RCA

User Manual
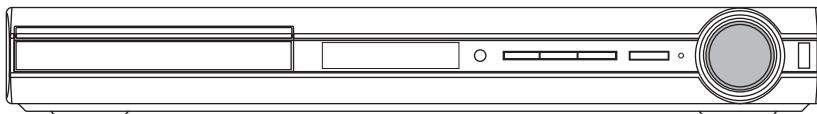**Manuel de l'utilisateur**
Manual del usuario

RTB1016

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

Il est important de lire ce manuel d'instructions avant d'utiliser votre nouveau produit pour la première foi.

Es importante que lea este libro de instrucciones antes de usar su nuevo producto por primera vez.

Important Information

THE LIGHTNING FLASH AND ARROWHEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.

THE EXCLAMATION POINT WITHIN THE TRI-ANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING: SHOCK HAZARD - DO NOT OPEN
AVIS: RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR
DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE
NE PAS EXPOSER CET APPAREIL À DE LA PLUIE
OU DE L'HUMIDITÉ.

SEE MARKING ON BACK OF PRODUCT

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SER-VICING TO QUALIFIED SERVICE PERSONNEL.

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

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE.

WARNING: TO BE COMPLETELY DISCONNECT THE POWER INPUT , THE MAINS PLUG OF APPARATUS SHALL BE DISCONNECTED FROM THE MAINS. THE MAINS PLUG OF APPARATUS SHOULD NOT BE OBSTRUCTED OR SHOULD BE EASILY ACCESSED DURING INTENDED USE.

Service Information

This product should be serviced only by those specially trained in appropriate servicing techniques.

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.

Caution

Invisible laser radiation when open and interlocks defeated. Avoid exposure to beam. Class 1 laser product.
This system must be opened only by qualified technicians to prevent accidents caused by the aser beam.

Copyrights

This product incorporates copyright protection technology that is protected by methods claims in certain U. S. Patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Important Information

Important Battery Information

- Do not mix different types of batteries or new and old batteries. Do not use rechargeable batteries.
- In order to avoid any risk of explosion, observe the polarities indicated inside the battery compartment. Replace only with the type of batteries specified. Do not dispose of them in a fire or recharge them.
- If you are not using the remote control for a long period of time, remove the batteries.

Please respect the environment and prevailing regulations. Before you dispose of batteries or accumulators, ask your dealer whether they are subject to special recycling and if they will accept them for disposal.

Illustrations contained in this document are for representation only.

CLASS 1 LASER PRODUCT
APPAREIL À LASER DE CLASSE 1
PRODUCTO LASER DE CLASE 1

CAUTION:
This product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure. Do not open covers and do not repair yourself. Refer servicing to qualified personnel.

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

WARNING
To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. No objects filled with liquids, such as vases, should be placed on the apparatus.

Double insulation when servicing use only identical replacement parts.

This product contains a low power laser device.

Important Safety Instructions

Please Read and Save for Future Reference.

Some of the following information may not apply to your particular product; however, as with any electronic product, precautions should be observed during handling and use.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (Including amplifiers) that produce heat.
- Only use attachments / accessories specified by the manufacturer.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your wall outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

Portable Cart Warning

- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Additional Safety Information

- 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.
- 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:

A. 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.
B. 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.
C. 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.
D. Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
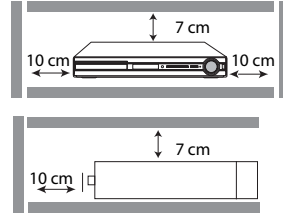
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio / TV technician for help.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Ventilation
You must adequately ventilate the product. Make sure there is adequate space around the unit to provide proper air flow for ventilation. See diagram.

This product complies with DHHS Rules 21 CFR Sub-

chapter 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.
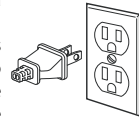
If it still won't fit, contact a qualified electrician to change the outlet, or use a different one. Do not attempt to bypass this safety feature.

Removing the power plug is the only way to completely remove power from your product. Make sure the power plug remains easily accessible.

Note:
This unit has been designed to play back BD-video with region "A" and DVD-video with region "1". You cannot play back BD-video or DVD-video that are labeled for other regions. Look for the symbols on the right on your BD-video or DVD-video. If these region symbols do not appear on your BD-video or DVD-video, you cannot play back the disc in this unit. The letter or number inside the globe refers to region of the world. A BD-video or DVD-video labeled for a specific region can only be played back in the unit with the same region code.

Features

- Full high-definition video playback at up to 1080p resolution for an amazing viewing experience. Upconversion of standard definition DVDs for enhanced picture quality at up to 1080p over an HDMI connection.
- Rich multi-channel surround sound.
- Easy and simple HDTV connection using a single HDMI cable (cable not included).
- Multiple outputs for connecting your home theater system or amplifier.
- PIP functionality that lets you display primary and secondary video at the same time (if available on the Blu-ray Disc).
- Pop-up menu display without interrupting playback (if available on the Blu-ray Disc).
- HDMI 1080p/60fps output (Blu-ray Disc only) that provides smooth playback of video with a frame rate of 60 frames per second (TV must be connected with an HDMI cable and be compatible with 1080p 60 frame).
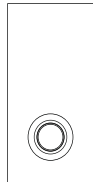
Connections and Setup

What's Included

Remote control and 2 AAA batteries

Left and right front speakers

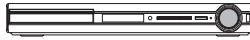Subwoofer

Left and right Surround speakers

Center speaker

One Pig-Tail antenna wire

Composite video cable

Main unit (receiver)

Things to Consider before You Connect

- Ensure that the mains (AC power) supply in your house complies with that indicated on the identification sticker located on the back of your unit.
- Install your unit horizontally, away from any source of heat (fireplace) or appliances creating strong magnetic or electric fields. The components of this unit are sensitive to heat. The maximum ambient temperature should not exceed 35°C / 95°F.
- Leave enough space around the unit to allow adequate ventilation: 10 cm/4 inches on either side and above the top, and 5 cm/2 inches at the rear.
- The humidity of the room should not exceed 75%. If you have to use the unit outdoors, do not expose it to rain or splashing water. The apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.
- Moving the unit from a cold place to a warm one can cause condensation on some components inside the unit. Let the condensation disappear on its own before turning the unit on again.
- Before moving the unit, make sure the disc tray is empty.
- Where the mains plug or an appliance coupler is used as a disconnect device, the disconnect device shall remain readily operable.
- Other important use and cleaning information at the end of the booklet.

Connections and Setup

Connecting the Antenna

FM antenna

The FM antenna connects to the FM terminal on the system's back panel. It must be hooked up in order to receive clear reception.

Connecting to your TV
Method 1 (best)
HDMI
• Connect the HDMI OUT jack on the rear of the unit to the HDMI IN jack on your TV using a HDMI cable (not included).
• You can select the resolution of the player's HDMI output signals (HDMI Auto, 1080p, 1080i, 720p, 480p and 480i) to match your TV's resolution capabilities, please see instructions on page 21 for details.

Method 1

TV

HDMI cable (not included)   To HDMI input

To HDMI output
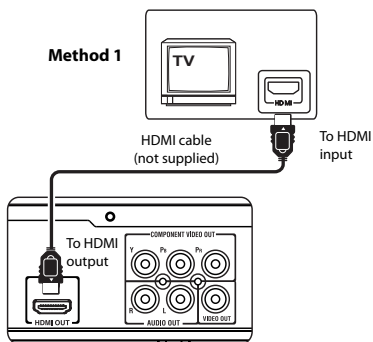
Notes
• Refer to the owner's manual of the connected TV as well.
• HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC.
• If your television is a high definition television with an HDMI input, we highly recommend you use the unit's HDMI output to get the highest possible video resolution.

Method 2 (good)
Component video jacks (Pr, Pb, Y)
• The component video jacks are color-coded green, blue and red.
• Additional component video cables (not supplied) are required. They are usually color-coded green, blue and red.
• Connect the component video OUT jacks on the unit to the component video IN jacks on your TV.

Method 3 (basic)
Composite video jack (yellow)
• This video jack is color-coded yellow.
• Use the video cable with yellow plugs (supplied) for good picture quality.
• Connect the video OUT jack on the unit to the IN jack on your TV.

