

IMPORTADOR
Comercializadora Thomson de México, S.A. de C.V.
Álvaro Obregón No. 151. Piso 13.
Col. Roma. Delegación Cuauhtémoc
C.P. 06700. México, D.F.
Telefono: 52-55-11-020360
RFC: CTM-980723-KS5

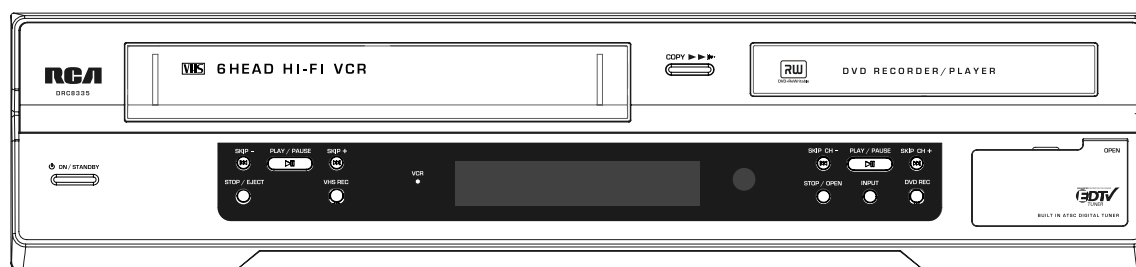
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www.rcaudiovideo.com
Printed In China / Impreso en China

5643 168A (EN/E)



user manual
manual de usuario

DRC8335



It is important to read this instruction book prior to using your new product for the first time.
Es importante leer este manual antes de usar por vez primera su equipo.

Safety information

FCC Information

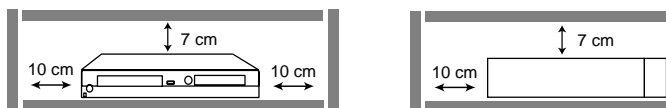
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. In accordance with FCC requirements, changes or modifications not expressly approved by Thomson Inc. could void the user's authority to operate this product. This device generates and uses radio frequency (RF) energy, and if not installed and used properly, this equipment may cause interference to radio and television reception. If this equipment does cause interference to radio or television reception (which you can determine by unplugging the unit), try to correct the interference by one or more of the following measures:

- Re-orient the receiving antenna (that is, the antenna for the radio or television that is "receiving" the interference).
- Move the unit away from the equipment that is receiving interference.
- Plug the unit into a different wall outlet so that the unit and the equipment receiving interference are on different branch circuits.

If these measures do not eliminate the interference, please consult your dealer or an experienced radio/television technician for additional suggestions. Also, the Federal Communications Commission has prepared a helpful booklet, "How To Identify and Resolve Radio TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, DC 20402. Please specify stock number 004-000-00345-4 when ordering copies. This product complies with DHHS Rules 21 CFR Subchapter J. Applicable at the date of manufacture.

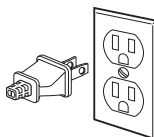
Ventilation

You must adequately ventilate the product. Make sure there is adequate space around the unit to provide proper air flow for ventilation. See diagram.



For your safety

The AC power plug is polarized (one blade is wider than the other) and only fits into AC power outlets one way. If the plug won't go into the outlet completely, turn the plug over and try to insert it the other way. If it still won't fit, contact a qualified electrician to change the outlet, or use a different one. Do not attempt to bypass this safety feature.



Main plug is used as the disconnect device, it shall remain operable and should not be obstructed during intended use. To be completely disconnected the apparatus from supply mains, the main plug of the apparatus shall be disconnected from the mains socket outlet completely.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

Technical specifications

Product: DVD/VCR Player and Recorder
Brand: RCA
Model: DRC8335
Power Supply: 120V~60Hz
Power consumption: 40 Watts

For your records

In the event that service should be required, you may need both the model number and the serial number. In the space below, record the date and place of purchase, and the serial number:

Model No.
Remote Control No.
Date of Purchase
Place of Purchase
Serial No.



Service information

This product should be serviced only by those specially trained in appropriate servicing techniques. For instructions on how to obtain service, refer to the warranty included in this Guide.

Importer

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RFC: CTM-980723-KS5

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la class B est conforme à la norme du NMB-003 du Canada

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
THE LIGHTNING FLASH AND ARROWHEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.	CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.
SEE MARKING ON BOTTOM / BACK OF PRODUCT		

WARNING: TO PREVENT FIRE OR ELECTRICAL SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.



This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts.

**CLASS 1
LASER PRODUCT**

Safety information

Safety precautions

- Never open the cabinet under any circumstances. Any repairs or internal adjustments should be made only by a trained technician.
- Never operate this product with the cabinet removed.
- Do not use your System immediately after transporting it from a cold place to a warm place, as condensation may cause the system to malfunction.
- Keep your unit away from humid areas and abnormally hot places.
- Do not touch the player with wet hands. If any liquid enters the player cabinet, take the player to a trained technician for inspection.
- This compact disc player uses a laser to read the music on the disc. The laser mechanism corresponds to the cartridge and stylus of a record player. Although this product incorporates a laser pick-up lens, it is completely safe when operated according to directions.
- Discs rotate at high speed inside the player. Do not use damaged, warped, or cracked discs.
- Do not touch the pick-up lens which is located inside the disc compartment. To keep dust from collecting on the pick-up lens, do not leave the compartment door open for an extended period of time. If the lens becomes dirty, clean it with a soft brush, or use an air blower brush designed for camera lenses.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The ventilation should not be impeded by covering the ventilation opening with items, such as newspaper, tablecloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Attention should be drawn to the environmental aspects of battery disposal.

Important battery information

- Remove the batteries to avoid leakage if you do not use your remote control for more than one month.
- Discard leaky batteries immediately as leaking batteries may cause skin burns or other personal injuries. Dispose of batteries in the proper manner, according to provincial and local regulations.
- Any battery may leak electrolyte under the following circumstances:
 - if mixed with a different battery type,
 - if inserted incorrectly,
 - if all batteries are not replaced at the same time,
 - if disposed of in fire, or
 - if an attempt is made to charge a battery not intended to be recharged.
- **Please respect the environment!**
Before throwing any batteries away, consult your distributor who may be able to take them back for specific recycling.

Cautions

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

Important safety instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



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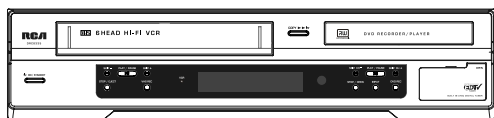
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Getting started

Box contents

EN



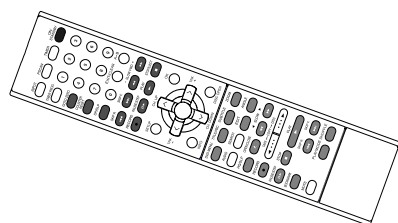
DVD/VCR player and recorder



1 set of audio video
cables (RCA-type)



RF Coaxial cable



Remote control
(with batteries)

User manual

Quick start guide

Connection guide

Owner registration
card

Things to consider before you connect

Protect components from overheating

- Do not block ventilation holes on any of the components. Arrange the components so that air can circulate freely.
- Do not stack components.
- When you place components in a stand, make sure you allow adequate ventilation.
- If you connect an audio receiver or amplifier, place the unit on the top shelf.

Position cables properly to avoid audio interference

- Insert each cable firmly into the designated jack.
- If you place components above the TV, route all cables down the side of the back of the TV instead of straight down the middle of the back of the TV.

Discs you can use for recording

Refer to page 16 for details.

IMPORTANT: It is NOT possible to record content that is copy-protected. This is usually true for most pre-recorded DVD discs and most pre-recorded VHS tapes.

Discs you can play

Refer to page 19 for details.

Don't infringe

This product should only be used for the purposes for which it is sold, that is, entertainment, violating no copyright law. Any attempts to use this product for which it is not intended is unlawful and therefore not condoned by Thomson.

Connections

Connecting your unit

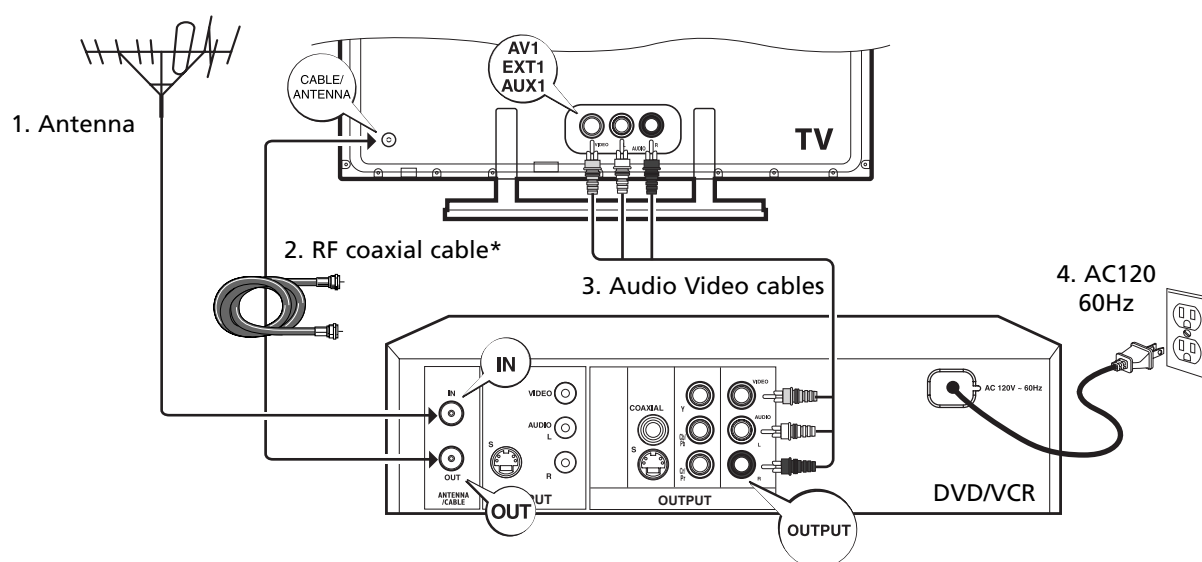
The RF coaxial cable supplied with this unit is only for passing the antenna signal to the TV.

1. To use your new DVD/VCR player and recorder, you **MUST** connect the unit to the TV with the supplied audio video cables (color-coded red, white and yellow) in addition to the antenna cable.
2. Turn on the TV and tune it to the correct Video Input Channel (if you do not know how to access the video input channel on your TV, refer to "Initial Setup" on page 12 for help). For more details about connecting to different types of equipment and connection possibilities, refer to page 6-7.

