FCC Information

English

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 turning the equipment off and on), try to correct the interference by one or more of the following measures:
• Reorient 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.

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 headphone are in place.

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 OPEN.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. 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.

Safety Information

Technical Information

Product: Audio System
Brand: RCA
Model: RS2046

Electrical Consumption

Power Supply: 120V ~ 60Hz
Power Consumption: 22 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-K55

For Your Records

In the event that service should be required, you may need the model number. In the space below, record the date and place of purchase:
Model No.
Date of Purchase
Place of Purchase

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.

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 and splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.
• Main plug is used as the disconnect device, it shall remain 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.

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RCA

user manual
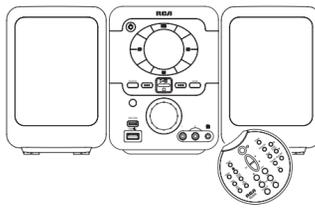
EN/F   **RS2046**

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

# Before You Begin

Unpacking Your System

You should have:
• One main unit (with 2 speakers);
• One remote control;
• One AM loop antenna;
• One user's guide;
• One safety leaflet;
• Owner registration card.

Installation

To ensure sufficient ventilation, keep the spacing shown as below:

Front view 4"
4"   4"
Side view 4"
2"
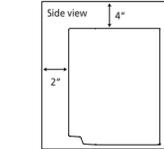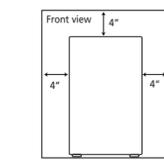
Connecting the Speakers

The speaker connection jacks are located on the back of the unit.

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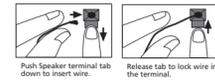
NOTE: Make sure the insulation is completely removed from the ends of the speaker wires at all connection points.

Using the Antenna

Before you use your audio system, you'll want to make sure the FM antenna is positioned properly. The FM antenna is the coiled wire connected to the back of the unit. Uncoil it, 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.

General Controls

Refer to the actual unit or remote control while you are reading below descriptions.

Front View

⏻ – Turns on/off the unit.
Vol – Adjusts volume.
■ – Stops playback.
▶ II – Starts and pauses playback.
I◀◀ / ▶▶I – Skips backward or forward track/file; searches down or up radio frequency.
Preset EQ – Selects EQ effects.
X-Bass – Turns on or off extra bass effect.
Display – Press repeatedly to select clock or playback displays.
Stereo•Del – Selects stereo on or off in tuner mode; deletes unwanted files from USB device.
Folder Preset – Selects tuner preset stations in tuner mode; selects folders (if any) in mp3 / WMA playback.
Prog•Set – Enters program mode; confirms selections.
Band•APP – Selects band in tuner mode; starts auto-preset programming.
Rec – starts recording from CD / Tuner to USB device.
Source – Selects CD, USB, tuner and AUX mode.
Repeat – Selects repeat playback modes.
⊘ – Turns on or off random playback.
Intro. – Turns on or off track sampling.
Alarm On/Off – Turns on or off alarm function.
Adj Time – Enters clock time adjusting mode.
Adj Alarm – Enters alarm time adjusting mode.

Top View

OPEN – Press to open the CD compartment door. Push the door downward to close it.
ALARM – Press to check alarm time, press and hold to switch on or off alarm function.
DISPLAY – Press once to select analogue or digital clock display. Press and hold to activate or deactivate dimmer function.
ADJUST – Adjusts clock and timer. Press and hold to change display background colours.

Remote Control

⏻ – Turns on/off the unit.
Vol – Adjusts volume.
■ – Stops playback.
▶ II – Starts and pauses playback.
I◀◀ / ▶▶I – Skips backward or forward track/file; searches down or up radio frequency.
Preset EQ – Selects EQ effects.
X-Bass – Turns on or off extra bass effect.
Display – Press repeatedly to select clock or playback displays.
■ – Starts and pauses playback.
▶ II – Stops playback.
Record – Starts recording from CD / tuner to USB device.
USB – For insertion of USB device.
Volume Control Knob – Adjusts volume.
AUX IN – Remove the cover and insert external audio cables to **L** (left channel cable) and **R** (right channel cable).
⊘ – Remove **AUX INPUT** cover for insertion of headphones.

Installing Batteries

The remote control must be inserted with 2 "AAA" or "LR03" batteries prior use.

