

FCC Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

In accordance with FCC requirements, changes or modifications not expressly approved by Thomson Inc. could void the user's authority to operate this product.

This device generates and uses radio frequency (RF) energy, and if not installed and used properly, this equipment may cause interference to radio and television reception. If this equipment does cause interference to radio or television reception (which you can determine by unplugging the unit), try to correct the interference by one or more of the following measures:

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

If these measures do not eliminate the interference, please consult your dealer or an experienced radio/television technician for additional suggestions.

Also, the Federal Communications Commission has prepared a helpful booklet, "How To Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, DC 20402. Please specify stock number 004-000-00345-4 when ordering copies.

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

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

Technical Specification

Product: Audio Receiver with Dolby Digital
Brand: RCA
Model: RT2770

Electrical Consumption
Power Supply: 120V - 60Hz
Power consumption: 90 Watts

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

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.

For Your Records

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

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



This audio system has earned the ENERGY STAR.

FCC Information

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

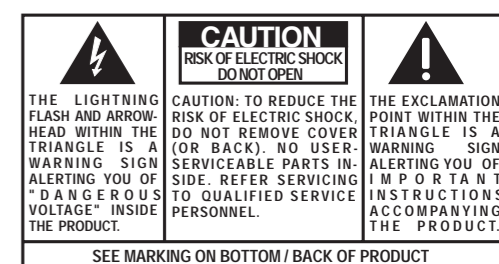
Make sure you connect all your other electronic components and the speakers before plugging your unit into the outlet. Plug the power cord in the wall outlet, matching the wide blade of the plug with the wide slot in the outlet. Be sure to insert the plug completely.

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.

Don't Infringe

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

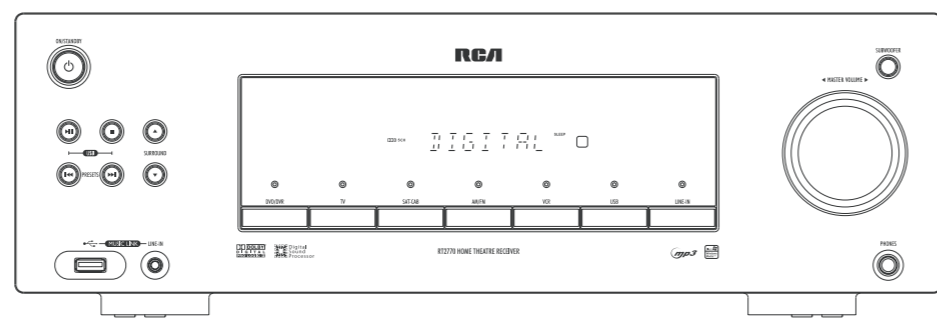


WARNING: TO PREVENT FIRE OR ELECTRICAL SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

IMPORTADOR
Comercializadora Thomson de México, S.A. de C.V.
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It is important to read this instruction book 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 dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Additional safety information

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

If your product operates on batteries, adhere to the following precautions:

- 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.
- 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 the proper manner, according to your state/provincial and local regulations.

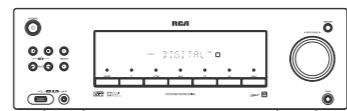


Portable Cart Warning

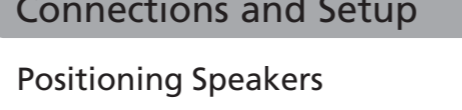
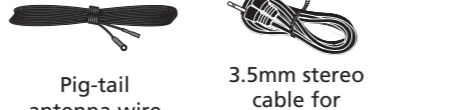
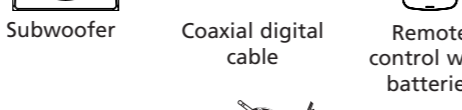
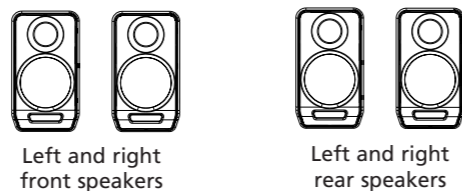
Connections and Setup

Content of Box

- 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 3.5mm stereo cable for line-in
- One User Manual
- One Quick Start Guide
- One Product Registration Card

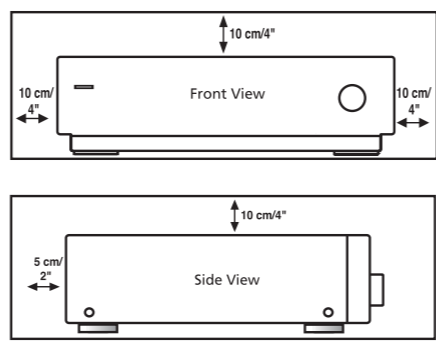


Main unit



Set up and Maintenance of the Unit

Provide spaces for sufficient ventilation as indicated:



