RTD317W

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the 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

FCC Information

may cause undesired operation

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:

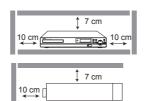
- Reorient or relocate the receiving antenna.
- · Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

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.



This Home Theater has earned the ENERGY STAR.

This device complies with part 15 of the FCC Ventilation Rules. Operation is subject to the following two You must adequately ventilate the product. Make conditions: (1) This device may not cause harmful sure there is adequate space around the unit interference, and (2) this device must accept any to provide proper air flow for ventilation. See interference received, including interference that



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

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.

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

This DVD player 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 mber for this DVD player is Region 1.

The component video jacks are color-coded

Additional component video cables (not

supplied) are required to provide best picture

· Connect the component video OUT jacks on the

iality. They are usually color-coded green, blue

FCC Information



THE LIGHTNING ELASH AND ARROWHEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT. THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USERSER-VICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE

WARNING: MAINS PLUG IS USED AS DISCONNECT DEVICE AND IT SHOULD REMAIN READILY OPERABLE DURING INTENDED USE. IN ORDER TO DISCONNECT THE APPARATUS FROM MAINS COMPLETELY, THE MAINS PLUG SHOULD BE DISCONNECTED FROM THE MAINS SOCKET OUTLET COMPLETELY.

Caution

This product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure. Do not open covers and do not repair yourself. Refer servicing to qualified

Visible and invisible laser radiation when open and interlocks defeated. DO NOT STARE INTO BEAM.

Class 1 laser product



representation only.

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.

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

WARNING

To reduce the risk of fire or electric shock hazard, do not expose this product to rain o moisture. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, should be placed on the apparatus.

Important Information

Service information This product should be serviced only by those specially trained in appropriate servicing

Important battery information • Do not mix different types of batteries or new

and old batteries. Do not use rechargeable

 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

If you are not using the remote control for a long period of time, remove the batteries.

a fire or recharge them.

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

Important Safety Instructions

Please read and save for future reference

Some of the following information may not apply o 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 a 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 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

an electrician for replacement of the obsolete

prong is provided for your safety. If the provided plug does not fit into your wall outlet, consult

the manufacturer. Use only with a cart, stand, tripod. bracket, or table specified by the manufacturer, or sold with the

· Protect the power cord from being walked on

or pinched particularly at plugs, convenience

the apparatus.

receptacles, and the point where they exit from

Only use attachments / accessories specified by

apparatus. When a cart is used. use caution when moving the cart / apparatus combination to

avoid injury from tip-over.

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 the power 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.

Important Safety Instructions

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

Additional safety information

RGA

- Apparatus shall not be exposed to dripping of splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus. Always leave sufficient space around the product for
- in a bookcase or cabinet that may prevent air flow through vent openings. Do not place lighted candles, cigarettes, cigars, etc

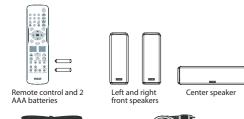
rentilation. Do not place product in or on a bed, rug

- 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
- 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.
- not intended to be recharged.

 C. Discard leaky batteries immediately. Leaking batteries can cause skin burns or other personal injury When

If your product operates on batteries, adhere to the

- Any battery may leak electrolyte or explode if disposed
- discarding batteries, be sure to dispose of them in the



One Pig-Tail

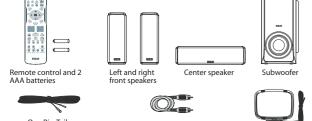
- sticker located on the back of your unit. Install your unit horizontally, away from any source of heat (fireplace) or appliances creating strong magnetic or electric fields. The
- Leave enough space around the unit to allow adequate ventilation: 10 cm/4 inches on either

device shall remain readily operable. ortant use and cleaning inform

- of in fire or an attempt is made to charge a battery
- proper manner, according to your state/provincial and D. Battery shall not be exposed to excessive heat such as sunshine, fire or the like

Connections and Setup

Accessories provided



Things to consider before you connect

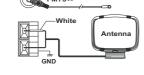
- Ensure that the mains supply in your house complies with that indicated on the identification
- components of this unit are sensitive to heat The maximum ambient temperature should not exceed 35°C / 95°F.
- side and above the top, and 5 cm/2 inches at the



