RCA

RTS202

It is important to read this instruction book prior to using your new product for the first time.

Il est important de lire ce manuel d'instructions avant d'utiliser votre nouveau produit pour la première fois.

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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

WARNING:
Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.
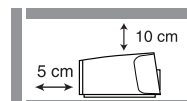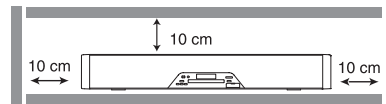
This product complies with DHHS Rules 21 CFR Subchapter J. Applicable at the date of manufacture.

This system has earned the ENERGY STAR.

Important Information

For your safety
The AC power plug is polarized (one blade iswider 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.
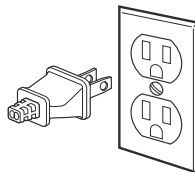
Caution:
To prevent electric shock, match wide blade of plug to wide slot of power outlet, then fully insert.

Removing the power plug is the only way to completely remove power from your product. Make sure the power plug remains easily accessible.

Note:
This unit 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 player, this player cannot play the disc. The Region number for this DVD player is Region 1.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

SEE MARKING ON BOTTOM/BACK OF PRODUCT

The lightning flash with an arrowhead symbol, within the equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to cause an electric shock.

The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in this owner's manual.

Caution

Invisible laser radiation when open. Avoid exposure to beam. Class 1 laser product. This system must be opened only by qualified technicians to prevent accidents caused by the laser beam.

CLASS 1 LASER PRODUCT

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.

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.

DVD copy protection

In accordance with the DVD standard, your DVD player is equipped with a Copy Protection system, which can be switched on and off by the DVD disc itself, in order to make any recording of the relevant DVD disc onto a videotape of very poor picture quality, or even impossible. This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home use only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Important battery information

• Do not mix different types of batteries or new and old batteries. Do not use rechargeable batteries.
• In order to avoid any risk of explosion, observe the polarities indicated inside the battery compartment. Replace only with the type of batteries specified. Do not dispose of them in a fire or recharge them.
• If you are not using the remote control for a long period of time, remove the batteries.
• Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

Please respect the environment and prevailing regulations. Before you dispose of batteries or accumulators, ask your dealer whether they are subject to special recycling and if they will accept them for disposal.

Illustrations contained in this document are for representation only.

Caution

• 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.

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

WARNING
To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. No objects filled with liquids, such a vases, should be placed on the apparatus.

Important Safety Instructions

Please read and save for future reference

Some of the following information may not apply to your particular product; however, as with any electronic product, precautions should be observed during handling and use.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators,heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 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.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- 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.

Portable Cart Warning

- Unplug this apparatus during lightning storms or when unused for long periods of time.
- 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.

Additional safety information
- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Always leave sufficient space around the product for ventilation. Do not place product in or on a bed, rug, in a bookcase or cabinet that may prevent air flow through vent openings.
- Do not place lighted candles, cigarettes, cigars, etc. on the product.
- Connect power cord only to AC power source as marked on the product.
- Care should be taken so that objects do not fall into the product.
- Do not attempt to disassemble the cabinet. This product does not contain customer serviceable components.

If your product operates on batteries, adhere to the following precautions:
A. Any battery may leak electrolyte if mixed with a different battery type, if inserted incorrectly, or if all batteries are not replaced at the same time.
B. Any battery may leak electrolyte or explode if disposed of in fire or an attempt is made to charge a battery not intended to be recharged.
C. Discard leaky batteries immediately. Leaking batteries can cause skin burns or other personal injury. When discarding batteries, be sure to dispose of them in the proper manner, according to your state/provincial and local regulations.
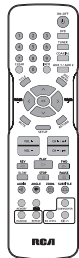
Table of Contents

EN

Connections and Setup

Accessories provided

Remote control and
2xAAA batteries

Subwoofer

Wall Mounting Hardware
Wall-mounting must be carried out by professional home theater installers. Additional or alternative parts may be needed for certain type of wall constructions.
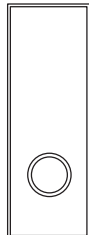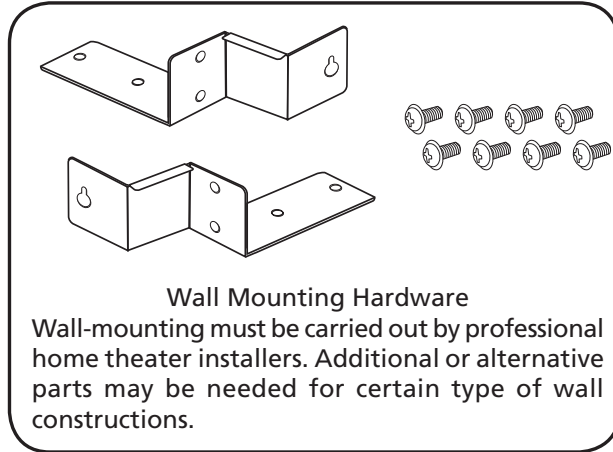
External AM
loop antenna
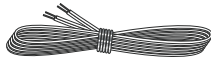
Subwoofer
speaker wire

FM Pig-Tail
antenna wire
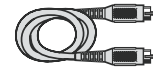
Composite
Video Cable

Things to consider before you connect
- Ensure that the mains supply in your house complies with that indicated on the identification sticker located on the back of your unit.
- Install your unit horizontally, away from any source of heat (fireplace) or appliances creating strong magnetic or electric fields. The components of this unit are sensitive to heat. The maximum ambient temperature should not exceed 35°C/95°F.
- Leave enough space around the unit to allow adequate ventilation: 10 cm/4 inches on either side and above the top, and 5 cm/2 inches at the rear.

- The humidity of the room should not exceed 75%. If you have to use the unit outdoors, do not expose it to rain or splashing water. The apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.
- Moving the unit from a cold place to a warm one can cause condensation on some components inside the unit. Let the condensation disappear on its own before turning the unit on again.
- Before moving the unit, make sure the disc tray is empty.
- Where the mains plug or an appliance coupler is used as a disconnect device, the disconnect device shall remain readily operable.
- Other important use and cleaning information at the end of the booklet.

2

Connecting the antennas
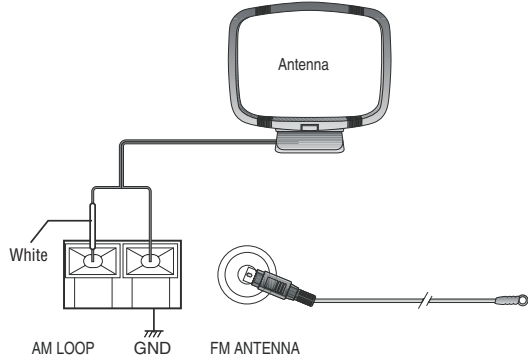
The AM and FM antennas connect to the AM and FM terminals on the system's back panel. They must be hooked up in order to receive clear reception.

AM Loop Antenna
1. Uncoil the AM Antenna wire.
2. Press down on the Antennas tab to open the terminal.
3. Make sure the white wire on the AM loop antenna is inserted into the AM loop terminal and the other wire is inserted into the ground loop terminal.