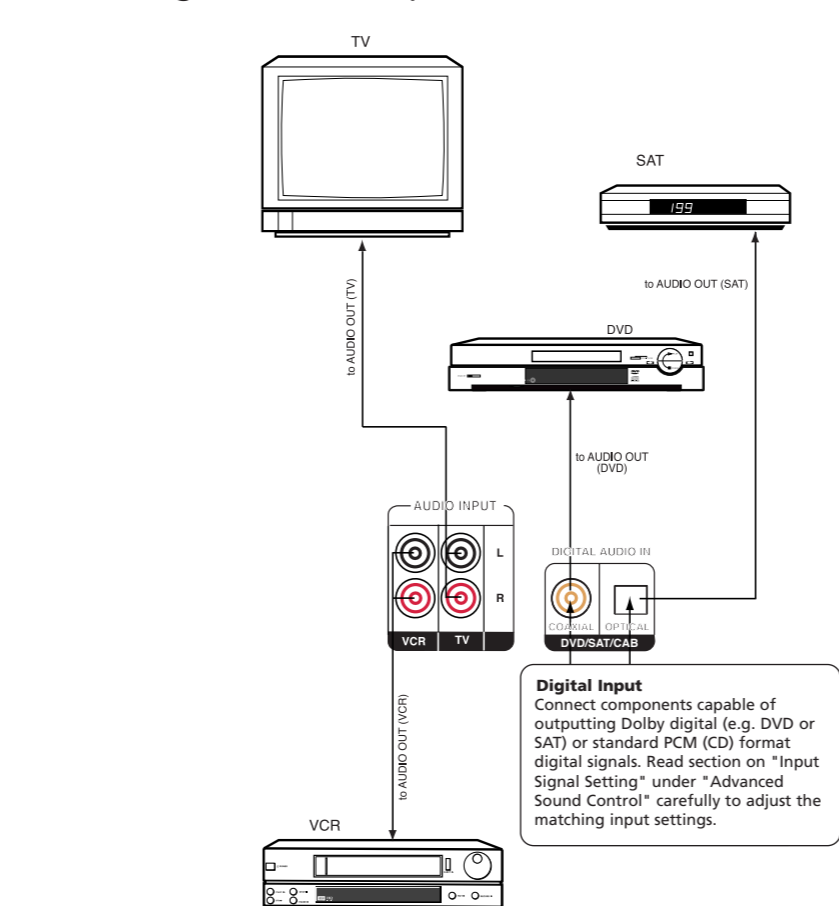
- Do not connect to the AC power cords until all connections are completed.
- Do not use your set immediately after transferring it from a cold place to a warm place; there is risk of condensation.
- Do not expose your set to water and excessively high temperatures.
- After having disconnected your set,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



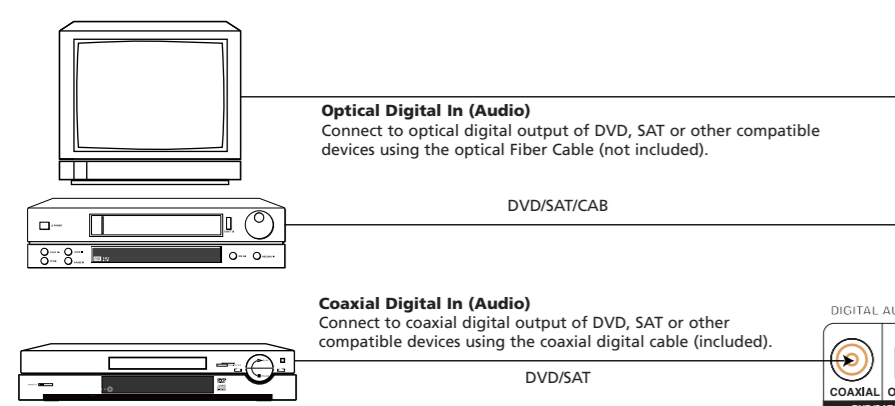
- Digital Connection**
- This unit provides one optical and one coaxial digital input jacks for the connection of your components.
 - To connect a SAT receiver or DVD player with a digital output, use an optical digital cable (not included) or coaxial digital cable (included) to carry the audio signal and enjoy Dolby Digital sound quality.
 - One optical or coaxial cable is needed for each SAT receiver or DVD player.

