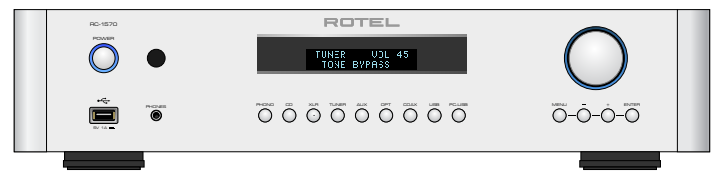


# ROTEL®



## RC-1570

Stereo Control Amplifier



**AVAILABLE AT  
DIGITAL CINEMA**

Owner's Manual

## Important Safety Instructions

### Notice

The COMPUTER I/O connection should be handled by authorized persons only.

**WARNING:** There are no user serviceable parts inside. Refer all servicing to qualified service personnel.

**WARNING:** To reduce the risk of fire or electric shock, do not expose the unit to moisture or water. Do not expose the unit to dripping or splashing. Do not place objects filled with liquids, such as vases, on the unit. Do not allow foreign objects to get into the enclosure. If the unit is exposed to moisture, or a foreign object gets into the enclosure, immediately disconnect the power cord from the wall. Take the unit to a qualified service person for inspection and necessary repairs.

Read all the instructions before connecting or operating the component.

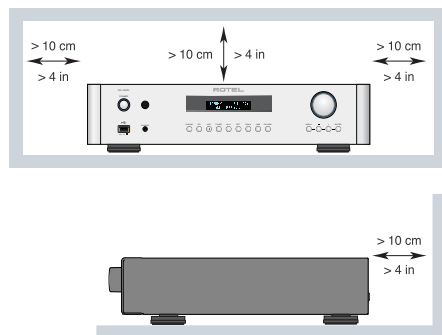
Keep this manual so you can refer to these safety instructions.

Heed all warnings and safety information in these instructions and on the product itself. Follow all operating instructions.

Clean the enclosure only with a dry cloth or a vacuum cleaner.

Do not use this unit near water.

**You must allow a minimum 10 cm or 4 inches of unobstructed clearance around the unit.**



Do not place the unit on a bed, sofa, rug, or similar surface that could block the ventilation openings. If the unit is placed in a bookcase or cabinet, there must be ventilation of the cabinet to allow proper cooling.

Keep the component away from radiators, heat registers, stoves, or any other appliance that produces heat.

**WARNING:** The rear panel power cord connector is the mains power disconnect device. The device must be located in an open area that allows access to the cord connector.

The unit must be connected to a power supply only of the type and voltage specified on the rear panel. (USA: 120 V/60Hz, EC: 230V/50Hz)

Connect the component to the power outlet only with the supplied power supply cable or an exact equivalent. Do not modify the supplied cable. A polarized plug has two blades, with one wider than the other. A grounding plug has two blades plus a third grounding prong. These are provided for your safety. Do not defeat grounding and/or polarization safety provisions. If the supplied plug does not fit your outlet, please consult an electrician for replacement of the obsolete outlet. Do not use extension cords.

The main plug of the power cordset is a disconnect device of the apparatus. In order to completely disconnect the apparatus from the supply mains, the main plug of the power cordset should be unplugged from the mains (AC) outlet. The power LED indicator will not be lit up to show the power cord is unplugged. The disconnect device shall remain readily operable.

Do not route the power cord where it will be crushed, pinched, bent, exposed to heat, or damaged in any way. Pay particular attention to the power cord at the plug and where the cord exits the back of the unit.

The power cord should be unplugged from the wall outlet during a lightning storm or if the unit is to be left unused for a long period of time.

Use only accessories specified by the manufacturer.

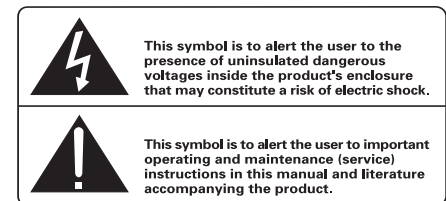
Use only with a cart, stand, rack, bracket or shelf system recommended by Rotel. Use caution when moving the unit in a stand or rack to avoid injury from a tip-over.



Immediately stop using the component and have it inspected and/or serviced by a qualified service agency if:

- The power supply cord or plug has been damaged.
- Objects have fallen or liquid has been spilled into the unit.
- The unit has been exposed to rain.
- The unit shows signs of improper operation.
- The unit has been dropped or damaged in any way.

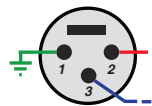
The batteries in the remote control should not be exposed to excessive temperature such as sunshine, fire or other heat sources.



Rotel products are designed to comply with international directives on the Restriction of Hazardous Substances (RoHS) in electrical and electronic equipment and the disposal of Waste Electrical and Electronic Equipment (WEEE). The crossed wheellie bin symbol indicates compliance and that the products must be appropriately recycled or processed in accordance with these directives.