Connecting AUDIO from external sources such as TV (Aux-In)

Using AUDIO IN (AUX 1) jacks
Connect the AUDIO IN (AUX 1) jacks from the rear panel of the unit to the AUDIO OUT jacks on VCR, TV, Set Top Box or other component.
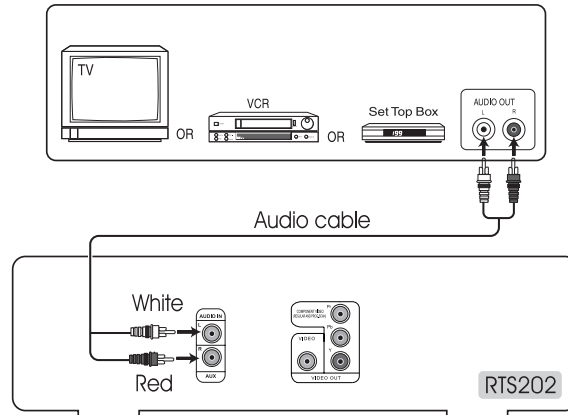
Using AUDIO IN (AUX 2) jacks
Connect the AUX IN (AUX 2) jacks on the front panel of the unit to the AUX OUT (AUDIO OUT) jacks on VCR, TV, Set Top Box or other component.
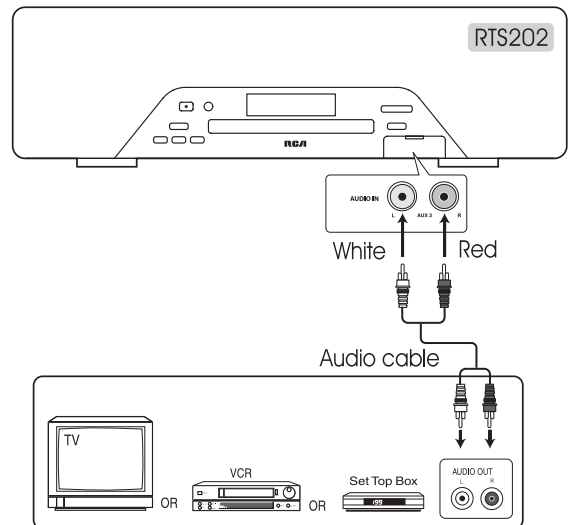
- Audio cables (color-coded in red and white) (not included) are required.
- To listen to the audio input from the connected component, press SOURCE on the main unit or AUX1/2 on the remote control to select AUX 1 or AUX 2 mode.

EN

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Connections and Setup

Connecting to your TV

Method 1
Component video jacks (Pr, Pb, Y)
- The component video jacks are color-coded green, blue and red.
- Additional component video cables (not supplied) are required to provide best picture quality. They are usually color-coded green, blue and red.
- Connect the component video OUT jacks on the receiver to the component video IN jacks on your TV so the video content goes from the receiver to the screen.

Method 2
Composite video jack (yellow)
- The basic video jack is color-coded yellow.
- Video cable (yellow) is supplied for the connection for good picture quality.
- Connect the video OUT jack on the receiver to the IN jack on your TV so the video content goes from the receiver to the screen.

TV

VIDEO IN

HDMI

VIDEO IN

Pr
Pb
Y

Method 3   **Method 2**   **Method 1**

HDMI cable   Video cable   Component video cable

RTS202   HDMI OUT   VIDEO OUT   Red Blue Green
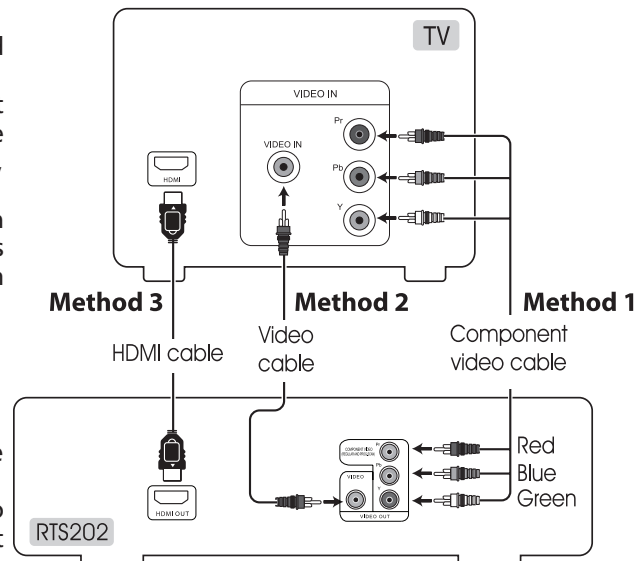
- If your television is a high definition television, use the unit's progressive scan output to get the highest possible video resolution. Set the Progressive Scan option in the Video menu to On.
- If one of the devices is not working, check that all the cables have been inserted properly into the jacks.
- If your component has only one input for audio (mono), connect it to the left (white L/Mono) audio jack on the TV and don't connect the right audio part of the cable.

Method 3
HDMI
- HDMI stands for High Definition Multimedia Interface. HDMI transfers digital audio and uncompressed digital video on a single cable.
- Press the HDMI button on the remote control to change output signals as follows: 480p, 720p, 1080i and 1080p.

- Refer to the owner's manual of the connected TV as well.
- When using HDMI cable, do not connect to other analog video outputs.
- When using HDMI cable, set the HDMI Audio to PCM.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC.

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Connecting the subwoofer

Press down the tab to open the terminal and insert the subwoofer speaker wire (included). Release the tab to lock wire in the terminal.

Subwoofer

SUBWOOFER
+ 8Ω −

1 Insert
Press

2
Release
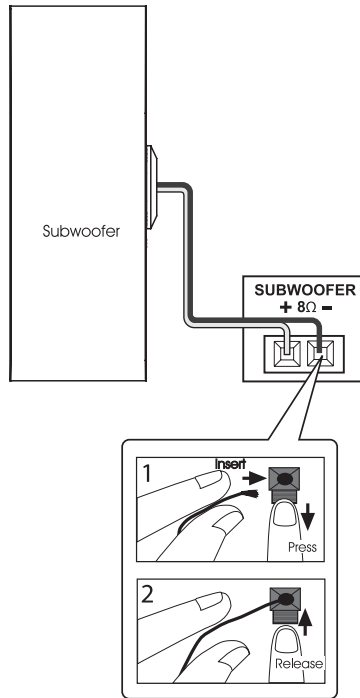
Positioning the subwoofer

A subwoofer is designed to reproduce powerful low bass effects (explosions, the rumble of spaceships, etc.).

It can be placed either vertically or horizontally. For best effects, allow at least two inches of clear space over the speaker driver and the port hole.
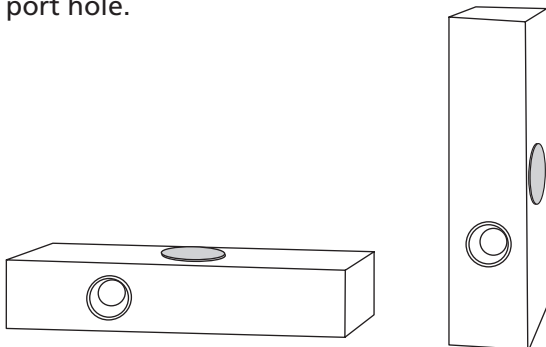
Note: It is not recommended to place the subwoofer near the TV set.

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 Digital Audio Input
The coaxial digital audio input accept Dolby Digital (AC-3) or PCM signals when compatible components are connected. Typical compatible devices include DVD players, Cable or Satellite set top boxes.

2. Subwoofer Audio Out
To furthur enhance bass effects, connect another powered subwoofer (not supplied) by connecting an RCA cable (not supplied) from SUBWOOFER AUDIO OUT to the powered subwoofer. If you connect another powered subwoofer, you must disconnect the supplied subwoofer speaker to avoid interference.

1

SUBWOOFER
+ 8Ω −

AUDIO IN
L
R
AUX 1

COAXIAL
DIGITAL AUDIO IN

SUBWOOFER
AUDIO OUT

HDMI OUT

COMPONENT VIDEO
REDGREEN/PROGZONE
Pr
Pb
VIDEO
Y
VIDEO OUT

2

5
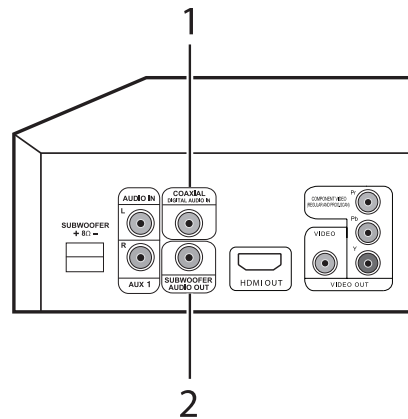
Connections and Setup

Using the wall mount bracket

Use the wall mounting hardwares (supplied) to secure the brackets into your soundbar.