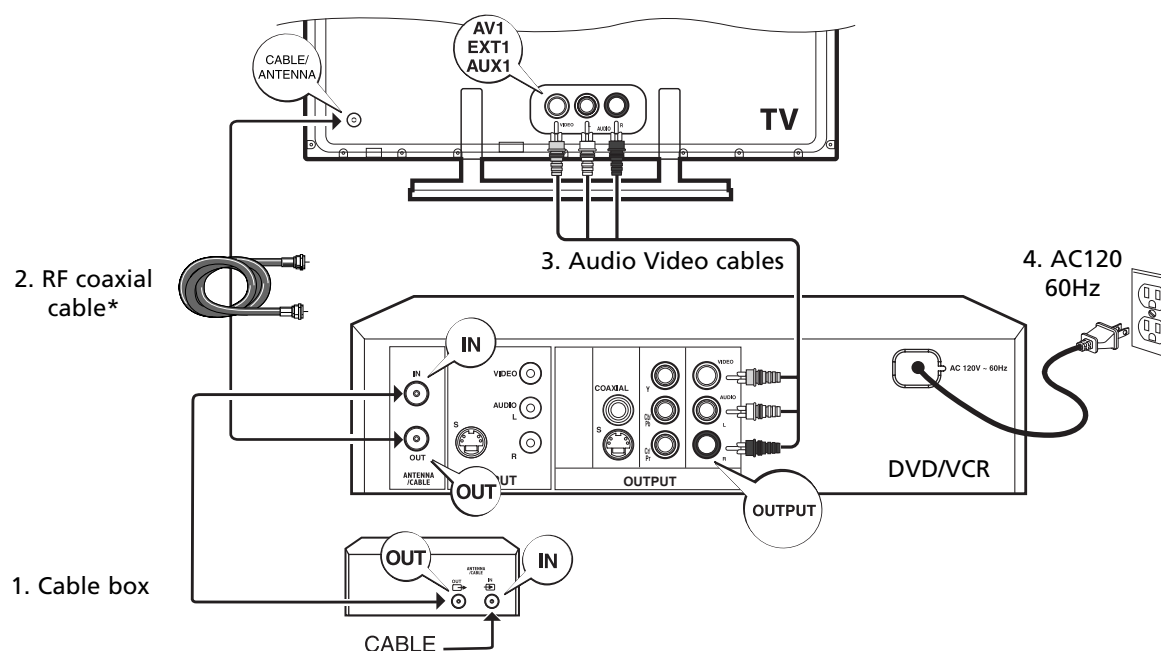


These are the audio/video cables. The yellow cable carries the video signal, and the red and white cables carry the audio signal.

DVD/VCR + TV



DVD/VCR + TV + basic cable box

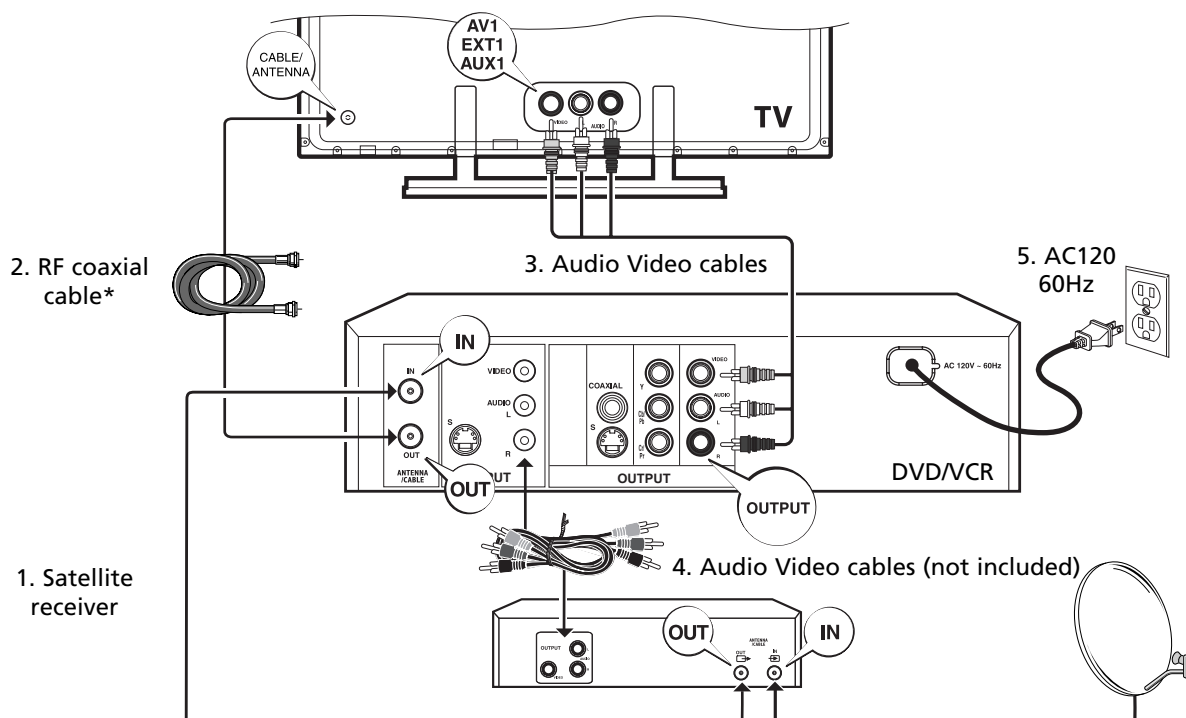


* This connection only lets you watch cable, antenna or satellite programs. To watch output from the unit you must connect the Audio Video cables.

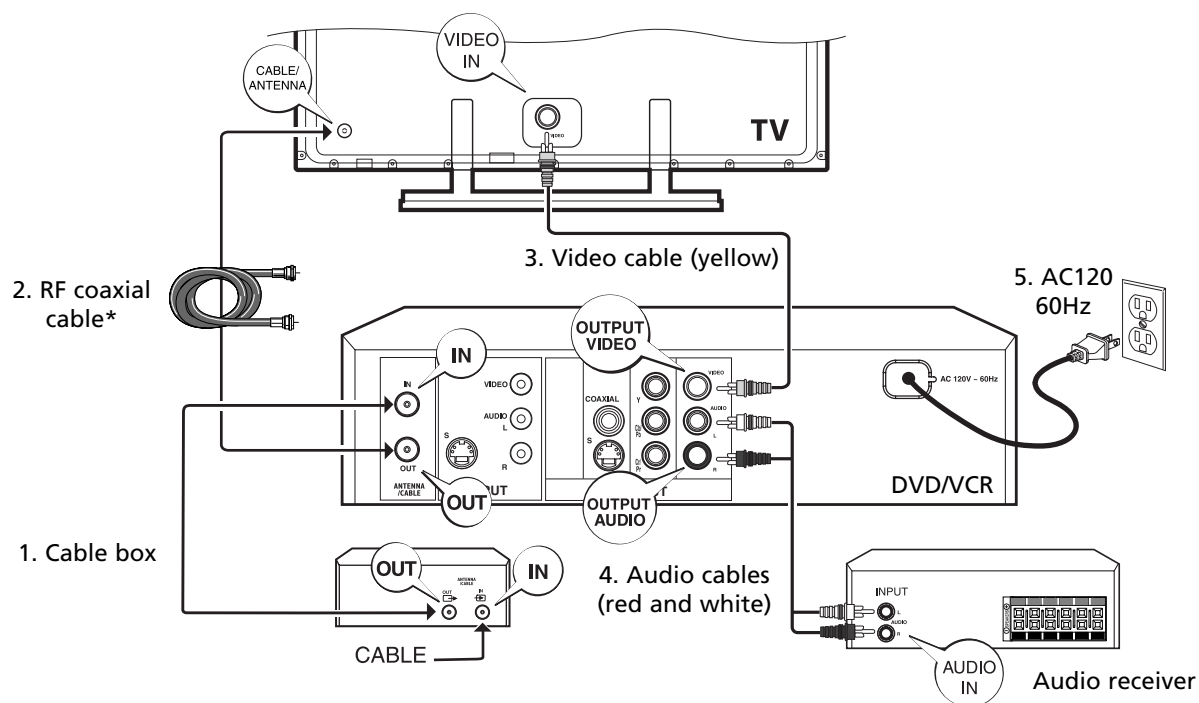
Connections

DVD/VCR + TV + satellite receiver

EN



DVD/VCR + TV + basic cable box + audio receiver



* This connection only lets you watch cable, antenna or satellite programs. To watch output from the unit you must connect the Audio Video cables.

Note: graphics are for representation only and may differ from your actual units.

Connections

Other connection options

There are several ways in which you can incorporate your unit into an Audio-Video system. This depends on the sockets and other appliances you have. Sound and image quality depend to a large extent on the types of connections used.

1. Coaxial audio output (digital sound)

The digital sound of a DVD video disc when played is permanently available on the coaxial socket of your unit. Use this socket by connecting it to a decoder or Dolby Digital amplifier.

2. Component video outputs (Y, Pb, Pr) (YUV)

The Y, Pb, Pr sockets deliver an optimum image quality due to the separation of the video signal into three separate components. To obtain the best image quality possible, use very high quality cables for connections. Your dealer can provide YUV cables that are sold together and come in the standard colour codes (red, green and blue) used for these types of sockets and cables.



If you use the Component sockets Y, Pb, Pr (also called YUV), you must configure the output video signal so that these sockets deliver either an interlaced YUV signal (component interlaced) or a progressive PS signal (component progressive) by pressing **PSCAN** on the remote control. Do not forget to also connect the audio cables, because **Component cables only transmit images, and not sound.**

3. S-Video output

The S-Video jack provides better picture quality than a video jack (sometimes labeled VIDEO and color-coded yellow on TVs) because S-Video keeps the color part of the picture separate from the black and white part of the picture. An S-Video cable is required for connection with a TV.



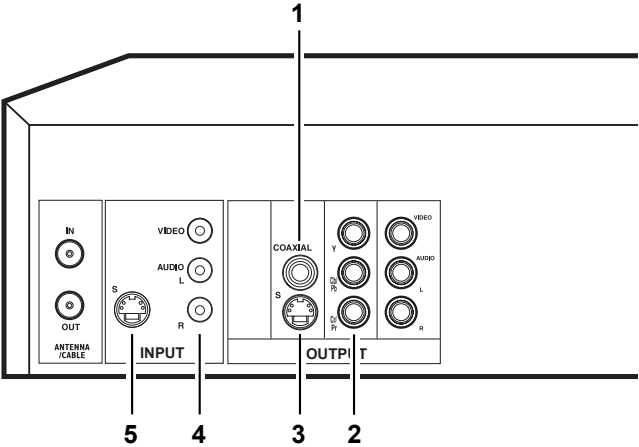
Remember to connect the left and right audio cables or coaxial audio cable because S-Video cable carries only the picture signal, not the sound.

4. AV input (INPUT)

These jacks receive audio and video from a compatible component, such as a satellite receiver. Another set of input jacks are on the front of the unit for temporarily connecting components such as a camcorder or a video game unit.

5. S-Video input (INPUT)

If your satellite receiver or cable box has an S-VIDEO output jack, connect the S-VIDEO cable to this jack because it provides better picture quality than standard video (the yellow jack). Besides the S-Video input jack at the rear panel, there is another one on the front of the unit.