VIDEO IN   **TV**

Method 2

Component Video Cable (not supplied)

VIDEO IN

Method 3   Video Cable included

Green Blue   Red
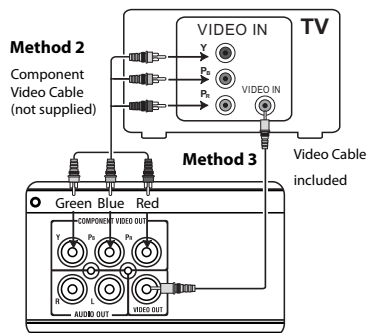
Notes
• If one of the devices is not working, check that all the cables have been inserted properly into the jacks.
• If your component has only one input for audio (mono), connect it to the left (white L/Mono) audio jack on the TV and don't connect the right audio part of the cable.

Connections and Setup

Connecting AUDIO IN from External Sources such as TV

Method 1 (best)
Using Digital Optical Input

Connect components capable of outputting Dolby digital surround sound (e.g. TV or SAT/Cable Box) or standard PCM (stereo) format digital signals. Use a fiber optical cable for this digital audio connection. (Cable not included).
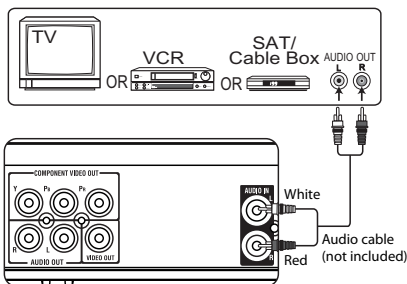
Press **OPTICAL** button on remote control or **SOURCE** button on main unit to select **OPTICAL** input.
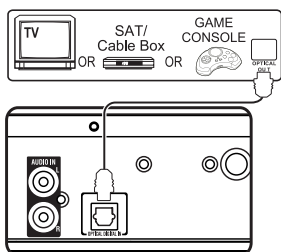

Method 2 (good)
Using AUDIO IN Jacks

Connect the AUDIO IN jacks from the unit to the AUDIO OUT jacks on TV, SAT/Cable Box, VCR or other component. Press either **SOURCE** button on the main unit or **AUX** button on the remote control to select **AUX** mode.

Connecting your player to a wired network router (optional)

Connect an Ethernet cable (CAT5 or better with RJ45 connector) to the ETHERNET jack on the back of your player and to an Ethernet jack on a network hub or broadband router.
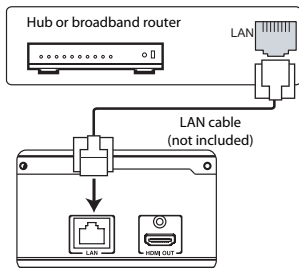
Notes:
- Do not connect a modular phone cable to the ETHERNET jack.
- When plugging or unplugging the cable, hold the connector on the end of the cable. When unplugging, do not pull on the cable. Press down the lock tab and pull the connector out of the jack.
- Because there are various connection configurations, follow the instructions from your Internet service provider.

Connecting AUDIO OUT to an auxilliary Audio System (optional connection)

This system has AUDIO OUT jacks allowing you to connect to auxiliary audio systems such as a second audio amplifier or perhaps a wireless audio transmitter.
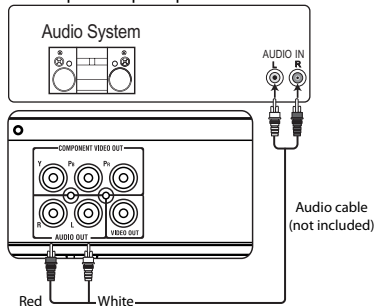
Connections and Setup

Connecting the Speakers

Speaker wires are color-coded to match the terminals. Connect the speaker wire from the back of each speaker to the corresponding color terminal at the bac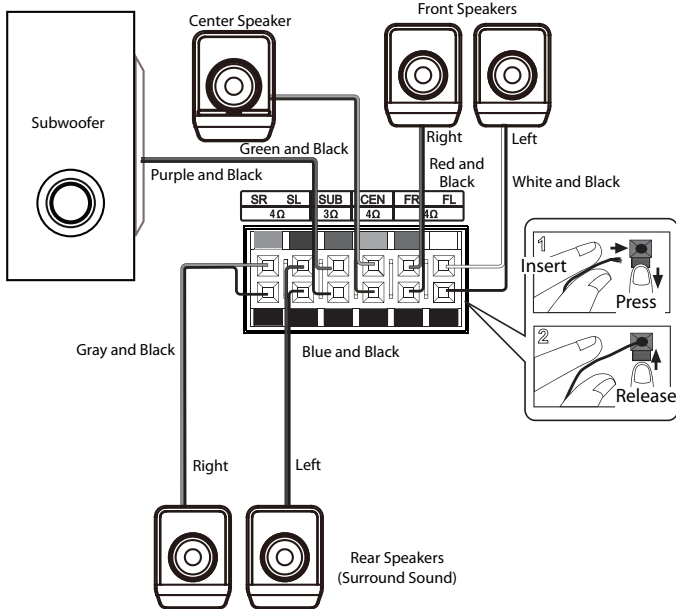k of the unit. Press down the tab to open the terminal and insert the wire. Release the tab to lock wire in the terminal.

Center Speaker

Front Speakers

Subwoofer

Green and Black

Purple and Black

Right

Left

Red and Black

White and Black

SR	SL	SUB	CEN	FR	FL
4Ω		3Ω	4Ω		4Ω

Insert

Press

Release

Gray and Black

Blue and Black

Right

Left

Rear Speakers (Surround Sound)

To adjust each speaker volume level for optimum listening experience.
(1) Press **LEVEL** button / ◀ or ▶ on the remote control to select FL (front Left speaker).
(2) Press ▲ or ▼ buttons to adjust the value up or down (between -10dB and +10dB).
(3) Repeat step (1) and (2) for the other speakers FR, CT, SW, SL, SR.

Speaker gains may be set to levels of up to +10dB, actual max levels may also depend on your Volume Setting.
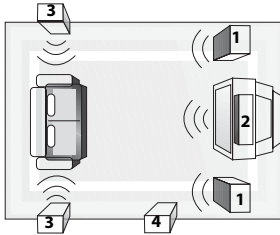
> **Note:**
>
> When connecting the speakers, make sure the polarities ("+" speaker wire to "+" on the receiver) of speaker wires and terminals match. For example, red wire to red terminal on the receiver. If the cords are reversed, the sound will be distorted. Do not let the speaker wires touch each other, it will damage the system's amplifier.

Connections and Setup

Positioning Speakers

Courtesy Dolby Laboratories

1. Left, Right (Front Speakers)
Front speakers carry primarily music and sound effects.

2. Center
In surround mode, the center speaker carries most of the dialog as well as music and effects.
It should be set between the left and right speakers.

3. Surround (Rear Speakers)
The surround speakers' overall sound balance should be as close as possible to the front speakers. Proper placement is vital to establish an evenly distributed sound field.

4. Subwoofer
A subwoofer is designed to reproduce powerful low bass effects (explosions, the rumble of spaceships, etc.).

Note:

Center speaker provided with this unit is magnetically shielded to protect your TV set. It is not recommended to place speakers without magnetic shield near the TV set.

Front Speaker Placement

For best results, follow the speaker placement below.

Alignment
Align the center speaker evenly with (A) or slightly behind (B) (the left and right speakers), but not ahead of them.
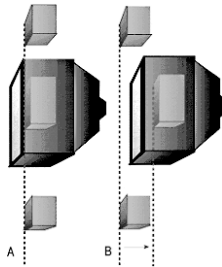
Angle
Place the left and right speakers to form a 45-degree angle with your favorite viewing position to duplicate the soundtrack mixer's perspective.

Height
The three front speakers should be as close as possible to the same height. This often requires placing the center speaker directly on top (A) or beneath (B) the TV set.

Connections and Setup

Better Surround Placement

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

Height
If space permits, install surround speakers 2-3 feet above viewers. This helps to minimize localization effects.
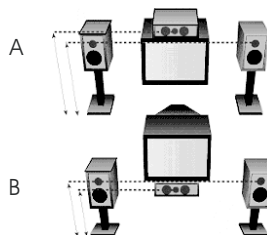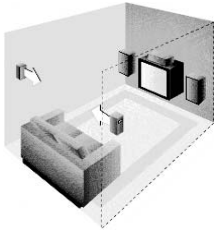
Aiming
Aim surround speakers straight across the room, not down at viewers, to help create a more open, spacious surround sound field.