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

Connections and Setup

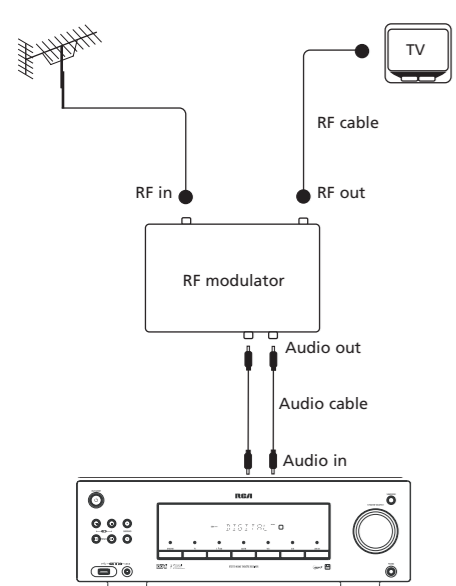
Digital Connections

The digital audio jacks can accept Dolby Digital (AC-3) or PCM signals when compatible components are connected.



TV Connections

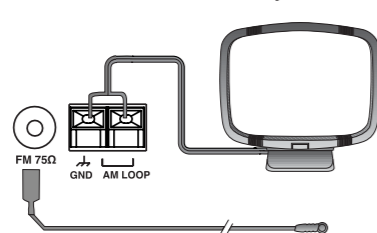
TVs with RF input may need a RF modulator (not included) for inputting audio signals.



The illustration shown above may vary from your actual RF modulator, please refer to your RF modulator manual.

Connecting the Antennas

Connect the AM and FM antennas to the AM and FM terminals on the system's back panel.



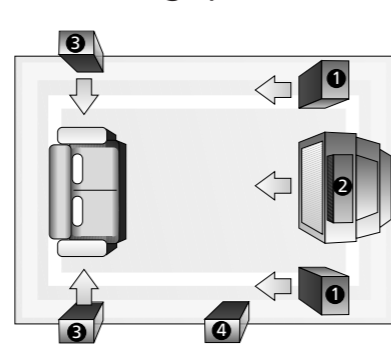
They must be hooked up in order to receive clear reception. For FM reception, extend antenna to its full length. For AM reception, rotate the antenna horizontally to get better reception.

AM Loop Antenna and FM Indoor Antenna

- Uncoil the antenna wire and locate the base end of the AM antenna.
- Press down on the antenna 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 other wire is inserted into the ground loop terminal.

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 rear 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.) which dramatically heighten the action on the screen.

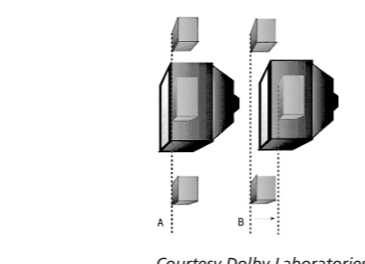
Magnetic Shielding

Speakers placed less than two feet from the TV set must be magnetically shielded in order to prevent picture distortion. Front speakers provided with this unit are 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).

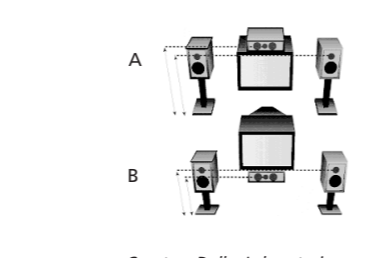
Front Speaker Placement

Follow the suggestions for speaker placement below to get the best results.



Courtesy Dolby Laboratories

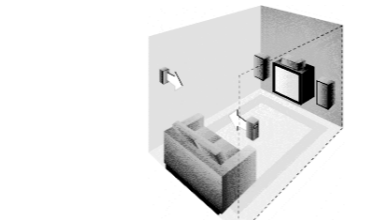
Alignment
Align the center speaker evenly with (A) or slightly behind (B) (the left and right speakers), but not ahead of them.



Courtesy Dolby Laboratories

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 mid- and high-frequency drivers of 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.



Courtesy Dolby Laboratories

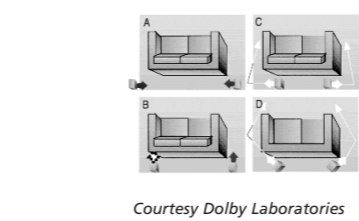
Connections and Setup

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.