Hanging holes
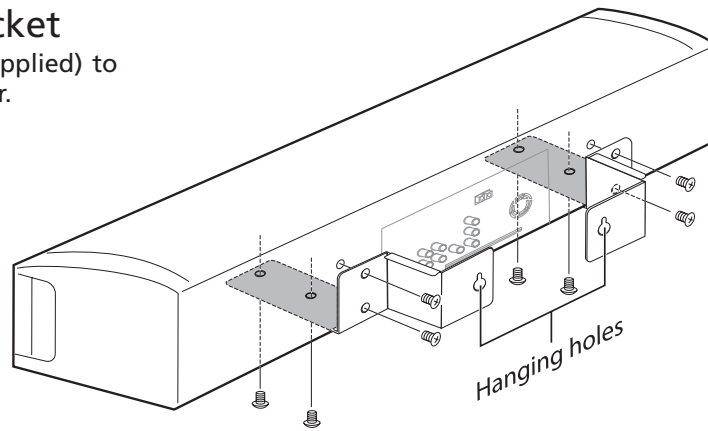
Install the soundbar to the wall

Use the 1:1 Wall Mount Template (supplied) to drill holes on the wall.

Recommend to use below hardwares to hang the soundbar:
a. 2 pcs. woodscrews Dia. 4x40mm
b. 2 pcs. washers Dia. 4mm

wall

1:1 Wall Mount Template

drill here
Washer
Wood screw
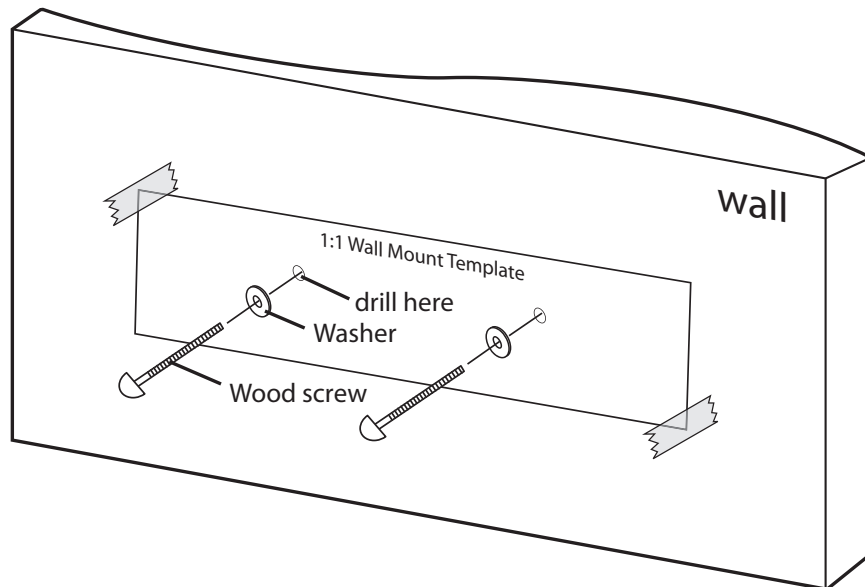
• Wall mounting are recommended to carry out by professional home theater installers Additional or alternative parts may be needed for certain type of wall constructions.
• Before hanging to the wall, please make all connections.

6

Overview of Controls

Front panel controls
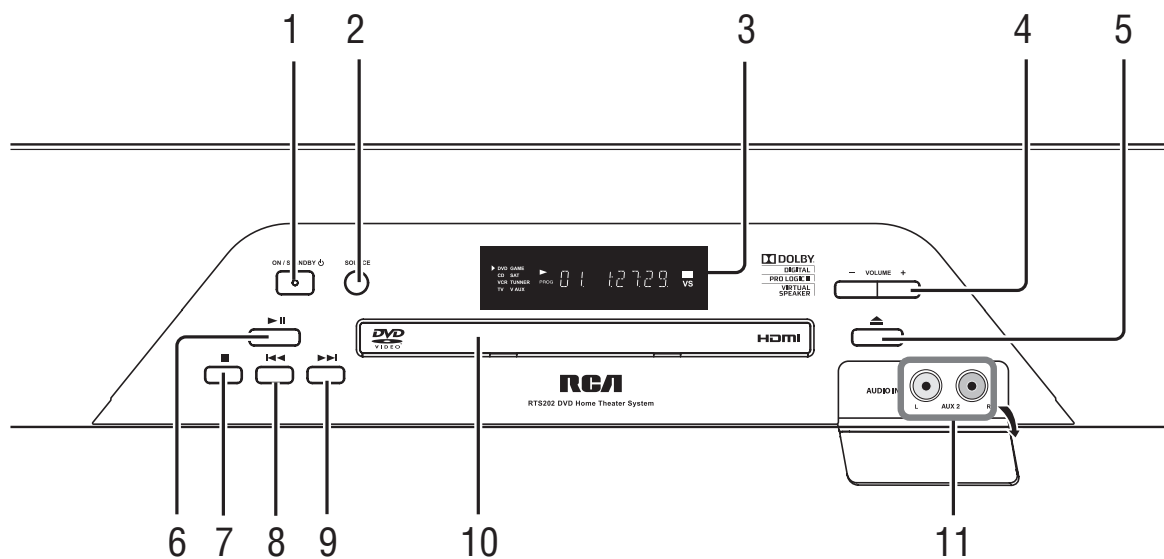
1. **ON / STANDBY** – Switches the unit on and standby.
2. **SOURCE** – Selects the input sources. Press repeatedly to select:
   DVD – to watch DVD videos
   AUX 1 or AUX 2 – to listen to the audio input from the connected TV, VCR or Set Top Box.
   TUNER – to listen to the radio
   COAXIAL – listen to a connected device (e.g. Set Top Box) with coaxial digital audio output to enjoy digital audio sound from the connected device.
3. **Display Lens** – display unit's information.
4. **Volume +/- button** – adjusts the volume.
5. **Open/close button** – open and closes the disc tray.
6. **Play/pause button** – starts/pause playing a disc.
7. **Stop button** – stops disc playback.
8. **REV button** – directly accesses the previous chapter (DVD) or track (CD).
9. **FWD button** – directly accesses the next chapter (DVD) or track (CD).
10. **Disc tray**
11. **AUDIO IN (AUX 2) jacks** – connects audio devices.

Remote control functions

ON•OFF – Switches the unit on and standby.

DVD – Selects the DVD mode.

TUNER – Selects the TUNER and selects between FM/AM. In FM mode, press and hold TUNER to enter into "Auto Preset Programming".

COAXIAL – Selects the coaxial mode.

AUX 1/2 – Selects the Auxiliary input (for listening to audio input from connected TV, VCR or Set Top Box) at front or rear panel.

0-9 – Number entry.

CLEAR – Quits the current setting manually from the TV screen without saving change.

INFO – Accesses the Info menu.

TITLE – Accesses the title menu of DVD discs.

DISC MENU – Accesses the disc menu during playback.

OK – Confirms your selection.

∧ ∨ < > – To navigate through the menus. The left and right arrows also tune the radio frequency in the tuner mode. When viewing JPG images, use the left/right arrows to rotate the images. Up arrow rotates image vertically and down arrow rotates the image horizontally.

MUTE – Mutes and restores the sound.

SETUP – Enters Setup menu.

RETURN – In DVD mode, returns to the previous menu.

VOL +/- – Adjusts the sound volume.

CH +/ , CH –/ – Directly accesses the next or previous chapter (DVD) or track (CD). Selects programmed stations in TUNER mode.

REV – Starts reverse accelerated play or reverse slow motion.

