RCA

u s e r
m a n u a l

RS2050
RS2054

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

Es importante leer este manual antes de usar por vez primera su euipo.

FCC Information

FCC Information

EN

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.

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.
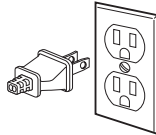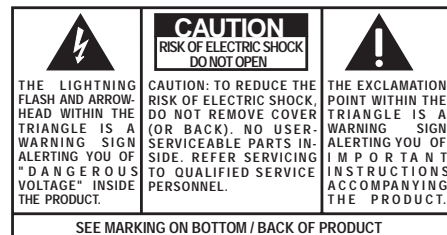
CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

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

Have a Blast- Just Not in Your Eardrums
Make sure you turn down the volume on the unit before you put on headphones. Increase the volume to the desired level only after headphones are in place.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
THE LIGHTNING FLASH AND ARROW-HEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.	CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS IN-SIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.

SEE MARKING ON BOTTOM / BACK OF PRODUCT

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

Technical specification

Product: Audio System with mp3 Player
Brand: RCA
Model: RS2050/RS2054

Electrical Consumption:

Power Supply: 120V~60Hz
Power consumption: 110 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.
Telefono: 52-55-11-020360
RFC: CTM-980723-KS5

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.

Service Information

This product should be serviced only by those specially trained in appropriate servicing techniques. For instructions on how to obtain service, refer to the warranty included in this Guide.

EN

For mp3 player only

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

FC RCA RS2050	**FC** RCA RS2054
Equipment tested for compliance as a complete unit	Equipment tested for compliance as a complete unit

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The descriptions and characteristics given in this document are given as a general indication and not as a guarantee. In order to provide the highest quality product possible, we reserve the right to make any improvement or modification without prior notice. The English version serves as the final reference on all products and operational details should any discrepancies arise in other languages.

Important Information

EN

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 use your System immediately after transporting it from a cold place to a warm place, as condensation may cause the system to malfunction.
- Keep your unit away from humid areas and abnormally hot places.
- Do not touch the player with wet hands. If any liquid enters the player cabinet, take the player to a trained technician for inspection.
- This compact disc player uses a laser to read the music on the disc. The laser mechanism corresponds to the cartridge and stylus of a record player. Although this product incorporates a laser pick-up lens, it is completely safe when operated according to directions.
- Discs rotate at high speed inside the player. Do not use damaged, warped, or cracked discs.
- Do not touch the pick-up lens which is located inside the disc compartment. To keep dust from collecting on the pick-up lens, do not leave the compartment door open for an extended period of time. If the lens becomes dirty, clean it with a soft brush, or use an air blower brush designed for camera lenses.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

- Minimum distances around the apparatus for sufficient ventilation .
- The ventilation should not be impeded by covering the ventilation opening with items, such as newspaper,table-cloths,curtains,etc.
- No naked flame sources,such as lighted candles,should be placed on the apparatus.
- Attention should be drawn to the environmental aspects of battery disposal .

Precautions for the mp3 Player

- Do not use the unit immediately after transportation from a cold place to a warm place; condensation problem may result.
- Do not store the unit near fire, places with high temperature or in direct sunlight.
- Do not operate or store unit in places with frequent static electricity or electrical noise (e.g. speaker, TV set).
- Clean the unit with a soft cloth or a damp chamois leather. Never use solvents.
- The unit must only be opened by qualified personnel.

Note:

This unit may temporarily cease to function if subjected to electrostatic disturbance. To resume normal operation, it may be necessary to cycle the power off and back on or to remove and reinstall the batteries.

Important Information

EN

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 under the following circumstances:
  - 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.

Headset Safety

- Do not play your headset at high volume. Hearing experts warn against extended high-volume play.
- If you experience ringing in your ears, reduce volume or discontinue use.
- You should use with extreme caution or temporarily discontinue use in potentially hazardous situations.
  Even if your headset is an open-air designed to let you to hear outside sounds, do not turn up the volume so high that you are unable to hear what is around you.

Caution While Driving

Use of headphones while operating an automobile or moving vehicle is not recommended and is unlawful in some states and areas. Be careful and attentive on the road. Stop operation of the unit if you find it disruptive or distracting while driving.

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.

Table of Contents

Getting Started

Content of Box

- one main unit (with 2 main speakers);
- one remote control;
- one AM loop antennas;
- one mp3 Player;
- one user manual;
- one safety leaflet;
- Owner registration Card.

Warning:

Use of this product is for your personal use only. Unauthorized recording or duplication of copyrighted material may infringe upon the rights of third parties and may be contrary to copyright laws.
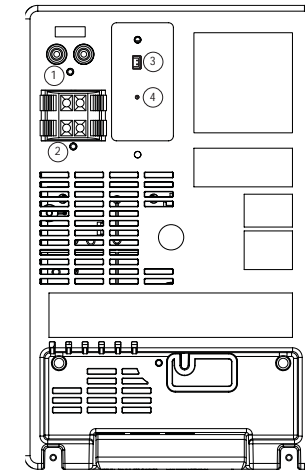
Note:

Make sure the tracks are encoded in mp3 or Windows Media formats and supported bitrates. Bitrates supported by the player:

mp3 – 32 to 320kbps

wma - 48 to 160kpbs

Connections of Antennas and Speakers

EN

1. AUX IN.
2. Main Speaker terminal tabs.
3. AM Loop antenna Jacks.
4. FM Pigtail Antenna.

Getting Started

General Controls

Using the FM and AM Antennas

Before you use your audio system, you'll want to make sure both the FM and AM antennas are positioned properly. Uncoil the FM antenna at the back of the unit, making sure it is fully extended (you may even want to tape it to the wall behind the unit if possible. The higher the better.) You'll also need to connect the AM antenna loop to the back of the unit if you listen to AM stations. Rotate the AM loop antenna for better reception.
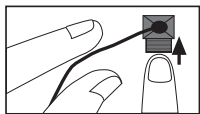
Connecting the Speakers

Speaker terminal tabs marked L are for left while R are for right. Each speaker has a black (negative) and a red (positive) wire. When connecting the speakers, match the red wires to the red jacks and the black wires to the black jacks.

