

FCC Information



THE LIGHTNING FLASH 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.

FCC INFORMATION

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 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.

This class B digital apparatus meets all requirements of the Canadian Interference - Causing Equipment Regulations.

The Shock Hazard Marking and Associated Graphical Symbol is provided on the bottom panel of unit.

Refer to the identification / rating label located on the back panel of your product for its proper operating voltage.

IMPORTANT: The power cord can be unplugged to turn off the main power to the unit. It should also be easily accessible in an emergency.

- Leave sufficient space around the appliance to allow adequate ventilation: 10cm on either side and at the back, as well as 7cm above it are ideal.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

FCC Information

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.



CAUTION:

- To prevent electric shock, match wide blade of plug to wide slot, fully insert.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.
- The mains plug is used as disconnect device. The mains plug of apparatus should not be obstructed OR should be easily accessed during intended use. To be completely disconnected the power input, the mains plug of apparatus shall be disconnected from the mains.

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 user manual.

Connecting for Power

Make sure you connect all your other electronic components and the speakers before plugging your unit into the outlet. Plug the power cord in the wall outlet, matching the wide blade of the plug with the wide slot in the outlet. Be sure to insert the plug completely.

Technical Specification

Product: Dolby Digital Audio / Video Receiver
Brand: RCA

Electrical Consumption

Power Supply: 120V ~ 60HZ

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



This Home Theater has earned the ENERGY STAR.

Headset Safety

- Do not play your headset at a high volume. Hearing experts warn against extended high volume play.
- If you experience a ringing in your ears, reduce volume or discontinue use.
- You should use extreme caution or temporarily discontinue use in potentially hazardous situations.
- Even if your headset is an open-air type designed to let you hear outside sounds, don't turn up the volume so high that you are unable to hear what is around you.
- Excessive sound pressure from earphones and headphone can cause hearing loss.



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

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 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 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 wall 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 a 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.

- 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.

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:

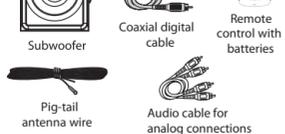
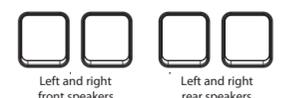
- Any battery may leak electrolyte if mixed with a different battery type, inserted incorrectly, or if all batteries are not replaced at the same time.
- Any battery may leak electrolyte or explode if disposed of in fire or an attempt is made to charge a battery not intended to be recharged.
- Discard leaky batteries immediately. Leaking batteries can cause skin burns or other personal injury. When discarding batteries, be sure to dispose of them in a proper manner, according to your state / provincial and local regulations.
- Battery shall not be exposed to excessive heat such as sunshine, fire or the like.



Portable Cart Warning

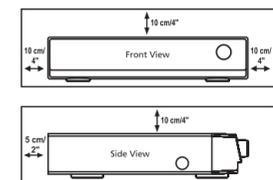
Connections and Setup

- One main unit
- One remote control with batteries
- One pair of front speakers, one pair of rear speakers, one center speaker and one subwoofer
- One pig-tail antenna wire
- One AM loop antenna
- One coaxial digital cable
- One pair of audio cable for analog connections
- One English, one French & one Spanish user manuals
- One English, one French & Spanish quick start guides



Setup and Maintenance of the Unit

Provides spaces for sufficient ventilation as indicated:



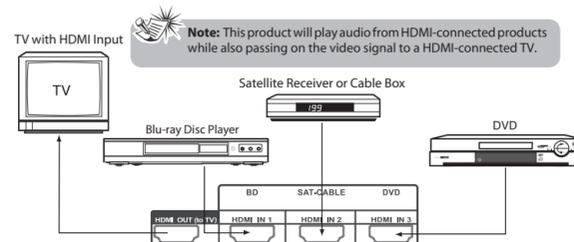
- Do not connect to the AC power cords until all connections are completed.
- Do not use your set immediately after transferring it from a cold place to a warm place: there is risk of condensation.
- Do not expose your set to water and excessively high temperatures.
- After having disconnected your set, clean the case with a soft cloth, or with a slightly damp leather chamois. Never using strong solvents.