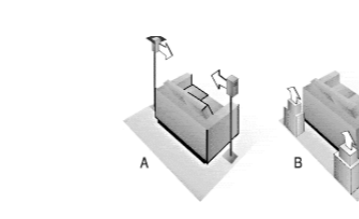
Aiming
Aim surround speakers straight across the room, not down at viewers, to help create a more open, spacious surround sound field.



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.



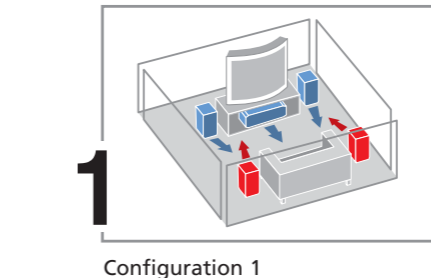
Courtesy Dolby Laboratories

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).

Connections and Setup

Front Surround Mode Speaker Placement

Configuration 1
Follow the suggestion for speaker placement in the section before.

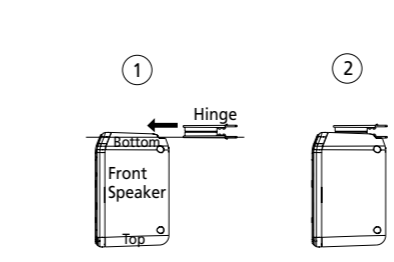


Configuration 2
If placing the rear speakers (surround speakers) at the back is not a good choice for you, you can use the Front Surround sound Effect (FSSE). Follow the following instruction for setting the speakers. (See section "Front Surround Sound Effect (FSSE) Setting" under "Advanced Sound Control" for details).

Mounting the Speakers

- Place the front speaker upside down.
- 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.
- Attach the four rubber feet provided to the top of the front speaker.

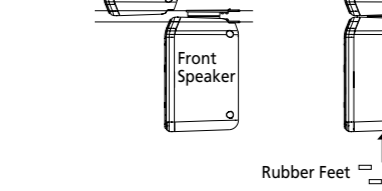
Note: Match the front left and rear left speakers together and match the front right and rear right speakers together.



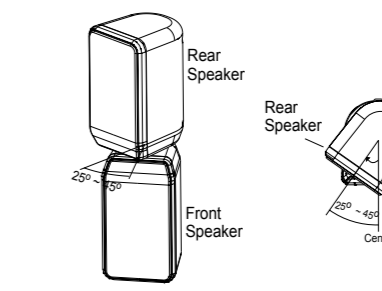
Connections and Setup

Adjusting the Angle of the Speakers

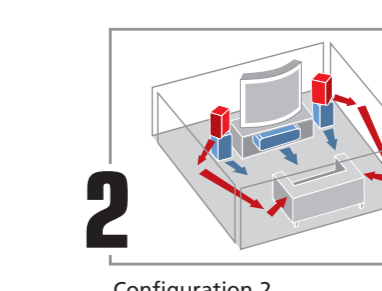
To achieve the best Front Surround sound Effect (FSSE), adjust the mounted front left and the rear left speakers to the left for an angle of 25° - 45° from the center.



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



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

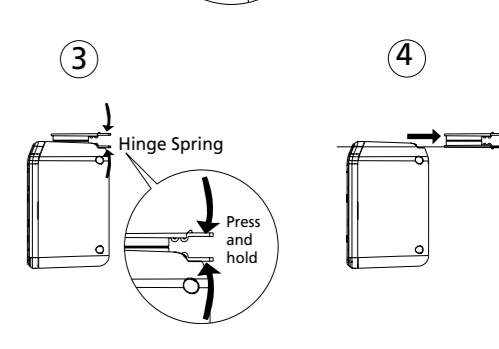
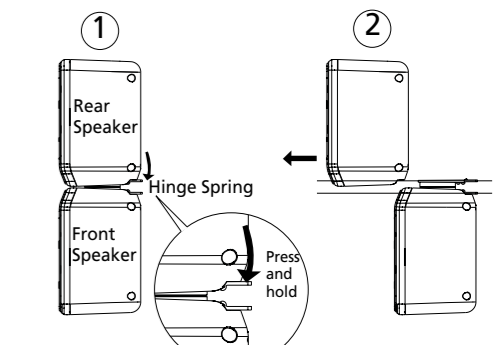