Speaker Wire Connection
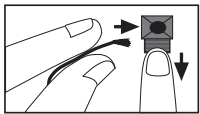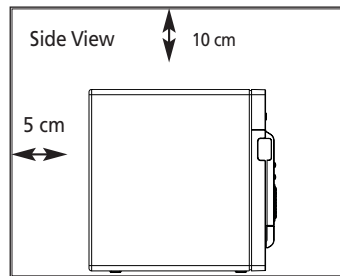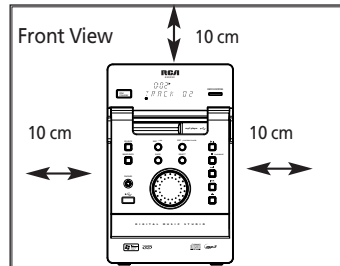
Push Speaker terminal tab down to insert wire.

Release tab to lock wire in the terminal.

NOTE: Make sure the insulation is completely removed from the ends of the speaker wires at all connection points.
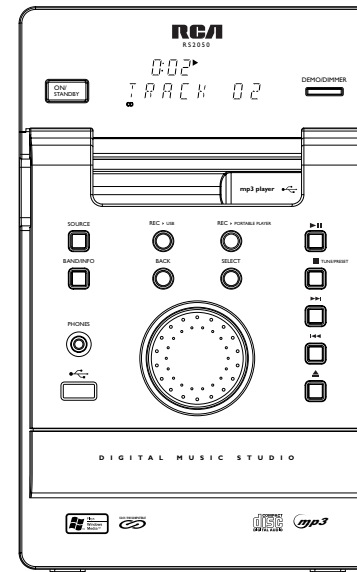
Installation

To ensure sufficient ventilation, keep the spacings shown below free from other surfaces:

Front View   10 cm

10 cm   10 cm

Side View   10 cm

5 cm

Main Unit - Front View

ON/STANDBY - Press briefly to turn on and off the unit.
DEMO/DIMMER - Activates and deactivates demonstration.

Tips:

In STANDBY mode, press **ON/STANDBY** to turn the system on in the previously used mode. Press SOURCE to select the corresponding mode. Look at the display icons to identify the current mode.

SOURCE - Selects among CD player, tuner, USB, mp3 player and AUX.
BAND/INFO - *In CD mode* - Selects display options to show track elapse time, track remain time or disc remain time.
In mp3 / WMA mode - Shows ID3 tag.
In USB / mp3 player mode - Shows memory usage.
In Tuner mode - selects radio band.
REC ► USB - Starts and stops record to USB device.
REC ► PORTABLE PLAYER - Starts and stops record to mp3 player.
BACK - *In navigation mode* - navigates backwards.
In rename mode - edits previous alphabet
SELECT - *In mp3 / WMA / USB stop mode* - Enters navigation mode.
In navigation mode - navigates forward.
In rename mode - confirms the editing alphabet
►❚❚ (PLAY/PAUSE) - Starts and pauses playback for CD, USB and mp3 player.
■ TUNE/PRESET - Stops CD, USB and mp3 player
In record mode - stops recording.
In Tuner mode - selects tune or preset mode.
►►❘ (SKIP FORWARD) - *In CD mode* - Goes to the next CD track and setting options; searches forward through CD;
In USB and mp3 player mode - Skips to the next file;
In Tuner mode - Tunes up radio frequency.
❘◄◄ (SKIP BACKWARD) - *In CD mode* - Goes to the previous CD track and setting options; searches backward through CD;
In USB and mp3 player mode - Skips to the previous file;
In Tuner mode - Tunes down radio frequency.

3

4

General Controls

▲ - Opens or closes the disc tray.
VOLUME CONTROL - Adjusts volume (except in navigation mode).
In mp3 / WMA / USB navigation mode - Rotate clockwise to navigate downwards and rotate counter-clockwise to navigate upwards.
PHONES - Jack for connecting headphones
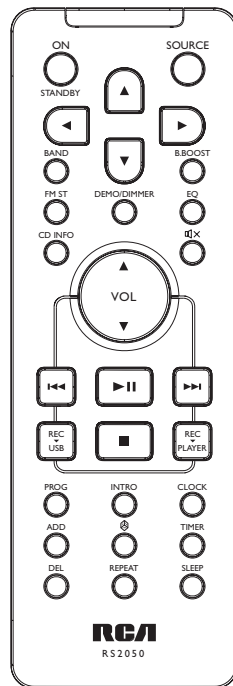•← **USB socket** - connects USB devices
mp3 player •← - connects mp3 player

Note:

Refer to "mp3 Player" section on page 22-24 for mp3 player operation details.

Remote Control

ON/STANDBY - Press briefly to turn on and off the unit.
SOURCE - Selects among CD player, tuner, USB, mp3 player, and AUX.
△ (**UP**)- *In navigation mode* - Navigates upwards and move up a list.
In tuner mode - selects the next preset number.
In rename mode - selects alphabets
▽ (**DOWN**)- *In navigation mode* - Navigates downwards and move down a list.
In tuner mode - Selects the previous preset number.
In rename mode - selects alphabets

General Controls

◁ (**LEFT/BACK**) - *In navigation mode* - Navigates backwards.
▷ (**RIGHT /ENTER**) - Enters navigation mode form mp3 / WMA / USB stop mode.
In navigation mode - Navigates forward.
BAND - *In Tuner mode* - selects radio band.
B. BOOST - Turns on or off Bass Boost.
FM ST - Selects between stereo and mono sound in FM tuner mode.
EQ - Selects equalizer presets.
DEMO/DIMMER - Activates and deactivates demonstration.
Adjusts the brightness of display.
CD INFO - *In CD mode* - Selects display options to show track elapse time, track remain time or disc remain time.
In mp3 / WMA mode - Shows ID3 tag.
In USB / memory card mode - Shows memory usage.
⊠ - Mutes audio output.
VOL ▼ or ▲ - Decreases or Increases volume level.
⏮ (**SKIP BACKWARD**) - *In clock and timer setting mode* - Goes to the previous setting option. *In CD / USB / mp3 player mode* - Goes to the previous track; searches backward through CD;
In Tuner mode - Tunes down radio frequency.
⏯ (**PLAY/PAUSE**) - *In CD / USB / mp3 player mode* - Starts and pauses playback.
⏭ (**SKIP FORWARD**) - *In clock and timer setting mode* - Goes to the next setting option. *In CD / USB / mp3 player mode* - Goes to the next track; searches forward through CD;
In Tuner mode - Tunes up radio frequency.
REC ▶ USB - Starts and stops record to USB device.
REC ▶ PLAYER - Starts and stops record to mp3 player.
■ **TUNE/PRESET** (**STOP**) - *In TUNER mode* - Selects tune or preset mode.
In CD / USB / mp3 player mode - Stops playback;
In record mode - stops recording.
PROG - *In CD, USB, mp3 player and Tuner mode* - Enters program mode.
In navigation mode - enters rename mode and store new file names