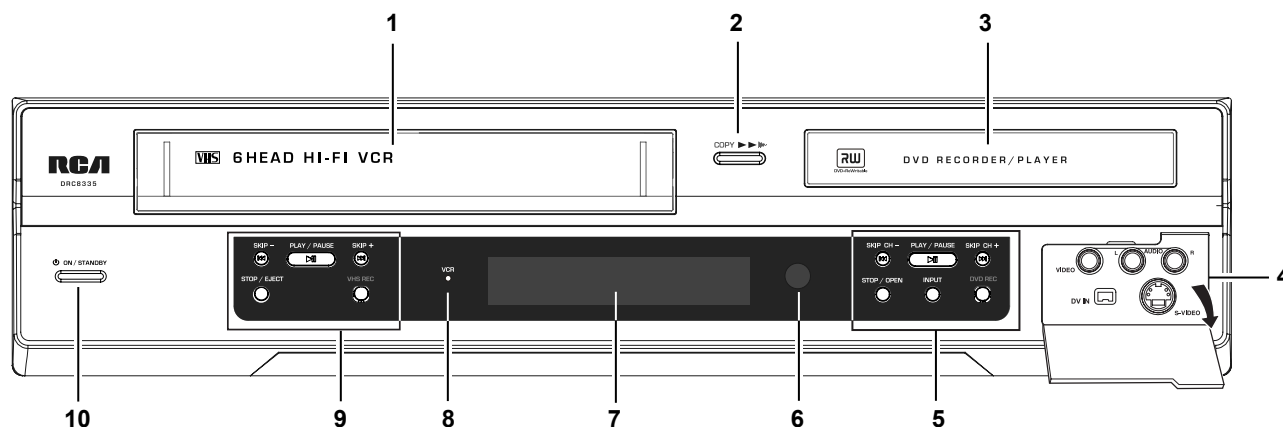


Connections	Video quality
Component (Y, Pb, Pr)	Best
S-Video	Better
Video (yellow jack)	Good

General controls

Front panel

EN



1. VCR tape deck
2. **COPY** – Shortcut key to transfer tapes (VHS) to discs (DVD±R/RW)
3. DVD disc tray
4. Front input jacks
INPUT AUDIO (L/R) and **VIDEO** – To connect an external input with A/V cables.

S-VIDEO – To connect an external input with S-video cable. S-video connection handles images only and not sound. Do not forget to connect the audio cables.

DV IN – To connect an external input (e.g. DV camcorder) through a IEEE 1394 Firewire connection.
5. DVD controls
SKIP CH – or **SKIP CH +** – To go to the previous or next title, chapter or track on a disc.

PLAY/PAUSE – To start disc playback. To pause recording or playback.

STOP/OPEN – To stop playback or recording. To open or close the disc tray.

INPUT – To select the audiovisual sources (appliances connected to the various jacks).
 - **DV** – To view the appliance connected to **DV IN**.
 - **AV1/REAR** – To view the appliance connected to input jacks at the unit's back.
 - **AV2/Front** – To view the appliance connected to input jacks at the unit's front.
 - **TUNER** – To view TV signals from the antenna.**DVD REC** – To start recording to a DVD±R/RW disc.
6. Remote control sensor
7. Display
8. VCR indicator (turns on when VCR is in operation)
9. VCR controls
SKIP +/- – To skip to the previous or next recording on the tape during playback.

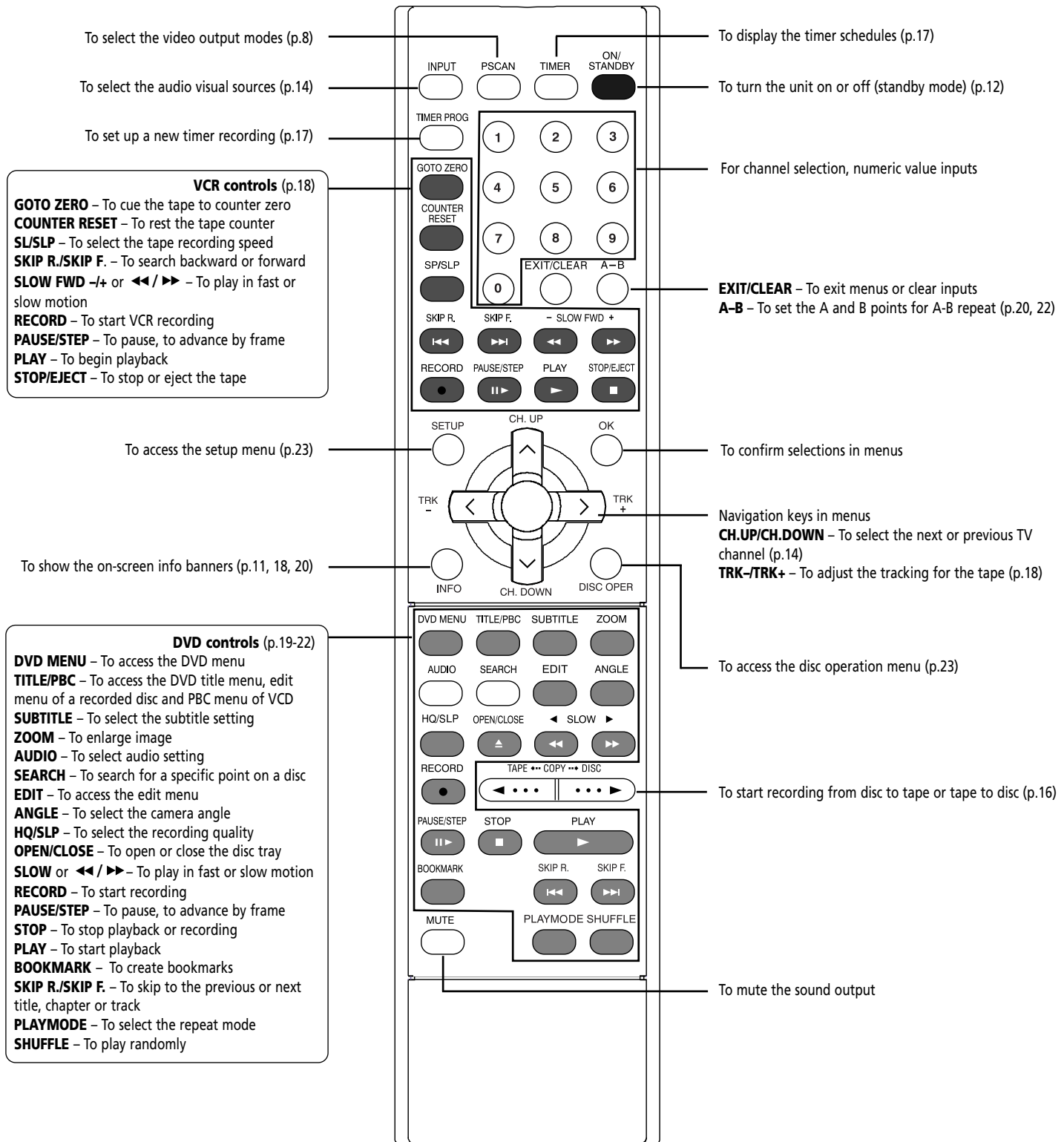
PLAY/PAUSE – To start and pause tape playback.

STOP/EJECT – To stop tape playback. To eject the tape.

VHS REC – To start tape recording.
10. **ON/STANDBY** – To turn the unit on or off (standby mode).

General controls

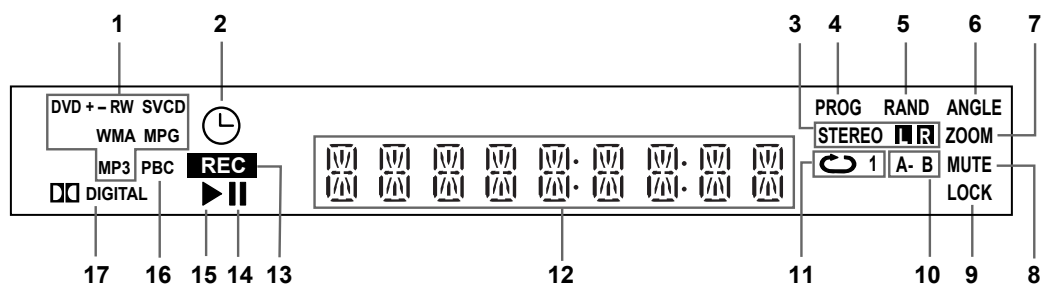
Remote control



- Insert 2 batteries (AA, R6) at the back of the remote control prior to use.
- Point the remote control at the unit, not the TV, to operate. Make sure there is a clear path between the remote control and the unit, so the signal is not blocked.
- Refer to the relevant pages in the user manual for operation details as indicated in the parentheses.

Displays

Unit's display

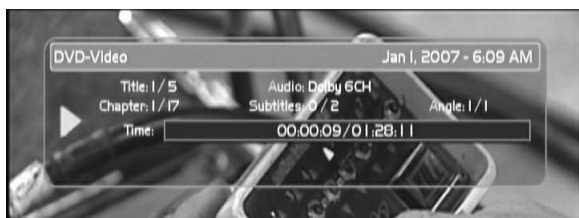


EN

1. Disc / file type
2. Timer recording is scheduled
3. Audio stereo and left / right channel
4. Program mode is selected
5. Random mode is selected
6. Multi-angle mode is available
7. Zoom mode is selected
8. Sound is muted
9. Disc locked by the rating function (parental lock)
10. Repeat A-B mode is activated
11. Repeat mode is selected
12. Playing information / time / counter or message
13. Recording in progress
14. Playback paused
15. Playback in progress
16. VCD playback control mode is available
17. Dolby digital sound is played

Screen menus and banners

- **Disc menus** – each DVD video disc offers menus for accessing more disc features. The disc menu is usually displayed on the screen when a DVD disc is loaded. You can also, at any time, display the main menu of the disc by pressing **DVD MENU**. Availability of some functions (e.g. angle, subtitle) depend on the disc's manufacturer.
- **Info banners** – while watching TV, playing a disc or tape, you can display or hide info banners by pressing **INFO**. The banners contain information of the current channel, disc or tape.



- **Action bars** – they appear at the bottom of the TV screen for accessing more functions while the unit is playing mp3, wma, jpeg, or audio CD discs. Action bars also appear in specific operations such as auto channel scan, setting up a timer recording etc. Highlight the icons in the action bars using the navigation keys (< >) and confirm selections by pressing **OK**.



- **Player menus** – the unit has functions that are not accessible using the remote control keys. Press **SETUP** to access the player menus. Move around in the menus using the navigation keys (^ v < >) and confirm your selections by pressing **OK**.



- If a menu item or icon appears in "grey" it means that the function is not available.
- When this symbol ☹ is displayed, it indicates that the function you are requesting is not available or that the key used is incorrect.
- The screen saver may have been triggered if the unit is left idle, press **OK** to quit the screen saver mode.

Initial setup

Turn on the TV and the unit

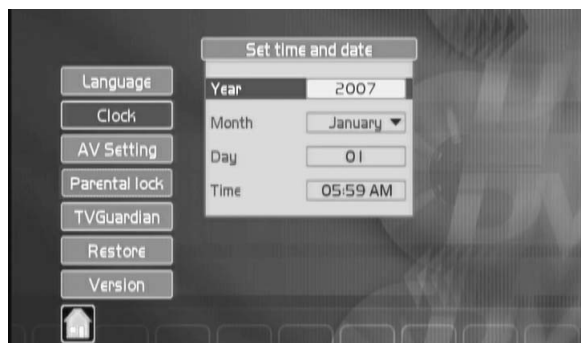
1. Turn on the unit by pressing **ON/STANDBY**.
2. Turn on the TV and select the AV input mode connected with the unit's output signal. To do so, you usually press the AV button on the TV remote control until you get to the video input channel that matches how the DVD recorder is connected to the TV. When you are on the right channel, you can see the unit's player menu.



Since access to a TV's video input channel varies from one manufacturer to the next, it is difficult to provide specific instructions for your particular brand. Please refer to the user manual of your TV.

Setting the clock

1. Press **SETUP** on the remote control to access the player menus.
2. Press \wedge or \vee to highlight "Setup" and then press **OK**.
3. Press \wedge or \vee to highlight "System" and then press **OK**.
4. Press \wedge or \vee to highlight "Clock" and then press **OK**.
5. Highlight "Year", "Month", "Day" and "Time" by pressing \wedge or \vee .
6. Press **OK** and then set the value by press \wedge or \vee .
7. Press **OK** after the setting is done. Press **EXIT/CLEAR** to exit the clock setting menu.