PLAY – Starts playing a disc.

FWD – Starts forward accelerated play or forward slow motion.

STOP – Stops playback. Press and hold to open the disc tray.

PAUSE – Freezes frame, accesses frame advance.

SLOW – Accesses slow motion function.

AUDIO – Accesses the audio function; selects between Stereo and Mono mode for Tuner (FM).

ANGLE – Accesses the camera angle function for DVD disc.

ZOOM – Accesses the Zoom function.

SUBTITLE – Selects the subtitle languages or turns subtitle off (if available).

8
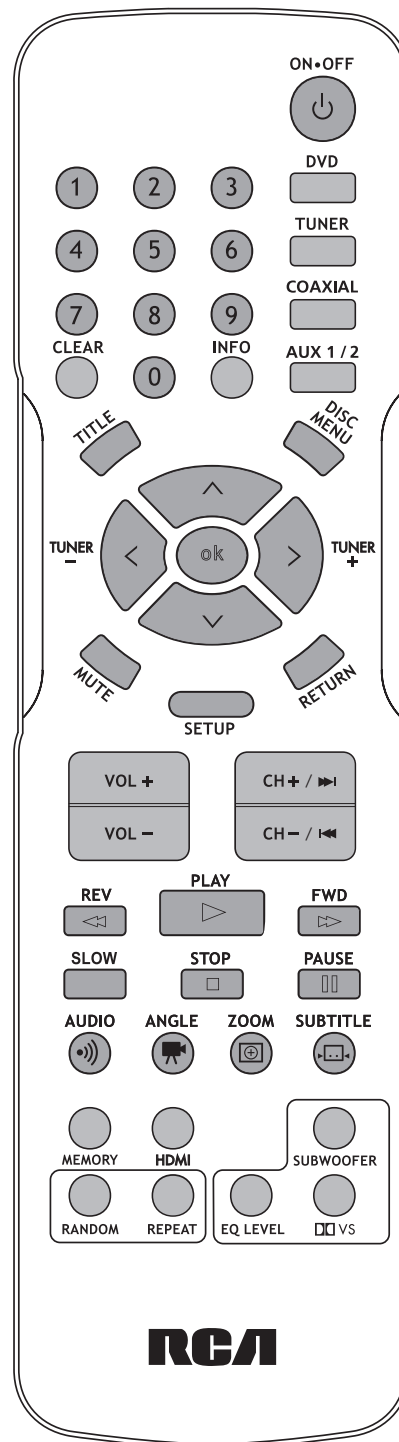
HDMI – Toggles HDMI video output signals modes (480p, 720p, 1080i or 1080p).

SUBWOOFER – Selects among subwoofer output levels (soft/balance/strong/powerful).

RANDOM – Turns on/off random playback on CDDA/jpeg discs.

REPEAT – Accesses the repeat function.

EQ. LEVEL – Toggles channels for different channel level settings. Adjusts the value using ∧ ∨ buttons.

⊡⊡ VS (DOLBY VIRTUAL SPEAKER) – Change the surround sound setting between Stereo and Dolby Virtual Speaker settings.

TUNER +/– – Tunes up and down the radio frequencies.

MEMORY – Stores a station.

Using remote control to navigate through the on-screen menus

Use ∧ ∨ < > and OK on the remote control to navigate through the on-screen displays (the DVD player's menu, the Info Display that appears during playback, or a disc's menu).

Use ∧ ∨ < > on the remote to move through on-screen menus in the direction of the arrow button (e.g., to move right, press >). The arrow buttons are used to highlight an option. Once highlighted, press OK to select the option that is highlighted.

Note:
Insert 2 "AAA"("UM-4"/"R03") batteries to the remote control prior to use.

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Playing Discs - Basic Functions

Compatible discs
• DVD, DVD-R,DVD-RW
• CD, CD-R, CD-RW

Compatible formats
• DVD, jpeg, CD

Regional coding
Your unit has been designed to process regional management information stored on DVD discs. The regional code for your unit is 1. Discs that have a different regional code will not be played.

Operating the Soundbar
1. Turn on your television set.
2. Press ON•OFF on the remote or ON/STANDBY located on the unit's front panel. Press DVD on the remote control.

Loading disc
1. Press ▲ on the front panel or press and hold STOP on the remote control to open the disc tray.
2. Insert a compatible disc into the disc slot.
3. Press ▲ again to close the disc tray.

Basic playback operations
Playback
Switch the unit and the TV set on.
1. After loading a disc, playback starts automatically, or the disc menu appears. If the disc menu appears, select the Play option to begin playback.
2. Press STOP to stop playback.

Accelerated play
While the disc is playing, press REVERSE or FORWARD one or more times to vary the speed and direction of the accelerated play. Press PLAY to resume normal playback.

Pause
While the disc is playing, press PAUSE once for freeze frame. Press PLAY to resume normal playback.

Frame advance
1. Press PAUSE twice. FRAME is displayed.
2. Press FWD to move forward one frame at a time.
3. Press PLAY to resume normal playback.

Variable slow motion
1. While the disc is playing, press PAUSE once. PAUSE is displayed.
2. Press REV or FWD a number of times to vary the speed.
3. Press PLAY to resume normal playback.

Changing chapter/track
While the disc is playing, press the CH+/- button to go immediately to the next or previous chapter, or to the next or previous track.

Zoom
1. While a disc is playing, press ZOOM until you reach the zoom size you want. The ZOOM button toggles through 2x, 3x, 4x and then zooms out to 1/2x, 1/3x and 1/4x, then returns to normal playback.
2. Move from one area to another (pan) using the arrow buttons.
3. To turn ZOOM off, press ZOOM unitil you get to the ZOOM OFF option.

Types of menus
• Disc menu — The appearance and contents of this menu varies according to the type of disc you have inserted. It is separate from the Setup menu.

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- Info menu — The unit's Info menu appears at the top of the screen while the disc is playing. Press INFO on the remote to switch the Info menu on or off.

| DVD | TT | 1/10 | CH | 1/16 | ⏱ | 0 0 : 13 : 07 |

- Setup menu — Press SETUP to access this menu.

General Setup

Password
Rating
Slide Time
HDMI Setup
HDMI Audio

Default
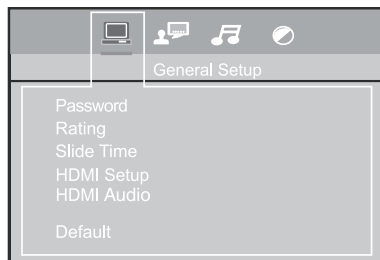
Note:
- When you press STOP, the unit stores the point where playback was interrupted. If you press PLAY again, playback resumes from this point. To stop playback completely or to start again from the beginning, press STOP twice. If the unit is left in STOP mode for more than five minutes without any user interaction, a screen saver is activated. At the end of 30 minutes without any user interaction, the unit switches off automatically.

The Info Menu

Using the Info menu

1. Press INFO on the remote while a disc is playing to display the Info menu. The first banner shows title, chapter, and time display information.
2. Press INFO again for audio language, subtitles, and camera angle.
3. Press INFO a third time for play mode, bookmark and sleep timer.
4. Use the right/left arrow buttons on the remote to select an icon.
5. Use the up/down buttons to scroll through the options.

Note:
INVALID KEY will be displayed if the function you select is not available.