INTRO - *In CD / USB and mp3 player mode* - Turns intro mode on or off to play the first 10 seconds of each track / file.
CLOCK - Displays clock time. Press and hold to enter clock setting mode.
ADD - *In CD / USB / mp3 player mode* - Adds track / file to Program List.
⟳ - *In CD / USB / mp3 player mode* - Turns on/off random playback.
TIMER - Enters timer setting mode. Activates and deactivates timer.
DEL - When reviewing program, removes track / file from Program List.
In USB / mp3 player mode - Removes file from the connected mp3 player.
In rename mode - deletes current alphabet
REPEAT - *In CD mode* - Repeats a track or CD.
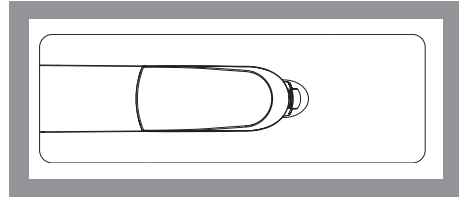*In USB / mp3 player mode* - Repeats one file or repeats all files.
SLEEP - Selects the time interval in minutes before the unit turns off.
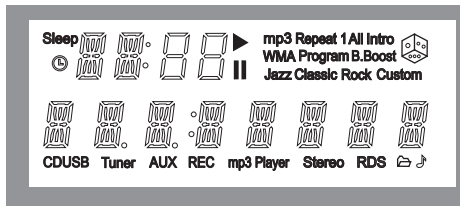
General Controls

Installing Batteries

The remote control must be inserted with 2 "AAA" or "UM-4" or "R03" batteries prior to use. Follow the steps below to ensure correct installation.

1. Open the battery compartment door by pressing down on the tab and then lifting the door out.
2. Insert "AAA"(UM4) batteries in the compartment.
3. Replace the battery compartment door in place.

Display

Sleep

mp3 Repeat 1 All Intro
WMA Program B.Boost
Jazz Classic Rock Custom

CDUSB Tuner AUX REC mp3 Player Stereo RDS

CD / Tuner / USB / mp3 player / AUX - indicates the current mode.
REC - Recording is activated.
Stereo - In FM tuner mode, indicates stereo sound is selected.
   - Folder in navigation mode.
   - Track in navigation mode.
mp3 / WMA - Current CD format.

Program - In program mode.
Repeat 1 / Repeat ALL - Indicates the repeat option that is activated.
Repeat 1 - Repeats current track.
Repeat All - Repeats all the tracks.
Intro - Intro is activated so the first 10 seconds of each track will be played.

Jazz / Classic / Rock / Custom - Current equalizer setting.
B.Boost - Bass boost is activated.
   - Random playback is activated in CD mode.
Sleep - Sleep is activated.
   - Timer is activated.
► - Currently in playback mode.
II - Currently in pause mode.

Settings

Showing Demonstration

Press **DEMO/DIMMER** to turn on/off demonstration mode. The demonstration scrolls through all display operations.

Setting the Clock

1. Press and hold **CLOCK** on the remote control until the hour flashes on the display.
2. Press ◄◄ or ►►I to set the hour and then press **CLOCK** to shift to minute digits.
3. Press ◄◄ or ►►I to set the minute.
4. Press **CLOCK** twice to save and quit settings.

Note:

When system is ON, you can press **CLOCK** to display the current time for about 2 seconds.

Setting the Timer

1. Press and hold **TIMER** on the remote control until Timer On and the clock hour flashes on the display.

ON
2:00
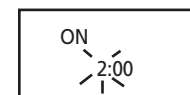
2. For setting time, press ◄◄ or ►►I to set the hour and then press **TIMER** to shift to minute digits.
3. Press ◄◄ or ►►I to set the minute.

4. Press **TIMER** to change to Timer Off setting with clock time flashing. Repeat steps 2 & 3 for timer off time setting.

OFF
0:00
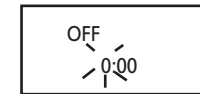
5. Press **TIMER** to select source. Press ◄◄ or ►►I to select TUNER / REC TUNER / DISC / USB / PLAYER.
   If TUNER REC is selected, press ◄◄ or ►►I to select the preset station.

PRE 01

6. Press **TIMER** to set volume. Adjust **VOLUME CONTROL** to select desired volume level.

VOL 10

7. Press **TIMER** to save and quit settings.

The timer is automatically activated once timer setting is saved.

Activating the Timer

Press and release **TIMER** to turn on/off the alarm. The timer icon is displayed when timer is activated.

7   8

Settings

Sleep Mode

You can select the time interval in minutes before the unit turns off automatically.
Press **SLEEP** to select among OFF, 120, 90, 60, 45, 30, 15 and 5 minutes.
The SLEEP icon lights on the display when sleep mode is activated.

View Remaining Sleep Time

When sleep is activated, press **SLEEP** once to view remaining sleep time.

Adjust Sleep Time

Press **SLEEP** again when the remaining sleep time is displayed to change sleep time.

Note:

Sleep is automatically de-activated when the unit is turned off.

Sound Features

Volume Control

Rotate the volume control on the main unit or press **VOL** ▲ or ▼ on the remote control to adjust volume level. The volume level shows briefly on the display.

Bass Boost

Press **B.BOOST** to turn on/off boosting the bass frequency. The B.Boost icon lights on the display when it is activated.

Muting Audio

Press ⊄× on the remote to cut the sound (Remote Only). MUTE flashes on the display.

Using Preset Equalizer Curves

Press **EQ** to toggle among FLAT, JAZZ, CLASSIC, ROCK, and CUSTOM. The display shows your selection briefly and the relative icon lights on the display.