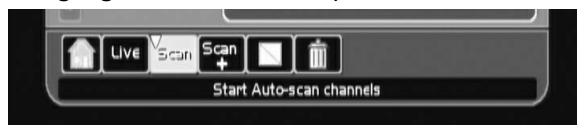


Searching for channels

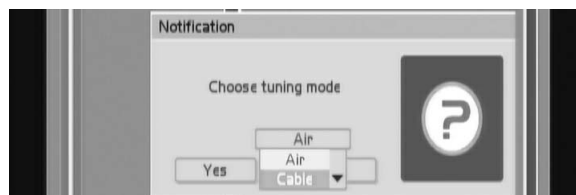
1. Press **SETUP** to access the player menus.
2. Press \wedge or \vee to highlight "Setup" and then press **OK**.
3. Press \wedge or \vee to highlight "TV Channel Setup" and then press **OK**.



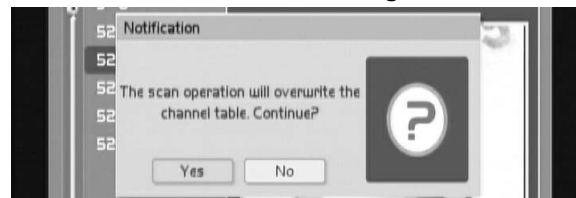
4. Press \leftarrow or \rightarrow on the action bar at the bottom of the screen to highlight "Scan" and then press **OK**.



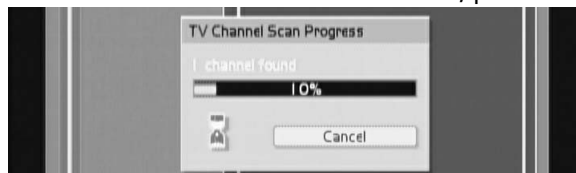
5. Select the input signal type, if necessary, between "Air" (if antenna is connected) and "Cable" (if cable is connected) and then press **OK**. Highlight "Yes" and then press **OK** to continue.



6. The scan operation will overwrite any existing channel table. Highlight "Yes" and then press **OK** to continue. Automatic channel search will begin.



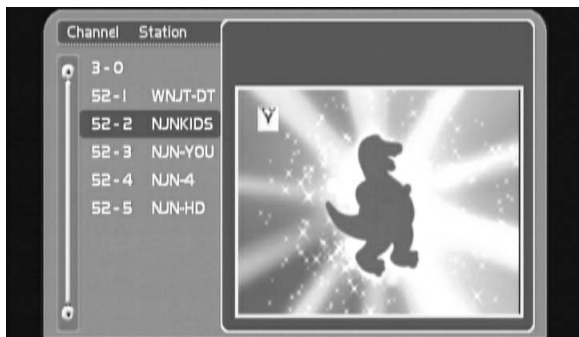
- When the channel search reaches 100%, press **OK**.



- If no channel list appears, check the ANTENNA/CABLE input jack to make sure the RF coaxial cable is properly connected.

Initial setup

7. The channel list contains the channels you tune to when you press **CH.UP** or **CH.DOWN** on the remote control.



- Press **^** or **v** to highlight a channel in the channel list. Press **<** or **>** to select an icon on the action bar at the bottom of the screen. From the channel list screen, you can hide or delete channels you rarely watch by selecting (b) "Hide/Unhide" or (c) "Remove program" icon on the action bar and then press **OK**.

You will still be able to tune to the "hidden" channels directly by using the number buttons, but the unit will not tune to a "hidden" channel when you press **CH.UP** or **CH.DOWN**.

Removed channels cannot be accessed by pressing **CH.UP** or **CH.DOWN** or the number buttons unless a new channel search is done.



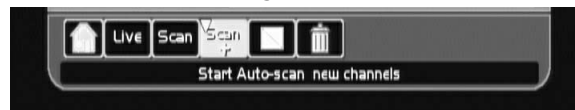
8. Highlight the (a) "Home" icon on the action bar and then press **OK** to return to the main menu.

Searching for new channels

The channel list can be updated for new channels without altering the existing list.

EN

- Press **SETUP** to access the player menus.
- Press **^** or **v** to highlight "Setup" and then press **OK**.
- Press **^** or **v** to highlight "TV Channel Setup" and then press **OK**.
- Press **<** or **>** on the action bar at the bottom of the screen to highlight "Scan+" and then press **OK**. Automatic channel search will begin.



5. The channel list will now contain the new channels (if any) at the end of the existing list, follow step 7 in Searching for channels to edit the channel list.

Watching TV programs

Watching TV programs

In order to use the features of the unit, you will have to get used to turning on the unit to watch TV.



When viewing ATSC broadcasts, press **INFO** and then **^** or **v** to select and display the information on the current channel.

1. Turn on your TV set and unit. After a few seconds the main menu of the unit appears on the television screen.
2. The "Live signal" function is already highlighted. Press **OK** to tune to the last channel watched.
- To display information on the current channel, press **INFO**.

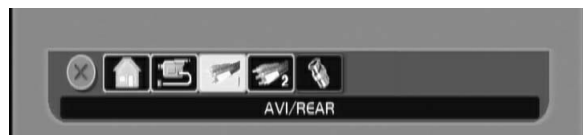


3. To change channel:
 - On the remote control – press **CH.UP/CH. DOWN**, **SKIP F./SKIP R.** or the number buttons to input the channel numbers.
 - On the unit – press **SKIP CH+/SKIP CH-**.

Watching images from connected devices

Watching images from connected devices

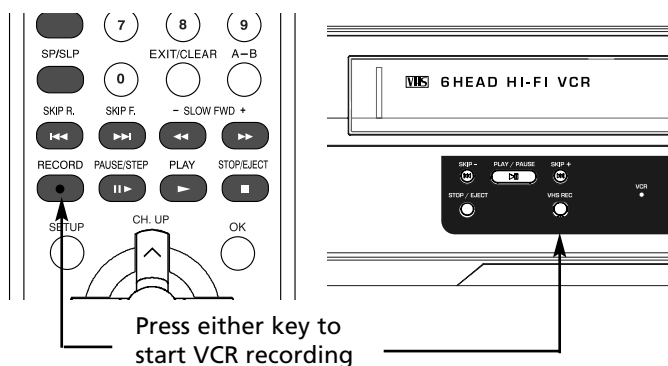
To select viewing a device connected to your unit (e.g. satellite receiver, camcorder), press **INPUT** on either the unit or remote control to show the action bar at the bottom of the screen. Select the input source (DV, AV1, AV2 or Tuner) by pressing **<** or **>** and then **OK**.



Recording

VCR recording

1. Insert a recordable tape into the tape deck.
2. If necessary, change the tape speed by pressing **SP/SLP** on the remote control. The selected tape speed shows briefly on the TV screen.
 - SP = Standard play, SLP = Super long play (around x2 to x3 the recording time as the tape indicates)
3. Refer to the instructions on page 14 to watch TV and change channel, or select viewing a device connected to your unit (e.g. camcorder).
4. Press **VHS REC** on the unit or **RECORD** (blue key) on the remote control to start recording.



Make sure the safety tab of the tape is in place. Recording is not possible if the safety tab is removed. If the safety tab is removed and you want to record, simply cover the hole with adhesive tape.









Safety tab

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5. Press **PAUSE** to pause recording. Press **VHS REC** or **RECORD** to resume.
6. Press **STOP/EJECT** to stop recording.

Recording

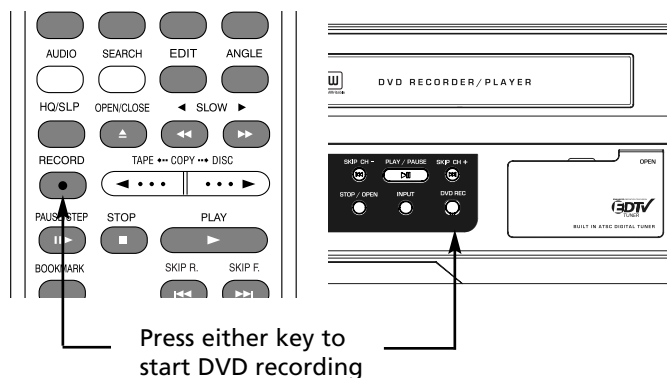
Discs for recording

DVD+R 2.4x, 4x, 8x, and 16x	
DVD-R 2.4x, 4x, 8x, and 16x	 
DVD+RW 2.4x and 4x	
DVD-RW 2.4x and 4x	 

- This recorder is not compatible with DVD-RAM, CD-R, or CD-RW discs for recording.
- The first time you load a disc, the DVD recorder will format it. This should only take a few seconds.
- DVD±R disc must be finalized (refer to DVD recording) after recording for playing in another DVD player. The DVD recorder automatically asks if you want to finalize a disc when it is finished recording.

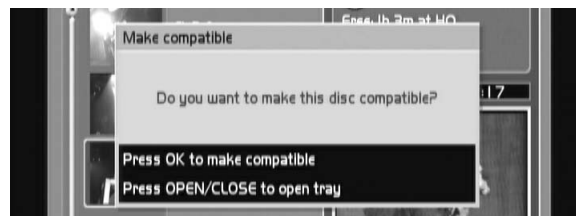
DVD recording

- Load a DVD±R/RW on the disc tray.
- Refer to the instructions on page 14 to watch TV and change channel, or select viewing a device connected to your unit (e.g. camcorder).
- If necessary, change the recording quality by pressing **HQ/SLP** on the remote control. The selected recording quality shows briefly on the TV screen.
 - HQ (1 hour recording time), SP (2 hours), LP (3 hours), EP (4 hours), EP+ (7 hours), SLP (8 hours)
- Press **DVD REC** on the unit or **RECORD** (grey key) on the remote control to start recording.



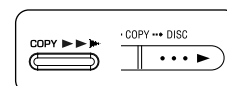
- Press **PAUSE** to pause recording. Press **DVD REC** or **RECORD** to resume.
- To stop recording, press **STOP**. A confirmation menu appears, select "Yes" on the TV screen by pressing < or > and then **OK**.
- When you stop recording, the DVD recorder takes several seconds to save information to the disc. A still frame of the recording may appear on the screen before you are returned to TV viewing.

- You will be asked to make the disc compatible when you unload the disc. If you want to play the disc on other DVD players, press **OK**. Otherwise, press **OPEN/CLOSE** to unload the disc.



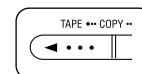
Copying tape to DVD

- Make sure you see the home page of the player menus (i.e. the menu starts with Live Signal, Play Disc...). If not, press **EXIT/CLEAR** to exit from the current menu.
- Load a DVD±R/RW on the disc tray.
- Insert the tape you want to transfer to disc into the tape deck.
- Press **COPY** on the unit or **COPY <-> DISC** on the remote control to start copying.
- Press **STOP** to stop copying.



Copying DVD to tape

- Make sure you see the home page of the player menus (i.e. the menu starts with Live Signal, Play Disc...). If not, press **EXIT/CLEAR** to exit from the current menu.
- For a recorded disc, highlight a title by pressing ^ or v on the title menu to copy only the selected title to the tape. Refer to page 21 for details.
- Insert a tape into the tape deck.
- Load the DVD you want to transfer to tape on the disc tray.
- Press **TAPE <-> COPY** on the remote control to start copying.
- Press **STOP** to stop copying.
- It is NOT possible to record content that is copy-protected. This is usually true for most pre-recorded DVD discs and many pre-recorded VHS tapes.