- 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

Connections and Setup

- Where the mains plug or an appliance couple is used as a disconnect device, the disconnect
- Connecting the antennas



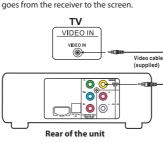
The AM and FM antennas connect to the AM and FM terminals on the system's back panel. They must be hooked up in order to receive clear reception

- Uncoil the AM Antenna wire. Press down on the Antennas tab to open the
- 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 termina

Connecting to your TV (VIDEO)

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 Video IN jack on your TV so the video content

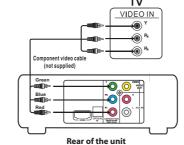


receiver to the component video IN jacks on you TV so the video content goes from the receive

Method 2

Component video jacks (Pr, Pb, Y)

en, blue and red.



If your television is a high definition sion, use the unit's progressive resolution. Set the Progressive Scan option in the Video menu to On.

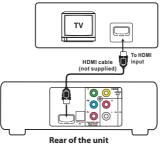
If one of the devices is not working, check that all the cables have been inserted properly Connecting mono components to you receiver: If your component has only one output for audio (mono), connect it to the white audio jack on the receiver and don't

use the cable's red plugs

Connections and Setup

Connecting to your TV (via HDMI input)

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

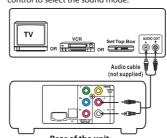


Note: Refer to the owner's manual of the connected

Getting sound from external sources such as TV

Using AUX IN jacks Connect the AUX IN jacks from the unit to the AUDIO OUT jacks on VCR, TV, Set Top Box or

2. Push the AUDIO/AUX button on the remote control to activate the sound from the external 3. Push the SURROUND button on the remote control to select the sound mode.

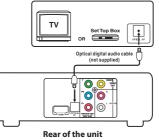


Digital optical input

. Connect components capable of outputting Dolby Digital (e.g. TV or Set Top Box) or standard PCM (CD) format digital signals.

Push the OPTICAL button on the remote control to activate the sound from the external source.

3 Push the SURROUND button on the remote control to select the sound mode



Using AUDIO IN jack Connect the Ø3.5mm AUDIO IN jack on the front panel of the unit to the headphone output on mp3

Ø3.5mm to Ø3.5mm audio cables (not

Press either SOURCE on the main unit or AUDIO /AUX on the remote control to select AUDIO $\ensuremath{\mathsf{IN}}$ Press the SURROUND button on the remote

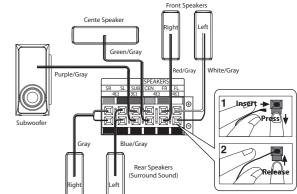
control to select the sound mode Suggest using Ø3.5mm AUDIO IN jack for MP3 player and AUX IN jacks for auxiliary equipment such as DVD, VCR or PC. If the AUX IN (or AUDIO IN) audio signal is mono, you may not receive audio on

Connections and Setup

Connecting the speakers

Speaker wires are color-coded to match the terminals. Connect the speaker wire from the back of each speaker to he corresponding color terminal at the back of the unit. Press down the tab to open the terminal and insert the wire Release the tab to lock wire in the terminal

will be distorted. Do not let the speaker wires touch each other, it will damage the Home Theater's amplifier.



(2) Press the VOL+/VOL- buttons to adjust the value up or down (between -10dB and +10dB).



Courtesy Dolby Laboratories

1. Left, Right (Front Speakers) Front speakers carry primarily music and sound

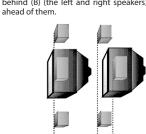
In surround mode, the center speaker carries most of the dialog as well as music and effects. It should be set between the left and right peakers.

Proper placement is vital to establish an evenly distributed sound field. 4. Subwoofer

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

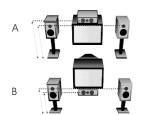
Connections and Setup

Align the center speaker evenly with (A) or slightly behind (B) (the left and right speakers), but not



to duplicate the soundtrack mixer's perspective.

The three front speakers should be as close as possible to the same height. This often requires placing the center speaker directly on top (A) or beneath (B) the TV set.



Better surround placement

f possible, place surround speakers to either side of the listening area, not behind it.

If space permits, install surround speakers 2-3 feet above viewers. This helps to minimize localization

Aimina

is empty.