DVD Info Display

| | Title | Chapter | | Time display |
| DVD | TT 1/10 | CH 1/16 | ⏱ | 0 0 : 13 : 07 |

| Audio language | Subtitles | Camera angle |
| 1/3ENG 5.1CH | 1/2 ENG | OFF |

| Play mode | Bookmark | Sleep timer |
| PLAYMODE | BOOKMARK | SLEEP |

CD Info Display

| | Track | | Time display |
| CD | TRK 1/10 | ⏱ | 0 0 : 13 : 07 |

| Play mode | Bookmark | Sleep timer |
| PLAYMODE | BOOKMARK | SLEEP |

11
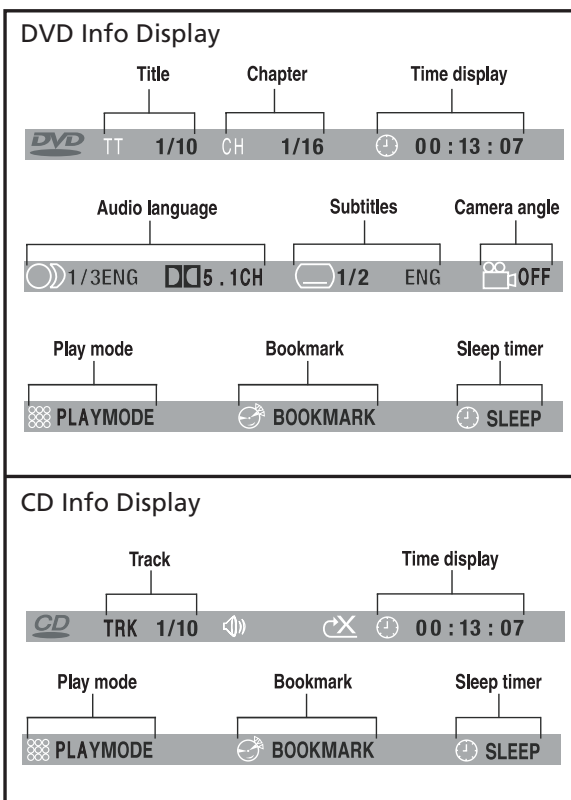
Title/chapter (DVD)/track (audio CD)

To directly access a title, chapter (DVD) or an audio CD, press INFO, press OK. Select the Title(TT), Track(TRK) or Chapter(CH) icon and enter a number directly with the numeric buttons. Press OK again to confirm.

Note: Many discs only have one title.

Time display

To access the Time Display, press INFO on the remote. Press the up/down buttons repeatedly to display:

DVD: Chapter elapsed time, Chapter remaining time, Title elapsed time and Title remaining time.

Audio CD: Track elapsed time, track remaining time, disc elapsed time, disc remaining time.

To directly access a location on the disc which does not correspond to the start of a title or chapter, press INFO once and press OK, highlight the Time Display icon using the arrow buttons, then enter a time with the number buttons (hh:mm:ss) and press OK.

Note: Time display function may not be available on all discs.

Audio (DVD)

Some discs have several audio tracks used for different languages or different audio formats.

To change the language or audio format during playback:
1. Press the INFO button twice.
2. Use the left/right arrow buttons to select the Audio icon, or press the AUDIO button on the remote control.
3. Choose a language or an audio format with the up/down arrow buttons.

This option is only available if the disc offers dialog languages or audio formats. When you change the dialog language using the Info menu, it only changes the dialog language of the disc being played. When you eject the disc or switch off the unit, the language will revert to the one you selected in the Language Setup menu (see page 15).

Subtitles (DVD)

Subtitles are turned off by default. Turn on Subtitles as follows:
1. While the disc is playing, press INFO twice, then select the Subtitles icon using the left/right arrow buttons.
2. Select a language using the up/down arrow buttons.
3. To turn subtitles off, select the Off option or press SUBTITLE on the remote.

When you change the language of the subtitles using the Info menu, it only applies to the disc currently being played. When you eject the disc and switch off the unit, the subtitles will default to the subtitle language you selected in the Languages menu (see page 15). This function may not be available on all discs.

Camera angle (DVD)

Some discs offer different camera angles for specific scenes.
1. To change the camera angle, press the ANGLE button on the remote or press the INFO button twice and select the Camera angle icon with the left/right buttons.
2. Choose the angle with the up/down arrow buttons.

Note: If the disc was recorded using a single camera angle, this function is not available.

Play mode (all discs except jpeg)
1. While the disc is playing, press the INFO button twice for a CD and three times for a DVD.
2. Select the Play Mode icon using the left/right arrow buttons.
3. Use the up/down arrow buttons to select an option.

• DVD play modes: standard, program, A-B repeat, title repeat, chapter repeat. Program play mode is only available if a program list has been created (see below). Repeat mode is only available with discs that display elapsed time and remaining time. To repeat a sequence between points A and B, choose the A-B repeat option, and then follow the instructions for entering the two points.
• Audio CD play modes: standard, introscan, random, program, repeat A-B, repeat disc, repeat track.

4. To stop repeat playback, select the Play Mode icon and use the up/down arrow buttons to choose the Standard option.

Creating a Program List for Program Play Mode (Audio CDs and DVD discs)
To use program play mode, you must first create a program list.
1. To create a program list, press the INFO button twice for CD and three times for DVD. Highlight the Play Mode option and press the up arrow to select the Program option.
2. Press OK. The Program screen is displayed.
3. The first spot in the list is highlighted. Use the number buttons on the remote to enter a track number. As for DVD discs: T stands for Title while C stands for Chapter.
4. Use the arrow buttons to move to the next spot in the list. Enter the next track number.
5. Continue entering tracks until you have completed your list.
6. Highlight the Play option at the bottom of the screen and press OK or press PLAY to start playback. The program list will play in the order you programmed it.
To stop program play, press STOP or select Standard from the Play Mode option in the INFO display.

If you want to cancel the list, repeat steps 1 and 2 to select CLEAR and press OK.

Bookmark (DVD and audio CD)
1. Press INFO twice for CDand three times for DVD. Select the Bookmark icon with the left/right buttons, and press OK. A menu is displayed with five bookmarks.
2. The first bookmark space is highlighted. Press OK to set the bookmark. The book mark is saved and is indicated by the number 1. You can set up to five bookmarks on a disc.
3. To start playback from a bookmark, press the PLAY button on the remote.
4. To delete a bookmark, highlight it and press CLEAR.

Note: This function is only available with discs whose elapsed time or remaining time appears in the Info menu.

Sleep
1. Press INFO twice for CD and three times for DVD. Select Sleep icon with the left/right arrow buttons.
2. Select one of the available options using the OK button: Off, 30, 60, 90 or 120 minutes.

Note: This function is not available in AUX, TUNER and COAXIAL mode.

Introscan (CD)
This option plays the first ten seconds of each track on a CD.
1. Press the INFO button twice, then select the Playmode icon with the left/right arrow buttons.
2. Press the up/down arrow buttons to select the INTRO option and press OK to start IntroScan.
3. Press STOP to stop Introscan, and press PLAY to resume normal playback.

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Jpeg Files

Displaying jpeg files

1. Open the disc tray.
2. Place the disc with the printed side facing up and close the disc tray.
   The folders on the disc will be listed in numerical order on the left side of the screen. When you highlight a folder, the list of pictures in the folder are listed in numerical order on the right side of the screen.
3. Select a folder using the up/down arrow buttons on the remote, then press the left arrow button to move to the picture icons at the bottom of the screen. Use the left/right arrow buttons to select picture mode.
4. Press the up arrow button to move to the file list on the right side of the screen. Use the up/down arrow buttons to select a file. Press OK to open a file or press PLAY to start a slide show.
5. The unit starts the slide show with the jpeg file you have selected, then displays all the jpeg files in the same folder, then all the jpeg files in the subfolders located in the same folder. You can set the amount of time a picture remains on the screen in the General Setup menu.

6. During the slide show you can use the left/right button to rotate the picture, the up arrow button to rotate the image vertically, the down arrow button to rotate the image horizontally. Use the ZOOM button to magnify the picture. Use the CH- button to go back to the previous picture or the CH+ button to go to the next one, and the STOP button to interrupt the slide show and display the disc's contents.
7. Press INFO to display the Info menu during playback.
8. When the unit has played all the files, the slide show stops and the disc's contents are displayed again.
9. Press STOP to end playback.