Watching one channel while recording another

Make sure both audio/video cables and RF coaxial cable are connected. Carry out VCR or DVD recording as instructed on the previous two pages. Use the TV's remote control to switch to TV function instead of viewing images from the AV input channel connected with the unit's output signal. Change channel using the channel buttons on the TV's remote control.



If TV program is received via satellite receiver or cable box, this feature is not available. You cannot record one satellite or cable program and watch another satellite or cable program.

Recording

Timer recordings

This feature allows you to schedule recordings from TV programming or components you have connected to the unit. At maximum, 25 timer recording schedules can be created. In order for Timer recordings to work, you must set the clock to the correct time and date.



1. Press **TIMER PROG** on the remote control to access the timer menu.
2. Press \wedge \vee $<$ $>$ to navigate through the menu. When an input field (e.g. Date, Quality) is highlighted, press **OK** and then \wedge or \vee to set value (or input with numeric keys for numeric fields) and $<$ or $>$ to shift to the next field. When selection is made, press **OK** again. If an item appears in "grey", it means that the function is not available.
 - **Time** – select the start and end time or the length of the recording.
 - **Date** – select the date of the recording in MM.DD.YYYY format.
 - **Recurrence** – select the recurrence (once, daily or weekdays) of the recording. Select the day of the week (i.e. Mon - Sun) by pressing **OK**, recording will be repeated on the selected days.
 - **Source** – select the input jack from where the signal comes (DV, AV1, AV2 or tuner).
 - **Channel** – select the TV channel of the recording if TV signal is selected in the Source field.
 - **Destination** – select the location (disc or tape) where the recording will be saved.
 - **Quality** – select a recording quality. For DVD: HQ (1 hour recording time), SP (2 hours), LP (3 hours), EP (4 hours), EP+ (7 hours), SLP (8 hours). For VCR: SP = standard play, SLP = super long play (around x2 to x3 the recording time as the tape indicates).
 - **Chaptering** – only available if destination is set as disc. Select the interval time to add chapter makers during DVD recording. Refer to page 21 for details on chapters.
3. Highlight "Confirm" and then press **OK** to save the new timer. Highlight "Cancel" and then press **OK** to exit without saving.

Review scheduled timer recordings

Press **TIMER** on the remote control to display the scheduled timer recordings.

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Edit scheduled timer recordings

1. Press **TIMER** on the remote control to display the scheduled timer recordings. Press \wedge or \vee to highlight a scheduled timer recording.
2. Action bar appears at the bottom of the TV screen. Press $<$ or $>$ to highlight an icon and press **OK** to select.



- a. Returns to the main page of the player menu.
- b. Adds a new timer recording.
- c. Edits the currently highlighted timer recording.
- d. Changes the status (suspend or ready) of the highlighted timer recording. Suspended recording will not be carried out.
- e. Removes the highlighted timer recording.

VCR playback

Basic playback

1. Tune the TV to the AV channel connected with the unit.
2. Insert a tape in the tape deck.
3. Press **PLAY/PAUSE** (on the unit, under the tape deck) or **PLAY** (on the remote control) to start playback.
4. Press **STOP/EJECT** to stop playback.
5. Press **STOP/EJECT** again to eject the tape.

Advanced playback

- **Quick search** – Press **◀/▶** during playback to start backward or forward quick search. Press **PLAY** to resume normal playback.
- **Frame advance** – Press **PAUSE/STEP** to pause playback. Press **PAUSE/STEP** repeatedly to advance frame by frame. Press **PLAY** to resume normal playback.
- **Slow motion** – Press **PAUSE/STEP** and then **SLOW FWD +/-** to start backward or forward slow motion playback. Press **PLAY** to resume normal playback.
- **Skipping** – Press **SKIP R.** or **SKIP F.** during playback (or **SKIP +/-** on the unit) to skip to the previous or next recording on the tape.
- **Tracking** – Press **TRK +/-** to remove any streaks from the picture, if necessary.

Reset counter

Press **COUNTER RESET** on the remote control to set the counter back to 0.

Go to zero

Press **GO TO ZERO** on the remote control to fast forward or rewind the tape to the point that you selected as the 0 point (above).

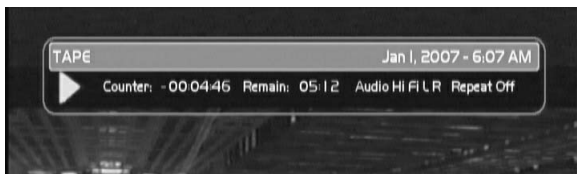
Audio channel

Press **AUDIO** during playback to change the audio to one of the following: stereo surround, left channel only or right channel only. Channels available depend on the recorded program.

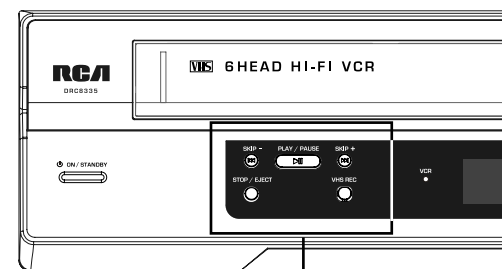
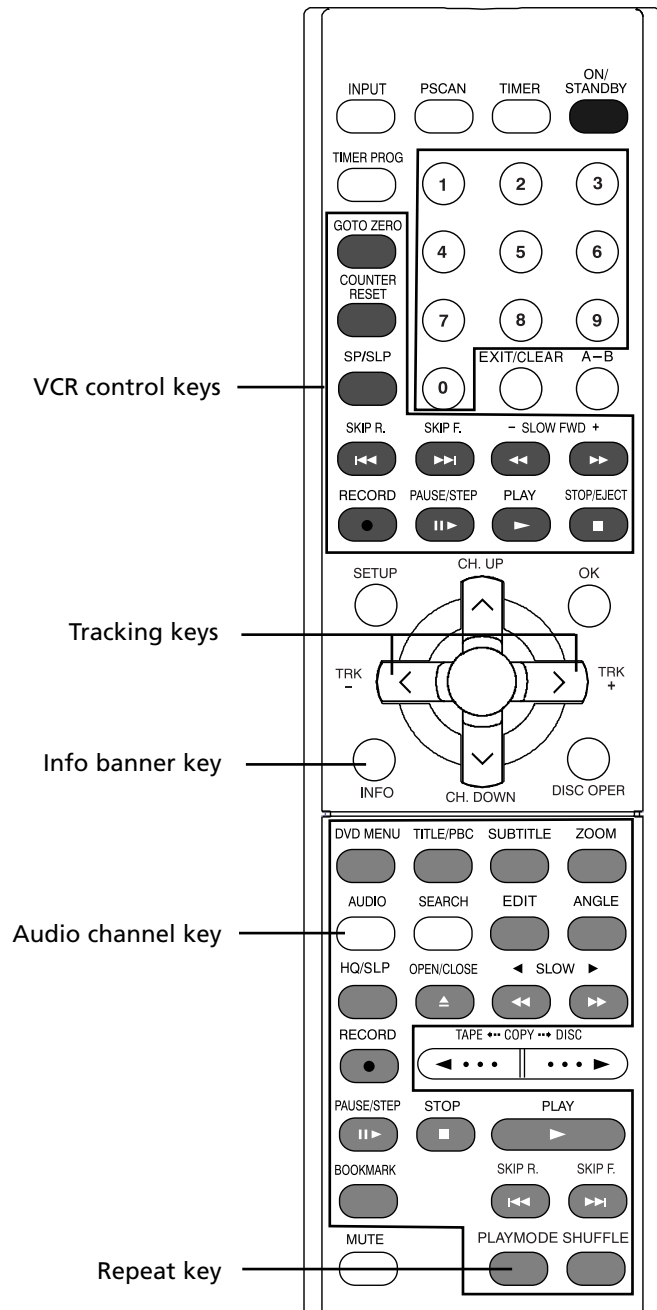
Repeat

Press **PLAYMODE** to select between repeat on and off. When repeat on is selected, the tape will be rewinded and played repeatedly when it comes to the end.

Info banner



Press **INFO** to display or hide the info banner for checking the counter, playback time, audio setting and repeat mode.



VCR control keys

DVD playback

Discs for playback

DVD Video discs with region code 1 or ALL



DVD±R/RW discs, DVD±R discs (the discs must be finalized for playback)



CDs (Audio CDs, CD-R, CD-RW, mp3, jpeg discs)



Video CD discs (VCD, SVCD)

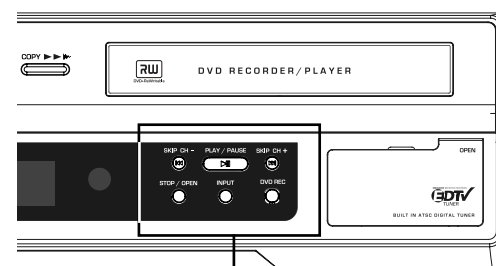
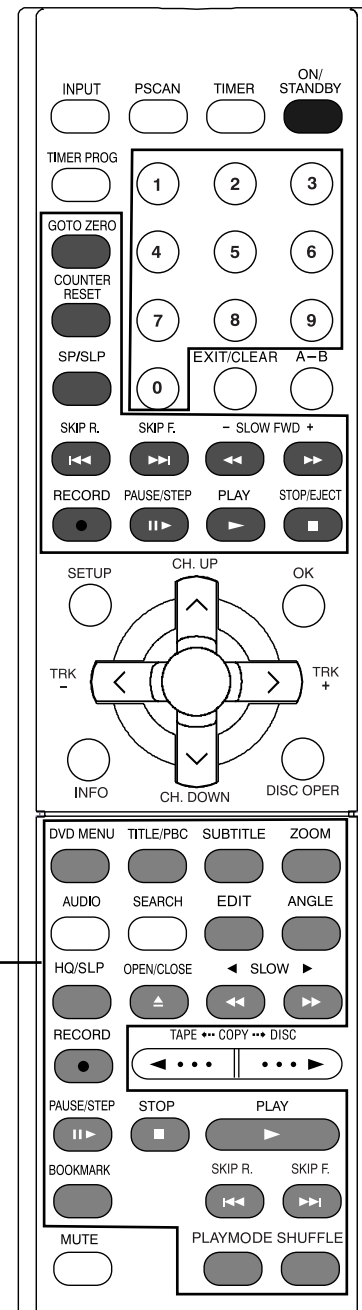


- Discs for recording (DVD±R/RW) are not assigned region numbers.
- You cannot play the following types of discs: Laserdiscs, CD-I, CD-ROM (computer only discs), discs recorded using other broadcast standards (i.e. PAL or SECAM), or DVD-RAM discs.
- Some discs may not be compatible due to laser pickup and disc design.

Basic playback

- Tune the TV to the AV channel connected with the unit.
 - Press **STOP/OPEN** (on the unit) or **OPEN/CLOSE** (on the remote control) to open the disc tray.
 - Insert a disc in the disc tray. Press **STOP/OPEN** (on the unit) or **OPEN/CLOSE** (on the remote control) to close the disc tray.
 - Press **PLAY/PAUSE** (on the unit, under the disc tray) or **PLAY** (on the remote control) to start playback.
 - Press **STOP/OPEN** (on the unit) or **STOP** (on the remote control) to stop playback.
 - Press **STOP/OPEN** (on the unit) or **OPEN/CLOSE** (on the remote control) to open the disc tray.
- The unit remembers the stopped point on a disc. When the disc starts to play again, the unit picks up from the stopped point unless the disc is unloaded or the unit is unplugged, or the **STOP** key is pressed twice.