Front speaker placement Aim surround speakers straight across the room, For best results, follow the speaker placement not down at viewers, to help create a more open, spacious surround sound field.



towards the sidewalls (C. D).

feet off the floor such as on end tables (B)

No adjacent walls

Place the left and right speakers to form a 45-



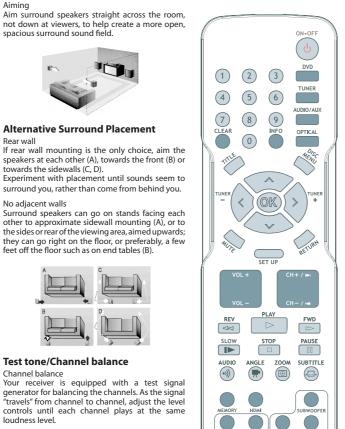
Test tone/Channel balance Channel balance

and only rarely for special effects.

Your receiver is equipped with a test signal generator for balancing the channels. As the signal "travels" from channel to channel, adjust the level controls until each channel plays at the same Level adjustment and surround channel level

expectation Even though you adjust the surround channel to be as loud as the others on the test signal, on actual program material the surround channel is adjust the surround level; program producers use surround for subtle atmospherics and ambience,

Overview of Controls



RСЛ

- 5 -

Turns on/off the unit. Selects the DVD mode TUNER Selects the TUNER and selects between FM/ AUDIO/AUX: Selects and toggles between the front

AUDIO IN mode and rear AUX IN mode. (for listening to audio input from connected TV, VCR or SetTop BOX). OPTICAL: Selects OPTICAL IN at rear for digital audio connection. Number entry CLEAR: Quits the current setting manually from the

TV screen without saving change. Accesses the Info menu TITLE Accesses the title menu of DVD discs. **DISC MENU**: Accesses the disc menu during playback. Confirms your selection.

>/</ </ >
To navigate through the menus. The left and

right arrows also tune the radio frequency in

programmed stations in TUNER mode.

Starts reverse accelerated play.

Starts forward accelerated play.

Starts playing a disc.

FWD:

Mutes and restores the sound. SETUP: Enters Setup menu. 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

Selects SLOW motion function. SLOW Stops playback. PAUSE: Freezes frame, accesses frame advance AUDIO: Accesses the audio function. ANGLE: Accesses the camera angle function for DVD ZOOM: Accesses the Zoom function. Selects the subtitle languages or turns

subtitle off (if available).

SUBWOOFER: Selects among subwoofer output levels

1080i or1080p).

(soft/balance/strong/powerful). Turns on/off random playback on CDDA disc REPEAT: Accesses the repeat function. Toggles channels for different level settings. LEVEL: Adjusts the value using VOL +/-

Changes video output signals (480p, 720p,

Overview of Controls

SURROUND: Changes the Surround sound Press the button to select between 5.1 Channel and Stereo modes.

Remote control functions in tuner mode TUNER: $Selects\,the\,TUNER\,and\,switch\,between$ FM/AM.

Adjusts the sound volume VOL+/-: MUTE: Mutes and restores the sound. TUNER +/-: Tunes down and up the radio frequencies.

Selects programmed stations.

mode for Tuner (FM).

Selects between Stereo and Mono

MEMORY: Stores a station.

AUDIO:

Using remote control to navigate through the on-screen menus Use >, <, ${\color{red} \star}$, and OK on the remote control to

during playback, or a disc's menu).

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.

navigate through the on-screen displays (the

DVD player's menu, the Info Display that appears

Use >, <, A, > on the remote to move through on-

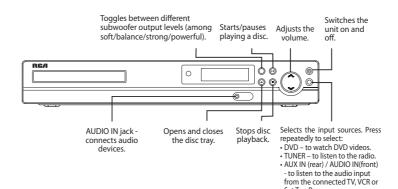
Set Top Box.

OPTICAL (rear) - to connect

Insert 2"AAA"("UM-4"/"R03") batteries

to the remote control prior to use.