Alternative Surround Placement

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

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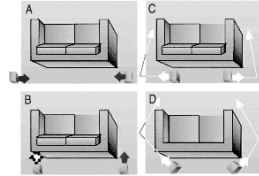
Test Tone/Channel Balance

Channel Balance
Your receiver is equipped with a test signal generator to help balance the audio level for each channel (see Page 8 for details).

Level Adjustment and Surround Channel Level Expectation
Even though you adjust the surround channel to be as loud as the others on the test signal, you may find that surround channels seems quieter for actual TV and Movie content. This is because producers use surround for subtle atmospherics and ambience, and only rarely for special effects.

Overview of Controls - Front Panel Controls

Press to open or close the disc tray.

Switch the unit on and off.

Adjust the volume.

Start/pause playback.

Select the input sources. Press repeatedly to select: BD/USB, OPTICAL, AUX, TUNER.

Connect a USB flash drive to this port.
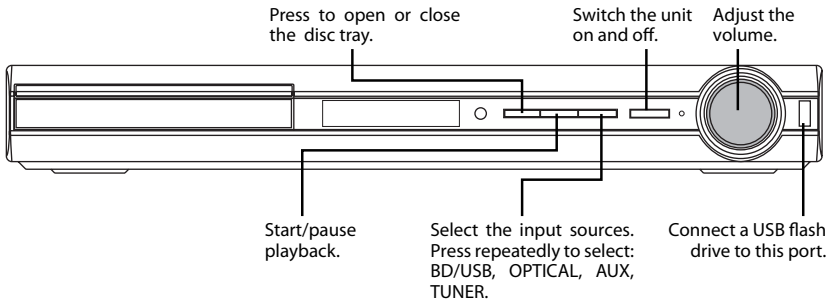
Overview of Controls
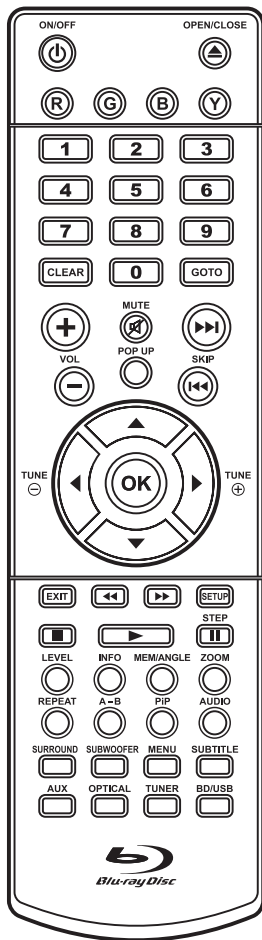
|	
ON/OFF	Press to turn on your unit, or put your unit in standby mode. When your unit is in standby mode, power is still entering your unit. To disconnect power, unplug the power cord.
OPEN/CLOSE	Press to open or close the disc tray.
R(red), G(green), B(blue), Y(yellow)	When playing a Blu-ray Disc that has a Java application, press to control playback. For more information, see the documentation that came with the Blu-ray Disc.
Numbers	In playback mode, press **GOTO** button, then press the number buttons to enter a title, chapter, track, or time.
CLEAR	Press to clear an input.
GOTO	Press to search for a title, chapter, track or time.
VOL+/-	Press to increase or decrease the volume.
MUTE	Press to turn off sound. Press again to turn the sound back on.
POP UP	During Blu-ray Disc playback, press to open a menu that lets you control Blu-ray Disc playback. During DVD playback, press to open the DVD title menu (if available).
SKIP ▶▶ /◀◀	Press to go to the next or previous chapter (Blu-ray Disc/ DVD) or track (CD). In tuner mode, press to go to the next higher /lower preset station.
▲,◀/TUNE ⊖ ▶/TUNE ⊕, ▼	Navigate through the menus. The left and right arrows also tune the radio frequency in the tuner mode.
OK	Confirms your selection.
EXIT	Press to return to the previous menu. When in a Menu or file browser window, you can press this button to move you back to a previous menu level or folder level.
REV	Press to fast reverse.
FWD	Press to fast forward.
STOP	Press to stop playback.
PLAY	Press to start or resume playback.
STEP/❙❙	Press once to pause playback. Press twice, then each time you press this button, the picture advances one frame.
LEVEL	Toggle channels for different level settings. Adjusts the value using ▲ or ▼ .
INFO	Accesses the Info menu.
MEM/ANGLE	Stores a station in tuner mode. Accesses the camera angle function for Blu-ray or DVD discs if available.
ZOOM	Press to zoom in on the video. Each time you press this button, the magnification level changes. This button is only used for DVD discs .
REPEAT	Press to repeat the current title, chapter, track, or repeat all.
A - B	Performs point-to-point repeat playback on DVD.

Overview of Controls
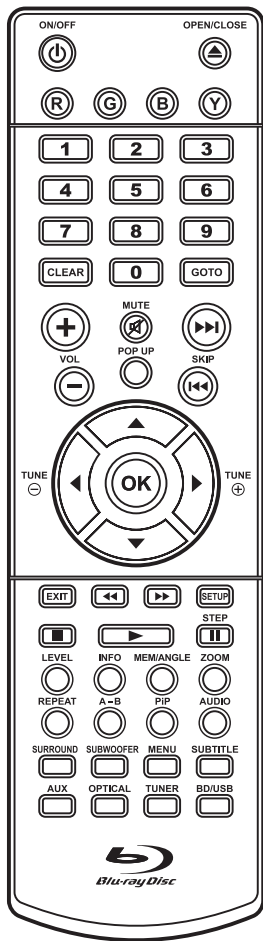
SETUP	Press to access the Dimmer (DIM), Sleep (SLP) and test tone setting (the settings will be shown of the unit's front panel display). *Dimmer Setup* To adjust the brightness of display on front of Blu-ray disc player. Press **SETUP** button and the "DIM 0" appears, then use ▲/▼ buttons to select "DIM 0", "DIM 1" or "DIM 2". *Sleep Setup* Press **SETUP** button and the "DIM 0" appears. Use ◄/► buttons to select "SLP OFF", then press the ▲/▼ buttons select 30M, 60M, 90M or 120M. The unit will automatically turn off once it counts down the sleep time. *Test Tone* Press **SETUP** button and the "DIM 0" appears. Use ◄/► buttons to select "TEST OFF", then press ▲/▼ buttons to select FL (front left speaker), FR (front right speaker), CT (center speaker), SW (subwoofer), SL (surround left speaker) or SR (surround right speaker), then press **OK** button. You'll hear a test tone coming from the speaker you select. Press **EXIT** button to exit this function. To adjust the speaker volume levels, press **LEVEL** button and use ◄ / ► buttons to select the speaker you are testing, then use ▲ or ▼ buttons to adjust the value up or down (between -10dB and +10dB).
PiP	Press to turn PiP (picture in picture) mode on or off. This function is only available by Blu-ray discs if available on disc.
AUDIO	Accesses the audio function. PiP Audio can be selected through cursor if secondary Audio is available on the Blu-ray Disc.
SURROUND	In AUX/OPTICAL/TUNER mode, press to show current sound mode (CH 5.1or STEREO) on the front of Blu-ray disc player display. To change the current setting, first press the SURROUND button, then use ▲/▼ buttons on the remote control to select STEREO or CH5.1.
SUBWOOFER	Press to display current Subwoofer setting (SOFT/PWRFUL/STRONG/BALANCEl). To change settings, first press to access the current Subwoofer setting, then use ▲/▼ buttons on the remote control to change the current setting.
MENU	Accesses the disc menu during playback (on DVD).
SUBTITLE	Accesses the subtitle function. PiP Subtitle can be selected through cursor if secondary subtitle is available on the Blu-ray Disc.
AUX	Press to select AUX input source.
OPTICAL	Press to select OPTICAL input source.
TUNER	Press to select TUNER mode (FM radio).
BD/USB	Press to select the BD/USB mode.