Configuration 2

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

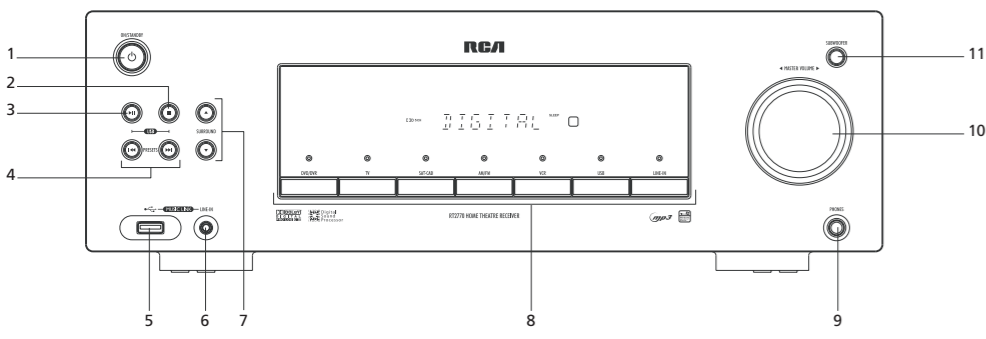
Disconnecting the Speakers

- To unlock the speakers, press and hold the hinge spring as illustrated below.
- Slide out the rear speaker from the hinge.
- Press and hold the two hinge springs.
- Slide out the hinge from the front speaker.



General Controls

Main Unit



1. 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.

2. **▶||**
Starts and pauses playback in USB mode.

3. **■**
Stops playback in USB mode.

4. **◀||▶ (PRESET buttons)**
Selects preset stations in AM/FM mode. Directly accesses the previous or next track in USB mode.

5. USB jack
Connects USB devices.

6. LINE IN
Connects components for audio input.

7. **▲ / ▼ (SURROUND buttons)**
Selects among digital sound processors. (STEREO, HALL, CHURCH, CLUB, STADIUM, STUDIO, 3 STEREO, DOLBY PL EMULATION, DOLBY PL II MUSIC, DOLBY PL II MOVIE)

8. DVD/DVR, TV, SAT, CAB, AM/FM, VCR, USB and LINE-IN (SOURCE buttons)
Selects sound source.

9. Headphones jack

10. MASTER VOLUME
Adjusts the volume.

11. SUBWOOFER
Selects among subwoofer output levels. (SOFT SUBWOOFER, BALANCE SUBWOOFER, STRONG SUBWOOFER, POWERFUL SUBWOOFER)

Remote Control

Insert "AAA" ("UM-47"/"R03") batteries to the remote control prior to use.

1. ON/OFF
Turns on/off the unit.

2. Number buttons
Directly accesses a preset station in AM/FM mode.

3. MEMORY
Stores station in AM/FM mode.

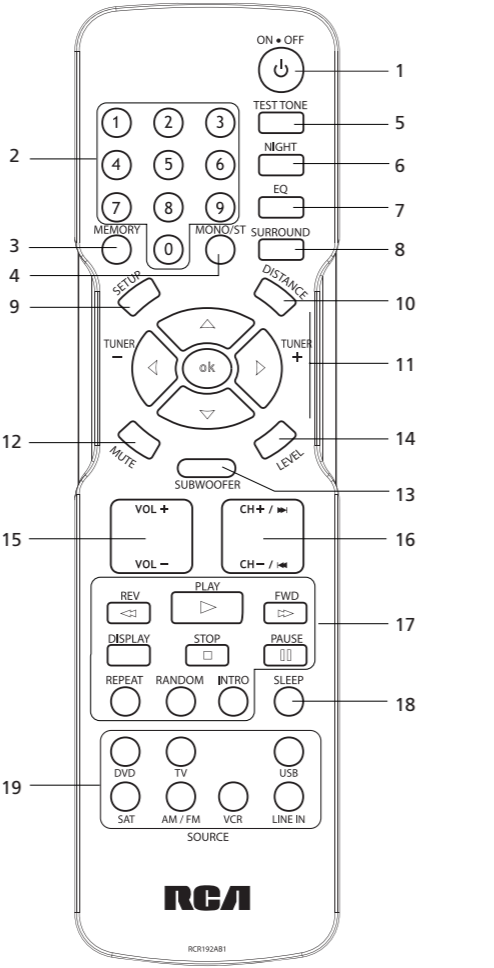
4. MONO/ST
Selects between Stereo and Mono sound in FM mode.

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

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

9. SETUP
Enters Setup mode. Use **◀ / ▶** to select among setup options. (DIMMER, CENTER SPK YES/NO, SURROUND SPK YES/NO, COAXIAL/OPTICAL, FRONT SURROUND, ROOM SMALL/MID/LARGE).