DVD control keys



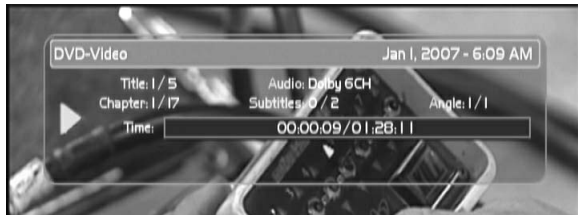
DVD control keys

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DVD playback

Info banner

Press **INFO** to display or hide the info banner for checking the playback time, audio, subtitle and angle settings.

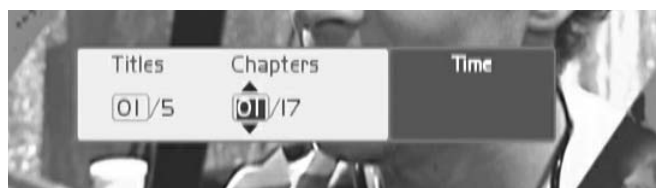


Advanced playback

- **Quick search** – Press **◀/▶** during playback (press one or more times to select speed). Press **PLAY** to resume normal playback.
- **Frame advance** – Press **PAUSE/STEP** to pause playback. Press **PAUSE/STEP** repeatedly to advance frame by frame. Press **PLAY** to resume normal playback.
- **Slow motion** – Press **PAUSE/STEP** and then **SLOW < or >** during playback (press one or more times to select speed). Press **PLAY** to resume normal playback.
- **Skipping** – Press **SKIP R.** or **SKIP F.** (or **SKIP ◀/▶** on the unit) to skip to the previous or next chapter or track on the disc.
- **Zoom** – Press **ZOOM** during playback (press one or more times to select zoom options: 1x, 2x, 4x and 1/2x). Move the enlarged image by pressing **^ v < >** to see a specific part of it. Press **ZOOM** several times to return to the original format.
- **Audio setting** – press **AUDIO** during playback to change audio setting by pressing **^ or v** and then **OK**. Available setting options depend on the disc's manufacturer.
- **Subtitle setting** – press **SUBTITLE** during playback to change subtitle setting by pressing **^ or v** and then **OK**. Available setting options depend on the disc's manufacturer.
- **Angle setting** – press **ANGLE** during playback to change angle setting by pressing **^ or v** and then **OK**. Available setting options depend on the disc's manufacturer.
- **DVD menu** – press **DVD MENU** to access the DVD disc menu.
- **Title menu** – press **TITLE/PBC** to access the DVD disc title menu (if available) or the PBC menu (if available) of VCD.

Searching

1. Press **SEARCH** during playback to access the search menu.
2. Press **< or >** to select among search by title, chapter or time.
3. Press **^ or v** to select the value (or input with numeric keys) for the selected search parameter.
4. Press **OK** to go directly to the desired location on the disc.



Repeat playback

Press **PLAYMODE** during playback to select among the repeat modes: chapter repeat, title repeat, all repeat and repeat off. The selected repeat mode shows briefly on the TV screen.

A-B repeat playback

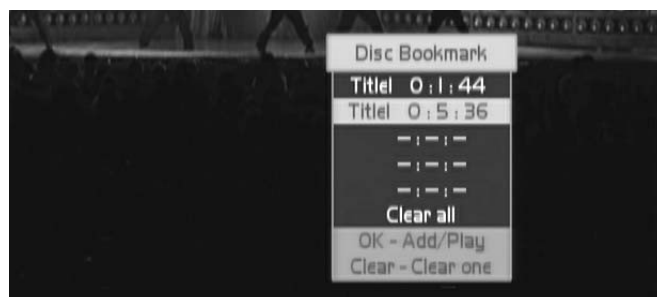
A-B repeat lets you define a specific segment on the disc that you want to repeat.

1. During playback, press **A-B** at the beginning point of the segment (the A point) that you want to repeat.
2. Go to the end of the segment you want to repeat. Then press **A-B** to set the B point. Playback will be repeated between points A and B.
3. Press **A-B** again to cancel A-B repeat.

Bookmark

Bookmark lets you mark specific points on a disc for quick search and playback.

1. During playback, press **BOOKMARK** to show the bookmark menu on the TV screen.
2. Press **^ or v** to highlight an empty bookmark and then **OK** to mark the specific point on the disc as a bookmark. Repeat this step for creating more bookmarks. Maximum five bookmarks can be created.



- To clear a bookmark, highlight an unwanted one and then press **EXIT/CLEAR**. Or select "Clear all" on the bookmark menu to remove all created bookmarks.
- Bookmarks will also be cleared when the disc is unloaded.
- 3. To view the bookmarks, press **^ or v** to highlight a bookmark and then press **OK** to go directly to the bookmarked point on a disc.

Recorded disc playback

Title menu

When a recorded non-finalized DVD±R or a DVD±RW disc is loaded and played. The following title menu shows on TV:



Press **^** or **v** to highlight a title and **<** or **>** to highlight an icon on the action bar at the bottom of the screen and press **OK** to select.

- a. Returns to the main page of the player menu.
- b. Starts playback of the highlighted title.
- c. Switches to chapter menu of the highlighted title.
 - Normally, video discs are divided into titles and titles are subdivided into chapters.
- d. Renames the highlighted title.
- e. Deletes the highlighted title.
- f. Protects/unprotects the highlighted title from deletion or modification.

Chapter menu



When the chapter menu of a title is shown (refer to (c) in the title menu):

Press **^** or **v** to highlight a chapter and **<** or **>** to highlight an icon on the action bar at the bottom of the screen and press **OK** to select.

- a. Goes back to the title menu.
- b. Starts playback of the highlighted chapter.
- c. Hides or unhides the highlighted chapter (it is not possible to hide the first chapter of a title). Hidden chapters will not be played.
- d. Combines highlighted chapters.
- e. Combines all chapters in a title.

Playing a chapter

When a chapter is played (refer to (b) in the chapter menu):



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Press **OK** to show the action bar, press **<** or **>** to highlight an icon on the action bar at the bottom of the screen and press **OK** to select.

- a. Hides the action bar.
- b. Returns to the chapter menu.
- c. Adds chapter mark.
- d. Selects the current image as thumbnail of the title.



For a finalized DVD±RW disc, press **EDIT** on the remote control may unfinalize the disc for further recording and editing.

Record on a deleted title

The free disc space available after deleting a title on a DVD±RW disc can be recorded again. For details on deleting a title, refer to Title menu on the same page.

1. From the title menu, press **^** or **v** to highlight a deleted title and **<** or **>** to highlight the record icon (red dot) on the action bar at the bottom of the screen.
2. Press **OK** to mark the free disc space for recording. New DVD recording will start from the marked space instead of the end of the disc.



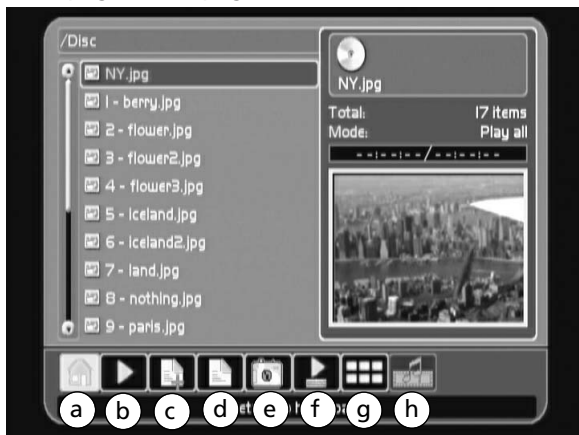
- New recording on the free disc space must not exceed the original size or length of the deleted title.
- Timer recording will automatically search for the most suitable disc location for recording, no matter if the disc space is at the end of the disc or from a deleted title.

Playback of other discs

File browser

A file browser shows on the TV screen when a disc with any of the following file types is loaded.

- mp3 or wma (audio)
- jpeg (picture)
- mpeg2 and mpeg1 (video)



Press \wedge or \vee to highlight a folder or file. Press $<$ or $>$ to highlight an icon on the action bar at the bottom of the screen and press **OK** to select.

- Returns to the main page of the player menu.
- Starts playback of the highlighted file (or open the highlighted folder).
- Adds the highlighted file in the playlist.
- Views and edits the playlist. Refer to Editing playlist.
- Filters the files on the disc according to audio, video, picture or all types.
- Selects the playback mode including combinations of repeat and shuffle playback.
- Shows files in thumbnail view (only applicable to picture files).



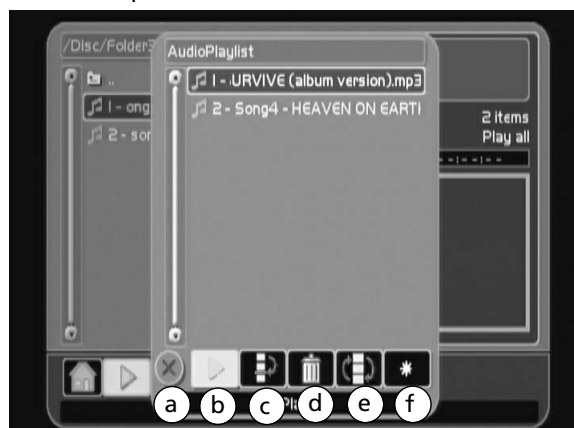
- Starts picture slideshow with music. To start playing audio files in the playlist or current folder (if playlist contains no audio files) with pictures in the playlist.



When viewing jpeg images, press **ANGLE** or $\wedge \vee < >$ to rotate the images.

Editing playlist

Press \wedge or \vee to highlight a file in the playlist. Press $<$ or $>$ to highlight an icon on the action bar at the bottom of the menu and press **OK** to select.



- Hides the playlist.
- Starts playback of the highlighted file.
- Moves the highlighted file.
- Deletes the highlighted file.
- Mixes the order of the files in the playlist.
- Clears all files in the playlist.

Shuffle playback

Shuffle playback is only available for audio CDs, jpeg, mpeg or mp3/wma discs. Press **SHUFFLE** during playback to select among shuffle, repeat shuffle and play all modes. Playback will be in random order when shuffle playback is turned on.

A-B repeat playback

A-B repeat lets you define a specific segment on the disc that you want to repeat. This feature is only available to audio and video discs.

- During playback, press **A-B** at the beginning point of the segment (the A point) that you want to repeat.
- Go to the end of the segment you want to repeat. Then press **A-B** to set the B point. Playback will be repeated between points A and B.
- Press **A-B** again to cancel A-B repeat.

Player menus

The player menus show when the unit is just turned on or when **SETUP** is pressed. Navigate through the menus using the navigation keys (**^** **v** **<** **>**) and confirm your selections by pressing **OK**.



Live signal

Select this option to view the live TV program of the selected channel.

Play disc

Select this option to view loaded disc in the unit. This has the same function as you press the **PLAY** button of the DVD player. Refer to page 19 for details.

Play tape

Select this option to view loaded tape in the unit. This has the same function as you press the **PLAY** button of the VCR. Refer to page 18 for details.

Timer rec

Select this option to access the timer recording menu. This has the same function as you press the **TIMER** button. Refer to page 17 for details.