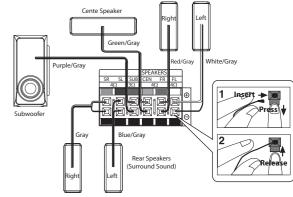
Overview of Controls - Front Panel Controls



When connecting the speakers, make sure the polarities ("+" speaker wire to "+" on the receiver. For example, red wire to red terminal on the receiver) of speaker wires and terminals match. If the cords are reversed, the sound

will be distorted. Do not let the speaker wires touch each other, it will damage the notifie meater's ampliner.

Center speaker provided with this unit are magnetically shielded to protect your TV set. It is not recommended to place the front speakers, surround speakers and subwoofer near the TV set.



To adjust each speaker volume level for optimum listening experience.(1) Press the LEVEL button on the remote control to select FL (front Left speaker

(3) Repeat step (1) and (2) for the other speakers FR, SL, SR, CT, SW. speaker gains may be set to levels of up to +10dB, actual max levels may also depend on your Volume Setting

Positioning speakers



Playing Discs - Basic Functions

Compatible discs

Compatible formats DVD_IPEG CD, VCD

Regional coding

ifferent regional code will not play. Operating the DVD receiver

located on the unit's front panel. Press DVD on

3. Press ≜ again to close the disc tray.

 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

While the disc is playing, press REV or FWD one

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

Press PAUSE twice. "Step" is displayed.

Each time you press PAUSE button, the picture advances one frame.

Variable slow motion

3. Surround (Rear Speakers) The surround speakers' overall sound balance should be as close as possible to the front peakers

Basic Playback Operations

1. Press SLOW button on the remote in play 2. Each time the SLOW button is pressed the speed of slow-motion playback changes in the following sequence:

SF 1/2 → SF 1/3 → SF 1/4 → SF 1/5

to go immediately to the next or previous chapter,

PLAY ← SF 1/7 ← SF 1/6 3. Press PLAY to resume normal playback. Changing chapter/track While the disc is playing, press the CH+/- button

or to the next or previous track.

to normal playback.

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

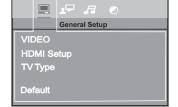
arrow buttons.

3. To turn ZOOM off, press ZOOM until you get to the ZOOM OFF option Types of menus Disc menu — The appearance and contents of

2. Move from one area to another (pan) using the

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

TT 1/10 CH 1/16 ② 00:13:07



- 9 - 10 -

• DVD, DVD-R, DVD-RW, DVD+R, DVD+RW · CD, CD-R, CD-RW

Turn on your television set.
 Press ON•OFF on the remote or ON/STANDBY

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

Loading disc Press on the front panel to open the disc tray. 2. Place a disc onto the disc tray with the label side

Plavback Switch the unit and the TV set on.

or more times to vary the speed and direction of the accelerated play. Press PLAY to resume normal playback.

Accelerated play

Frame advance

3. Press PLAY to resume normal playback

this menu varies according to the type of disc

- 11 -

you have inserted. It is separate from the Setup

menu on or off. Setup menu — Press SETUP to access this



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 5 INVALID KEY will be displayed if the function

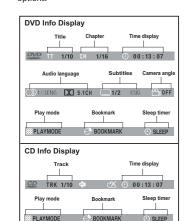
The Info Menu

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,

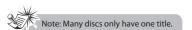
- and camera angle. 3. Press INFO a third time for play mode, bookmark
- and sleep timer. 4. Use the right/left arrow buttons on the remote
- to select an icon.

 5. Use the up/down buttons to scroll through the options.



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

To directly access a title, chapter (DVD) or a track (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.



Time display To access the Time Display, press INFO on the

remote. Press the up/down buttons repeatedly to 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



The Info Menu

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: 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.
- 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.

Subtitles (DVD)

Languages menu.

Subtitles are turned off by default. Turn on subtitles

- 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 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

This function may not be available on all discs.

to the subtitle language you selected in the

The Info Menu

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.
- 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. As for Audio CDs: T stands
- 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

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.

1. Press INFO twice for CD and three times for Select Sleep icon with the left/right arrow

2. Select one of the available options using the OK button: Off, 30, 60, 90 or 120 minutes.

Note: This function is not available AUX IN /OPTICAL IN / AUDIO IN /

Introscan (CD)

resume normal playback.

to five bookmarks on a disc.

PLAY button on the remote.