Creating a Custom Curve

1. Press **EQ** to select CUSTOM mode.
2. While CUSTOM is displayed, press ▶▶ or to ◀◀ cycle among displayed bass and treble range levels.
3. While BAS and TRE is displayed, adjust volume control to set the associated gain between -10 - +10.
4. Press **EQ** to exit.

EQ		EQ
BAS +08	or	TRE +02

CD and mp3 Disc Playback

Important CD and mp3/WMA Information

CD-R / RW

This unit is compatible with CD-RW/ CD-R discs for playback.

Notes on CD-R/RW Disc:

• Do not affix any type of labels to either side (recordable or labeled side) of a CD-R/RW disc as this may result in the unit malfunctioning.
• To avoid damages to the CD-R/RW disc, do not open the disc compartment door while the disc is being read.
• Do not load an unrecorded CD-R/RW disc into the unit. This may take a longer time to read the disc.
• Playback capability for CD-RW discs may vary due to variations in the quality of the CD-RW disc and the recorder used to create the disc.

Notes on mp3/WMA Disc:

• Use .mp3 as the extension when converting audio files into mp3 for saving onto CD-R(W) or CD-ROM, e.g. Abc08.mp3. Do not use any other extension e.g. .doc, .pdf.
• Do not use the .mp3 extension for other text or non-audio data files as this may result in serious malfunction and harmful noise interference.
• For better quality in mp3/WMA disc playback, the CD quality should be recorded 128kbps or above.
• Disc data size > 650MB is not recommended.
• Total files and folders in the disc should not exceed 250, it also depends on the length of the file/folder names.
• For mixed mode discs, only one mode will be selected for playback depending on the recording format.
• To ensure good performance, wait until the disc changer completely reads the disc before proceeding.
• mp3 files in CD ROM EXTRA format disc cannot be recognized.

CD and mp3 Disc Playback

CD and mp3 Disc Playback

Loading Discs

1. Press **SOURCE** repeatedly to select CD mode.
2. Press **OPEN/CLOSE** ⏏ to open the disc compartment.
3. Insert disc with label facing up.
4. Press **OPEN/CLOSE** ⏏ again to close the disc compartment.

If the disc is a mp3 / WMA CD, the respective MP3 and WMA icon lights on the display during playback.

Note:

Be sure to remove disc from the disc compartment before moving or transporting the unit!

Play and Pause Disc

• **To play disc in the disc compartment**,
  - press ►❙❙ in stop mode to begin playback.
• During mp3 / WMA playback, the display show ID3 tags (Title, Artist and Album).

Audio CD	mp3 / WMA CD
0:01 TRACK 01	0:00 ID3 tag

• Press ►❙❙ during playback to pause disc. Press again to resume.

Attention:

Do not push to force closing of the tray during CD playback or tray opening.

Stop Playback

During playback, press ■ to stop playback. The unit returns to navigation mode briefly (approx. 10 seconds) before entering stop mode.

Navigation mode:

Audio CD	mp3 / WMA CD
00:48 TRACK 01	02 FOLDERS

Stop mode:

Audio CD	mp3 / WMA CD
43:55 TOTAL 12	184 TRACKS

Searching Through a CD

• Press ❙◄◄ / ►►❙ to skip to the previous or next track.
• Press and hold ❙◄◄ / ►►❙ to search through a CD while it is playing.

Tips:

In CD stop mode, press ▷ to enter navigation mode and show disc menu.

In CD navigation mode, press ◁ to return to stop mode.

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USB and mp3 player

The playback controls of USB devices and mp3 player are basically the same. Connect the devices first before starting playback.

Connecting USB devices to the Main Unit

Insert the USB port of the USB device you want to connect into the USB connector of the main unit. Unplug the device to disconnect.

Connecting the mp3 Player to the Main Unit

1. Press and hold the lock button on the back of the player and push the USB connector out from the player.
2. Insert the USB port of the mp3 player into the USB connector for the player of the main unit.

Insert mp3 player here

Insert USB device here
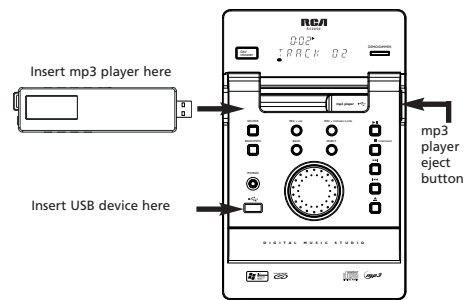
Disconnecting the mp3 player from the Main Unit

Press eject button on the right side of the unit to disconnect the player from the Audio System.

Press to disconnect player

Side View

mp3 player eject button
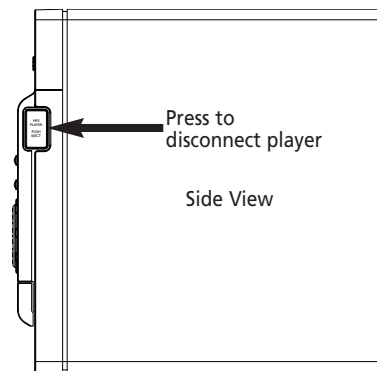
USB and mp3 player

Selecting USB or mp3 player Mode

Press **SOURCE** repeatedly to select USB or mp3 player mode.

USB / mp3 player Playback Features

Start and Pause Playback

Press **PLAY / PAUSE** ►❚❚ to start or pause playback.

Stop Playback

Press ■ to stop playback operations.
The unit enters navigation mode for 10 seconds before entering stop mode.

Stop Mode   Navigation Mode

02	02
TRACKS	FOLDERS
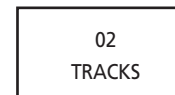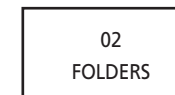
Tips:

In stop mode, press ▷ **(RIGHT / ENTER)** to enter navigation mode and show disc menu.

In navigation mode, press ◁ **(LEFT / BACK)** to return to stop mode.

Skipping Files

- Press ◄◄ / ►► to skip to the previous or next file.
- Press and hold ◄◄ / ►► to search through a file while it is playing.

Memory Usage

Press **BAND/INFO** on the main unit or **CD/INFO** on remote to view memory usage on the USB device or the mp3 player.