Notes:
• The time taken for the contents of the disc to be displayed varies according to the size and number of jpeg files on the disc. If nothing is displayed after a few minutes, the file sizes may be too large. Reduce the files resolution and write another disc.
• Before inserting a disc, make sure it is compatible with the unit.

Aux-in

TV, VCR or Set Top Box can be connected to AUX input jacks (at front panel and at the rear panel) of the unit so that sound from the auxiliary component comes into the unit and out through the speakers.

Connecting auxiliary components
Refer to "Connecting to external audio sources (Aux-In)" for details on connecting the auxiliary components to the unit.

Selecting Aux-In mode
Press either SOURCE on the main unit or AUX1/2 on the remote control to select AUX 1 or AUX 2 mode.

Sound output in Aux-In mode
• You may toggle between Dolby Virtual Speaker mode and stereo mode by pressing " □□ VS " button on the remote.

• Refer details on Dolby Digital and Dolby Virtual Speaker.

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Radio

The unit has a built-in tuner that allows for FM radio function. The AM loop antenna allows for AM radio function.

Manual tuning

1. Connect the FM antenna and the AM loop antenna at the back of the unit. Rotate the AM loop for better reception.
2. Press TUNER.
3. Tune a station by pressing TUNER+/- repeatedly until the desired station is found. Alternatively, you can press and hold the same buttons down for about one second to activate the automatic search function. In this mode the unit will automatically tune frequencies until it finds a station.
4. Repeat step 3 to tune to another radio station.
5. Press TUNER to toggle between FM and AM.

Storing radio stations

The unit can store up to 30 radio stations in its memory. You can enter every single radio station yourself or the unit can store all available radio stations automatically in ascending order.

Automatic preset programming

1. Press TUNER to enter the Tuner mode and select FM.
2. Press and hold TUNER for a few seconds to start automatic preset programming.
3. Radio frequencies will be browsed and radio stations stored automatically. When all the available radio stations are stored or all 30 memory locations are full, the auto preset programming function will stop.

Manual preset

1. Tune to a radio station (see "Manual tuning" for details).
2. Press MEMORY. While the Program Preset number is still flashing, input your desired preset number using the numeric buttons or press the CH+/- buttons, then press MEMORY to store it.

Retrieving preset stations

1. Press TUNER to enter the Tuner mode.
2. Press CH +/- to search up or down for the preset stations or directly press the numeric buttons.

EN

Tips:
- When the FM station broadcasts Stereo sound is found, ST is displayed.
- When you manually tune into a weak FM station, press AUDIO on remote control to switch from Stereo to Mono mode. This will reduce the background noise.
- If there is any interference, change the antenna's position until ideal sound reception is obtained. TV and other electronic devices could be the cause of interference, so try to position the antenna away from them.
- A weak signal can affect the "Automatic preset programming" function's efficiency. Adjust the antenna for better reception and a more efficient search.

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The Setup Menu

There are four options in the main setup menu: General Setup, Language Setup, Audio Setup and Video Setup.

Press SETUP to bring up the main menu. Select one of the menu icons across the top of the screen using the left/right arrow buttons. The menu's options are displayed on the left side of the screen. Press the Up, Down, Left and Right arrow button to move to the option's choices on the right. Press SETUP if you want to exit setup.
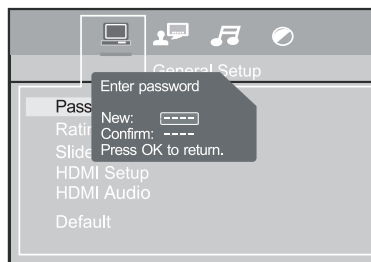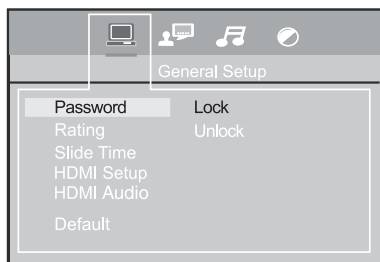
General Setup

You can control access to the unit and the type of discs your family can watch with the lock function. Locking the unit prevents playback of DVDs that may not be suitable for all audiences by using the rating level encoded on the disc (not all discs are rated). If the rating level of the disc is higher than the preset level, playback is prohibited unless a password is entered.

```
                              General Setup

Password
Rating
Slide Time
HDMI Setup
HDMI Audio

Default
```
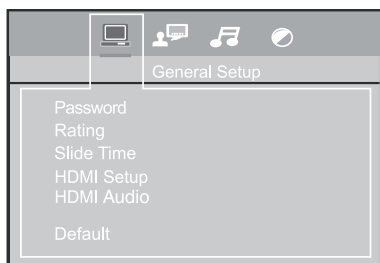
Password for Locking the Unit
1. To activate locking according to your preset rating limits, highlight the PASSWORD option using the up/down arrow buttons and select LOCK and press OK.
2. You are asked for a new password. Enter four digits using the number buttons.
3. You are asked for confirmation; enter the four digits again and press OK.

```
                              General Setup

Password        Lock
Rating          Unlock
Slide Time
HDMI Setup
HDMI Audio

Default
```

```
                              General Setup

Pass      Enter password
Rati      New:     [----]
Slide     Confirm: ----
HDMI Setup  Press OK to return.
HDMI Audio

Default
```

Password for Unlocking the Unit
1. To unlock the unit or set a new password, highlight the PASSWORD option using the up/down arrow buttons, select UNLOCK and press OK.
2. Enter your password and press OK.

Changing the Password
When you unlock the unit, you must assign a new password the next time you lock the unit.
To change the current password, unlock the unit as described above, and then relock it.

Notes:
• Choose a password that is easy to remember, or write it down.
• Use the super password: 9688 if you have forgotten your password.

Rating Explanations
• The disc publisher is responsible for coding scenes according to the rating limits. Below is an explanation of Ratings.
• To change the rating limit, highlight the RATING option and press the right arrow button. Select the rating limit using the up/down arrow buttons and press OK.
• Rating limits take affect only when the unit is locked.

1 Kid safe – Kid safe; it is safe even for kids.
2 G – General Audience; recommended as acceptable for viewers of all ages.
3 PG – Parental Guidance suggested.
4 PG13 – Material is unsuitable for children under age 13.
5 PG-R – Parental Guidance-restricted; recommended that parents restrict children under age 17 from viewing or allow children to view only when supervised by a parent or adult guardian.
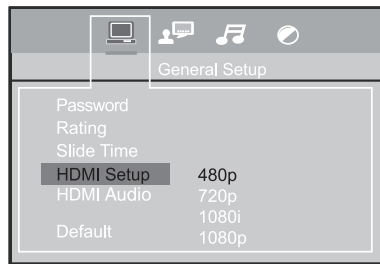6 R – Restricted, under 17 requires accompanying parent or adult guardian.

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7 NC-17 – NO children under age 17; not recommended viewing for children under age 17.
8 Adult – Mature material; should be viewed only by adults, due to graphic sexual material, violence, or language.

Slide Time
The Slide Time option lets you select the amount of time a picture is displayed in a slide show. The choices are 3 seconds, 5 seconds, or 10 seconds.

HDMI Setup
This lets you select the resolution of the player's output according to the connected TV.

General Setup

Password
Rating
Slide Time
HDMI Setup   480p
HDMI Audio   720p
              1080i
Default   1080p

• Supported HD JPEG mode: 480p, 720p, 1080i and 1080p.

HDMI Audio
Select the output sound format corresponding to your system connection. When making connection to a TV, or Dolby Surround Pro Logic or stereo system via the analog audio jacks, select PCM or RAW.

RAW : Does not have a Dolby Digital Decode.

PCM : Select when connected to a 2 channel digital stereo amplifier.

• If apply HDMI connection to TV, make sure to select PCM, audio signal passing to TV via HDMI cable.

Default
This option allows you to return the unit's settings to the original factory settings. Any changes you have made to the unit's settings will be reverted back to the original settings, except the password.