Note:

Insert the two "AAA" (included with this unit) batteries into the remote control prior to use.

Quick Setup

When turned on for the first time or after resetting it to the factory default, the Quick Setup menu will pop up as following.

Would you like to do Quick Setup?

Yes   No
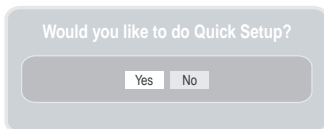
Follow the below steps to make the basic settings for using the Blu-ray player.

1. Press **OK** to perform Quick Setup.
   - To exit Quick Setup, press ▶ button to select "No" and then press **OK**.

   The display for Player Menu Settings selection appears.

Player Menu Settings

English

French

Spanish

Next   Return
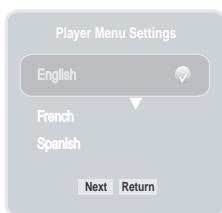
2. Press ▲ or ▼ button to select English, French or Spanish and press **OK**.

3. Press ▼ button to select "Next" and press **OK**, then the display for Resolution selection appears.

Resolution

HDMI Auto

1080p

1080i

720p

480p

480i

Next   Return
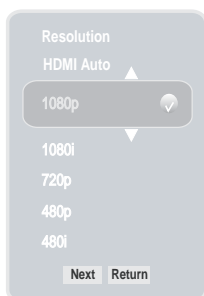
4. Press ▲ or ▼ button to select HDMI Auto, 1080p, 1080i , 720p, 480p or 480i and press **OK**. (For details about the Resolution, please see page 21.)

5. Press ▼ button to select "Next" and press **OK**, then the display for TV Aspect selection appears.

TV Aspect

16:9 Wide

16:9 Pillarbox

4:3 Pan and Scan

4:3 Letterbox

Next   Return
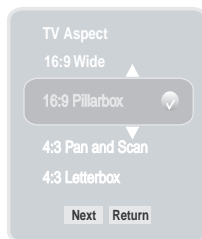
6. Press ▲ or ▼ button to select 16:9 Wide, 16:9 Pillarbox, 4:3 Pan and Scan or 4:3 Letterbox and press **OK**. (For details about the TV Aspect, please see page 21.)

7. Press ▼ button to select "Next" and press **OK**. The display for "Quick Setup complete" appears and press **OK** to exit the setup.

Notes
- You can restore the settings to the factory settings (see page 24).
- You can run Quick Setup again from "Quick Setup" in "Settings" (see page 25).

Playing a Blu-ray Disc or DVD

Regional Coding

This unit has been designed to play back BD-video encoded for region "A" and DVD-video encoded for region "1". You cannot play back BD-video or DVD-video that are labeled for other regions. Look for the symbols on the right on your BD-video or DVD-video.

If these region symbols do not appear on your BD-video or DVD-video, you cannot play back the disc in this unit. The letter or number inside the globe refers to region of the world. A BD-video or DVD-video labeled for a specific region can only be played back in the unit with the same region code.

Basic playback (Blu-ray Disc or DVD)

1. Turn on your television set.
2. Press **ON/OFF** button on the remote control or **ON/STANDBY** button located on the unit's front panel. Press **BD/USB** button on the remote control.
3. Press ⏏ **OPEN/CLOSE** button to open the disc tray.
4. Place a disc onto the disc tray with the label side up.
5. Press ⏏ **OPEN/CLOSE** button again to close the disc tray.
6. After loading a disc, playback starts automatically, or the disc menu appears. If the disc menu appears, select the Play option and press **OK** button to begin playback if "**Optical Disc AutoPlay**" is set on. (see page24)

Playback
• To start playback, press ► button.

Pause
• To pause playback, press ❙❙ button.
• To resume normal playback, press ► button.
Frame advance
• Press PAUSE ❙❙ twice. "Step Fwd" is displayed.
• Each time you press PAUSE button, the picture advances one frame.
• Press ► to resume normal playback.
Stop
• To stop playback, press ■ button. The **Settings** menu is displayed.
• To resume playback, press ► on the remote control or press ▲ or ▼ button to select DVD/BD-ROM, then press **OK** button. Depending on the disc, playback starts where it stopped or at the beginning of the disc.
Accelerated play

• To fast forward or fast reverse, press ►► (fast forward) or ◄◄ (fast reverse).
• Each time you press one of these buttons, the fast-forward or fast-reverse speed increases from Fast X2, Fast X4, Fast X8, Fast X16, Fast X32, Fast X64, to Fast X128. Press ► to resume normal playback.
Changing chapter/track
• Press either the SKIP ◄◄ or ►►❙ button according to the desired direction.
• Press the SKIP ◄◄ button to skip to the start of the current chapter or skip to previous chapters.
• Press the SKIP ►►❙ button to skip to the beginning of the next chapter.
Displaying Blu-ray Disc information
• Press **INFO** button, your unit displays information about the Disc, such as type of disc, elapsed time of the current title, total time of the current title, total number of chapters.
• Press **INFO** button again to exit.

Note: The information displayed for discs other than Blu-ray Discs will be different.

Special Functions

Searching for a title, chapter or elapsed time
1. During playback, press **GOTO** button one or more times to select a search mode.
   - Press once to select the **Goto Title** mode.
   - Press twice to select the **Goto Chapter** mode.
   - Press three times to select the **Goto Time** mode.
2. Press the number buttons to enter the title number, chapter number or time, then press **OK** button. Your unit goes to the title, chapter, or time you entered.

Repeating a title, chapter or CD track
- Press **REPEAT** button one or more times to select a repeat mode.

Using PiP (picture-in-picture) mode
Some Blu-ray Discs are compatible with picture-in-picture (PiP) mode. In PiP mode, the primary video is displayed on the full screen, and the secondary video is displayed in a small window.

Primary video

Secondary video

- Press **PiP** button to turn PiP mode on or off.
- Press **AUDIO** or **SUBTITLE** button to turn the audio/subtitle for the video in the PiP window on or off. Then use cursor buttons and **OK** button to select your preferred options.

Notes
- The available options of Audio vary from different disc format.
- PiP Subtitle is not available for all discs. It only applies to Blu-ray discs that supports picture-in-picture features.
- Some discs allow you to turn PiP on/off only via the disc menu.

Using a disc popup menu
1. During Blu-ray or DVD playback, press **POP UP** button. The Blu-ray popup menu or the title menu of DVD disc opens.
2. Press ▲, ▼, ◀ or ▶ buttons to select an option, then press **OK** button.

Selecting a play source
- Press **SOURCE** button on the front panel of the unit repeatedly to select **BD/USB**, **OPTICAL**, **AUX**, **TUNER**.
- Press **BD/USB** button on the remote control to select **BD/USB** mode.
- Press **OPTICAL** button on the remote control to select **OPTICAL** mode.
- Press **AUX** button on the remote control to select **AUX** mode.
- Press **TUNER** button on the remote control to select **TUNER** mode.

Selecting the audio mode
1. Press **AUDIO** button. Your unit displays audio channel information, such as **01/03 Eng Dolby Digital**. **01** indicates the currently selected audio channel. **03** indicates the total number of audio channels. **Eng** (English) indicates the audio language. **Dolby Digital** describes the currently selected audio format.
2. Press ▶ button and press ▲ or ▼ button to select an audio mode, then press **OK** button.

Selecting the camera angle (Blu-ray Disc and DVD disc)
Some discs offer different camera angles for specific scenes. To change the camera angle:
1. Press **MEM/ANGLE** button on the remote control. The selected angle will be displayed on the display bar at the top of the TV screen.
2. Press ▶ button and press ▲ or ▼ button to select the desired angle, then press **OK** button. If the disc was recorded using a single camera angle, this function is not available.

Selecting subtitles
You can display subtitles on the TV screen and select a subtitle language from those included on the DVDs.
1. Press **SUBTITLE** button on the remote control. The selected language will be displayed on the display bar at the top of the TV screen.
2. Press ▶ button and press ▲ or ▼ button to select your desired language, then press **OK** button.

PiP Subtitle can be selected through cursor if secondary subtitle is available on the Blu-ray Disc.

