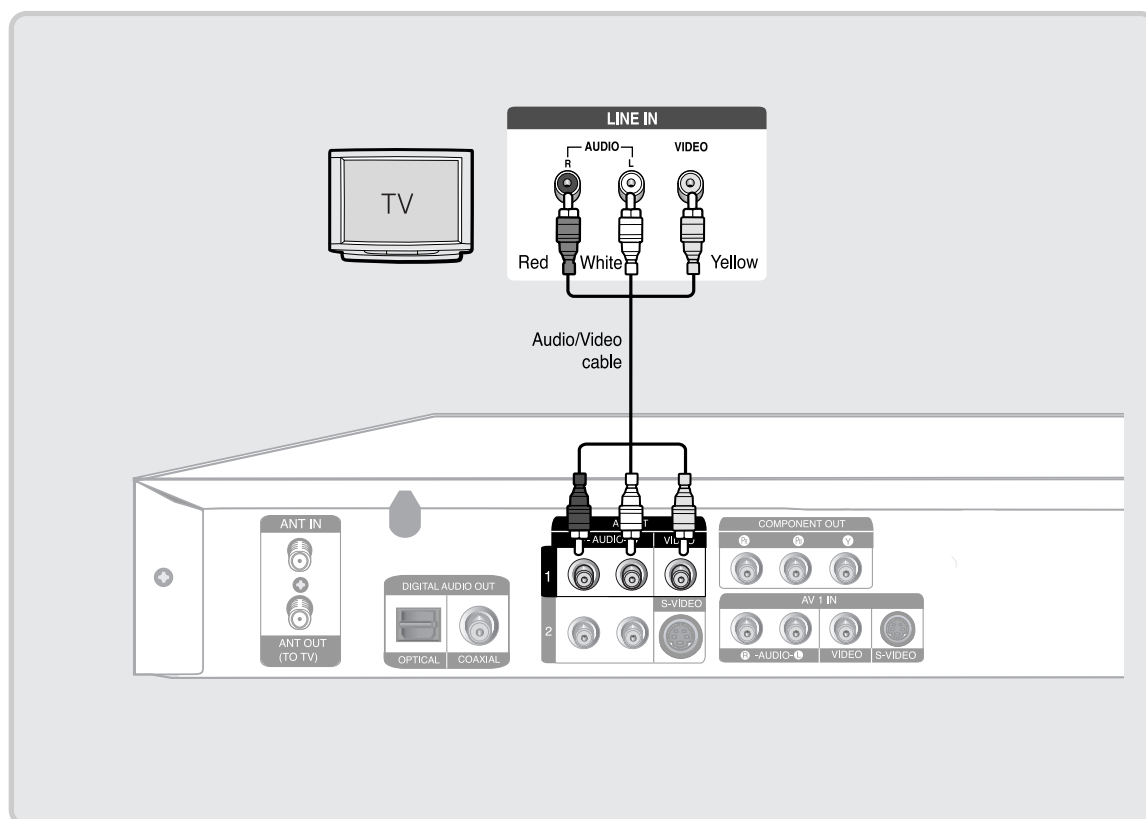


NOTE

- S-Video or Component video outputs are available only if your TV supports S-Video input or Component video input, respectively. If S-Video or Component video output does not work, check your TV connections and the TV input selection settings.

Connecting to a Video input jack

Connect a video(yellow) cable between the VIDEO(yellow) OUT jack on DVD Recorder and VIDEO(yellow) IN jack on the TV (or AV amplifier).



- You will enjoy normal quality images. This connection outputs the 480i resolution to your TV.
- Connect the audio cables (white and red) between the AUDIO OUT jacks on the DVD Recorder and AUDIO IN jacks on your TV (or AV amplifier).