Protect your Components from Overheating

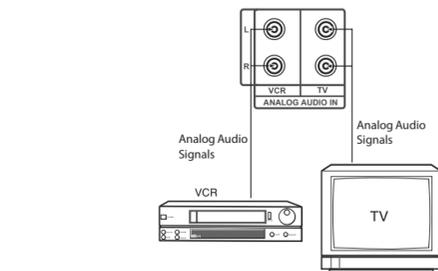
- Do not block ventilation holes in any component. Arrange the components so that air can circulate freely.
- Do not stack components directly on top of each other.
- Do not place the unit near other components that generate heat such as heating vents.
- Allow adequate ventilation when placing your components in a stand.
- Place an amplifier near the top shelf of the stand so heated air rising from it will not affect other components. If you have a satellite receiver, you should place it on the top shelf.

Connections and Setup

Connecting to HDMI Components



Connecting to Audio Components



Digital Audio in Connection

Digital Input
Connect components, such as DVD players, Satellite receiver/Cable boxes, BD (Blu-ray Disc™) players or TVs, capable of outputting Dolby Digital (Surround Sound) or standard PCM (Stereo) format digital signals.

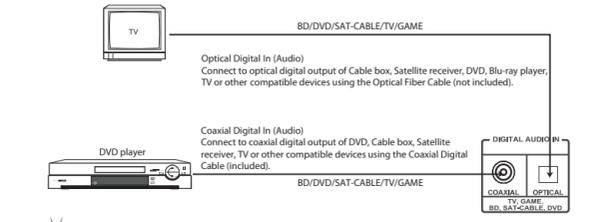
Note: "Blu-ray Disc" is a trademark of Blu-ray Disc Association.

Connections and Setup

Digital Connection

The digital audio jacks can accept Dolby Digital (Surround Sound) or PCM (Stereo) signals when compatible components are connected.

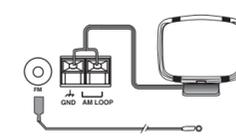
- This unit provides one optical and one coaxial digital input jacks for the connection of your components that have digital audio outputs.
- To connect DVD player, Satellite receiver, Cable box, Blu-ray player or TV that has a digital audio output, use a coaxial digital (included) or an optical digital cable (not included) to carry the audio signal and enjoy Dolby Digital sound quality.
- A separate optical or coaxial cable is needed for each digital connection.



Notes: • If your TV has digital audio output, you can connect it to the corresponding digital audio input of the system instead of using analog connection.
• Optical and coaxial cables carry only the audio portion of the signal.

Connecting the Antennas

Connect the AM and FM antennas to the AM and FM terminals on the system's back panel. They must be hooked up in order to receive clear reception. For FM reception, extend antenna to its full length. For AM reception, rotate the antenna horizontally to get better reception.



Connections and Setup

AM Loop Antenna and FM Indoor Antenna

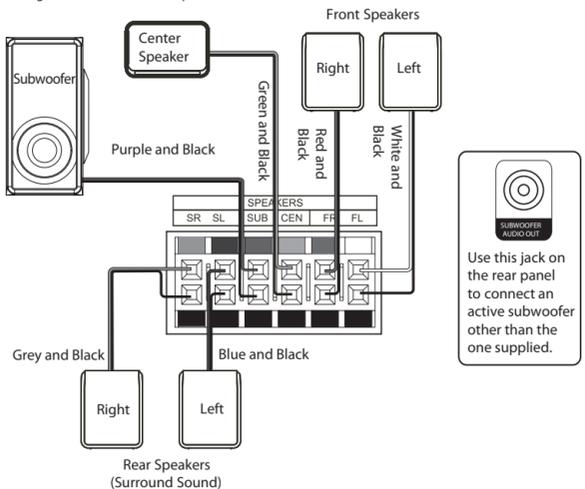
- Uncoil the antenna wire and locate the base end of the AM antenna.
- Press down on the antennas tab to open the terminal.
- Insert the antenna wires into the terminal and release the tabs to secure the wires in place.
- Make sure the white wire on the AM loop antenna is inserted into the AM loop terminal and the other wire is inserted into the ground loop terminal.

Connecting the speakers

Speaker wires are color-coded to match the terminals. Connect the speaker wire from the back of each speaker to the 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.