Setup

Select this option to access more functions of the player. The sub-menus are as the followings:



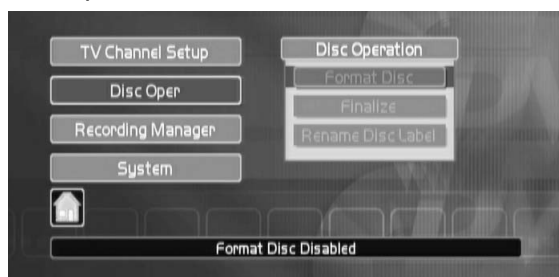
- TV Channel Setup
- Disc Oper ————— Format Disc
Finalize
Rename Disc Label
- Recording Manager ————— Quality
Auto Chapter
- System ————— Language
Clock
AV Setting
Parental Lock
TV Guardian
Restore
Version

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TV Channel Setup

Refer to page 12 for details.

Disc Oper



Format Disc – You may be required to format your DVD±R/RW before using. All existing content on the disc will be erased after formatting.

Finalize – To close the disc session. This option will change as “Unfinalize” if a finalized DVD±RW disc is loaded. You may unfinalize the disc for further recording.



You need to finalize a DVD±RW to make it compatible with other DVD players.

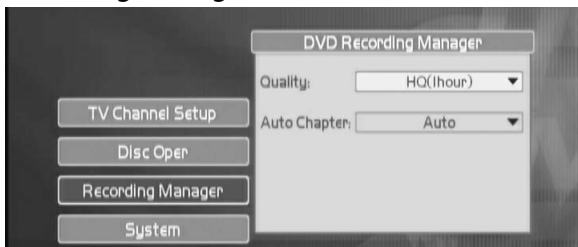
Rename Disc Label – To change the name of the disc. Press **^** **v** **<** **>** to navigate through the rename menu and press **OK** to confirm selections.



You may also access the above Disc operation menu by pressing **DISC OPER** on the remote control.

Player menus

Recording Manager



Quality – To select the DVD±RW recording quality. The higher the quality, the shorter is the recordable time.

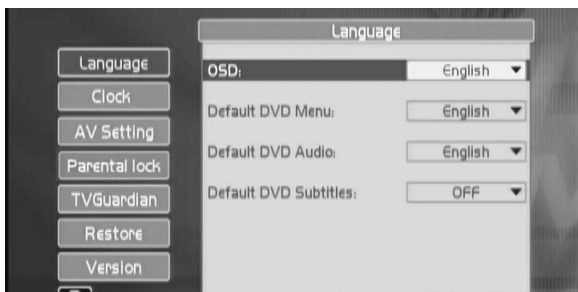
- HQ (1 hour), SP (2 hours), LP (3 hours), EP (4 hours), EP+ (7 hours), SLP (8 hours)

Auto Chapter – To select the interval time to add automatic chapter markers during DVD recording. Refer to page 21 for details on chapters.

- Auto (5 minutes for HQ, SP and LP recording. 10 minutes for EP, EP+ and SLP recording), 5 minutes, 10 minutes, 15 minutes and off.

System

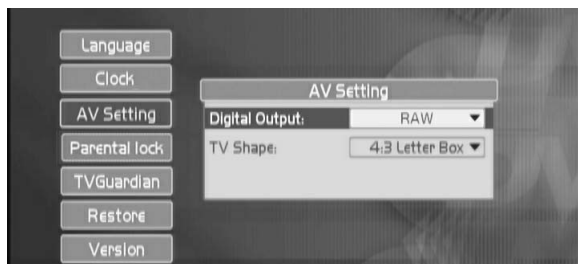
Language – To change the default languages for OSD (on-screen display), DVD menu, DVD Audio and DVD Subtitles. If the disc does not contain the language you have chosen, the disc's default language is automatically selected.



Clock – Refer to page 12 for details.

AV Setting – To change the digital output and TV shape settings.

- Digital output: RAW or PCM
- TV shape: 4:3 Letterbox, 4:3 Pan scan and 16:9



You may experience different screen sizes when receiving ATSC signals. Change the TV shape setting for optimal viewing.

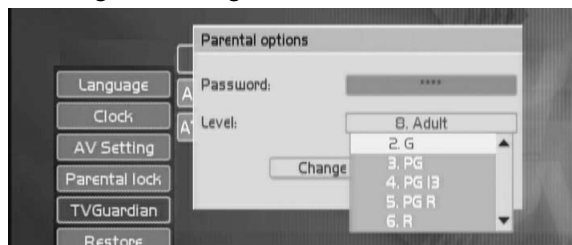
Parental lock

DVD – This function enables you to restrict access to certain DVDs whose content may be deemed unsuitable for your children. Viewing is not possible unless a password that you have chosen is entered. The rating system ranks the ratings from 1 to 8 (1 is considered material that is least offensive and 8 is considered the most offensive).



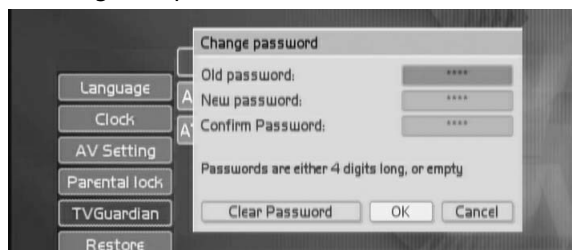
In order for the ratings to be enforced, the unit must be locked and the disc you are playing must contain a movie (or a title) that is rated.

To change the rating level:



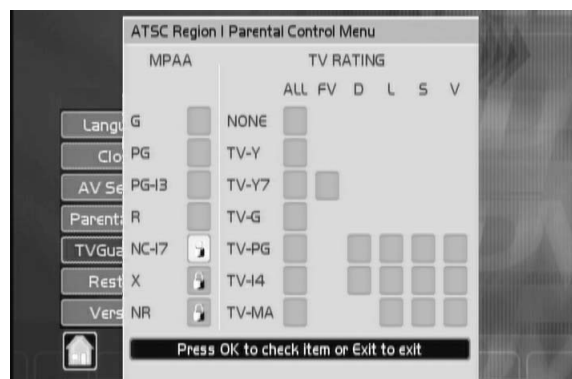
1. Highlight "Level" and then press **OK**.
2. Select a level by pressing **^** or **v** and then press **OK**. If a password has already been created, you must enter the correct password with the numeric keys before you can change the rating level.

To change the password:



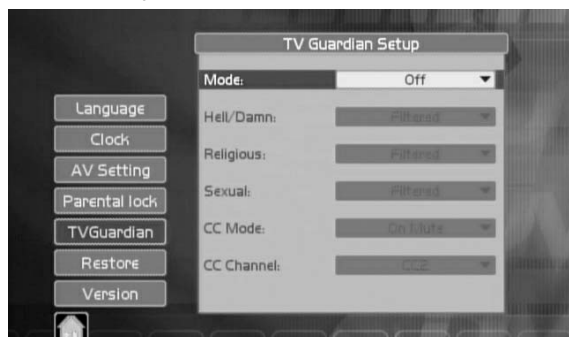
1. Highlight "Change password" and then press **OK**.
2. Enter the old password and new password with the numeric keys. If you are using this feature for the first time, no old password is required.
3. Select "OK" on the menu and then press **OK**.

ATSC Region 1 and **ATSC Region 2** – ATSC digital television broadcast includes information about parental ratings. This can either be applied to a complete channel, or to a single program. You can change the parental ratings by pressing **OK** against the desired rating level. A padlock icon tells you whether or not a rating level is locked. Password is required when you change the ratings. The password is the same as you have created in the DVD rating menu.



Player menus

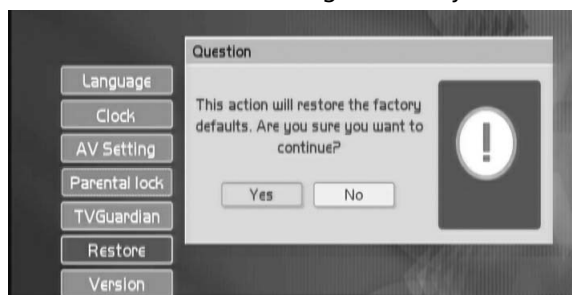
TV Guardian – TVGuardian (TVG) filters out objectionable language monitoring the closed captioning (CC) information contained on the DVD disc. When objectionable words or phrases are detected, TVGuardian mutes the audio and displays more appropriate “profanity free” phrases. The TVGuardian technology also offers various levels of filtering and adjustable with simple on-screen menus. For more information, visit www.TVGuardian.com.



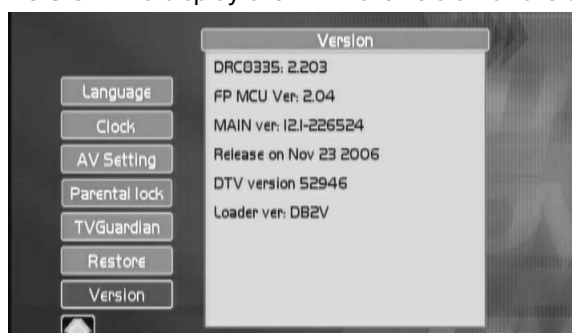
Setting TVGuardian:

- **Mode:**
Off (no filtering), Tolerant (filters only the most offensive foul language), Moderate (increased standards for language filtering), Strict (filters out all common offensive language)
- **Word Subset Filtering:**
Hell/Damn (filters out variations of “Damn” and “Hell”), Religious (filters out references to deity), Sexual (filters sexually explicit language)
- **CC Mode:**
Off (captions are never displayed), On Mute (Default, captions are displayed when offensive language is being filtered), On Always (captions are displayed continually)
- **CC Channel:**
To select between CC1 (default) and CC2. To use the TVG captioning features while watching a DVD movie, your television must be capable of displaying closed captions. Make sure that your TV CC is set to CC1 or C1 (closed caption on channel 1), and that the CC channel on your unit is set to CC2 (this is the default setting).

Restore – To reset all settings to factory defaults.



Version – To display the firmware version of the unit.



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More information

Troubleshooting

Most problems you encounter with your product can be corrected by consulting the following troubleshooting list. If you still have problems or need additional help, call 1-866-775-0976 or visit www.rca.com/customersupport.

General Problems

Unit will not work (locks up)

- Press and hold the **ON/STANDBY** button for about 10 seconds to reset the unit.
- Try unplugging the AC power cord and plugging it back in.

No power

- Plug in the unit. Make sure both ends of the AC power cord are securely plugged into the unit and into an AC outlet.
- Make sure you have plugged it into a working outlet and/or a power strip that is turned on.
- Do not plug the unit into an outlet that is operated by a wall switch.

No picture (or TV displays "Unusable Signal" or "Insufficient Video Signal")

- Turn on the TV.
- Tune your TV to the Video Input Channel that corresponds to the jacks you used to connect the TV to the unit.
- The unit may be in progressive scan video mode. Press the PSCAN button to select the available choices. Try playing the disc again. Some, but not all, High Definition Televisions (HDTVs) and multimedia monitors use progressive scan.
- Make sure your unit is connected properly.
- If you connected a satellite receiver or a cable box, make sure it is turned on.

A screen saver appears on the TV

- The unit is equipped with a screen saver that appears on the TV after it has been idle for several minutes. To make it disappear, press any button on the remote control.

The menu is displayed in a foreign language

- The OSD menu is set to that language. Follow these steps to change the language: 1) Highlight the fifth item from the player menus and then press **OK**. 2) Highlight the fourth item in the sub-menu and then press **OK**. 3) Highlight the first item in the sub-menu and then press **OK**. 4) The first item in the language menu could change the OSD language.

I forgot my password

- Enter "9688" as your password, this is the default password. Make sure to change it to a new one and lock the unit again before you turn it off. Store your password in a safe place.