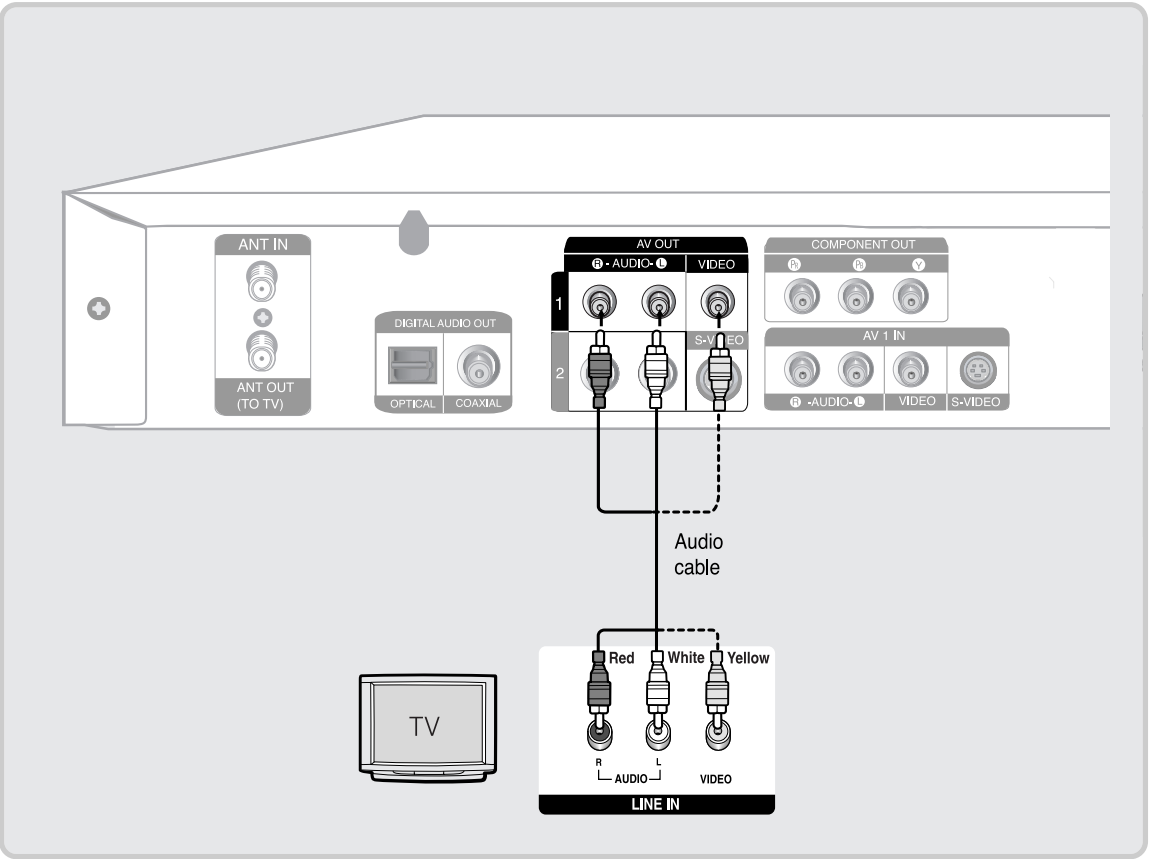
Step 3 : Connecting the Audio Cable



Select one of the Audio connections on the following pages.