Bookmark (DVD and audio CD)

2. The first bookmark space is highlighted. Press

OK to set the bookmark. The bookmark is saved

and is indicated by the number 1. You can set up

To start playback from a bookmark, press the

. To delete a bookmark, highlight it and press

Note: This function is only available

with discs whose elapsed time or remaini

time appears in the Info menu.

The unit has a built-in tuner that allows for FM radio function. The AM loop antenna allows for AM This option plays the first ten seconds of each track radio function.

Manual tuning . Press the INFO button twice, then select the Play mode icon with the left/right arrow buttons. 1. Connect the FM antenna and the AM loop 2. Press the up/down arrow buttons to select the antenna at the back of the unit. INTRO option and press OK to start IntroScan. 2. Press TUNER.

Radio

3. Press STOP to stop Introscan, and press PLAY to 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 I. Press INFO twice for CD and three times for DVD. search function. In this mode the unit will Select the Bookmark icon with the left/right automatically tune frequencies until it finds a buttons, and press OK. A menu is displayed with

> 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

Press TUNER to enter the Tuner mode.
 Press and hold TUNER for two 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

I. 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, then press MEMORY to store it.

Retrieving preset stations

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.

AUDIO IN/AUX IN/OPTICAL IN

When the FM station broadcasts Stereo

When you manually tune into a weak FM station, press AUDIO on remote control to

switch from Stereo to Mono mode. This

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

A weak signal can affect the "Automatic

preset programming" function's efficiency. Adjust the antenna for better reception

sound is found, ST is displayed.

will reduce the background noise

antenna away from them

and a more efficient search.

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

Connecting auxiliary components Refer to "Getting sound from external sources such as TV" for details on connecting the auxiliary components to the unit.

Selecting AUDIO IN/AUX IN/OPTICAL IN mode Press either SOURCE on the main unit or AUDIO/

AUX/OPTICAL on the remote control to select

AUDIO IN, AUX IN or OPTICAL IN mode. Sound output in AUX IN mode (or AUDIO

IN/OPTICAL IN mode)

You may change the surround setting by pressing SURROUND to select between 5.1 CHANNEL and Stereo modes.

If the AUX IN (or AUDIO IN/OPTICAL IN) audio signal is mono, you may not receive audio on

I can't find my file in the jpeg listing.

The remote control does not work or works

· Check that batteries are inserted or change

• 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

Make sure the file name

The subtitles do not appear.

only intermittently.

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Jpeg Files

Playing jpeg files

Jpeg files are image files. Make sure that they have resolution of less than 2 megapixels. 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, then press OK button. The list
- of songs or 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 music/picture icons at the bottom of the screen. Use the left/right arrow
- buttons to select either music or 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 or PLAY to start playback.
- 5. The unit starts the slide show with the jpeg file you have selected, then displays all the ipeg 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 remians 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. . When the unit has played all the files, the music or slide show stops and the disc's contents are displayed again.
- 8. Press STOP to end playback.



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The time taken for the contents of the disc to be displayed varies according to the size and number of ipeg 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 Before inserting a disc, make sure it is

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 ons are displayed on the left side of the screen. Press the right arrow button to move to the option's choices on the right. Press SETUP if you want to exit setup.

GENERAL SETUP



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.

HDMI Setup This lets you select the resolution of the player's

output according to the connected TV. · Supported HD JPEG mode: 480p, 720p, 1080i

TV Type

choose the picture format (aspect ratio) best suited

- · 4:3 LB: gives best reproduction of pictures recorded in this format (i.e. with horizontal bands at the top

Depending on the format of the DVD disc, you can

in full on a 16x9 screen.

to the format of your TV screen: · 4:3 PS: reproduces a 4:3 picture without

and bottom of the screen) or in 16:9. 16:9 (widescreen): reproduces 16:9 format films

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 hack to the original settings.

IMPORTANT! Once Progressive Scan has been activated, an

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Camera angle (DVD)

ecific scenes.

left/right buttons.

arrow buttons.

entering the two points.

repeat track.

buttons.

Some discs offer different camera angles for

. 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

2. Choose the angle with the up/down arrow

If the disc was recorded using a single camera

1. While the disc is playing, press the INFO button

Select the Play Mode icon using the left/ right

3. Use the up/down arrow buttons to select an

• 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

random, program, repeat A-B, repeat disc,

Audio CD play modes: standard, introscan,

4. To stop repeat playback, select the Play Mode

icon and use the up/down arrow buttons to

angle, this function is not available.