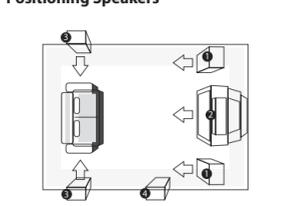
When connecting the speakers, make sure the polarities ("+" speaker wire to "+" on the unit. For example, red wire to red terminal on the unit) of speaker wires and terminals match.

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



Connections and Setup

Positioning Speakers



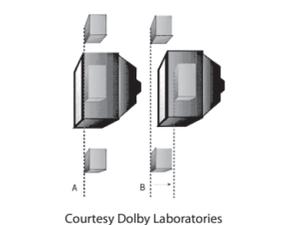
- Left, Right (Front Speakers)**
Front speakers carry primarily music and sound effects.
- Center**
In surround mode, the center speaker carries most of the dialog as well as music and effects. It should be set between the left and right speakers.
- Surround (Rear Speakers)**
The surround speakers' overall sound balance should be as close as possible to the front speakers. Proper placement is vital to establish an evenly distributed sound field.
- Subwoofer**
A subwoofer is designed to reproduce powerful low bass effects (explosions, the rumble of spaceships, etc.).

Magnetic Shielding
Speakers placed less than two feet from the TV set must be magnetically shielded in order to prevent picture distortion. Center speaker provided with this unit is magnetically shielded to protect your TV set.

Front Speaker Placement

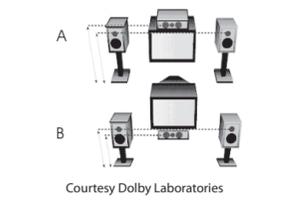
For best results, follow the speaker placement below.

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



Angle
Place the left and right speakers to form a 45-degree angle with your favorite viewing position to duplicate the soundtrack mixer's perspective.

Height
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.



Connections and Setup

Better Surround Placement

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

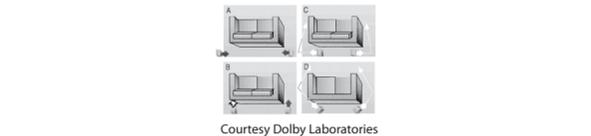
Height
If space permits, install surround speakers 2-3 feet above viewers. This helps to minimize localization effects.

Aiming
Aim surround speakers straight across the room, not down at viewers, to help create a more open, spacious surround sound field.



Alternative Surround Placement

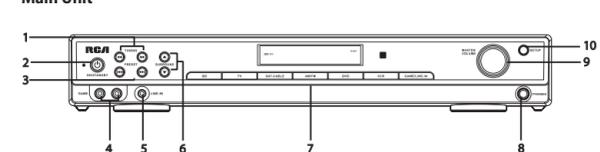
Rear wall
If rear wall mounting is the only choice, aim the speakers at each other (A), towards the front (B) or towards the sidewalls (C, D). Experiment with placement until sounds seem to surround you, rather than come from behind you.



No adjacent walls
Surround speakers can go on stands facing each other to approximate sidewall mounting (A), or to the sides or rear of the viewing area, aimed upwards; they can go right on the floor, or preferably, a few feet off the floor such as on end tables (B).

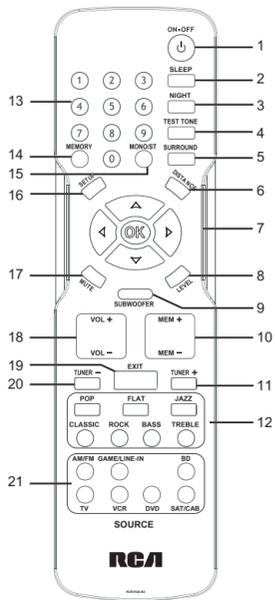
Unit Controls

Main Unit



- ◀▶ (TUNING buttons)**
Tunes in to desired stations in AM/FM mode.
- ON/STANDBY**
Turns on / off the unit. When the unit is turned on, the unit will go to the mode it was in before powered off.
- ◀▶ (PRESET buttons)**
Selects preset stations in AM/FM mode; Selects item to be set in SETUP MENU.
- GAME jacks**
Connects game consoles or other AV products that have AUX audio outputs.
- LINE IN**
Connects portable audio devices or other AV products that have a LINE-OUT jack.
- ▲ / ▼ (SURROUND buttons)**
Selects among digital surround sound effects. (HALL, CHURCH, CLUB, STADIUM, STUDIO, STEREO, DOLBY PL EMULATION, DOLBY PL II MUSIC, DOLBY PL II MOVIE) depending on input signal. Adjusts value in SETUP MENU.
- DVD, TV, SAT-CABLE, AM/FM, VCR, BD and GAME/LINE-IN (SOURCE buttons)**
Selects sound source.
- Headphone jack**
- MASTER VOLUME**
Adjusts the volume.
- SETUP**
Enters or quits the SETUP menu.