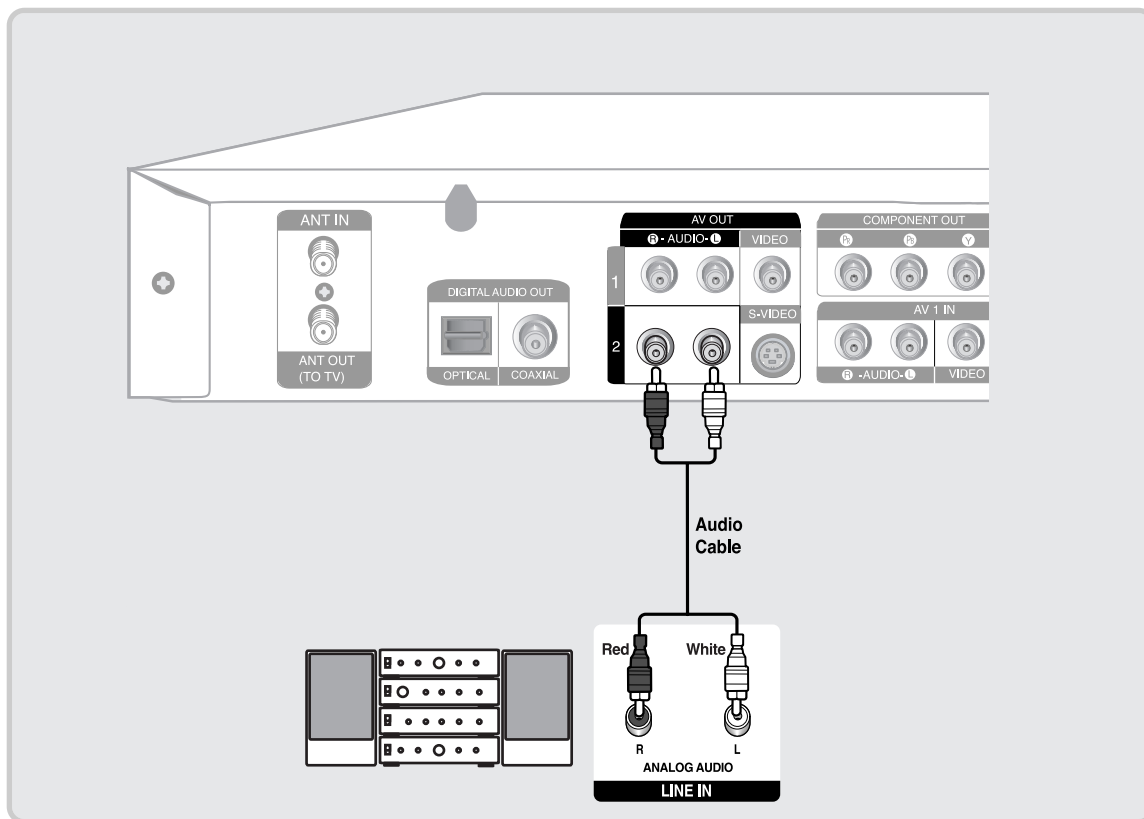
Connecting to your TV

This connection will use your TV's speakers.



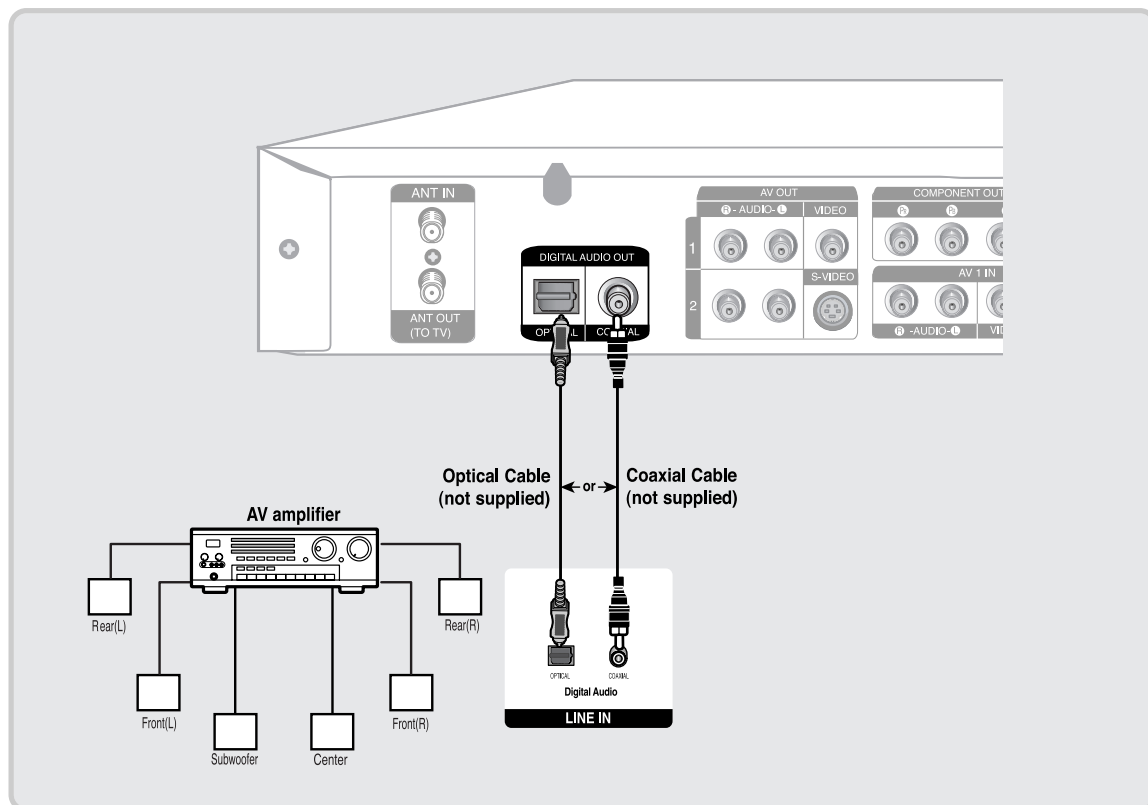
Connecting to a Stereo Amplifier with Analog Input Jacks