Display

Prog Preset ALARM SLEEP
Repeat 1 AM Random Intro REC DEL
Jazz Rock Pop Classical X-Bass

MHz
KHz

CD Tuner USB Aux FM AM
mp3 WMA Stereo
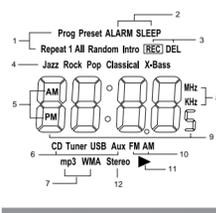
1. Playback modes
2. Clock functions
3. Record functions
4. EQ and bass effects
5. AM or PM time
6. Sound sources
7. File formats
8. Radio frequency units
9. Digital clock time, track or file number, elapsed playback time
10. Radio bands
11. Playback in progress
12. FM stereo

Clock and Timer

Setting Clock

1. Press **DISPLAY** and **ADJUST** together or **Time Adj** on the remote control) to enter clock setting mode. Clock time shows with hour digits flashing on the display.
2. Press I◀◀ or ▶▶I to set the hour.
3. Press **ADJUST** (or **Adj Time** on the remote control) to shift to the minute digits.
4. Press I◀◀ or ▶▶I to set the minutes.
5. Press **ADJUST** (or **Adj Time** on the remote control) to confirm the setting.

Setting Timer

1. Press **ALARM** and **ADJUST** together (or **Adj Alarm** on the remote control) to enter timer setting mode. Timer on time shows with hour digits flashing on the display.
2. Press I◀◀ or ▶▶I to set the hour.

3. Press **ADJUST** (or **Adj Alarm** on the remote control) to move to the minute digits.
4. Press I◀◀ or ▶▶I to set the minute digits.
5. Press **ADJUST** (or **Adj Alarm** on the remote control) to move to source selection.
6. "SC" shows on the display for source selection. Press I◀◀ or ▶▶I to select source (CD, Tuner, USB or Buzz). Corresponding source icon shows on the display (Buzz as "SC:bU")
7. Press **ADJUST** (or **Adj Alarm** on the remote control) to move to volume setting.
8. Press I◀◀ or ▶▶I to set the volume. If source is selected as buzz, volume setting is not possible.
9. Press **ADJUST** (or **Adj Alarm** on the remote control) to confirm settings.
• Timer will be activated automatically after settings are finished.

Clock and Timer

Activating the Timer

Press and hold **ALARM** (or **Alarm On/Off** on the remote control) on the main unit to activate and deactivate the timer function. "ALARM" shows on the display when activated. Timer cannot be set or activated if clock time is not set. Follow instructions under "Setting Clock" to set clock.

Analogue and Digital Clock Display

Two clock display modes are available: analogue and digital. Press **DISPLAY** to switch between the two display modes. At the center of the analogue clock, "P" stands for PM time, "A" stands for AM time.

Sleep Function

You can select the time interval in minutes before the unit turns off automatically.
• Press **Sleep** on the remote control to select among OFF, 90, 80, 70, 60, 50, 40, 30, 20, and 10 minutes. "SLEEP" icon flashes on the display when activated.
• When sleep is activated, press **Sleep** once to view remaining sleep time in minutes.
• Press **Sleep** again when the remaining sleep time is displayed to change sleep time.

Note: Sleep is automatically deactivated when the unit is turned off.

Special Features

Preset Equalizer Curves

Press **Preset EQ** on the remote control to toggle among FLAT, JAZZ, ROCK, POP and CLASSICAL. The selection is highlighted on the display.

X-Bass

Press **X-Bass** on the remote control to turn on/off the x-bass feature.
The X-Bass icon is displayed.

Changing Display Brightness

Press and hold **DISPLAY** on the top of the unit to change the brightness level of the display.

Changing Display Colors

Press and hold **ADJUST** on the top of the unit to change the display colors.

Quick Start

Refer to the following for basic playback and radio listening. For detailed operations and more advanced features, please refer to relevant sections.

Listening to CD/mp3/WMA Discs

1. Press ⏻ to switch on the unit.
2. Press **SOURCE** to select CD mode.
3. Press **OPEN** on the top of the unit to open the CD compartment door.
4. Insert up a disc with the label facing up.
5. Close the CD compartment door.
6. Wait while the unit reads and counts the total number of songs on the disc.
   • If the CD compartment is not loaded with a CD or the CD is unreadable, "**disc**" flashes on the display.
7. Press ▶ II to start playback. Press again to pause playback and again to resume.
   • If the song is a mp3 or WMA file, the mp3 or WMA icon lights on the display.
   • During playback, elapsed playback time and current track number show on the display alternately.
8. Press I◀◀ or ▶▶I to select previous or next track / file. Press and hold to search through the file while it is playing.
9. Press ■ to stop playback.