Language Setup
With this menu, you can set the language for unit menus, dialog, subtitles and the disc menus.

If you chose "English" during initial set-up, any menus generated by the disc are in English, and so is the language of the dialogs (if this language is available on the disc).

Language Setup

Player Menu
Audio
Subtitles
Disc Menu
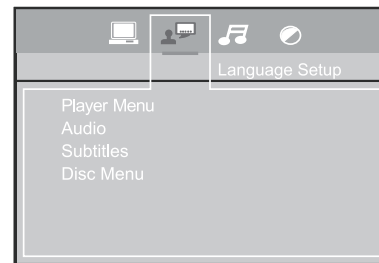
1. Select the Language Setup icon in the main menu using the left/right arrow buttons.
2. Select one of the options using the up/down arrow buttons.
3. Press the right arrow button to move to the language choices.
4. Use the up/down arrow buttons to highlight the language of your choice and press OK.

Player Menu
Select the language of player menus and press OK.

Audio
Select the dialog language using up/down arrow buttons and press OK.

To change the Audio language during playback, press INFO twice for DVD and use the left/right arrow buttons to highlight the Audio icon.

Press the up/down arrow buttons or AUDIO on the remote control to select audio language.

Subtitles
Select the subtitle language using up/down arrow buttons and press OK.

To change the language of the subtitles during playback, press INFO twice for DVD and use the left/right arrow buttons to highlight the Subtitle icon. Press the up/down arrow buttons or the SUBTITLE button on the remote to select a subtitle language.

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Disc Menu

To change the language of the disc menus, select the language using the up/down arrow buttons and press OK.

The language you select will only be displayed if the disc is programmed with that language.

Notes:
• If the selected language is not available on a disc, the disc's language will be used instead.
• If the language chosen is available, it is automatically selected when you display the subtitles or press SUBTITLE on the remote control. Otherwise, the subtitle language indicated on the disc is selected.

Audio Setup

You can adapt your unit to other equipment and access specific functions with the Audio Setup menu.
1. Select the Audio Setup icon in the main menu using the left/right arrow buttons.
2. Select an option using the up/down arrow buttons. Press the right arrow to move to the option's choices.

Audio Setup

Dynamic Range
Test Tone
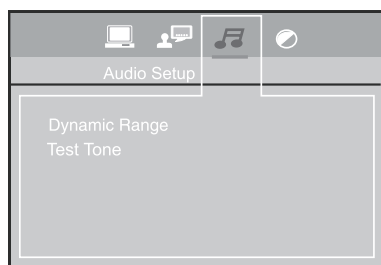
Dynamic Range

You can select the dynamic range as follow:
Full, 6/8, 4/8, 2/8 or off

• When a dynamic range is set, volume may be low.

Test Tone

This function is used to test the speakers level.

Select Test Tone, press OK to start, a short noise comes successively from each speaker (Front-Left, Center, Front-Right & Subwoofer).
Press OK to exit.

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Video Setup

1. Select the Video icon in the main menu using the left/right arrow buttons.
2. Select a menu option using the up/down arrow buttons and press OK.

Video Setup

Video
TV Type
Brightness
Contrast
Hue
Saturation

Video

Progressive Function provides high quality pictures with less flickering. Turn on Progressive Scan if you used the Component Video jacks of the unit to connect a TV or monitor compatible with a progressive scan signal.

Select P-Scan YPbPr and press OK to activate Progressive Scan.

TV Type

Depending on the format of the DVD disc, you can choose the picture format (aspect ratio) best suited to the format of your TV screen:
• 4:3 PS: reproduces a 4:3 picture without distortion.
• 4:3 LB: gives best reproduction of pictures recorded in this format (i.e. with horizontal bands at the top and bottom of the screen) or in 16:9.
• 16:9 (widescreen): reproduces 16:9 format films in full on a 16x9 screen.

Brightness

This option lets you adjust the video brightness level on a scale of 0 to 12, with 12 being the brightest.

Contrast

This option lets you to sharpen the picture quality.

Hue

This option lets you adjust the hue of the picture.

Saturation

This option lets you adjust the color saturation of the picture.

IMPORTANT!

Once Progressive Scan has been activated, an image will only be visible on a progressive scan TV or monitor. If you choose this option and you do not have a progressive scan TV or monitor, you may get a picture with incorrect color or no color.

Surround Sound Effects

Dolby Digital
Dolby Digital is a technology developed by Dolby Laboratories. Soundtracks encoded in Dolby Digital can reproduce from one to 5.1 discrete channels of excellent quality audio.

The unit automatically recognizes the Dolby Digital bitstream and provides a downmix suitable for two-channel listening.

Dolby Virtual Speaker
This unit is equipped with Dolby ® Virtual Speaker Technology. This feature simulates a highly realistic 5.1-speaker surround sound listening environment without the need for rear surround speakers. Combined with Dolby ® Pro Logic II processing and Dolby Digital technology, this unit delivers a virtual surround listening experience from any high-quality audio source.

DOLBY.
DIGITAL
PRO LOGIC II
VIRTUAL SPEAKER

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

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Additional Information

Troubleshooting

The unit does not switch on.
• Make sure it is plugged in.
• Press the ON•OFF button on the remote control or the ON/STANDBY button on the front of the unit.

The device switches off spontaneously.
• The device switches off automatically when it is in STOP mode for more than 30 minutes without any user intervention. Switch it on again.
• It might be impossible to read the disc.
• Insert the disc with the printed side facing up.
• Check that the disc can actually be played by this device.
• Check that the disc's regional code matches the unit's regional code. This unit's regional code is 1.
• Clean the disc.

There is no picture.
• Check you have switched on the TV set.
• Check the connections.
• Select the AV input assigned to the unit on the TV.

The picture is of poor quality (with snow or lines).
• Check the connections.

There is no sound or the sound is of poor quality.
• Check the connections.
• Make sure the MUTE function is not on.

I can't find my file in the jpeg listing.
• Make sure the filename is valid.

The remote control does not work or works only intermittently.
• Check that batteries are inserted or change them.
• Aim the remote control at the unit. The infrared beam must not be blocked or interrupted.
• Check that the remote control is configured to control the device you are trying to operate with it.

The subtitles do not appear.
• Check that the DVD disc provides subtitles.
• Refer to the section on how to display subtitles.

The disc menu language is not the correct one.
• The disc menu language has not been set up.
• The language of your choice is not available on the disc.

You have forgotten your password (Parental control).
• Use the super password: 9688.

Precautions

Use
• If your unit has been stored in a cool place for any length of time, during a journey for example, wait for about 2 hours before using it.
• The openings located on the top and bottom are for ventilation and must not be obstructed.
• During thunderstorms, we recommend that you isolate the unit from the electrical supply so that it is not damaged by electrical or electromagnetic surges.
• This unit is designed for continuous use. Switching off the unit to standby mode does not disconnect it from the mains supply. To completely isolate the equipment, remove the plug from the mains jack as some components remain connected to the electrical supply.
• If you notice any burning or smoke, disconnect the unit immediately to avoid any risk of electrocution.
• Do not attempt to look inside the unit through the disk tray opening or any other opening. You may be electrocuted or exposed to laser radiation.
• This unit is for domestic use only and must not be used for industrial purposes.
• Total or partial copying of recordings protected by copyright legislation, without the explicit permission of the holder of the rights, contravenes current legislation. Copying or downloading music files for sale or any other business purpose constitutes or could constitute a violation of copyright law.

Cleaning
• Use a soft, dry, clean cloth. Regularly dust the vents at the back or sides.
• Using solvents, abrasive or alcohol-based products risks damaging the unit.
• If an object or liquid enters inside the unit, unplug it immediately and have it checked by an authorized servicer or service center.