Remote Controls



Install two "AAA" batteries in the remote control prior to use.

NOTE: Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

1. ON-OFF

Turns on/off the unit.

2. SLEEP

Selects sleep time.

3. NIGHT

Selects among night mode options (DRC ON/DRC OFF/DRC SOFT) which compresses the volume difference between normal voices and sounds such as explosions. (Available only during Dolby digital signal playback)

The setting is also available in SETUP MENU.

4. TEST TONE

Speaker test tone setting. Refer to "Advanced Sound Control" for details.

5. SURROUND

Selects among digital surround sound effects. (HALL, CHURCH, CLUB, STADIUM, STUDIO, STEREO, DOLBY PL EMULATION, DOLBY PL II MUSIC, DOLBY PL II MOVIE) depending on input signal.

6. DISTANCE

Adjusts the speakers' listening distance.

7. \wedge / \vee / \langle / \rangle

- Press \langle / \rangle to select among setting items in Setup mode.
- Press \wedge / \vee to adjust the values when the display shows the setup you want to change.
- Press **OK** to confirm your selection.

8. LEVEL

Speaker level setting. Refer to "Advanced Sound Control" for details.

9. SUBWOOFER

Selects among subwoofer sound levels. (BALANCE, STRONG, POWERFUL or SOFT) by pressing \wedge / \vee key after pressing SUBWOOFER. The setting is also available in SETUP MENU.

Remote Controls

10. MEM + / MEM -

Selects programmed stations in AM/FM mode.

11. TUNER +

Tap to increase the radio frequency in AM/FM mode.

Press and hold to search next available station in ascending frequencies.

12. EQ buttons

Selects among preset equalizer mode (POP, FLAT, JAZZ, CLASSIC, ROCK, BASS and TREBLE). Press the corresponding button to select the desired sound mode. This function is only available in Stereo mode.

13. Number buttons

Directly accesses a preset station in AM/FM mode.

14. MEMORY

Stores stations as preset stations in AM/FM mode.

15. MONO/ST

Selects between Stereo and Mono sound in FM mode.

16. SETUP

Enters Setup mode. Use \langle / \rangle to select among setup options.

17. MUTE

Mutes all sound.

18. VOL + / VOL -

Adjusts the volume.

19. EXIT

Exits the current setting.

20. TUNER -

Tap to decrease the radio frequency in AM/FM mode.

Press and hold to search next available station in descending frequencies.

21. Source buttons

Selects audio sources.

Operating Your Unit

Selecting Source

When one of the SOURCE buttons on the front panel or on the remote control is pressed, the corresponding input will be activated.

The unit acts as a switching device between all the sources that are plugged into it.

Example 1:

If you have connected a DVD player to HDMI IN 3 (DVD) jack on the unit, press **DVD** on the front panel or on the remote control to receive the sounds transmitted by the DVD.

Example 2:

If a VCR is connected to the VCR jack of the unit, press **VCR** on the front panel or on the remote control, the sound from the VCR will be selected.

You can connect up to 9 audio sources to this amplifier:

SOURCE buttons on front panel	SOURCE buttons on remote control	Corresponding connector at the rear panel
BD	BD	HDMI IN 1
SAT-CABLE	SAT/CAB	HDMI IN 2
DVD	DVD	HDMI IN 3
TV	TV	TV
AM/FM	AM/FM	built-in
VCR	VCR	VCR
GAME/LINE-IN	GAME/LINE-IN	LINE-IN & GAME jacks on the front panel

The source name you selected will be shown on the display.



Notes:

- Your unit has a built-in tuner. Just connect the appropriate antenna to the back of the unit and you will be able to listen to radio stations. (For details, please refer to **Radio** section).
- Connections at the back panel can be interchanged depending on whether sources have the same audio input.