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14

Radio

Recording

Selecting Tuner Band

1. Press **SOURCE** to enter Tuner mode.
2. Press **BAND/ INFO** to select between FM MW or LW Radio band.

Tuning to a Station

Press ◄◄ or ►► to select frequencies. Press and hold ◄◄ or ►► to scan frequencies.

Using Presets

The tuner can be in either TUNE or PRESET mode.
- Press ■ to toggle TUNE and PRESET mode until "**Program**" lights on the display.
- Press ◄◄ or ►► to access the previous or next preset station.

```
FM02     Program
    91.10MHZ
```

Tips:

Under **PRESET** mode, press ◄◄ or ►► can only acess the preset stations. Manaully tuning is not accessible in this mode.
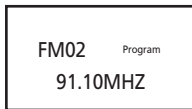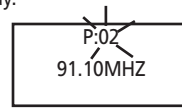
Auto Preset Programming (FM only)

Press and hold the **BAND/ INFO** button for 2 seconds to scan stations in FM band. The stations will then be stored as preset channels. A maximum of 32 stations can be stored. Beware of your preset channels being erased accidentally because the scanning and storing process is automatic upon pressing the button. You can stop the automatic scan by pressing any button, but the erased stations cannot be recovered.

```
FM
    AUTO
```

Manually Setting Presets

1. Press the ■ button to enter TUNE mode.
2. Press ◄◄ or ►► to access the desired frequency.
3. Press the **PROG** button once and the most recently accessed program location flashes on the display.

```
P:02
91.10MHZ
```

4. If a different program location is preferred, press ◄◄ or ►► to move to the desired preset number (1-32).
5. Press **PROG** to store the selected frequency at that preset.
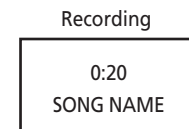
Suppressing Stereo Signal

Press **FM ST** to toggle between FM mono and stereo mode. (Remote Only) "STEREO" is displayed in stereo mode.

Recording to mp3 player or USB device are basically the same. You can record CD, Tuner or AUX files to the mp3 player or USB device.

Recording CD to mp3 Player

Recording Standby
1. Connect the mp3 player to the USB port, "USB Connected" will show on the display.
2. In CD stop mode, CD navigation mode or CD pause mode, press **REC ► PORTABLE PLAYER**.
3. Press ►❙❙ to start CD playback and recording will begin. This is indicated by the **REC mp3Player** icon on the display.
4. Press ■ to stop recording.

```
Recording

0:20
SONG NAME
```

Example
(To record only selected tracks from a CD):
1. Create a CD program by following instructions under "Setting Up a Program List" on page 18.
2. In CD stop mode or navigation mode, press **REC ► PORTABLE PLAYER**.
3. From normal playback mode, press **PROG** to enter program play mode. Playback and recording begins automatically. The **Prog** icon lights and **REC mp3Player** icon flashes on the display.
4. Press ■ or **REC ► PORTABLE PLAYER** to stop recording.

Instant Recording
1. In CD playback mode, press **REC ► PORTABLE PLAYER** to start recording. **REC mp3Player** icon flashes on the display.

Tips:

If CD playback is already started, recording will begin instantly when **REC ► PORTABLE PLAYER** is pressed.

If CD playback is stopped, playback and recording will start instantly when **REC ► PORTABLE PLAYER** is pressed.
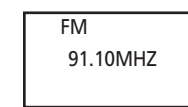
Tips:

Recording stops automatically when CD stops (Example: end of disc is reached).

Recording Tuner / AUX to mp3 player

Instant Recording
1. In Tuner or AUX mode, press **REC ► PORTABLE PLAYER** to start recording.

```
Recording

FM
    91.10MHZ
```

Example
1. In radio mode, select the station to record (refer to page 15 for details).
2. Press **REC ► PORTABLE PLAYER** to start recording.
3. Press ■ or **REC ► PORTABLE PLAYER** to stop recording.

Note:
The encoding bitrate for tuner, CD and AUX signal are as below:
CD / Aux : 128 kbps
Tuner : 96 kbps

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Recording

Advanced Playback Controls

Program Recording

Use Program Recording to preset the unit to record your favorite radio program.

1. Press and hold **TIMER** on the remote control until Timer On and the clock hour flashes on the display.
2. For setting time, press ◄◄ or ►► to set the hour and then press **TIMER** to shift to minute digits.
3. Press ◄◄ or ►► to set the minute.
4. Press **TIMER** to change to Timer Off setting with clock time flashing. Repeat steps 2 & 3 or timer off time setting.
5. Press **TIMER** repeatedly to select **REC TUNER**.
6. Press ◄◄ or ►► to select the preset station.
7. Press **TIMER** to set volume. Adjust **VOLUME CONTROL** to select desired volume level.
8. Press **TIMER** to save and quit settings. The timer is automatically activated once timer setting is saved. Recording will start at the preset time.

Tips:
To view elapsed recording time and remaining time, press **BAND/INFO** on the main unit or **CD INFO** on the remote in recording mode.

Elapsed recording time — 0:22 — Remaining Time
146:14

Recording to USB Device

Follow the steps of "**Recording CD / Tuner / AUX to mp3 player**" in the last section by pressing **REC ► USB** instead of **REC ► PORTABLE PLAYER**. **REC USB** will flashes on the display while recording.

Tips:
Make sure "write protect" is turned off in the USB device during recording.

Deleting Files from mp3 Player/USB device

1. In navigation mode, select the file to delete using the navigation buttons (Refer to "Navigation Controls" for details.)

SONG01

2. Press **DEL** on the remote control.

DEL
YES   *NO

3. Rotate the Volume button on the main unit or press △ or ▽ on the remote control to select Yes to delete or No to cancel.
4. Press **SELECT** on the main unit or ▷ on the remote control to confirm selection.

04
TRACKS

Deleting All Files

In navigation mode, press and hold **DEL** on the remote control to delete all the files on the mp3 player.

In CD / USB / mp3 mode, advanced playback controls allow you to sample, repeat and radom playback files, set up a Program List. In mp3 / WMA / USB mode, allow you to rename tracks.

Sampling Files

Press **INTRO** on the remote control to play the first 10 seconds of each track/file.
INTRO is displayed when sampling is activated.
Press **INTRO** again to turn intro mode off.

Repeat

Press **REPEAT** on the remote control to toggle repeat options:
Repeat the current file (Repeat 1),
Repeat all the tracks (Repeat All), or
Normal playback.