Listening to Radio

1. Press ⏻ to switch on the unit.
2. Press **SOURCE** to select TUNER mode.
3. Press **BAND** (or **Band•APP** on the remote control) to select radio band.
4. Press I◀◀ or ▶▶I to tune down or up radio frequency. Press and hold for automatic channel search, "SEAr" shows on the display when searching is in progress.

CD & USB Playback

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

Notes on CD-R/RW
• 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.
• Playback capability for CD-R/W discs may vary due to variations in the quality of the CD-RW disc and the recorder used to create the disc.

Note: Be sure to remove all discs from the disc compartment before moving or transporting the unit!

Listening to mp3/WMA files on a USB Device

1. Press ⏻ to switch on the unit.
2. Press **SOURCE** to select USB mode.
3. Insert a USB device to the USB jack on the front of the unit.
4. Wait while the unit reads and counts the total number of songs on the disc.
5. If the USB device contains no mp3 or WMA files, "no" flashes on the display.
6. Press ▶ II to start playback. Press again to pause playback. Press again to resume.
7. If the song is a mp3 or WMA file, the mp3 or WMA icon lights on the display.
8. During playback, elapsed playback time and current track number show on the display alternately.
9. Press I◀◀ or ▶▶I to select previous or next track / file. Press and hold to search through the file while it is playing.
10. Press ■ to stop playback.

Basic Playback

Refer to "Quick Start" for basic playback.

Random Playback

Press ⊘ on the remote control to turn on or off random playback. "Random" shows on the display when activated.

CD & USB Playback

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 disc playback, the CD quality should be recorded 128kbps or above.
• Disc data size : 650MB is not recommended.
• Total Files should not exceed 412 and the total folders should not exceed 100. 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.

Repeat Playback

Press **Repeat** repeatedly on the remote control to select, the corresponding icon shows on display when activated:

Repeat 1: repeat current song;
Repeat All: repeat all songs;
No icon: normal playback.

CD & USB Playback

Sampling Tracks

During playback, press **Intro** on the remote control to turn on or off intro mode which plays the beginning 10 seconds of each track / file. "Intro" shows on the display when activated.

Clock / Playback Display

During playback, press **Display** on the remote control to select among analogue clock, digital clock and playback information displays.

Selecting Folders (mp3 / WMA discs and USB only)

Press **Folder / Preset (up / down)** on the remote control to go to the next or previous non-empty folder.

Creating and Playing Programs

A maximum of 32 tracks can be programmed.

1. In stop mode, press **Prog•Set** on the remote contorl. "Pr: 01" (first program position) shows on the display followed by "00".
2. Press I◀◀ or ▶▶I to select a track / file to be stored into memory location 1.
3. Press **Prog•Set** to confirm your selection and store that track into memory. The next available memory locations shows on the display. Repeat step 2 and this step to store additional tracks. In program mode, the PROG. icon lights on the display.
4. When finished programming, press ▶ II to start playback of the program.

View and Edit Program List

1. Press **Prog•Set** repeatedly to view program list. To edit program location, press **Prog•Set** until the location you want to edit is displayed.
2. Press I◀◀ or ▶▶I to select the new track to be stored.
3. Press **Prog•Set** to confirm.

Deleting Programs

Press and hold ■ to clear program list and "clr" shows on the display. The program list will also be cleared once the CD compartment door is opened.

CD & USB Playback

mp3/WMA Playback Sequence

• Refer to the diagram below for playback sequence details on multi-level folder structure.
• Songs are played before playing songs placed in folders at each level.

LEVEL 1   LEVEL 2   LEVEL 3   LEVEL 4

A
Folder 1
Folder 1.1   ① Song 1.1.1
              ② Song 1.1.2
              ③ Song 1.1.3
C
Folder 1.2   Folder 1.2.1   ① Song 1.2.1.1
                             ② Song 1.2.1.2
                             ③ Song 1.2.1.3
E
Folder 2
Folder 2.1   ① Song 2.1.1
              ② Song 2.1.2
              ① Song 2.2
              ② Song 2.3
              ③ Song 2.4
G
Folder 3   ① Song 3.1
              ② Song 3.2
① Song 4
② Song 5
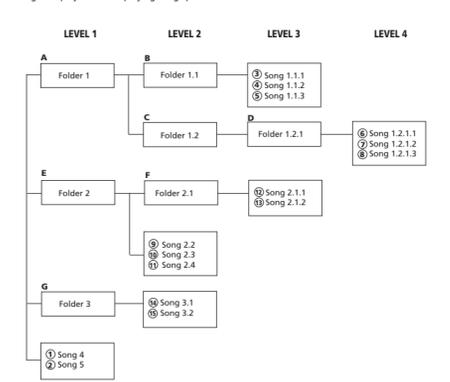
Note:
• Folder playback sequence is indicated by the letters from A to G
• Song playback sequence is indicated by the number 1 to 15 in front of the song name.

