

811-AV6291W073

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

EXPORTER  
AVC Multimedia  
www.RCAav.com  
Printed in China

## 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.
- Follow all warnings.
- 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:

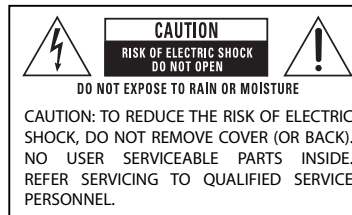
- Any battery may leak electrolyte if mixed with a different battery type, inserted incorrectly, or if all batteries are not replaced at the same time.
- Any battery may leak electrolyte or explode if disposed of in fire or an attempt is made to charge a battery not intended to be recharged.
- Discard 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

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## 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.

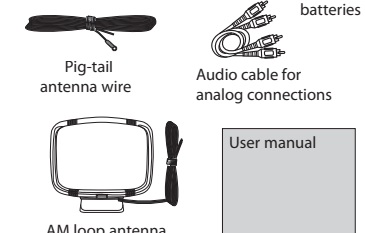
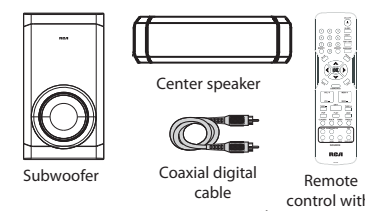
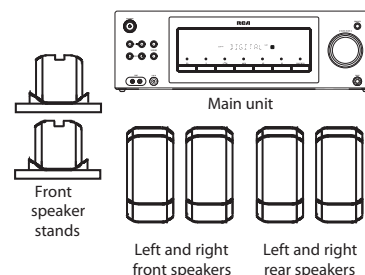
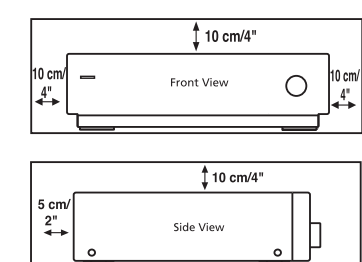
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## Connections and Setup

- 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 pair of front speaker stands (for use in Front Surround Sound Configuration only)
- One pig-tail antenna wire
- One AM loop antenna
- One coaxial digital cable
- One pair of audio cable for analog connections
- One English & one Spanish user manuals

## 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.

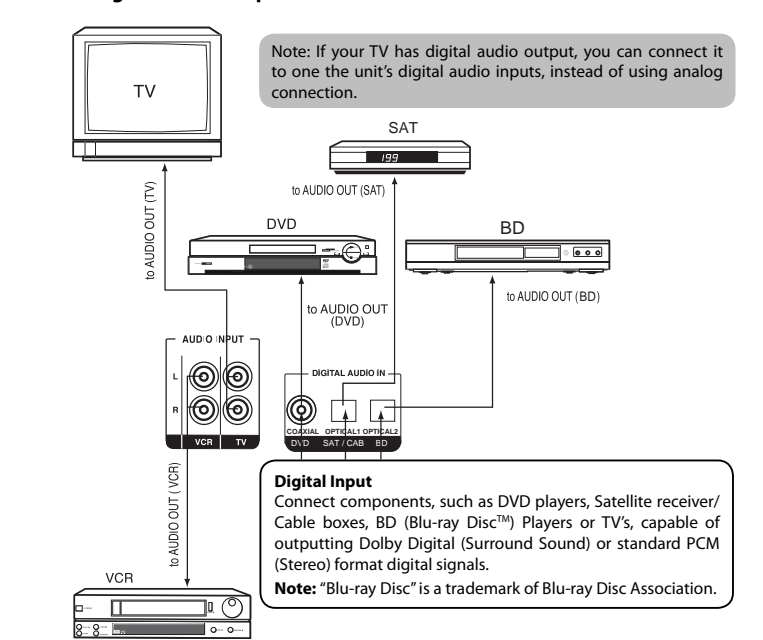
## Protect your Components from Overheating

- 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.

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## Connections and Setup

### Connecting to Audio Components



Note: If your TV has digital audio output, you can connect it to one the unit's digital audio inputs, instead of using analog connection.

**Digital Input**  
Connect components, such as DVD players, Satellite receiver/ Cable boxes, BD (Blu-ray Disc™) Players or TV's, 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.

### Digital Connection

- This unit provides two 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.



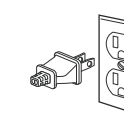
Note: Optical and coaxial cables carry only the audio portion of the signal.

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## 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.
- Main plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.

### 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: Audio Receiver with Dolby Digital  
Brand: RCA

### Electrical Consumption

Power Supply: 120V ~ 60Hz  
Power Consumption: 90 Watts



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 discontinu 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.