General Controls



10. DISTANCE
Adjusts the speakers' distance.

11. **▲ / ▼ / ◀ / ▶**
• Press **◀ / ▶** to select among setting items in Setup mode.
• Press **▲ / ▼** to adjust the values when the display shows the setup you want to change.
• In AM/FM mode, press **TUNER -** and **TUNER +** to tune down or up the radio frequency.

12. MUTE
Mutes all sound.

13. SUBWOOFER
Selects among subwoofer sound levels. (SOFT SUBWOOFER, BALANCE SUBWOOFER, STRONG SUBWOOFER, POWERFUL SUBWOOFER)

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

15. VOL + / VOL -
Adjusts the volume.

16. CH+ / CH-
Selects programmed stations in AM/FM mode. Directly accesses the next or previous file in USB mode.

17. Operation Buttons (In USB mode only)
• Press **PLAY, STOP** and **PAUSE** to access the relative functions.
• Press **REV** or **FWD** starts reverse or forward accelerated play.
• Press **DISPLAY** to access MP3/WMA ID3 information and current play time, current play Folder and Track number, Play Mode.
• Press **REPEAT** to access the repeat function.
• Press **RANDOM** to turn on/off random playback.
• Press **INTRO** to enter intro mode.

18. SLEEP
Enters sleep mode and selects sleep time.

19. Source buttons
Selects audio sources.

7. EQ
Selects among preset equalizer mode (FLAT, POP, JAZZ, ROCK, CLASSIC, BASS and TREBLE). Press **▲ / ▼** to adjust the bass or treble level. This function is only available in Stereo mode.

8. SURROUND
Selects digital sound processors. (STEREO, HALL, CHURCH, CLUB, STADIUM, STUDIO, 3 STEREO, DOLBY PL EMULATION, DOLBY PL II MUSIC, DOLBY PL II MOVIE)

Advanced Sound Control

Fine Setting of the Components

You can select the surround mode by pressing **SURROUND** repeatedly to select among different options. (STEREO, HALL, CHURCH, CLUB, STADIUM, STUDIO, 3 STEREO, DOLBY PL EMULATION, DOLBY PL II MUSIC, DOLBY PL II MOVIE)

Source	Default input
DVD/DVR	Coaxial (DVD/COAX)
TV	Analog (TV/ANL)
SAT+CAB	Optical (SAT/OPT)
AM/FM	Built-in tuner
VCR	Analog (VCR/ANL)
USB	Digital
LINE-IN	Analog

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

DVD/DVR	Dolby Digital	N/A
TV	N/A	Pro Logic II Movie
SAT+CAB	Dolby Digital	N/A
AM/FM	AM/FM	Stereo
VCR	N/A	Pro Logic II Movie
USB	N/A	Stereo
LINE-IN	N/A	Stereo

Input Signal Setting

The unit defaults to the most convenient settings for your easiest use (see table).

If your connection is different from the default setting:

1. Select the source
2. Press the **SETUP** button to show setup options.
3. Press **◀ / ▶** until OPTICAL or COAXIAL is displayed.
4. Press **▲ / ▼** to select among optical/ coaxial to match your connection. Your selection will be stored automatically.

1. Press **TEST TONE** on the remote control. A short noise will be heard in the speakers one by one. The speaker having the noise at that moment will be shown in the display.
2. Turn the **VOLUME** knob or press **VOL +** or **VOL -** on the remote control to adjust the master volume (if necessary).
3. Press **TEST TONE** to exit.

1. To adjust individual speaker volume level, press **LEVEL** on the remote control.
2. Continue to press **LEVEL** on the remote control to select the channel to be adjusted, then press **▲ / ▼** to adjust the level.

Operating Your Unit

Selecting Source

When one of the **SOURCE** buttons on the front panel or on the remote control is pressed, the input corresponding to the name 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 the DVD input on the unit, press **DVD/DVR** on the front panel or on the remote control to receive the sounds transmitted by the DVD.

Example 2:
Based on the example 1, the DVD is playing , if a VCR is connected to the VCR input of the unit, press **VCR** on the front panel or on the remote control. The sound from the VCR source will replace the DVD.

You can connect up to 6 audio sources to this amplifier:

SOURCE	SOURCE buttons on remote control	Corresponding buttons on rear panel
DVD/DVR	DVD	DVD
TV	TV	TV
SAT+CAB	SAT	SAT/CAB
AM/FM	AM/FM	built-in
VCR	VCR	VCR
USB	USB	USB jack at front panel
LINE-IN	LINE IN	Line in jack at front panel

The source name selected 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. (See details in Radio section)
 - Other sources can be connected to the above standard source.
 - Connections at the back panel can be interchanged if sources have the same audio input. Example, you can connect a TV to VCR inputs and connect a VCR to TV input.