Operating Your Unit

- Repeat step 2 to tune to another radio station.
- To prematurely stop the searching function, press **TUNER+** or **TUNER-** button on the remote control.
- Adjust the volume by pressing **VOL +** / **VOL -**.

Manual Tuning

Press **TUNER+** or **TUNER-** button on the remote control or \blacktriangleleft or \blacktriangleright button on the front panel of the unit repeatedly to tune a desired frequency.

Automatic Preset Programming

The unit can preset 30 FM stations and 30 AM stations. Before tuning, make sure to turn down the volume.

- Press **AM/FM** to enter the AM/FM mode.
- Press and hold **AM/FM** for two seconds to start automatic preset programming.
- Radio frequencies will be browsed and radio stations stored automatically. When all the available radio stations are stored or all 60 preset stations (30 for AM and 30 for FM) memory locations are full, the auto preset programming function will stop.

Manual Preset

- Press **AM/FM** to select the desired radio mode.
- Press and hold **TUNER+** / **TUNER-** button on the remote control or \blacktriangleleft / \blacktriangleright button on the front panel of the unit until the system tunes in a station.
- 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.

Select Preset Stations

- Press **AM/FM** to enter the Tuner mode with selecting AM or FM band.
- Press \blacktriangleleft / \blacktriangleright on the main unit repeatedly or directly press **MEM +** / **MEM -** button on the remote control to search for the preset stations. Each time you press the button, the system tunes in one preset station.



Tips:

- When you tune at a weak FM station manually, press **MONO/ST** 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.

GAME

- Connects audio out jacks of the TV game to the GAME jacks on the front panel of the unit.
- Press the **GAME/LINE-IN** button on the front panel repeatedly to select GAME mode.

LINE-IN

- Connects one end of the 3.5mm stereo cable (not included) to the LINE-IN connector on the front panel of the unit and the other to the line out or headphone jack on an external source.
- Press **GAME/LINE-IN** on the front panel to select LINE-IN mode.

SETTING THE SLEEP TIMER

You can set the system to turn off at a preset time, so you can fall asleep listening to music. You can preset the time in 30-minutes increments.

- Press **SLEEP** button on the remote control.
- Each time you press **SLEEP**, the minutes display (the remaining time) changes by 30 minutes.
- When you set the sleep timer, "SLEEP" icon will be shown on the front panel display.
- To change the remaining time, press **SLEEP** repeatedly to select the desired time.
- To clear the preset sleep time, press the **SLEEP** button until SLP OFF appears.

Advanced Sound Control

Sound Enhancement Systems

This receiver is equipped with several built-in sound enhancement systems.

Dolby Digital

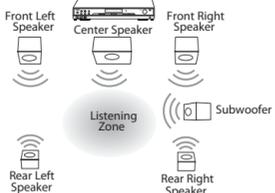
The Dolby Digital mode lets you enjoy full digital surround from software processed in the Dolby Digital format. Dolby Digital provides better sound quality and a more powerful presence than conventional Dolby Surround. This unit is equipped with Dolby Digital 5.1-channel so that you can enjoy enhanced full digital surround sound. Different from Dolby ProLogic in that only four channels (Front Left, Front Right, Centre and Rear) are used, the new system provides stereo separation of the rear speakers (Rear-Right, Rear-Left). Adding the subwoofer channel to the 5 channels for bass sounds (counted as 0.1 channel) results in 5.1 channels (or 6 Channels) input Dolby Digital for that bring you the most sophisticated sound enjoyment.

Dolby Pro Logic II

The Pro Logic II mode uses the built-in circuit to steer the Left, Center, Right and Surround left and right channel audio signals and uses all five speakers to play both stereo and Dolby Pro Logic program source, such as TV and VCR.

Dolby Pro Logic II includes Dolby Pro Logic II Movie, Dolby Pro Logic II Music and Dolby Pro Logic II Emulation.

You can use this mode with any stereo program source (such as VCR/TV) to enjoy multi-channel sound experience.



Care and Maintenance

Disconnect the audio system from the power source before performing any maintenance.