Play mode (all discs except jpeg)

twice for CD and three times for DVD.

don't have a progressive scan TV or monitor you may get a picture with incorrect color or LANGUAGE SETUP With this menu, you can set the language for unit menus, dialog, subtitles and the disc menus.

image will only be visible on a progressive scan

TV or monitor. If you choose this option and you

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 2 Language Setup

- 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 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.

Select the language of player menus and press

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.

RMS Output Power: Dolby Digital Mode with 10%

Front and Center Channel: 32 Watts per channel

Total RMS Output Power, Dolby Digital mode: 200

Rear Channels: 32 Watts/channel (1kH, 4Ω)

Subwoofer Channel: 40 Watts (100Hz, 3Ω)

Signal to Noise Ratio: 70 dB (Dolby Digital)

Frequency Response: 2kHz +/-3dB, 400Hz ref.

Frequency Response: 15kHz +/-3dB, 1kHz ref.

Signal to Noise: 62dB(stereo) / 65dB(mono)

Usable Sensitivity: 3000uV/m @ S/N 20dB

Technical Specifications:

Total Harmonic Distortion

Muting Attenuation: 70 dB

200Hz = 20KHz/3dB, 1KHz ref

Subwoofer Frequency Response

20Hz – 200Hz /-3dB, 100Hz ref.

Frequency Response:

Signal to Noise: 38dB

IF Rejection: 35dB

FM Tuner Section:

Ouietina: 24dB

IF Rejection: 70dB

Unit: 66 x 430 x 240

Dimensions (H x W x D mm):

Front Speakers: 214 x 78 x 69

Center Speaker: 290.5 x 78 x 69

. Rear Speakers: 214 x 78 x 69

Subwoofer: 312.5 x 155 x 273.5

Amplifier Section

The Setup Menu

Subtitles Select the subtitle language using up/down arrow

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.

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

Notes:

the disc is programmed with that language

automatically selected when you display the subtitles or press SUBTITLE on the remote control. Otherwise, the subtitle language indicated on the disc is selected.

You can adapt your unit to other equipment and access specific functions with the Audio Setup 1. Select the Audio Setup icon in the main menu

using the left/right arrow buttons. Select an option using the up/down arrow buttons. Press the right arrow to move to the op-



Night Mode

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I can use this function to control the different sound levels via dynamic compression. It improves the quality of the sound track at a low volume, and quiets the loudest sounds. You can choose between Quiet, Moderate or Off.

Center Delay / Rear Delay Basic settings have been preset for the speakers included

with your unit. However, to suit the acoustic conditions in your listening room and to make the sound more effective, you may need to delay the signal coming from some of the speakers. Channel delay compensates for centre or surround speakers that are closer to the listening osition than the front speakers.

Highlight the Center Delay/Rear Delay option using

- the up/down arrow buttons. 2. Press the right button to move to the default
- distance. 3. Press the up/down buttons to adjust the distance **Test Tone** This function is used to test and adjust the volume level

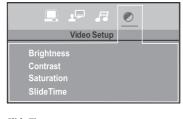
(gain) for each individual speaker channel.

test and adjust. You'll hear a test tone come from the speaker you select. Use the VOL button to adjust the level to your desired setting.

Press OK button to exit this function.

VIDEO SETUP

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



Slide Time The Slide Time option lets you select the amount of time a picture is displayed in a slide show. The choices are 5 seconds, 10 seconds, or 15 seconds

Additional Information

The unit does not switch on.

Press the ON•OFF button on the remote control or the ON/STANDBY button on the front of the

The device switches off spontaneously. The device switches off automatically when it is

- 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
- Check that the disc's regional code matches the unit's regional code. This unit's regional code is

There is no picture.

- Check the connections.
- Select the AV input assigned to the unit on the Replace the HDMI cable with a better one. Bad
- Press HDMI key on remote handset several times to toggle among different HD OUTPUT.

The picture is of poor quality (with snow or

Check the connections.

There is no sound or the sound is of poo

quality.Check the connections.

• Make sure the MUTE function is not on.

Make sure the speakers are connected.

No surround sound.