Random Playback

Press ⊛ on the remote control to turn on/off random playback. ⊛ icon is displayed when it is activated.

Setting Up a Program List

1. In navigation mode, use the navigation controls to select the track to add to Program List.
2. Press **ADD** to save the selected track into the next available program location.
3. Repeat steps 1 to 3 to store more tracks into program memory.

P:02
ADD TO

Tips:
You can create a program of up to 32 tracks.

Tips:
In CD stop mode, press **PROG** to toggle between program mode and normal mode.

Note:
Each source mode has an individual Program List.

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18

Advanced Playback Controls

Advanced Navigation Controls

Playing a Program List
While in PROGRAM stop mode , press ►II.
If you are not currently in program mode, press **PROG** to enter program mode. Program playback begins automatically.

Display Program List
1. While the CD player is stopped, press **PROG** to enter PROGRAM mode. Program playback begins automatically after entering program mode.
   To display program list, press ■ .

PROG 30

2. Press △ / ▽ repeatedly to view each track assignment in the program list.

Deleting from Program List
1. While in PROGRAM mode, press △ / ▽ to select the program to delete.
2. Press **DEL**.
3. Press △ / ▽ to select between No and Yes.
4. Press ▷ to confirm selection.

Deleting the Entire Program List
1. While in PROGRAM mode, press △ / ▽ to select the program to delete.
2. Press and hold **DEL**.

Rename Tracks
You can rename tracks in USB device or mp3 player.

1. In mp3 / WMA / USB navigation mode, press PROG on the remote control to enter rename mode.
2. Press ▲ or ▼ to select alphabets.
3. Press SELECT to confirm the current alphabet and move to the next alphabet.
4. Press PROG to confirm and store the new file name after editing the last alphabet.
5. Press BACK to edit the previous alphabet.
6. Press DELETE to delete the alphabet.
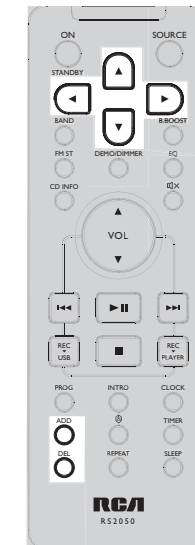
File Navigation
Main Unit
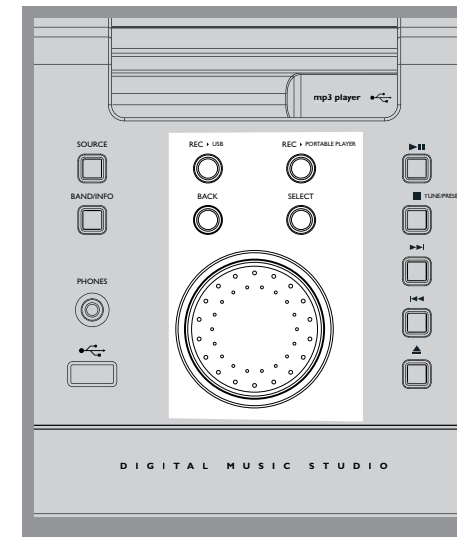
SELECT - Enters navigation mode from mp3 / WMA / USB stop mode.
Enters selected folder in navigation mode.
Begins playback of the selected file in navigation mode.
BACK - Goes back up one level in navigation mode; returns to stop mode from navigation mode when at root level.
REC ► USB - Starts and stops record to USB device.
REC ► PORTABLE PLAYER - Starts and stops record to mp3 player.
Volume Control - Rotate clockwise to navigate downwards.
Rotate counter-clockwise to navigate upwards.

Remote Control

◁ (**LEFT / BACK**)- Navigates backwards.
Returns to the previous navigation menu level.
Returns to stop mode from navigation mode.
▷ (**RIGHT / ENTER**)- Navigates forward.
Enters navigation mode from mp3 / WMA / USB stop mode.
Enters current folder and shows the first file/folder from current folder.
△ (**UP**) - Navigates upwards.
Enters navigation mode from mp3 / WMA / USB / memory card stop mode.
Selects previous file/folder on the navigation menu.
▽ (**DOWN**)- Navigates downwards.
Enters navigation mode from mp3 / WMA / USB stop mode.
Selects next file/folder from the navigation menu.
ADD - *In mp3 / WMA / USB navigation mode* - adds the selected file into Program List.
DEL - When reviewing program, removes the selected file from Program List.
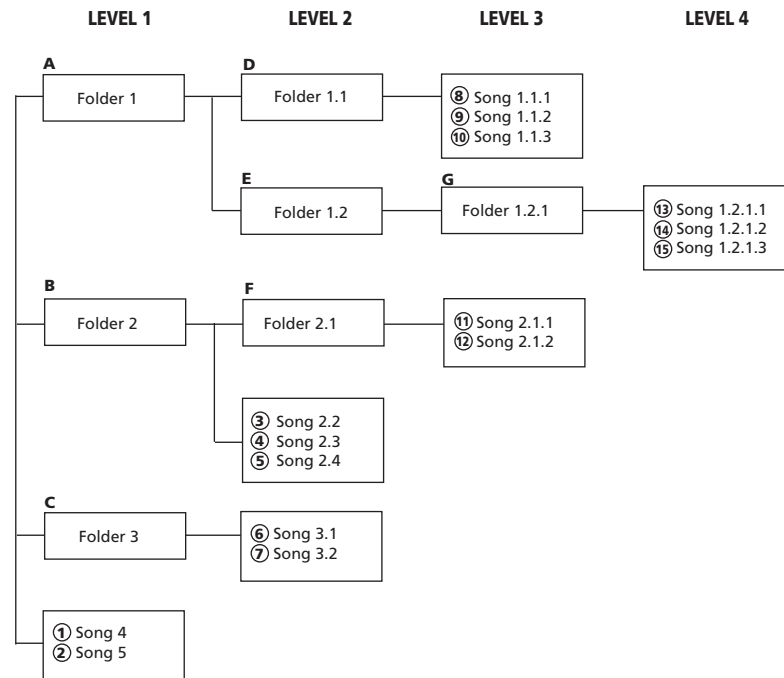*In USB / mp3 mode* - Deletes selected file.