Radio

Basic Listening

Refer to "Quick Start" for selecting radio mode, band and searching channels.

Auto Channels Preseting

Press and hold **BAND** (or **Band•APP** on the remote control) to scan stations. A maximum of 30 stations can be stored. Beware of your preset channels being erased accidentally because the scanning and storing process is automatic upon pressing the button. "Prog" icon flashes during programming. Press **Band•APP** to stop scanning.

Manual Channels Preseting

A maximum of 30 stations can be stored.
1. Press **BAND** (or **Band•APP** on the remote control) to select band.
2. Press I◀◀ or ▶▶I to select station to be stored.
3. Press **Prog•Set** on the remote control to enter program mode.

Auxiliary Input

Connecting External Device

Remove the **AUX IN** cover on unit front and insert audio cables (not included) to the **L** (left channel) and **R** (right channel) input jacks

4. Press **Folder/Preset** (up or down) to select a memory location (up to 30 memory locations). When you are selecting the preset location, the preset station number is flashing.
5. Press **Prog•Set** to confirm the setting.

Listening to the Preset Channels

Press **Folder/Preset** (up or down) on the remote control repeatedly to select your desired memory location.

Suppressing Stereo Signal

Press **Stereo•Del** on the remote control to switch between FM mono and stereo for FM broadcast.
If FM stereo reception is weak, select mono sound may reduce noise.

Selecting and Playing External Device

Press **SOURCE** to select AUX mode. Control playback on your external device. Adjust volume by rotating the volume control knob on unit front.

USB Recording

You can record tracks or files directly from a disc to your USB device.

Recording

1. Insert your USB device into the connection jack on the unit front.
2. Load an audio CD or mp3/WMA disc in the disc compartment and press **SOURCE** select CD mode.
3. Press **RECORD** (or **Rec** on the remote control) to enter record mode. "REC" icon flashes on the display.
4. Select track to be recorded by pressing I◀◀ or ▶▶I.
5. Press **RECORD** (or **Rec** on the remote control) to start recording.
6. To stop recording, press **RECORD** (or **Rec** on the remote control) or ■. The recorded music will be saved in your USB device.

Deleting Recorded Files

1. Insert your USB device into the connection jack on the unit front.
2. Press **SOURCE** to select USB mode.

To delete a single file
1. Press ▶ II to start playback of unwanted file.
2. Press **Stereo•Del** on the remote control to enter deletion mode. "1 DEL" icon flashes on the display.
3. Press **Stereo•Del** again to confirm deletion. "dEL" shows on the display until deletion finished.

To delete all files
3. While playback is stopped, press **Stereo•Del** on the remote control to enter deletion mode. "ALL DEL" icon flashes on the display.
4. Press **Stereo•Del** again to confirm deletion. "dEL" shows on the display until deletion finished. Then, "no" shows on the display showing no file is in the USB device.

Troubleshooting Tips

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.
No sound	• Increase the volume setting. • Check connection to speakers. • Check that you have selected the appropriate function: CD, USB, Tuner. • Make sure headphones are not plugged in.
Poor radio reception	• Check antenna connection. • 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. • Check that CD label is facing up. • Check that PAUSE mode is not on. • Check that CD function is selected. • Use CD lens cleaner. • Clean the disc. • Try another disc

Problem	Solution
CD sound skips	• Clean the disc. • 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.
CD button will not respond	• Switch to another function (USB, Tuner) and then back to CD.
Remote control does not work	• Check that the batteries are properly installed. • 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.

More Information

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

CD Player

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

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.

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 inches):
Unit size - 7" x 5 ¹⁄₂" x 8 ¹⁄₂";
Speaker - 7" x 4 ³⁄₄" x 5 ¹⁄₄";
Net Weight - 8 lbs
CD player: Response curve (+/- 2dB): 60Hz to 15 kHz
Rating Plate: Look for it at the back of the set.

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.

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.

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 unintended purposes are unlawful and therefore not condoned by Thomson.

The descriptions and characteristics in this owner's manual are for the purpose of general reference only and not as a guarantee. In order to provide you with the highest quality product, we may make changes or modifications without prior notice. The English version serves as the final reference on all product and operational details should any discrepancies arise in other languages.