If your stereo amplifier only has AUDIO INPUT jacks(L and R), use the AUDIO OUT jacks.



Connecting to an AV Amplifier with a Digital Input Jack

If your AV amplifier has a Dolby Digital or DTS decoder and a digital input jack, use this connection. To enjoy Dolby Digital or DTS sound, you will need to set up the audio settings. (See page 30)



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Dolby Laboratories.

“DTS” and “DTS Digital Out” are trademarks of
DTS, Inc.

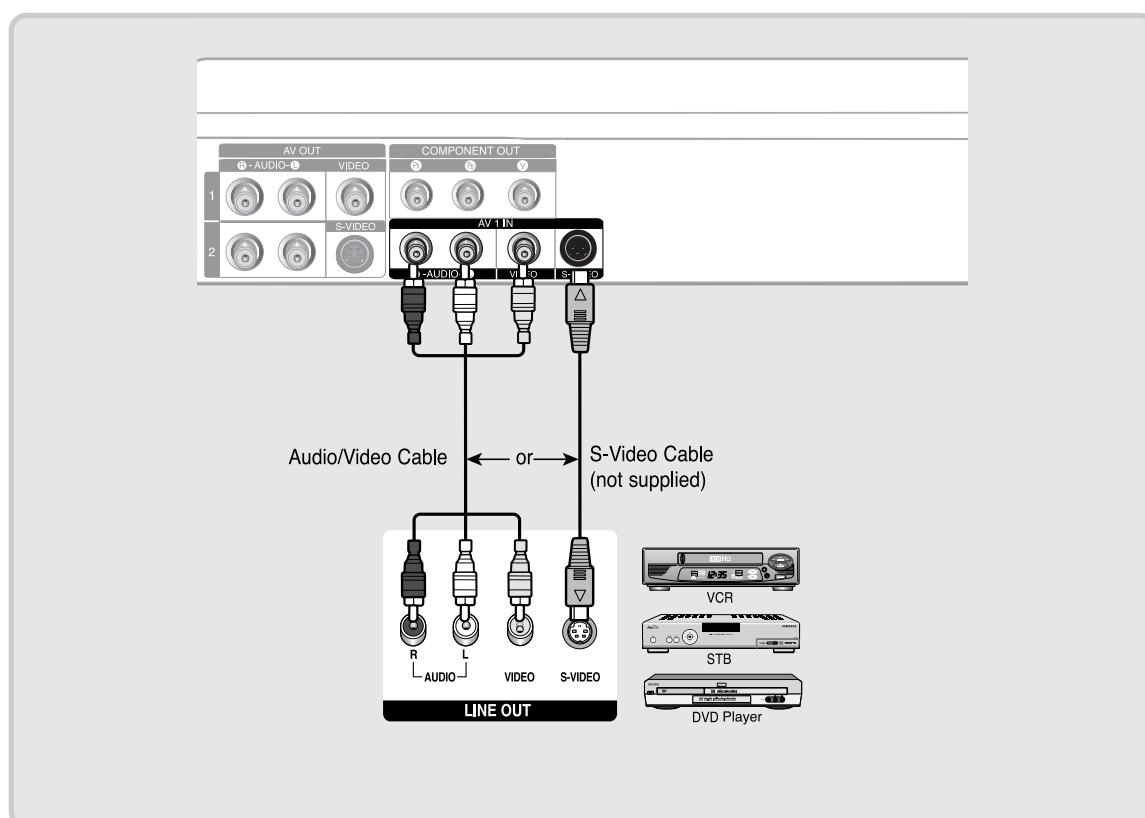
Step 4 : Connecting External Devices



This allows you to connect your DVD Recorder to other external devices and view or record their outputs.