Playing an audio CD

1. Press **ON/OFF** button on the remote control or **ON/STANDBY** button located on the unit's front panel.
2. Press ⏏ **OPEN/CLOSE** button to open the disc tray.
3. Place a CD on the disc tray with the label facing up, then press ⏏ **OPEN/CLOSE** button to close the disc tray. It may take a few seconds for the CD to load.
4. After loading a disc, playback starts automatically.
5. To eject the CD, press ⏏ **OPEN/CLOSE** button.

To control audio CD playback:
• To start playback, press ► button.
• To pause playback, press ‖ button. The sound is muted when your unit is in pause mode. To resume normal playback, press ► button.
• To stop playback completely, press ■ button. To start playback again, press ► button. Playback starts at the beginning of the CD.
• To fast-forward, press ►► button. To resume normal playback, press ► button.
• To fast-reverse, press ◄◄ button. To resume normal playback, press ► button.
• Press either the ◄◄ or ►►‖ button according to the desired direction.
 Press the ◄◄ button to skip to the start of the current track or skip to previous tracks. Press the ►►‖ button to skip to the beginning of the next track.
• To select a track, press **GOTO** button once, enter the track number with the number buttons, then press **OK** button.

Playing files on a data disc

You can play JPEG files that have been recorded on a CD-R or CD-RW on this unit.

Insert a data disc containing picture files. A seletion menu appears on the screen:

Playing files on a data disc

To view JPEG files
1. Press ▲ or ▼ button to select **Pictures**, then press **OK** button.
2. Press ▲, ▼, ◄ or ▶ button to select a file (or a folder) and press **OK** or ► button to start playback. If you selected a folder, the files in this folder are displayed. Press ▲ or ▼ button to select a file and press **OK** or ► button to start playback.
3. Press ■ button to return to the Pictures menu.
4. Press ▲ or ▼ button to select an option, then press **OK** button.
 • **Settings** - This option enables you to define Slide Show Effects (None, Horizontal Scroll, Fade and Shutter) and Slide Show Delay (5 Seconds, 2 Seconds, 1 Seconds, No Delay, 10 Seconds, 15 Seconds and 30 Seconds). After setting, press ▼ to highlight OK and then press **OK** button to confirm.
 • **Main Menu** - Returns to the main menu.
 • **Previous folder** - Returns to the previous folder.
 • **Start Slide Show** - This option enables you to view picture (files) one after another automatically.

Using a USB device

Playing USB flash ("thumb") drive
Insert a USB thumb drive containing picture into your unit. A selection menu appears on the screen:
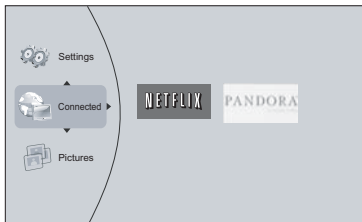
Press ▲ or ▼ button to select **Pictures**, then press **OK** button.
(To play pictures, please see **Playing files on a data disc** for details.)

If an optical disc containing picture files is inserted at the same time, the system will enter the source selection screen and you can press ▲ or ▼ button to choose **Optical Disc** or **USB** .
If you choose Optical Disc option, please follow the operation instructions in "Playing files on a data disc" .

Notes
- It is recommended to plug the USB flash drive when the unit is off.
- It does not support USB hard disc mass storage device, multi-card reader and other USB computer peripheral.
- Do not disconnect the USB flash drive when you are playing it, it may corrupt the data.
- If you cannot easily insert the USB device, you may have inserted it incorrectly. Try to turnover the device and then insert again.

Watching movies with Netflix

Watching Movies with Netflix
To use Netflix service, connect this player to your network, and configure the network settings if they are not finished yet. (See "Network Setting" section on page 24).
Launching Netflix movie
1. In home menu, press ▲ or ▼ button to select **Connected**.
2. Press ▶ button and then press **OK** button to enter.
Creating Netflix account
If you are not a Netflix Member: Select "no". Read the instructions displayed on the TV screen, and visit http://www.netflix.com from your PC. Sign up to create your account, then select "I'm now a member".

If you are a Netflix Member: Select "Yes".

Activating Netflix player
To play streaming video via Netflix service, Netflix player needs to be activated. Read the instructions displayed on the TV screen, and visit http://www. netflix.com/activate on your PC. Sign in to your Netflix account, if necessary. Enter the activation code displayed on the TV screen.

Watching movies with Netflix

Preparing Instant Queue

To play streaming video via Netflix service, Netflix service, you must have an appropriate Netflix subscription and the player needs to be registered for Netflix service. See previous section for details on how to activate.

Now you can view Netflix streaming video.

After having activated Netflix player and prepared Instant Queue, movies and TV episodes in your Instant Queue appear on the TV screen. Select your desired one using the remote control of the player. You can control Netflix streaming video with the following buttons of the remote control of this player:

▶ (Play)	To start playing movie. To pause playback while in PLAY mode.
■ (Stop)	To stop playing and return to a list of movie titles.
‖ (Pause)	To pause playing movie. To start playing while in PAUSE mode.
▶ (Right)	To pause playing and open a list of scenes. Pressing further proceeds to the next scene.
◀ (Left)	To pause playing and open a list of scenes. Pressing further proceeds to the previous scene.
▲ (Up)	To stop playing and return to a list of movie titles.
▶▶ (FWD)	To pause playing and open a list of scenes. Fast forward play starts.
◀◀ (REV)	To pause playing and open a list of scenes. Fast reverse play starts.
OK	Allows you to enter or exit "trick play mode". Trick Play mode allows you to skip to a specific scene in a movie quickly

Note

Resolution of video streamed from Netflix varies depending on communication speed or bitrate of each content, etc.

Enjoying music with Pandora

Pandora is personalized internet radio that is designed to help you discover new music you'll love mixed in with music you already know.

To use the Pandora service, please ensure your unit is successfully connected to a network with internet access. (See "Network Setting" section on page 24).

For users that already have a Pandora account, skip to step 4.

Step 1:

Creating an activation code on the player

a. In home menu, press ▲ or ▼ button to select **Connected**, and then press ▶ button to choose **Pandora**.

b. Select "**I am new to Pandora**" from option list and press OK button.

c. You will be given an activation code, then use this activation code to generate a new account on your PC (See **Step 2**).

Step 2:

Creating a new Pandora account on your PC

a. Go to **http://www.pandora.com/rca** and enter the activation code.

b. Follow the instructions to create an new account.

Step 3:

Now that you've successfully created a Pandora account on your PC, log in using your player.

Step 4:

Using an existing Pandora account

a. In home menu, press ▲ or ▼ button to select **Connected**, and then press ▶ button to choose **Pandora**.

b. Select "**I have a Pandora account**" from the option list and press OK button.

c. Sign in with your Pandora account.

Enjoying BD-Live

Some BD-ROMs contains BD-Live features that can be downloaded to the external memory (local storage) for enjoyment.

In order to access BD-Live functions, the Blu-ray disc player must be properly configured for BD-Live internet access, and it must be equipped with additional memory (USB Flash Drive).

1. Insert a USB Flash Drive of at at least 1GB capacity (not supplied) into the USB jack on the front panel of the Blu-ray disc player.
   - The USB device is used as the local storage.
   - Make sure that the USB device is properly inserted into the Blu-ray disc player.
   - If there is not at least 100Mbyte of free space on the USB device, you should choose "**Erase Blu-ray Storage**" from the BD-Live settings (see page 25).
2. Connect the Blu-ray disc player to a network (see page 7).
3. Turn the Blu-ray disc player on.
4. Set "BD-Live Internet Acces" to "**Limit Access**" or "**Always Allow Access**" in BD-Live Settings (see page 25).
5. Insert a BD-ROM with BD-Live and select the BD-Live selection following the instructions on the disc menu.
   - The operation method differs depending on your BD-ROM. Please refer to the instructions coming with the disc.

Notes
- Do not remove the USB device when using the BD-Live function.
- Depending on your connection environment, it may take time to connect to the Internet or the Internet may not be connected.

IMPORTANT!
Many BD-Live compatible discs require content to be downloaded onto USB flash drive in order to access the available BD-Live features.
A USB flash drive with at least 1GB of free space needs to be inserted prior to inserting the BD-Live compatible disc.