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.

completely isolate the equipment, remove the plug from the mains jack as some components emain connected to the electrical supply.

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

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Additional Information

· 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.

played.

high temperatures.

· 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,

an authorized servicer or service center. 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 · 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 Do not write on a disc. • Do not move the unit when a disc is being

Do not scratch discs or store them in places

exposed to direct sunlight, high humidity or

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 or CD standards. This unit may not play some recordings or files due to differences in

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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.

recording formats, software used and disc types.

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

DVD+RW discs must be made in accordance with

the specifications for DVD+RW discs with a 4.7 GB

DVD-R, DVD-RW, DVD+R, DVD+RW

capacity. Audio CDs Audio CDs (12 cm)

CD-RW discs (rewritable).

CD-R, CD-RW Most CD-R (one recording only) and

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 CDwriter, 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 60 seconds to

recognize the disc before starting to play. If the disc is not recognized after a period of 120 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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Jpeg files

CD-R and CD-RW with jpeg files. Certain jpeg files, in cluding progressive ipeg files, cannot be read by When composing your title, use 10 characters or less,

Additional Information

including $(.,/, \cdot, =, +)$. 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 thought the files are shown

as ipeg images on your computer.

Sound Enhancement Systems

no spaces, and avoid the use of special characters

sound enhancement systems from Dolby Laboratories. "Dolby", "Pro Logic", and

This receiver is equipped with several built-in

Dolby Pro Logic The Pro Logic mode uses the built-in circuit to steer the Left, Center, Right and Mono Surround channel audio signals and uses all five speakers to play both stereo and Dolby Pro Logic program source, such

source (such as VCR/TV) to enjoy multi-channel sound experience. Dolby Digital The Dolby Digital mode lets you enjoy full digital surround from software processed in the Dolby Digital format. Dolby Digital provides better

sound. The new system provides stereo separation

of the rear speakers (Rear-Right, Rear-Left). Adding

the subwoofer channel to the 5 channels for base

sounds (counted as 0.1 channel) results in 5.1

channels (or 6 Channels) that bring you the most

sophisticated Dolby Digital sound enjoyment.

Manufactured under license the double-D symbo are trademarks of Dolby Laboratories.

as TV and VCR. You can use this mode with any stereo program

sound quality and a more powerful presence than conventional Dolby Surround. This unit is equipped with Dolby Digital 5.1-channel so that you can enjoy enhanced full digital surround buttons and press OK.

 If the selected language is not available on a disc, the disc's language will be used If the language chosen is available, it is

AUDIO SETUP

Limited Warranty

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

AVC's sole discretion.

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

labor to repair a manufacturing defect at its designated Service Center. To obtain warranty service in the United States, you must first call our Customer Support Center at 1-800-506-5746 or 1-877-252-6873, during the hours listed in the box below. The determination of service will be made by AVC custom. 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 defective warranty date. Such replacement parts or products are warranted for an additional one year from the date of repair or replacement. The Custome

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

During a period of one year from the effective warranty date. AVC will provide, when needed service

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.

(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

(1) You must retain your bill of sale to provide proof of purchase.

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 omer Support Center at 1-800-506-5746, 1-877-252-6873 or www.RCAav.com

You are responsible for any transportation, shipping or insurance relative to the return of the product to our Product Returns Center.

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Hours: Monday-Thursday: 9am-7pm, Friday: 9am-5pm, Saturday: 9am-NOON Eastern time

Troubleshooting

Make sure it is plugged in.

in STOP mode for more than 30 minutes without

Clean the disc.

Check you have switched on the TV set.

HDMI cable can cause data lost.

Model no.

 Check the speaker configuration in the Setup menu (See Positioning speaker or Audio Setup).

Check that the DVD disc provides subtitles. Refer to the section on how to display sub-

Precautions

The disc menu language has not been set up.The language of your choice is not available

The disc menu language is not the correct one.

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

Switching off the unit to standby mode does not disconnect it from the mains supply. To

If you notice any burning or smoke, disconnect the unit immediately to avoid any risk of

Limited Warranty 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

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 contact our web site at www.RCAav.com

Product name.

Type of set Serial no. Invoice no. Date purchased Dealer name.

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

Print in China

811-317W91W010

FOR SERVICE AND REPAIR, PLEASE VISIT www. RCAav.com

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