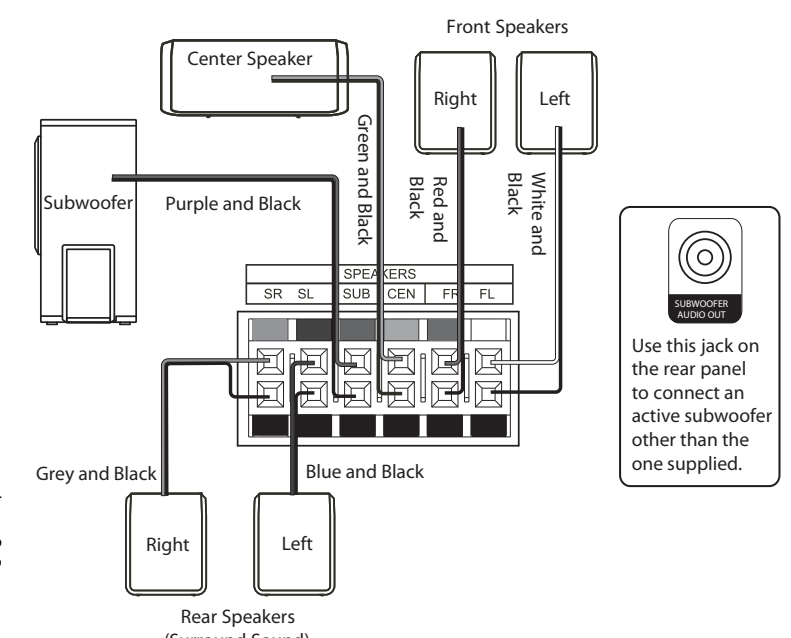
## Connections and Setup

### Connecting the speakers

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

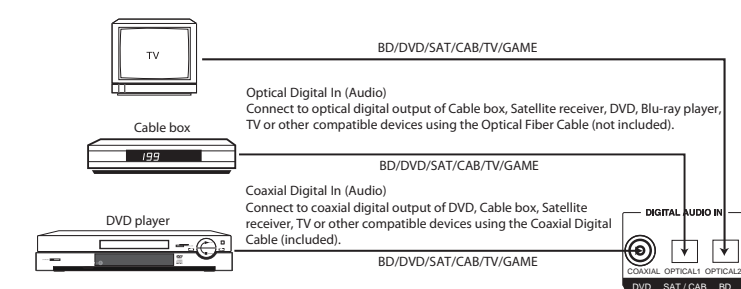


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## Connections and Setup

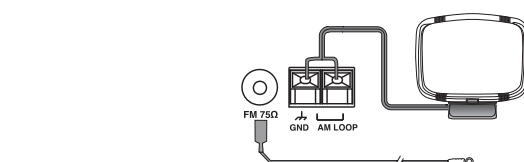
### Digital Connections

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



### 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.

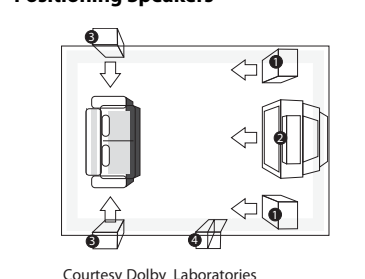
### AM Loop Antenna and FM Indoor Antenna

1. Uncoil the antenna wire and locate the base end of the AM antenna.
2. Press down on the antennas tab to open the terminal.
3. Insert the antenna wires into the terminal and release the tabs to secure the wires in place.
4. 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.

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## Connections and Setup

### Positioning Speakers



Courtesy Dolby Laboratories

- 1. Left, Right (Front Speakers)**  
Front speakers carry primarily music and sound effects.
- 2. 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.
- 3. 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.
- 4. 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.



Note: Place the rear speakers and subwoofer a foot or more away from TV when using the Front Surround sound Effect (FSSE).

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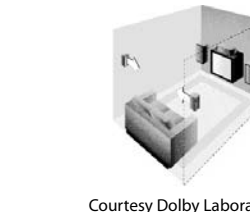
## Connections and Setup

### 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.

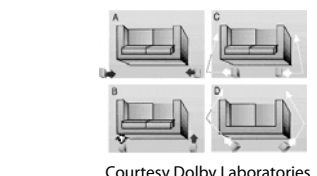
**Aiming**  
Aim surround speakers straight across the room, not down at viewers, to help create a more open, spacious surround sound field.



Courtesy Dolby Laboratories

### 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.



Courtesy Dolby Laboratories

**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).

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## Connections and Setup

### Front Surround Mode Speaker Placement

#### Configuration 1

Follow the suggestion for speaker placement in the section before.

#### Configuration 2

If placing the rear speakers (surround speakers) at the back is not a good choice for you, you can use the Front Surround sound Effect (FSSE). Follow the following instruction for setting the speakers.

#### Mounting the Speakers

Place the front speaker upside down and attach the supplied speaker stands to the top of the front speakers.

Slide in the hinge to the bottom of the front speaker until the "click" sound is heard.

Slide in the rear speaker to the hinge until the "click" sound is heard.

#### Adjust the Angle of the Speakers

To achieve the best Front Surround sound Effect (FSSE), adjust the mounted front left and the rear left speakers to the left for an angle of 25° - 45° from the center.

Adjust the mounted front right and rear right speakers to the right in the same way.

#### Disconnecting the Speakers

1. To unlock the speakers, press and hold the hinge spring as illustrated below.

2. Slide out the rear speaker from the hinge.

3. Press and hold the two hinge springs.

4. Slide out the hinge from the front speaker.

#### Adjusting the Speakers

After adjusting the angle, the speaker should look like this illustration.

#### Configuration 2

2

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