AUX/OPTICAL

You can connect Audio or Audio-Video devices such as a TV, Game System, VCR, Satellite or Cable Box to this unit using the AUDIO IN jacks at the back of the unit. The AUX input provides an analog audio connection especially suitable for older devices. The OPTICAL input provides a digital audio connection which will allow you to experience true digital surround sound, if the connected device is capable of providing Dolby digital surround signals. This unit will take the audio from the connected device and play the audio through the speakers.

Connecting Auxiliary Components
Refer to **Connecting AUDIO IN from external sources** such as TV for details on connecting the auxiliary components to the unit (see page7).

Selecting AUX/OPTICAL Mode
Press either the **SOURCE** button on the main unit or AUX/OPTICAL button on the remote control to select AUX or OPTICAL input.

Sound Output in AUX or OPTICAL Mode
- You may change the Surround Sound setting to STEREO mode if you like (see instructions under **Overview of Controls**). However, we recommend you leave the system in full surround ("CH 5.1") mode
- If the auxiliary audio signal is mono, there will be no output from some speakers in full surround mode.
Note: Optical input cannot decode DTS signals.

Radio

This unit has a built-in digital-tuning FM radio.

Manual tuning

1. Connect the FM antenna at the back of the unit.
2. Press **TUNER** button.
3. Tune a station by pressing **TUNE** ⊖/⊕ buttons repeatedly until the desired station is found. Alternatively, you can press and hold the same button down for about two seconds 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.

Automatic preset programming

1. Press **TUNER** button to enter Tuner mode.
2. Press and hold **TUNER** button for two seconds to start automatic preset programming.
3. Radio frequencies will be scanned and stored automatically. When all the available radio stations are stored or all 30 FM 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 **MEM/ANGLE** button. While the Program Preset number is still flashing, input your desired preset number using the numeric buttons, then press **MEM/ANGLE** button to store it.

Retrieving preset stations

1. Press **TUNER** button to enter the Tuner mode.
2. Press ⏮/⏭ buttons to search up or down for the preset stations or directly press the numeric buttons.

Tips:
- When a strong FM signal is tuned, **ST** is displayed.
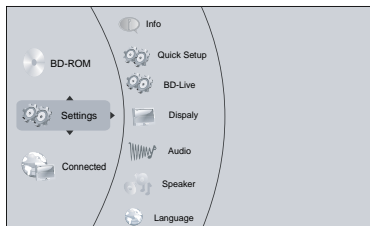- If there is any interference, change the antenna's position until ideal sound reception is obtained. TV and other electronic devices could be the cause of interference, so try to position the antenna away from them.
- A weak signal can affect the **Automatic preset programming** function's efficiency. Adjust the antenna for better reception and a more efficient search.

The Settings Menu

The Settings menu appears automatically when the unit is in BD/USB stop mode. Use ▲ or ▼ button to select **Settings.**

```
                        Info
                        Quick Setup
        BD-ROM          BD-Live
        Settings   ▶    Dispaly
                        Audio
        Connected       Speaker
                        Language
```

Language Setting
1. In the main menu of **Settings**, press ▶ button, then use ▲ or ▼ button to select **Language**.
2. Press ▶ button and press ▲ or ▼ button to select an option, then press **OK** button.
3. Press ▲ or ▼ button to select the language you want, then press **OK** button to confirm your selection.
4. Press ◀ or **EXIT** button to go to the previous menu.

> **Notes**
> • If the selected language is not available on a disc, the disc's language will be used instead.
> • If the language chosen is available, it is automatically selected when you display the subtitles or press **SUBTITLE** button on the remote control. Otherwise, the subtitle language indicated on the disc is selected.

Display Setting
1. In the main menu of **Settings**, press ▶ button, then use ▲ or ▼ button to select **Display**.
2. Press ▶ button and press ▲ or ▼ button to select an option, then press **OK** button.
3. Press ▲ or ▼ button to select the desired option, and then press **OK** button to confirm your selection.
4. Press ◀ or **EXIT** button to go to the previous menu.

Resolution
You can define the video output resolution in this option.

HDMI Auto: If your TV is a high-definition TV (HDTV), is connected to the HDMI jack on your player and you want your player to set the output resolution based on information exchanged between the TV and your player over the HDMI cable.

1080p: If the TV is a high-definition TV (HDTV) capable of 1080p (any frame rate) connected to the HDMI jack on your player.

1080i: If your TV is a high-definition TV (HDTV) capable of 1080i only.

720p: If your TV is a high-definition TV (HDTV) capable of 720p only.

480p: If your TV is an enhanced-definition TV (EDTV).

480i: If your TV is a standard-definition NTSC (analog) TV.

Notes
• Selecting a resolution your TV does not support could result in an unstable picture or loss of the picture. See the documentation that came with the TV to find the resolutions the TV supports.
• Only the HDMI output on your unit supports 1080p video output at any frame rate. If the TV is connected to the component output, the video output is limited to 1080i or lower.

TV Aspect
16:9 wide, 16:9 Pillarbox, 4:3 Pan and Scan, and 4:3 Letterbox are available for your choice.

Deep Color
This option allows you to turn off the Deep Color (color depth) setting for video signals output from the HDMI OUT jack.

Connecting the player to a TV that supports Deep Color allows more accurate color reproduction than when connecting it to a TV that does not support Deep Color. It is recommended to set this option Off if the picture is unstable or colors appear unnatural.

The Settings Menu

Film Mode
Movies are recorded on film at a rate of 24 pictures (frames) per second. Many of the movies on Blu-ray discs are recorded on the discs at this frame rate. However, not all TVs can display 24 progressive frames/second of video. If the TV cannot display this frame rate, you need to turn off **Film Mode**.

Note
Only your unit's HDMI output supports 1080p video output at any frame rate. The component outputs are limited to 1080i, regardless of the **Film Mode** setting.

Audio Setting
1. In the main menu of **Settings**, press ▶ button, then use ▲ or ▼ button to select **Audio**.
2. Press ▶ button and press ▲ or ▼ button to select an option, then press **OK** button.
3. Press ▲ or ▼ buttons to select the desired option, and then press **OK** button to confirm your selection.
4. Press ◀ or **EXIT** button to go to the previous menu.

PCM Downsampling
If you chose to use an external Surround Sound Receiver to play audio via your HDMI connection, you can choose a downsampling rate to match the capabilities of your Receiver.

Notes
• The PCM Downsampling and Digital Output settings are only necessary if you don't plan to use you Blu-ray Home Theater for playback of audio, and instead plan to use an external Audio Receiver for playback of HDMI audio.
• Incorrectly setting the digital audio output's PCM sampling rate too high may result in unpredictable audio playback.

Digital Output:
• **PCM Stereo** — Sets the HDMI audio format to PCM Stereo, this is useful if you have an audio receiver connected that is not a 5.1 channel receiver.
• **Bitstream HD** — Sends the original bitstream from the disc over the HDMI connections using highest quality possible.

  Blu-ray audio is limited to the soundtrack for the main movie (No PiP audio and no effects audio).
• **Bitstream Legacy** — Sends a DTS or Dolby Digital bitstream from the disc over the HDMI connections. Blu-ray audio is limited to the soundtrack for the main movie (no PIP audio).
• **Bitstream Mixed** — Sends a mixed (PIP audio and movie audio) DTS audio stream over the HDMI connections. This mode is primarily intended for use when you want to hear both PIP audio and the movie audio over an external Audio Receiver.
• **PCM 5.1** — Sends a PCM audio signal of up to 5.1 channels over the HDMI connection.

Dynamic Range Control:

Dynamic Range Control allows you to make the loud parts of a movie's audio track quieter than they would be in the theatre, without making the dialog of the actors any quieter.

This would be useful, for instance, when you want to watch a movie in the evening when others might be sleeping.

Note: This setup menu item has no effect unless:
• You have selected "Bitstream Mixed" in the Blu-ray disc player's audio setup menu.

When **Dynamic Range Control** is set to **Off**, movie soundtracks are played with the standard dynamic range.

When movie soundtracks are played at low volume or from smaller speakers, you can set **Dynamic Range Control** to **On**. Your player applies appropriate compression to make low-level content more intelligible and prevent dramatic passages from getting too loud.