Cleaning the exterior

Disconnect the system from AC power before cleaning the exterior of the system with a soft dust cloth, or with a slightly damp leather chamois. Never use strong solvents.

Important Battery Information

- Remove the batteries to avoid leakage if you do not use your remote control for more than one month.
- Discard leaky batteries immediately as leaking batteries may cause skin burns or other personal injuries.
- Dispose of batteries in the proper manner, according to provincial and local regulations.
- Any battery may leak electrolyte if mixed with a different battery type, if inserted incorrectly, if all batteries are not replaced at the same time, if disposed of in fire, or if an attempt is made to charge a battery not intended to be recharged.

Safety Precautions

- Never open the cabinet under any circumstances. Any repairs or internal adjustments should be made only by a trained technician.
- Never operate this product with the cabinet removed.
- Do not touch the player with wet hands. If any liquid enters the player cabinet, take the player to a trained technician for inspection.
- The apparatus shall not be exposed to dripping and splashing.
- No object filled with liquids, such as vases, shall be placed on the apparatus.
- No naked flame sources such as lighted candles, shall be placed on the apparatus.

Need more help?
Please visit online help at
<http://www.RCAav.com>

Advanced Sound Control

Fine Setting of the Components

You can select the surround mode by pressing **SURROUND** follow by \wedge / \vee key to select among different options. (HALL, CHURCH, CLUB, STADIUM, STUDIO, STEREO, DOLBY PL EMULATION, DOLBY PL II MUSIC, DOLBY PL II MOVIE)

The default surround modes for different components are listed in the table below. The unit will keep the last selection in memory.

Source Input	If digital input (HDMI, SAT-CABLE, BD, TV or GAME) is selected	If analog input is selected
DVD	Dolby Digital	Pro Logic II Movie
SAT-CABLE	Dolby Digital	Pro Logic II Movie
BD	Dolby Digital	Pro Logic II Movie
TV	Dolby Digital	Pro Logic II Movie
AM/FM	AM/FM	Stereo
VCR	N/A	Pro Logic II Movie
GAME	Dolby Digital	Pro Logic II Movie
LINE-IN	N/A	Pro Logic II Music

HDMI and Digital Inputs

The Home Theater has two digital audio inputs and three HDMI AV inputs for BD, SAT-CABLE, DVD, TV, or GAME sources.

The default input is HDMI IN 1 for BD, HDMI IN 2 for SAT-CABLE, and HDMI IN 3 for DVD. **However, if you need to assign a source to a different input:**

- Select the source (DVD, SAT-CABLE, BD, TV or GAME).
- Press the **SETUP** button to show setup options.
- Press \langle / \rangle until HDMI 1/HDMI 2/HDMI 3/OPTICAL/COAXIAL or ANALOG is displayed.
- Press \wedge / \vee to select among HDMI 1/HDMI 2/HDMI 3/OPTICAL/COAXIAL/ANALOG (different source will have different available inputs for selection) to match your connection. Your selection will be stored for future use automatically.

You have the capability to change audio inputs for the SAT-CABLE, BD, TV or GAME sources.

Source	Default input
BD	HDMI IN 1 (BD: HD1)
SAT-CABLE	HDMI IN 2 (SAT:HD 2)
DVD	HDMI IN 3 (DVD:HD 3)
TV	Rear Analog (TV: ANLG)
AM/FM	Built-in tuner
VCR	Rear Analog (VCR)
GAME	Front Analog (GAME:FRNT)
LINE-IN	Front Analog (LINE-IN)

Technical Specifications

Amplifier Section:

RMS Output Power: Dolby Digital Mode with 10% Total Harmonic Distortion
Front, Rear and Center Channel: 167 Watts per channel (1kHz, 8 Ω)
Subwoofer Channel: 167 Watts (100Hz, 8 Ω)
Total RMS Output Power, Dolby Digital mode: 1000 W

Muting Attenuation: 65dB
Frequency Response: 200Hz/3dB, 1KHz ref.
Subwoofer Frequency Response: 25Hz/3dB, 80Hz ref.
Signal to Noise Ratio: 65dB (Dolby Digital mode)

AM Tuner Section:

Frequency Response: 2kHz +/-6dB, 1kHz ref.
Usable Sensitivity: 800uV/m @ 5/N 20dB
Signal to Noise: 38dB
IF Rejection: 35dB