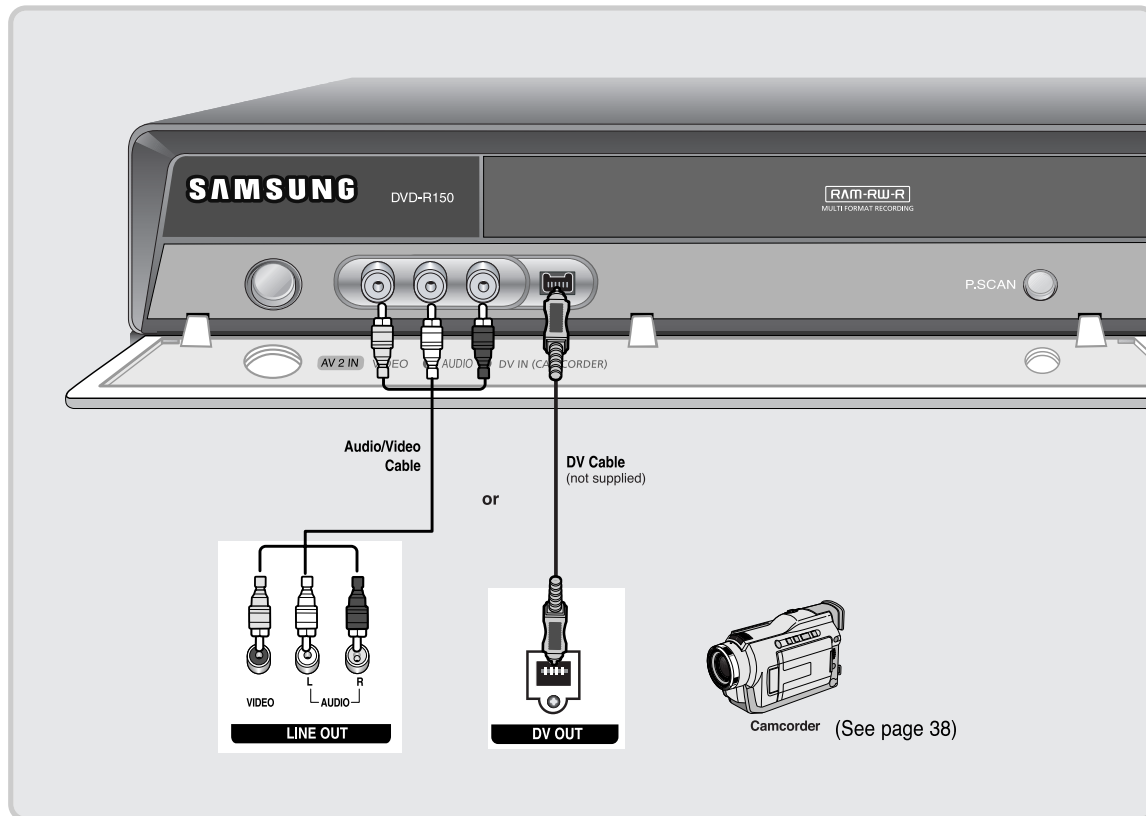
Connecting a VCR, Set Top Box(STB) or DVD Player to the AV 1 IN or S-VIDEO IN jacks

Connect the VCR or external device to the AV 1 IN jacks of the DVD Recorder.
You can record from connected equipment (VCR, STB or DVD Player).



Connecting a Camcorder

You can record from connected equipment, such as a camcorder by using the AV 2 IN or DV IN jacks on front of the DVD recorder.



NOTE

When an Input source is inserted into AV 2 while watching TV, the Input will be switched to AV 2 automatically.

If the Input is not selected automatically, press the INPUT SEL. button on the remote control to select the DV Input.

Check your camcorder's owner's manual to see how to use the camcorder in this mode.