Selecting the "**Auto**" option turns on the Dynamic

The Settings Menu

Range Control for all BD movie soundtracks except Dolby TrueHD.

Stereo Downmix:

Allows you to downmix the multi-channel audio into fewer channels.

- **Stereo (LoRo)** — Downmixes the multi-channel audio into two channel stereo. Choose when the Blu-ray disc player is connected to the equipment that does not support virtual surround function such as Dolby Pro Logic.

- **Surround Encoded (LtRt)** — Downmixes the multichannel audio into surround compatible stereo. Choose when the Blu-ray disc player is connected to the equipment that supports virtual surround function such as Dolby Pro Logic.

Speaker Setting

Once the speakers are connected to the system, you can set the speakers to obtain the best possible surround sound.

1. In the main menu of **Settings**, press ▶ button, then use ▲ or ▼ button to select **Speaker**, then press **OK**.

2. Use ▲, ▼, ◀ or ▶ to highlight the desired speaker, then press **OK**.

3. Press ▲ or ▼ to select the desired audio signal, and then press **OK** to confirm.

4. Press ◀ or **EXIT** to go to the previous menu.

Note
Setting a speaker to "Off" will result in no sound being delivered to this speaker. We highly recommend you leave all speakers set to "On".

The Settings Menu

System Setting

1. In the main menu of **Settings**, press ▶ button, then use ▲ or ▼ button to select **System**.
2. Press ▶ button and press ▲ or ▼ button to select an option, then press **OK** button.
3. Press ▲ or ▼ buttons to select the desired option, and then press **OK** button to confirm your selection.
4. Press ◀ or **EXIT** button to go to the previous menu.

Optical Disc AutoPlay
If On is selected, the player will play a disc automatically when the unit is turned on, or if you press the BD/USB button.

Screen Saver Duration
This Blu-ray disc player has a screen saver feature when your player is inactive. You can set the interval time you want your player to wait before activating the screen saver.

Auto Power Down
This power-saving option defines the time duration upon which the unit shuts down automatically as a result of inactivity.

Restore Factory Defaults

If you choose **Ok** in the prompt message box and press OK button, all settings will be restored to the factory defaults.

Deactivate Netflix: If you choose **Ok** in the prompt message box and press OK button, Netflix will be deactivated.

Deactivate Pandora: If you choose **Ok** in the prompt message box and press OK button, the unit will then cease to automatically log in to Pandora using your Pandora password.

Update Via Network
This option allows to update your product software via the internet.

Info Setting

1. In the main menu of **Settings**, press ▶ button, then use ▲ or ▼ button to select **Info**.
2. Press ▶ button to display the related information.

Network Setting
1. In the main menu of **Settings**, press ▶ button, then use ▲ or ▼ button to select **Network**.
2. Press ▶ button.
3. Press ▲ or ▼ button to select **Wired**, then press **OK** button. The IP Settings screen appears. If the network connection is active, **Link Up** appears next to **Link Status**. If the network connection is not active, **Link Down** displays next to **Link Status**.
4. Press ▲ or ▼ button to select **IP Mode**, then press **OK** button.

IP Settings	
Link Status	► Link Down
MAC Address	xx:xx:xx:xx:xx:xx
IP Mode	► Dynamic
IP Address	0.0.0.0
Subnet Mask	0.0.0.0
Gateway	0.0.0.0
Primary DNS	0.0.0.0
Secondary DNS	0.0.0.0
Apply	Cancel

5. Press ▲ or ▼ button to select an IP Mode. You can select:
• **Dynamic** — Uses DHCP to automatically obtain an IP address.
• **Manual** — Lets you manually configure network settings, such as IP address, subnet mask, and gateway settings.
• **Off** — Disables the network interface..
6. Press ◀ or **EXIT** button to go to the previous menu.

Network Test
Selecting the **Network Test** will cause the player to attempt to communicate with your home network, and if successful, with a known internet address. If both attempts are successful, your network connection should be good. If the player can successfully connect to your home network, but not to the known internet address, your internet service may be "down", or your security firewall may be blocking access of the player to the internet.

The Settings Menu

Quick Setup

1. In the main menu of **Settings**, press ▶ button, then use ▲ or ▼ button to select **Quick Setup**, and then press **OK** to confirm.

2. Press **OK** to perform Quick Setup.

   To exit the setup menu:

   • Use ▼ button to highlight "No thanks. I'll go through the full setup menu later", and then press **OK**.

   • Or press ◀ button directly.

3. Follow the on-screen instructions to customize the following settings to your preference:

   • **Player Menu Settings**
   • **Resolution**
   • **TV Aspect**

4. After finishing all settings, select Exit and press **OK** to exit the setup. (Please see page13 for details.)

BD-Live

1. In the main menu of **Settings**, press ▶ button, then use ▲ or ▼ button to select **BD-Live**.
2. Press ▶ button and press ▲ or ▼ button to select an option, then press **OK** button.
3. Press ▲ or ▼ buttons to select the desired option, and then press **OK** button to confirm your selection.
4. Press ◀ or **EXIT** button to go to the previous menu.

BD-Live Internet Access

• **Limit Access** — Allows Internet access with valid "BDLive" network access approval.
• **Always Allow Access** — Always allows BD-Live Internet access.
• **Prohibit Access** — Never allows BD-Live Internet access.

BD-Live Storage

The available storage space is displayed next to BD-Live Storage.

Erase Blu-ray Storage

If you choose **OK** to erase Blu-ray storage, all bookmarks and BD-Live content saved in memory will be deleted.

Troubleshooting

The unit does not switch on.
• Make sure it is plugged in.
• Press **ON/OFF** button on the remote control or **ON/STANDBY** button on the front of the unit.

The device switches off spontaneously.
• To save power, the device switches off automatically when it is not being used for more than 30 minutes. Switch it on again.
• If the SLEEP SETUP (see page 12 for details) is set to 30, 60, 90,120 minutes, the device will turn off automatically once it counts down the sleep time. If Auto Power Down in System settings is set to 30, 45, 60 minutes, the device will switch off automatically if it remains idle and no activities are made. Switch it on again.

Blu-ray Disc or DVD does not play
• Make sure that the disc has the correct region code.
• Some Blu-ray discs will only play over an HDMI connection.
• It might be impossible to read the disc.
• Insert the disc with the printed side facing up.
• Check that the disc can actually be played by this device.
• Clean the disc.

Picture-in-Picture(PiP) does not work on a Blu-ray Disc
• Make sure that the disc supports PiP mode.

When playing a BD-Live disc, the screen is black
• Erase BD Storage.
• Make sure that the internet connection is working.
• Make sure that the internet cable is connected securely and correctly to the unit and the internet jack. Some discs require an Internet connection to play.

Cannot connect to the internet
• Make sure that the Internet connection is set up correctly.
• Test the Internet connection to make sure that it is working.
• Make sure that the BD-Live Internet Access option is not set to Prohibit Access.
• Make sure that the disc your are playing is a legal copy.

Troubleshooting

After connecting to the Internet, I cannot download a file
- Erase BD Storage.
- Make sure that the internet connection is working.
- Try a different USB flash drive.

File was downloaded, but playback from file pauses
- Make sure that the USB flash drive is a USB 2.0 device. Using a USB1.1 device may cause pausing.
- Try a different USB flash drive.

There is no picture.
- Check that the TV is operating correctly.
- Check the connections.
- Select the AV input assigned to the unit on the TV.
- Replace the HDMI cable with a better one. A bad HDMI cable can cause loss of video.

The picture is of poor quality (with snow or lines).
- Check the connections.

There is no sound or the sound is of poor quality.
- Check the connections.
- Make sure the speakers are connected.
- Make sure the MUTE function is not on.

No surround sound.
- Check to see if system is actually in full Surround mode (see Audio setting & Speaker setting on page 22, 23). For AUX/TUNER/OPTICAL mode, press the **SURROUND** button on the remote control - the front panel display should indicate the current setting (STEREO or CH 5.1). If current setting is **STEREO**, the surround speakers and center speaker will be inactive. Press ▲/▼ button to change surround mode from **STEREO**. Note: Not all discs, media files, or audio sources provide surround audio, thus lack of audio to surround speakers may be due to the actual source being played.