FM Tuner Section:

Frequency Response: 12kHz +/-3dB, 1kHz ref.
Quieting: 24dBu
Signal to Noise: 60dB(stereo) / 65dB(mono)
IF Rejection: 50dB

Dimensions (H x W x D mm) :

Unit: 69 x 430 x 325
Front and Surround Speakers: 120 x 110 x 96
Center Speaker: 120 x 180 x 96
Subwoofer: 370 x 180 x 330

Advanced Sound Control

Speaker Configurations

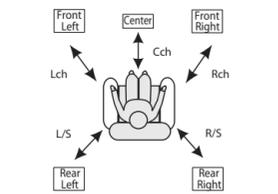
You can also change the setup of the speakers. Use a subwoofer to enjoy optimum sound.

For optimum surround experience measure the distance between the speaker and your favorite listening position. Press **DISTANCE** to adjust the speakers' distance values.

- Press the **DISTANCE** button to show setup options.
- Continue to press the **DISTANCE** button until the speaker you want to adjust is displayed.
- Press \wedge / \vee to change the speaker settings. Your selection will be stored automatically.
- Repeat step 2 and 3 to set up the next speaker. You may adjust the distance within the following ranges:
 - Front Speaker distance (FRNT): 0-25ft
 - Center Speaker distance (CNTR): 0-25ft
 - Rear Speaker distance (SURR): 0-20ft
- When set up is done, wait for five seconds to automatically save your settings or press any button to save your selection and set up mode.

Factory Default Speaker Distance Settings

- Front Speakers (FRNT): 15ft
- Center Speaker (CNTR): 12ft
- Rear Speakers (SURR): 10ft



Center / Surround Speaker Setup

- Press the **SETUP** button on the remote control or front panel to show setup options.
- Press \langle / \rangle until CTR YES or SUR YES is displayed.
- Press \wedge / \vee to select between YES and No.

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 or Canada 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 United States or Canada, you must first call our **Customer Support Center at 1-877-252-6873, 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

- You must retain the original sale receipt to provide proof of purchase.
- These warranties are effective only if the product is purchased and operated in the United States or Canada.
- 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 **1-877-252-6873, 1-800-506-5746 or www.RCAav.com**
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.

Troubleshooting Tips

AM / FM Operation

STEREO indicator is off in FM mode

- Adjust the antenna.
- Press **MONO / ST** button to insure you are not outputting in mono.

The signal is Mono. Severe hum or noise.

- The signal is too weak. Connect an external antenna.
- Adjust antenna.
- Reposition antenna away from any electronics.

There is interference to FM reception.

- Turn off other electrical unit (e.g. DVD, BD, CD player) near the unit.

Remote Control Operation

The remote control does not operate the unit.

- No batteries installed (included with your system). Install the batteries before attempting to operate the remote. Be sure to match the + and - ends of each battery to the symbols shown in the remote battery compartment.
- The batteries are weak. Replace all batteries.
- The remote is not pointed at the remote control sensor on the main unit or there is an obstacle between the remote and the main unit.
- The remote control is too far from the main unit, move closer.

General

No audio.

- Make sure the speakers are connected.
- Check the input connections.
- Check the power cord connections.
- Make sure MUTE is off.
- Make sure the digital setting (optical, coaxial or analog) is correct.
- Check that the headphone is not inserted.

No audio from one channel.

- Check the speaker level setting.
- Check the speaker wire or external source cable connections.

Noise occurs when the TV is turned on.

- The TV is too close to the audio system.

Not getting audio from all speakers.

- Check your Surround Mode setting (under Advanced Sound Control section of this book). Your Home Theater has a number of different SURROUND MODE settings, it defaults to modes most suited to the type of audio content being played - however you can change these settings. Some of these modes, (such as DOLBY DIGITAL, and Dolby PROLOGIC II), will cause all speakers to be active, while other modes, (such as STEREO and 3-STEREO), will cause your rear speakers to be inactive. You can always test your Home Theater amplifier - and each speaker, by using the built-in TEST TONE generator (press TEST TONE button on remote control).

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 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 when 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 Canada 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.RCAav.com

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.RCAav.com

Specifications and external appearance are subject to change without notice.