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Advanced Navigation Controls

mp3 Player

Tips on Playback Sequence of Disc

- Check that the mp3/WMA disc is created with a single folder structure. Refer to the diagram below for playback sequence details on multi-level folder structure.
- For example, folders and songs from level 2 are played before moving on to play folders and songs from level 3.

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4

A
Folder 1

D
Folder 1.1
⑧ Song 1.1.1
⑨ Song 1.1.2
⑩ Song 1.1.3

E
Folder 1.2
G
Folder 1.2.1
⑬ Song 1.2.1.1
⑭ Song 1.2.1.2
⑮ Song 1.2.1.3

B
Folder 2
F
Folder 2.1
⑪ Song 2.1.1
⑫ Song 2.1.2

③ Song 2.2
④ Song 2.3
⑤ Song 2.4

C
Folder 3
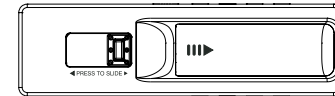⑥ Song 3.1
⑦ Song 3.2

① Song 4
② Song 5

Note:

- Folder playback sequence is indicated by the letters A to G.
- Song playback sequence is indicated by the numbers (1 to 15) in front of the song name.

Insert battery into the player

1. Slide the battery door by following the direction of arrow.

2. Insert a "AAA"(UM4) battery with polarities corresponding to the indications in the compartment.
3. Replace the door to the battery compartment.

Note:

This unit may temporarily cease to function if subjected to electrostatic disturbance. To resume normal operation, it may be necessary to cycle the power off and back on or to remove and reinstall the batteries.

General Controls
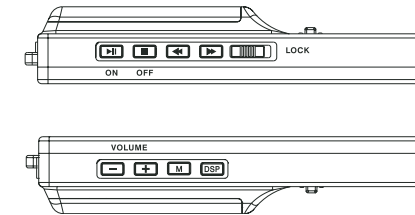
►❙❙ - Press once to turns the unit on. In play mode, press once to starts and pause music playback.

■ - In stop mode, press once to turn off the unit. Press once to stop music playback.

❙◄◄ - Skips to the previous song or the beginning of the current song. Press and hold to scan backwards.

►►❙ -Skips to the next song. Press and hold to scan forward.

LOCK - Slide the switch to lock or unlick the keys of the player

Headphones Jack - Insert headphones here.

 (**USB port**) - Use the USB port to connect to the Audio System.

USB lock button - Press and hold and push the USB connector out form the unit.

VOL + / - - Increases and decreases the volume level.

M - Selects among playback options. (repeat one, repeat all, random playback, repeat random playback)

DSP - Selects among DSP modes (Flat, Bass, Pop, Rock, Jazz)

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mp3 Player

Display Overview

1. Shows current volume level.

```
  1      2      3   4   5
```
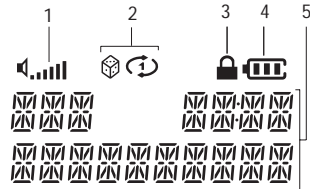
2. The relative play mode indicator lights to show current selection.
   - ♪ - repeat track
   - ↻ - repeat all
   - ⊕ - random playback
   - ⊕ ↻ - repeat random playback
3. 🔒 is displayed when the key lock function is activated.
4. 🔋 shows the battery level.
5. This section shows song information.

The information in this section presumes you've successfully transferred files to the mp3 player, and you're ready to play some music.

Turn On/Off the mp3 player

Press ►II to turn the unit on/off. Playback starts automatically from the first track.

Play / Pause

- In stop mode, press ►II to start playback of selected track. Current track number, elapsed playback time and track title show on display.

- To pause playback, press ►II during playback. Press ►II again to resume playback.

```
    001 00:28
    SONG NAME
```

Stop Playback

- During playback, press ■ to stop playback. The total number of tracks is display.
- Press ■ in stop mode to turn the unit off.

Skipping Tracks

- To skip to the next track, press and release the ►►I button.
- To go to the previous track, press and release the I◄◄ button.

Scan Tracks

- To scan backwards in the track that is playing, press and hold the I◄◄ button.
- To scan forwards in the track that is playing, press and hold the ►►I button.

Note:

If the elapsed time of the playing track is less than 0:04, pressing Skip backward once will return to previous track.

If the elapsed time of the playing track is more than 0:04, pressing Skip backward once will return to the beginning of the current track.

---

mp3 Player

Adjusting the Volume

Press **VOL +/-** to adjust the volume.

Key Lock

- To avoid accidental key activation, slide the key lock switch to the left.
  The Lock icon 🔒 can be seen on display.
- Slide to the switch to the right to unlock.

Note:

When the unit is in off mode and the key lock switch is at the LOCK position, pressing the **PLAY / ON** key will cause the display to show the key lock icon for three seconds.

DSP

Press the **DSP** button repeatedly to select among DSP modes:
FLAT > BASS > POP > ROCK > JAZZ
The current selection shows briefly on the display.

```
    001  00:28
    DSP   FLAT
```

Play modes

During playback, press **M** repeatedly to select among the following playback modes:
Normal playback
Repeat Track - ♪
Repeat All - ↻
Random Playback - ⊕
Repeat Random Playback - ⊕ ↻

Check for Updates

Visit www.thomson-lyra.com for the latest news and firmware upgrades for our Lyra Digital Audio Player. You must update your system after new downloads have been made in order for the new applications to be executed.

Frequently Asked Questions

You can get FAQ information at www.thomson-lyra.com

Troubleshooting Tips

Main Unit

Problem	Solution	Problem	Solution
System will not turn on	• Check power cord for a secure connection. • Unplug the unit for a moment, and then plug into power source again. • Check the outlet by plugging in another device.	*CD sound skips*	• Clean the disc.(Refer to P.28) • Check disc for warping, scratches, or other damage. • Check if something is causing the system to vibrate. If so, move the system. • Make sure the speakers are at least 3 feet away or on a different surface from the main unit.
No sound	• Increase the volume setting. (Refer to P.9) • Check connection to speakers. (Refer to P.3) • Check that you have selected the appropriate function: CD, Tuner.(Refer to P.4) • Make sure mute is off. • Make sure headphones are not plugged in.	*Remote control does not work*	• Check that the batteries are properly installed.(Refer to P.7) • Replace weak batteries. • Check the system is plugged into power source. • Point the remote directly at the system's front panel. • Move closer to the system. • Remove any obstacles between the remote and the system.
Poor radio reception	• Check antenna connection.(Refer to P.3) • Move antenna. • Turn off nearby electrical appliances, such as hair dryer, vacuum cleaner, microwave, fluorescent lights.		
CD does not play	• Check that CD is in the tray.(Refer to P.11) • Check that CD label is facing up.(Refer to P.11) • Check that PAUSE mode is not on.(Refer to P.11) • Check that CD function is selected.(Refer to P.4) • Use CD lens cleaner.(Refer to P.28) • Clean the disc.(Refer to P.28) • Try another CD. • Switch to another function (Tuner) then back to CD. (Refer to P.4)		