DVD Problems

Disc will not eject

- When you put a disc into the player, the player may take up to 15 seconds to read the disc and determine the disc type. You will not be able to eject the disc during this time. Wait 15 seconds and try again.
- Turn the unit off and on and try it again.
- Try unplugging the AC power cord and plugging it back in.

Disc will not play

- Many problems encountered when playing (or recording) a disc are related to the wide variation in disc quality due to the large number of brands and manufacturers. We highly recommend using discs from a reputable manufacturer. If you encounter problems with one brand, please try another brand.
- Insert a disc with the label side facing up.
- Check the type of disc you put into the player. This player only plays DVD video discs, Video CDs (VCD and SVCD), audio CDs, and CDs with true mp3, and/or JPEG files, or WMA files. mp3 files that have been converted to MPX files (or similar types of files) will not be recognized by the unit. If you try to play an incompatible disc type, *Bad Disc* appears on the front of the unit.
- Both the unit and pre-recorded DVD movie discs are coded by region. If the regional codes do not match, the disc cannot be played. This unit is Region No. 1 for North America. Region coding is not applicable to discs you use to record.
- If you are playing a Multisession CD, you might not have closed the session before ejecting it from your computer. Close the session and try the disc again.
- If you are trying to play a DVD±R/RW disc you recorded in this unit in another DVD player, the DVD player may not support DVD±R/RW discs. Also, if it is a DVD±R disc, make sure you finalize it.
- DVD-RAM and CD-RAM discs cannot be played on this unit.
- If the disc appears to be playing but you do not see a picture (or Unusable Signal or Insufficient Video Signal appears on the screen), make sure the TV is tuned to the correct Video Input Channel for how you connected it to the unit. Refer to page 12 for details.
- If you are trying to play a disc that was recorded on a PC, it must have been recorded using a compatible video format. This product plays DVD video (MPEG2), Video CDs (MPEG1), audio CDs, or data discs (CD-R, CD-RW) with jpeg pictures, mp3s, or WMA files.

Play starts, but then stops immediately

- The disc is dirty. Clean it.
- Condensation has formed in the unit. Allow it to dry out.

More information

The picture is distorted and/or fuzzy, or "jumps" during disc playback

- The disc might be damaged or scratched. Try another disc.
- It is normal for some distortion to appear during forward or reverse scan.
- The disc might be dirty. Clean it.
- Some discs have defects that cause them to jump from one scene to the next.
- The unit may be in progressive scan video mode. Press the PSCAN button to toggle the available choices. Try playing the disc again. Some, but not all High Definition Televisions (HDTVs) and multimedia monitors use progressive scan.
- If you have a progressive scan TV connected, a slight jumping of the signal is normal when you first play a DVD disc. A more detailed explanation follows: If you have a progressive scan TV connected to the DVD recorder via the COMPONENT jacks (Y, Pb, Pr), the DVD recorder automatically switches between progressive scan and regular interlace because progressive scan is only available when you play DVD discs. As the signal is converted from interlace to progressive (and vice versa), the recorder resynchronizes the signal. Depending upon your TV, this resynchronization process might cause a slight "jump" in the picture when you start playing a DVD disc and again when you return to watching TV.

No sound or distorted sound

- Make sure your unit is connected properly. Make sure all cables are securely inserted into the appropriate jacks.
- Turn your TV to its Video Input Channel.
- Sound is muted when you are using search features (fast forward, reverse, frame advance, etc.).
- If you connected an audio receiver to the unit, make sure you chose the correct input setting on the receiver.

Cannot advance, forward or reverse scan through a movie

- Some discs have sections that prohibit rapid scanning, or title and chapter skip.
- You cannot advance through the opening credits and warning information that appear at the beginning of DVD movies because the disc is programmed to prohibit that action.

Subtitle and/or audio language is not the one selected from the initial setting

- If the subtitle and/or audio language does not exist on the disc, the disc's priority language will be selected instead. Press the **SUBTITLE** or **AUDIO** buttons to access the available settings, and press **OK** to select them.

Desired angle cannot be changed

- Most discs do not have the multi-camera angle system, and some discs only have multiple angles during certain parts of the movie.

Picture is too tall and thin or too short and wide

- Change the TV Display in the AV setting menu. You may experience different screen sizes when receiving ATSC signals. Change the TV shape setting for optimal viewing.

Recording Problems

Not enough space on the DVD+R or DVD+RW disc

- To get more recording time, you can change the Recording Quality setting. If it is a DVD±RW disc, you can delete some titles to create more space.

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Will not record

- You cannot record content that is copy-protected and copy DVD movies by connecting a DVD player to the unit.
- Make sure you have inserted a DVD±R/RW disc. You cannot record on DVD-RAM, or any CD discs.
- Make sure the disc is not locked, which protects contents of disc and prevents recording.
- Make sure the disc is not finalized for compatibility in other DVD players. Insert the disc and press the TITLE button.
- Many problems encountered when recording (or playing) disc are related to the wide variation in disc quality due to the large number of brands and manufacturers. We highly recommend using discs from a reputable manufacturer. If you encounter problems with one brand of disc, please try another brand.

mp3 files problems

The following recommendations cannot be taken as a guarantee that the unit will play mp3 recordings, or as an assurance of sound quality. Certain technologies and methods for mp3 file recording on CD-R discs prevent optimal playback of these files on your product.

- Make sure the file is a true mp3 file. You can only play true mp3 files in the unit — some products use software to compress mp3 files and convert them to other formats such as MPX. Your unit will not recognize or play MPX files or other types of converted mp3 files. Also, if the mp3 file is copy protected from a secure download site, it may not play.
- When naming mp3 files, do not exceed 12 characters, and enter .mp3 as the file extension. When using a general name format of: Title.mp3, make sure the title is 8 characters or less, do not use spaces, and do not use special characters (such as, =, +, /, %, &, etc.).
- Whatever the real recording capacity of the CD-R, do not use more than 630MB of recording space on the disc.
- Use a decompression transfer rate of at least 128 kb/sec (kilobits/second) when recording mp3 files. Sound quality with mp3 files basically depends on the rate of compression you choose. Getting audio CD quality sound requires an analog/digital sampling rate, that is conversion to mp3 format, of at least 128 kb/sec and up to 160 kb/sec. However, choosing higher rates like 192 kb/sec or more, only rarely give even better sound quality. Conversely, files with sampling rates below 128 kb/sec will not be played.

Cannot get to DVD recorder's main menu

- Press the STOP button until the main menu appears or press the left arrow button to return to the previous menu. If that does not work, remove the mp3 disc from the disc tray.

Cannot make the Info Display appear

- The Info Display is only available when playing DVD discs, Video CDs, and watching TV. It does not appear when viewing files in browser mode.

More information

VCR problems

No picture or snowy picture

- Turn on the TV.
- Make sure your unit is connected properly, and tune your TV to the Video Input Channel that corresponds to the jacks you used to connect the TV to the unit.
- If you connected a satellite receiver or a cable box, make sure it is turned on.
- Some snow or streaks are normal during search, stop action, frame advance, and slow-motion playback.
- Adjust the tracking by pressing the TRK+/- buttons during tape playback.
- The tape may be worn out or of poor quality.

Tape will not play

- Make sure your unit is connected properly, and tune your TV to the Video Input Channel that corresponds to the jacks you used to connect the TV to the unit.
- Try ejecting the tape and reinserting it.
- Make sure the tape is not broken.
- Make sure the unit is not in pause mode. Press PAUSE or PLAY to return to normal playback.

Time counter disappears during searching

- This is normal if the tape reaches a section where there is nothing recorded on it.
- Try ejecting the tape and reinserting it.

Tape will not record

- Make sure there is a recordable tape in the unit.
- Make sure the tape's safety tab is intact and has not been removed.

Timer recordings problems

- Make sure the clock is set and the time is correct.
- Make sure you set up the timer recording correctly.
- If you are recording from a satellite receiver or cable box, make sure they are turned on and tuned to the desired channel when it is time for the recording to start. Also, if you used audio/video or S-Video cables to connect your satellite receiver or cable box to the DVD recorder, tune the unit to the corresponding Video Input Channel by pressing the INPUT button on the remote control.

Remote control problems

Remote will not work

- Insert new batteries in the remote.
- Operate the remote control at a distance of no more than 20 feet.
- Remove any obstacles between the remote and the unit or other component. If your unit is in an entertainment cabinet, the glass doors might obstruct the remote control from operating the DVD recorder. Open the doors.

Maintenance

For safety reasons, when cleaning the cabinet be sure to disconnect the AC power cord from the AC outlet.

- Do not use benzene, thinner, or other solvents for cleaning.
- Wipe the cabinet with a soft cloth.

Formation of Condensation

- Due to sharp changes in temperature and humidity, condensation may form if warm air comes in contact with any cold parts inside the player.
- When condensation forms inside the player, the player may not operate correctly. If this occurs, leave the player at room temperature until the inside of the player becomes dry and operational.
- If condensation forms on a disc, wipe the disc with a soft, dry cloth by moving the cloth from the center hole toward the outer edge.

Handling Discs


- Do not touch the disc's signal surfaces. Hold by the edges or by one edge and the hole in the center.
- Do not affix labels or adhesive tape to label surfaces. Don't scratch or damage the label.
- Do not use damaged (cracked or warped) discs.

Note

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

This DVD Recorder is designed and manufactured to respond to the Region Management Information. If the Region number of a DVD disc does not correspond to the Region number of this DVD Recorder this DVD Recorder cannot play the disc. The Region number for this DVD Recorder is Region No 1.

This device is protected by U.S. patent numbers 4,631,603 and 4,577,216 and 4,819,098 and other intellectual property rights. The use of Macrovision's copy protection technology in the device must be authorized by Macrovision and is intended for home and other limited pay-per-view uses only, unless otherwise authorized in writing by Macrovision. Reverse engineering or disassembly is prohibited.

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The descriptions and characteristics given in this document are given as a general indication and not as a guarantee. In order to provide the highest quality product possible, we reserve the right to make any improvement or modification without prior notice. The English version serves as the final reference on all products and operational details should any discrepancies arise in other languages.

Limited warranty

Limited warranty (U.S.)

What your warranty covers:

- Defects in materials or workmanship.

For how long after your purchase:

- One year from date of purchase for labor and parts
- The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.

What we will do:

- Pay any Authorized RCA Audio Service Center the labor charges to repair your unit.
- Pay any Authorized RCA Audio Service Center for the new or, at our option, refurbished replacement parts required to repair your unit.

How you get service:

- Take your unit to any Authorized RCA Audio Service Center. To identify your nearest Authorized RCA Audio Service Center, ask your dealer, look in the Yellow Pages, or call 1-800-336-1900.
- Show the Authorized Service Center Representative your evidence of purchase date or first rental.
- Pick up your unit when repairs are completed.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

What your warranty does not cover:

- Customer instruction. (Your Owner's Manual describes how to install, adjust, and operate your unit. Any additional information should be obtained from your dealer.)
- Installation and related adjustments.
- Signal reception problems not caused by your unit.
- Damage from misuse or neglect.
- Cleaning of audio heads.
- Batteries.
- A unit that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- A unit purchased or serviced outside the U.S.A.
- Acts of nature, such as but not limited to lightning damage.

Product Registration:

- Please complete and mail the Product Registration Card packed with your product. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

Limitation of Warranty:

- THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.

- REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. THOMSON INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF INDIANA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

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How State Law relates to warranty:

- Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your unit outside the United States:

- This warranty does not apply. Contact your dealer for warranty information.

Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.