Advanced Sound Control

Speaker Configurations

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

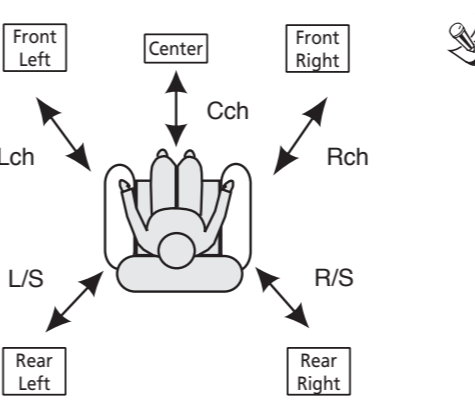
For optimum surround experience measure the distance between the speaker and your favorite listening position. Press **DISTANCE** to adjust the speakers' distance.

1. Press the **DISTANCE** button to show setup options.
2. Press the **DISTANCE** until the speaker you want to change is displayed.
3. Press **▲ / ▼** to change the speaker settings. Your selection will be stored automatically.
4. Repeat step 2 and 3 to set up the next speaker. You may adjust the distance within the following ranges:
 - Front Speaker distance (FRNT): 0-30 ft
 - Center Speaker distance (CNTR): 0-30 ft
 - Rear Speaker distance (SRR): 0-30 ft
5. When set up is done, wait for five seconds to automatically save your settings or press any buttons to save your selection and set up mode.

Factory defaulted Advance setting indication from VFD

The unit has defaulted the following distances:

- Front speakers (FRNT) 15 ft
- Center speaker (CNTR) 15 ft
- Rear speakers (SRR) 15 ft



Playing a DVD with the unit

1. Connect a DVD player to the unit.
2. Press **ON/STANDBY** on the main unit or press **ON/OFF** on the remote control to switch on the unit.
3. Press **DVD/DVR** on the main unit to select the DVD source.
4. Switch ON the DVD player and start playback.
5. Set the sound mode if needed (see "Advanced Sound Control" for details).

Example:
To play Dolby Prologic II Movie sound, press the **SURROUND** buttons until "Dolby PL II MOVIE" appears on the Display.

To play Dolby Digital sound, the source must be connected to the unit via the optical or coaxial terminal. Refer to "Input Signal Setting" of "Advanced Sound Control" for details.

Radio

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

Manual Tuning

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

Storing Radio Stations

The unit can store up to 40 radio stations (30 preset stations for FM and 10 preset stations for AM) in its memory. You can enter every single radio station yourself or the unit can store all available radio stations automatically in ascending order.

Operating Your Unit

Automatic Preset Programming

1. Press **AM/FM** to enter the AM/FM mode.
2. Press and hold **AM/FM** 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 40 (30 preset stations for FM and 10 preset stations for AM) memory locations are full, the auto preset programming function will stop.

Manual Preset

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

Retrieving Preset Stations

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



- Tips:**
- When the FM station broadcasts Stereo sound is found, STEREO is displayed.
 - 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.
 - A weak signal can affect the "Automatic preset programming" function's efficiency. Adjust the antenna for better reception and a more efficient search.

USB Mode

This unit allows you to connect your own USB storage devices such as mp3 players and USB flash memory. Connect the USB device first then you can start playback.

Connecting/Disconnecting USB Device to the Main Unit

Insert the USB device's port into the USB jack of the unit. Unplug the device to disconnect.

USB Device Playback Features (Only support MP3/WMA file)

1. Press **USB** on front panel or remote control to select USB mode.
2. Press **||** to start playback or press **|||** to pause playback.
3. Press **■** to end playback.
4. Press **CH+/-** on the remote control or **◀ / ▶** on the front panel to skip to the previous or next file.
5. Press **REPEAT** on the remote control to select repeat mode. (REPEAT ONE, REPEAT FOLDER, REPEAT ALL, REPEAT OFF)
6. Press **RANDOM** on the remote control to select random play mode. (RANDOM ON, RANDOM OFF)
7. Press **INTRO** on the remote control to turn on/off intro mode. The unit will play the first ten seconds of each track on the USB device.
8. Press **DISPLAY** on the remote control to select among mp3/WMA ID3 information, elapsed time, current play Folder and Track number and Play Mode.

Line in Mode

1. Connects one end of the 3.5mm stereo cable 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.
2. Press **LINE-IN** on the front panel or the remote control to select line in mode.