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Handling and caring for discs
- Handle your discs with care. Hold the disc with your fingers at the edges or through the hole.
- Insert the disc with the label facing up (for a single-sided disc).
- Place the disc properly into the tray in the allotted holder.
- Use a soft cloth to clean discs if necessary, always wiping from the centre to the edge.
- Always put discs back in their cases after use and store in a vertical position.
- Do not close the tray with two discs in it or with a disc not sitting correctly in the holder.
- Do not play cracked, chipped or warped discs nor try to repair them with adhesive tape or glue.
- Do not write on a disc.
- Do not move the unit when a disc is being played.
- Do not scratch discs or store them in places exposed to direct sunlight, high humidity or high temperatures.
- Do not use aerosol cleaners, benzene, anti-static liquids or any other solvent for cleaning discs. When cleaning, wipe gently with a soft damp (water only) cloth from the centre to the edge, avoiding circular motions, which could cause scratches and interference during playback.

Compatible Formats

In order to ensure playback, discs must conform with DVD and CD standards. This unit may not play some recordings or files due to differences in recording formats, software used and disc types.

DVD-Video

Digital video discs - 12 cm, single or double sided, single or dual layer. DVDs are high density optical discs on which high quality picture and audio are recorded by means of digital signals.

DVD-R, DVD-RW

Most DVD-R (one recording only) and DVD-RW discs (rewritable), depending on the DVD writer and discs used. Recordings using DVD-R and DVD-RW discs must be made in Video DVD mode.

Audio CDs

Audio CDs (12 cm).

CD-R, CD-RW

Most CD-R (one recording only) and CD-RW discs (rewritable).

CD-Rs written during a multisession recording can be played, provided that the session has ended before the disc is played (depending on the write software).

However, depending on the condition of the CD-writer, computer and the disc used, you may find that not all discs will play. When playing a CD-R disc, it is normal for the unit to take up to 20 seconds to recognize the disc before starting to play.

If the disc is not recognized after a period of 20 seconds, remove the disc, and insert it again.
- Do not use its full capacity.
- CD-Rs should be preferably used instead of CD-RWs (rewritable CDs) as, in certain cases, CD-RW playback may be faulty.
- Use reliable, good-quality CD write software.
- Close all other applications on the computer to ensure reliable CD-R disc recording.

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Additional Information

Compatible Formats

Jpeg files
CD-R and CD-RW with jpeg files. Certain jpeg files, including progressive jpeg files, cannot be read by this unit.

The total number of files and folders on the disc should be less than 650. Make sure that files have the ".jpg" extension. Files without the ".jpg" extension will not be able to be read by the unit — even though the files are shown as jpeg images on your computer.

Technical Specifications:

Amplifier Section:
RMS Output Power: DVS (Dolby Virtual Speaker) Mode with 10% Total Harmonic Distortion
Front and Center Channel: 50 Watts each Channel (1KHz, 8Ohm)
Subwoofer Channel: 50 Watts
(100Hz, 8Ohm)
Total RMS Output Power, DVS (Dolby Virtual Speaker) mode: 200W

FTC Output Power: DVS (Dolby Virtual Speaker) Mode with 10% Total Harmonic Distortion
Front Channels (L and R): 38 Watts per Channel (1KHz, 8Ohm)
Center Channel: 38 Watts (1KHz, 8Ohm)
Subwoofer Channel: 50 Watts
(100Hz, 8Ohm)
Total FTC Output Power, DVS (Dolby Virtual Speaker) mode: 165 Watts

Muting Attenuation: 70 dB
Frequency Response: 160Hz – 20KHz +/-3dB, 1KHz ref.
Subwoofer Frequency Response:
20Hz – 160Hz +/-3dB, 100Hz ref.
Signal to Noise Ratio: 70 dB

AM Tuner Section:
Frequency Response: 2kHz +/-3dB, 400Hz ref.
Usable Sensitivity: 3000uV/m @ S/N 20dB
Signal to Noise: 38dB
IF Rejection: 35dB

FM Tuner Section:
Frequency Response: 6kHz +/-3dB, 1kHz ref.
Quieting: 24dB
Signal to Noise: 60dB(stereo/mono)
IF Rejection: 70dB

Dimensions (W x D x H mm) :
Soundbar: 930 x 190 x 104
Subwoofer: 124 x 198 x 538

Specifications and external appearance are subject to change without notice.

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Limited Warranty

AVC MULTIMEDIA ("AVC") makes the following limited warranty. This limited warranty extend to the original consumer purchaser and is limited to non-commercial use of the product.

One Year Parts & Labor Warranty
AVC products purchased in the United States are warranted to be free from defects in materials or workmanship for a period of one year from the date of their original retail purchase. If the unit fails to conform to this warranty, we will service the product using new or refurbished parts and products, at **AVC's** sole discretion.

During a period of one year from the effective warranty date, **AVC** will provide, when needed, service labor to repair a manufacturing defect at its designated Service Center. To obtain warranty service in the Untied States, you must first call our **Customer Support Center at 1-800-506-5746 or 1-800-252-6123, during the hours listed in the box below.** The determination of service will be made by AVC Customer Support. **PLEASE DO NOT RETURN YOUR UNIT TO AVC WITHOUT PRIOR AUTHORIZATION.** New or remanufactured replacements for defective parts or products will be used for repairs by AVC at its designated Service Center for one year from the effective warranty date. Such replacement parts or products are warranted for an additional one year from the date of repair or replacement. The Customer will be required to ship the unit to the Service Center indicated at the time Customer Support is contacted to make the necessary repairs. The customer is responsible for all transportation charges to the service facility.

Packaging and Shipping Instruction
When you send the product to the **AVC** service facility you must use the original carton box and packing material or an equivalent as designated by **AVC**.

LIMITED WARRANTY

Your Responsibility
(1) You must retain the original sale receipt to provide proof of purchase.
(2) These warranties are effective only if the product is purchased and operated in the U.S.A. or Canada.
(3) Warranties extend only to defects in material or workmanship, and do not extend to any product or parts which have been lost or discarded, or damage to product or parts caused by misuse, accident, improper operation or maintenance, or use in violation of instructions provided with the product, or to product which has been altered or modified without authorization of **AVC**, or to products or parts thereof which have had the serial number removed or changed.

Out of Warranty

In the event your product requires repair after the limited warranty period has expired, please contact our Customer Support Center at **1-800-506-5746, 1-800-252-6123 or www.1800customersupport.com/RCA**
Hours: Monday–Thursday: 9am–7pm, Friday: 9am–5pm, Saturday: 9am–NOON Eastern time.
Important: You are responsible for any transportation, shipping or insurance relative to the return of product to our Product Returns Center.

All warranties implied by state law, including the implied warranties of merchantability and fitness for a particular purpose, are expressly limited to the duration of the limited warranties set forth above. With the exception of any warranties implied by state law as hereby limited, the foregoing warranty is exclusive and in lieu of all other warranties, guarantees, agreements and similar obligations of manufacturer or seller with respect to the repair or replacement of any parts. In no event shall **AVC** be liable for consequential or incidental damages.

No person, agent, distributor, dealer or company is authorized to change, modify or extend the terms of these warranties in any manner whatsoever. The time within action must be commenced to enforce any obligation of **AVC** arising under the warranty or under any statute, or law of the United States or any state thereof, is hereby limited to one year from the date of purchase. This limitation does not apply to implied warranties arising under state law.

This warranty gives you specific legal rights and you may also have other rights, which may vary, from state to state. Some states do not allow limitation on how long an implied warranty lasts, when an action may be brought, or the exclusion or limitation of incidental or consequential damages, so the above provisions may not apply to you.

For more information on other products and services, please visit our web site at
www.1800customersupport.com/RCA

Important: Also keep your "Bill of Sale" as proof of purchase.

Model no. ....Product name..

Type of set ....

Serial no. ....Invoice no. ....

Date purchased ....Dealer name...

FOR SERVICE AND REPAIR, PLEASE VISIT **www.1800customersupport.com/RCA**

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