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Troubleshooting Tips

mp3 Player

Problem	Solution	Problem	Solution
The player does not turn on when PLAY button pressed.	• Battery may be inserted incorrectly. (Refer to P.23) • Battery may be empty.	*USB display does not appear when connected to computer.*	• Check connection between your unit and the computer.
Skipping tracks or bad sound quality?	• Repeat or random function may be activated. (Refer to P.25) • There may be strong magnetic fields (e.g. too close to TV) near the unit. • Low Battery level. Replace with new one.(Refer to P.23)	*The player does not respond to key operations?*	• To reset the unit, turn the player off by removing the battery. Reinsert the battery properly and turn the player on again to resume normal operations. (Refer to P.23)
Cannot perform playback?	• LOCK function may be activated.(Refer to P.25) • There may be no mp3 tracks in the card or internal memory. • Memory Card may be damaged.		
Cannot playback tracks on the player.	• Make sure audio tracks are encoded in the mp3 or Windows Media formats at supported bitrates. Bitrates support by the player: mp3 – 32 to 320 kbps wma – 48 to 160 kbps • WMA files may be DRM protected and you don't have the proper rights (license) to play the files. Check the website and/or application help system of the music download service provider from where the content was purchased from for license acquisition details. For more information on how license acquisition works, go to www.microsoft.com/windowsmedia/drm.		

Note:

This unit may temporarily cease to function if subjected to electrostatic disturbance. To resume normal operation, it may be necessary to cycle the power off and back on or to remove and reinstall the batteries.

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Maintenance

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

Cleaning

Clean the exterior of the system using a soft dust cloth.

CD Player

CAUTION! This system operates with a laser. It must be opened by only a qualified technician.

Handling CDs

• Do not touch the signal surfaces. Hold CDs by the edges, or by one edge and the hole.
• Do not affix labels or adhesive tapes to the label surfaces.
• Do not scratch or damage the label. CDs rotate at high speeds inside the player.
• Do not use damaged (cracked or warped) CDs

Cleaning CDs

• Dirty CDs can cause poor sound quality. Always keep CDs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.
• If a CD becomes dirty, wet a soft cloth in water, wring it out well, wipe the dirt away gently, and then remove any water drops with a dry cloth.
• Do not use record cleaning sprays or antistatic agents on CDs. Also, never clean CDs with benzene, thinner, or other volatile solvents which may cause damage to disc surface

CD Lens Care

When your CD lens gets dirty it can also cause the system to output poor sound quality. To clean the lens you will need to purchase a CD lens cleaner which can maintain the output sound quality of your system. For instructions on cleaning the CD lens, refer to the ones accompanying the lens cleaner.

Technical Specification

Power supply: 120V~60Hz
Dimensions (H x W x D mm):
Unit size - 214 x 152 x 229
Speaker - 243 x 150 x 195
CD player: Response curve (+/- 2dB): 60Hz to 5kHz
Rating Plate: Look for it at the back of the set.
Maximum size of Mass Storage Class device supported: 20GB

Limited Warranty (U.S.)

What your warranty covers:
• Defects in materials or workmanship.

For how long after your purchase:
• One year from date of purchase for labor and parts
• 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:
• Pay any Authorized RCA Audio Service Center the labor charges to repair your unit.
• Pay any Authorized RCA Audio Service Center for the new or, at our option, refurbished replacement parts required to repair your unit.

How you get service:
• Take your unit to any Authorized RCA Audio Service Center. To identify your nearest Authorized RCA Audio Service Center, ask your dealer, look in the Yellow Pages, or call 1-800-336-1900.
• Show the Authorized Service Center Representative your evidence of purchase date or first rental.
• Pick up your unit when repairs are completed.
• 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.

What your warranty does not cover:
• Customer instruction. (Your Owner's Manual describes how to install, adjust, and operate your unit. Any additional information should be obtained from your dealer.)
• Installation and related adjustments.
• Signal reception problems not caused by your unit.
• Damage from misuse or neglect.
• Cleaning of audio heads.
• Batteries.
• A unit that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
• A unit purchased or serviced outside the U.S.A.
• Acts of nature, such as but not limited to lightning damage.

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

Limited Warranty (U.S.)

Limited Warranty (Canada)

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 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 unit outside the United States:
• This warranty does not apply. Contact your dealer for warranty information.

Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.

What your warranty covers:
• Defects in materials or workmanship.

For how long after your purchase:
• One year from date of purchase for labor and parts
• 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:
• Pay any Authorized RCA Audio Service Center the labor charges to repair your unit.
• Pay any Authorized RCA Audio Service Center for the new or, at our option, refurbished replacement parts required to repair your unit.

How you get service:
• Take your unit to any Authorized RCA Audio Service Center. To identify your nearest Authorized RCA Audio Service Center, ask your dealer, look in the Yellow Pages, or call 1-800-336-1900.
• Show the Authorized Service Center Representative your evidence of purchase date or first rental.
• Pick up your unit when repairs are completed.
• 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.

What your warranty does not cover:
• Customer instruction. (Your Owner's Manual describes how to install, adjust, and operate your unit. Any additional information should be obtained from your dealer.)
• Installation and related adjustments.
• Signal reception problems not caused by your unit.
• Damage from misuse or neglect.
• Cleaning of audio heads.
• Batteries.
• A unit that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
• A unit purchased or serviced outside Canada.
• Acts of nature, such as but not limited to lightning damage.

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

Limited Warranty (Canada)

EN

Limitation of Warranty:
• **THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON MULTIMEDIA LTD., ITS AGENTS OR EMPLOYEES SHALL CREATE A GUARANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.**
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