- Tips:**
- The songs in the root directory will be played first before all the sub-folders and songs under the first folder is played.
 - This unit supports over 64K WMA bitrate.
 - Maximum ID3 characters that can be displayed are 30 characters
 - Only English characters are supported.
 - Other characters may not be shown properly.

Advanced Sound Control

Sound Enhancement Systems

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



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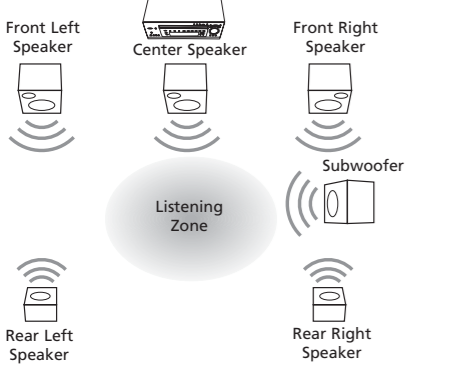
Dolby Digital
The Dolby Digital mode lets you enjoy full digital surround from software processed in the Dolby Digital format. Dolby Digital provides better sound quality and more powerful presence than conventional Dolby Surround.

This unit is equipped with Dolby Digital 5.1-channel so that you can enjoy enhanced full digital surround sound. Being different from Dolby Pro Logic in which only four channels (Front Left, Front Right, Center and Rear) are used, the new system provides stereo separation of the rear speakers (Rear-Right, Rear-Left). These 5 channels, together with the subwoofer channel for bass sounds (counted as 0 channels), constitute as 5.1-Channel (or 6 Channels) Input for Dolby Digital that brings 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 Emulation.

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



Care and Maintenance

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.

Technical Specifications

Amplifier Section

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

FTC Output Power: Dolby Digital Mode with 10% Total Harmonic Distortion
Front Channels (L and R): 75 Watts per channel (1KHz, 8 Ohm)
Rear Channels (L and R): 75 Watts per channel (1KHz, 8 Ohm)
Center Channel: 155 Watts (1KHz, 8 Ohm)
Subwoofer Channel: 155 Watts (80Hz, 8 Ohm)
Total FTC Output Power,
Dolby Digital mode: 610 Watts

Muting Attenuation: 65dB
Frequency Response: 200Hz-3dB, 1kHz ref.
Subwoofer Frequency Response:
10 Hz / -3db, 80Hz ref.
Signal to Noise Ratio: 65dB
(Dolby digital mode)

AM Tuner Section

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

FM Tuner Section

Frequency Response: 15kHz +/-3dB, 1kHz ref.
Quieting: 24dBu
Signal to Noise: 60dB(stereo) / 65dB(mono)
IF Rejection: 50dB

Dimensions (H x W x D mm)

Unit: 430 x 140 x 347
Front and Surround Speakers: 143 x 80.5 x 93.7
Center Speaker: 80.5 x 271 x 72
Subwoofer: 355 x 195 x 325

U.S. Limited Warranty

What your warranty covers:

- Defects in materials or workmanship.

For how long after your purchase:

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

What we will do:

- Provide you with a new, or at our option, a refurbished unit. The exchange unit is under warranty for the remainder of the original product's warranty period.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

How to make a warranty claim:

- Properly pack your unit. Include any cables, etc., which were originally provided with the product. We recommend using the original carton and packing materials.
- Include evidence of purchase date such as the bill of sale. Also print your name and address and a description of the defect. Send via standard UPS or its equivalent to:

Thomson Inc.
Product Exchange Center
11721 B Alameda Avenue
Socorro, Texas 79927

- Insure your shipment for loss or damage. Thomson accepts no liability in case of damage or loss en route to Thomson.
- Pay any charges billed to you by the Exchange Center for service not covered by the warranty.
- A new or refurbished unit will be shipped to you freight prepaid.

What your warranty does not cover:

- Customer instruction. (Your Owner's Manual provides information regarding operating instructions and user controls. For additional information, ask your dealer.)
- Installation and set-up service adjustments.
- Batteries.
- Damage from misuse or neglect.
- Products which have been modified or incorporated into other products.
- Products purchased or serviced outside the USA.
- Acts of nature, such as but not limited to lightning damage.

U.S. Limited Warranty

Product Registration:

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

Limitation of Warranty:

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

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

How state law relates to this warranty:

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

If you purchased your product outside the USA:

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

Troubleshooting Tips

Unit/AM/FM Operation

ST indicator is off.

- 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 units (e.g. DVD, 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.

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.

Note