I can't find my file in the JPEG listing.
- Make sure the file name is valid.

The remote control does not work or works only intermittently.
- Check that batteries are inserted or change them.
- Aim the remote control at the unit. The infrared beam must not be blocked or interrupted.
- Check that the remote control is configured to control the device you are trying to operate with it.

The subtitles do not appear.
- Check that the BD/DVD disc provides subtitles.
- Refer to the section on how to display subtitles.

The disc menu language is not the correct one.
- The disc menu language has not been set up.
- The language of your choice is not available on the disc.

Additional Information

Precautions
Use

- If your unit has been stored in a cool place for any length of time, during a journey for example, wait for about 2 hours before using it.
- **The openings located on the top and bottom are for ventilation and must not be obstructed.**
- During thunderstorms, we recommend that you isolate the unit from the electrical supply so that it is not damaged by electrical or electromagnetic surges.
- This unit is designed for continuous use.
  Switching off the unit to standby mode does not disconnect it from the mains supply. To completely isolate the equipment, remove the plug from the mains jack as some components remain connected to the electrical supply.
- If you notice any burning or smoke, disconnect the unit immediately to avoid any risk of electrocution.
- Do not attempt to look inside the unit through the disk tray opening or any other opening. You may be electrocuted or exposed to laser radiation.
- This unit is for domestic use only and must not be used for industrial purposes.
- Total or partial copying of recordings protected by copyright legislation, without the explicit permission of the holder of the rights, contravenes current legislation. Copying or downloading music files for sale or any other business purpose constitutes or could constitute a violation of copyright law.

Cleaning
- Use a soft, dry, clean cloth. Regularly dust the vents at the back or sides.
- Using solvents, abrasive or alcohol-based products risks damaging the unit.
- If an object or liquid enters inside the unit, unplug it immediately and have it checked by an authorized servicer or service center.

Handling and Caring for Discs
- Handle your discs with care. Hold the disc with your fingers at the edges or through the hole.
- Insert the disc with the label facing up (for a single-sided disc).
- Place the disc properly into the tray in the allotted holder.
- Use a soft cloth to clean discs if necessary, always wiping from the centre to the edge.
- Always put discs back in their cases after use and store in a vertical position.
- Do not close the tray with two discs in it or with a disc not sitting correctly in the holder.
- Do not play cracked, chipped or warped discs nor try to repair them with adhesive tape or glue.
- Do not write on a disc.
- Do not move the unit when a disc is being played.
- Do not scratch discs or store them in places exposed to direct sunlight, high humidity or high temperatures.
- Do not use aerosol cleaners, benzene, anti-static liquids or any other solvent for cleaning discs. When cleaning, wipe gently with a soft damp (water only) cloth from the centre to the edge, avoiding circular motions, which could cause scratches and interference during playback.

Compatible Formats

In order to ensure playback, discs must conform with BD, DVD or CD standards. This unit may not play some recordings or files due to differences in recording formats, software used and disc types.

BD-ROM

BD-ROMs (Blu-ray Disc Read-Only Memory) are commercially produced discs and are available in the same capacities as BD below. Other than conventional movie and video contents, these discs have enhanced features such as interactive content, menu operations using pop-up menus (see below), selection of subtitle display, and slideshow. Although a BD-ROM may contain any form of data, most BD ROM discs will contain movies in High Definition format, for playback on Blu-ray Disc players.

Blu-ray Disc (BD)

A disc format developed for recording/playing high-definition (HD) video (for HDTV, etc.), and for storing large amounts of data. A single layer Blu-ray Disc holds up to 25 GB, and a dual-layer Blu-ray Disc holds up to 50 GB of data.

Additional Information

DVD-Video

Digital video discs - 12 cm, single or double sided, single or dual layer. DVDs are high density optical discs on which high quality picture and audio are recorded by means of digital signals.

DVD-R, DVD-RW, DVD+R, DVD+RW

Most DVD-R and DVD+R (one recording only), DVD-RW and DVD+RW discs (rewritable), depending on the DVD writer and discs used. Recordings using DVD-R and DVD-RW discs must be made in Video DVD mode. Recordings using DVD+RW discs must be made in accordance with the specifications for DVD+RW discs with a 4.7 GB capacity.

Audio CDs
Audio CDs (12 cm).

CD-R, CD-RW
Most CD-R (one recording only) and CD-RW discs (rewritable).

CD-Rs written during a multisession recording can be played, provided that the session has ended before the disc is played (depending on the write software).

However, depending on the condition of the CD-writer, computer and the disc used, you may find that not all discs will play. When playing a CD-R disc, it is normal for the unit to take up to 60 seconds to recognize the disc before starting to play.

If the disc is not recognized after a period of 120 seconds, remove the disc, and insert it again.

*   Do not use its full capacity.
*   CD-Rs should be preferably used instead of CD-RWs (rewritable CDs) as, in certain cases, CD-RW playback may be faulty.
*   Use reliable, good-quality CD write software.
*   Close all other ahpplications on the computer to ensure reliable CD-R disc recording.

JPEG Files
CD-R and CD-RW with JPEG files. Certain JPEG files, including progressive JPEG files, cannot be read by this unit.
The total number of files and folders on the disc should be less than 650. Make sure that files have the ".jpg" extension. Files without the ".jpg" exten-sion will not be able to be read by the unit --- even thought the files are shown as JPEG images on your computer.

Specification

AC power supply:
AC 120V~60Hz

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Additional Information

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One Year Parts & Labor Warranty
AVC products purchased in the United States are warranted to be free from defects in materials or workmanship for a period of one year from the date of their original retail purchase. If the unit fails to conform to this warranty, we will service the product using new or refurbished parts and products, at **AVC**'s sole discretion.

During a period of one year from the effective warranty date, **AVC** will provide, when needed, service labor to repair a manufacturing defect at its designated Service Center. To obtain warranty service in the United States, you must first call our **Customer Support Center at 1-877-252-6873, during the hours listed in the box below.** The deternination of service will be made by AVC customer support.
PLEASE DO NOT RETURN YOUR UNIT TO AVC WITHOUT PRIOR AUTHORIZATION. New or remanufactured replacements for defective parts or products will be used for repairs by **AVC** at its designated Service Center for one year from the defective warranty date. Such replacement parts or products are warranted for an additional one year from the date of repair or replacement. The Customer will be required to ship the unit to the Service Center indicated at the time Customer Support is contacted to make the necessary repairs. The customer is responsible for all transportation charges to the service facility.

Packaging and Shipping Instruction
When you send the product to the **AVC** service facility you must use the original carton box and packing material or an equivalent as designated by **AVC**.

Your Responsibility
(1)   You must retain your bill of sale to provide proof of purchase.
(2)   These warranties are effective only if the product is purchased and operated in the U.S.A. or Canada.
(3)   Warranties extend only to defects in material or workmanship, and do not extend to any product or parts which have been lost or discarded, or damage to product or parts caused by misuse, accident, improper operation or maintenance, or use in violation of instructions provided with the product, or to product which has been altered or modified without authorization of **AVC**, or to products or parts thereof which have had the serial number removed or changed.

Out of Warranty

> In the event your product requires repair after the limited warranty period has expired,
>
> please contact our Customer Support Center at **1-877-252-6873** or
>
> # www.RCAav.com
>
> Hours: Monday-Thursday: 9am-7pm, Friday: 9am-5pm, Saturday: 9am-NOON Eastern time.
>
> **Important:**
> You are responsible for any transportation, shipping or insurance relative to the return of the product to our Product Returns Center.

Limited Warranty

All warranties implied by state law, including the implied warranties of merchantability and fitness for a particular purpose, are expressly limited to the duration of the limited warranties set forth above. With the exception of any warranties implied by state law as hereby limited, the foregoing warranty is exclusive and in lieu of all other warranties, guarantees, agreements and similar obligations of manufacturer or seller with respect to the repair or replacement of any parts. In no event shall **AVC** be liable for consequential or incidental damages.

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For more information on other products and services, please contact our web site at

www.RCAav.com

Important: Also keep your "Bill of Sale" as proof of purchase.

Model no. ....   Product name ....

Type of set ....

Serial no. ....   Invoice no. ....

Date purchased ....   Dealer name ....

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