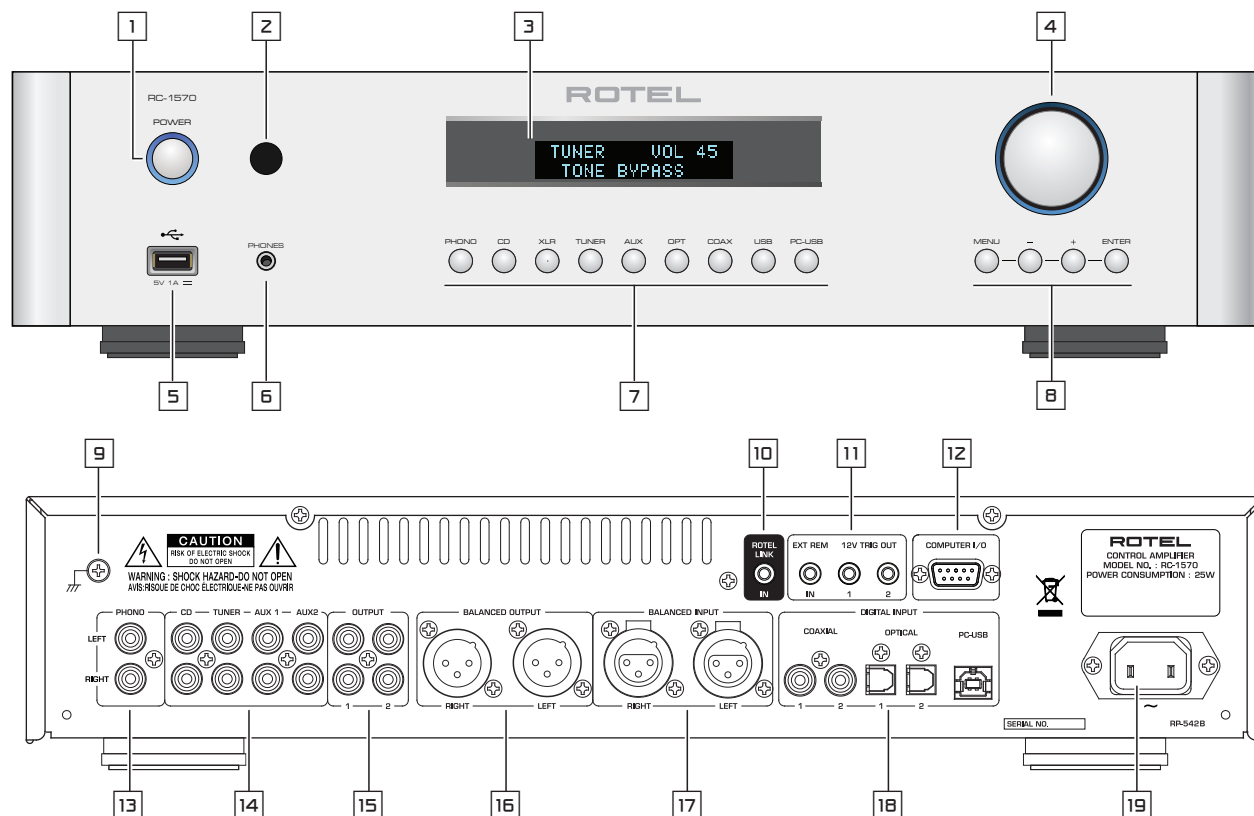
This symbol means that this unit is double insulated. An earth connection is not required.

Pin Assignments  
Balanced Audio (3 pole XLR):  
Pin 1: Ground / Screen  
Pin 2: In phase / +ve / Hot  
Pin 3: Out of phase / -ve / Cold



**Figure 1: Controls and Connections**  
 Commandes et Branchements  
 Bedienelemente und Anschlüsse  
 Controles y Conexiones

**Bedieningselementen en aansluitingen**  
 Controlli e connessioni  
 Kontrollor och anslutningar  
 Органы управления и разъемы



**Figure 2: RR-AX92 Remote Control**  
 Télécommande infrarouge RR-AX92  
 Fernbedienung RR-AX92  
 Mando a Distancia RR-AX92  
 Afstandsbediening RR-AX92  
 Telecomando RR-AX92  
 RR-AX92 fjärrkontroll  
 Пульт ДУ RR-AX92

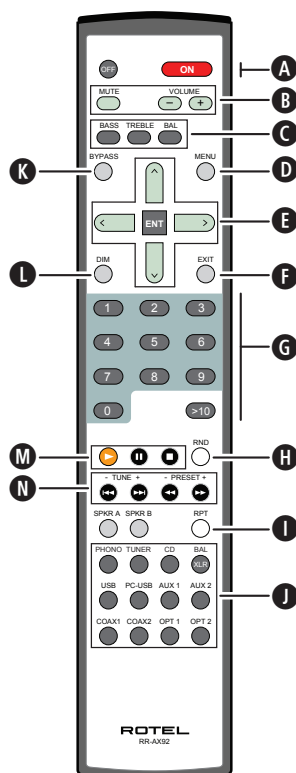
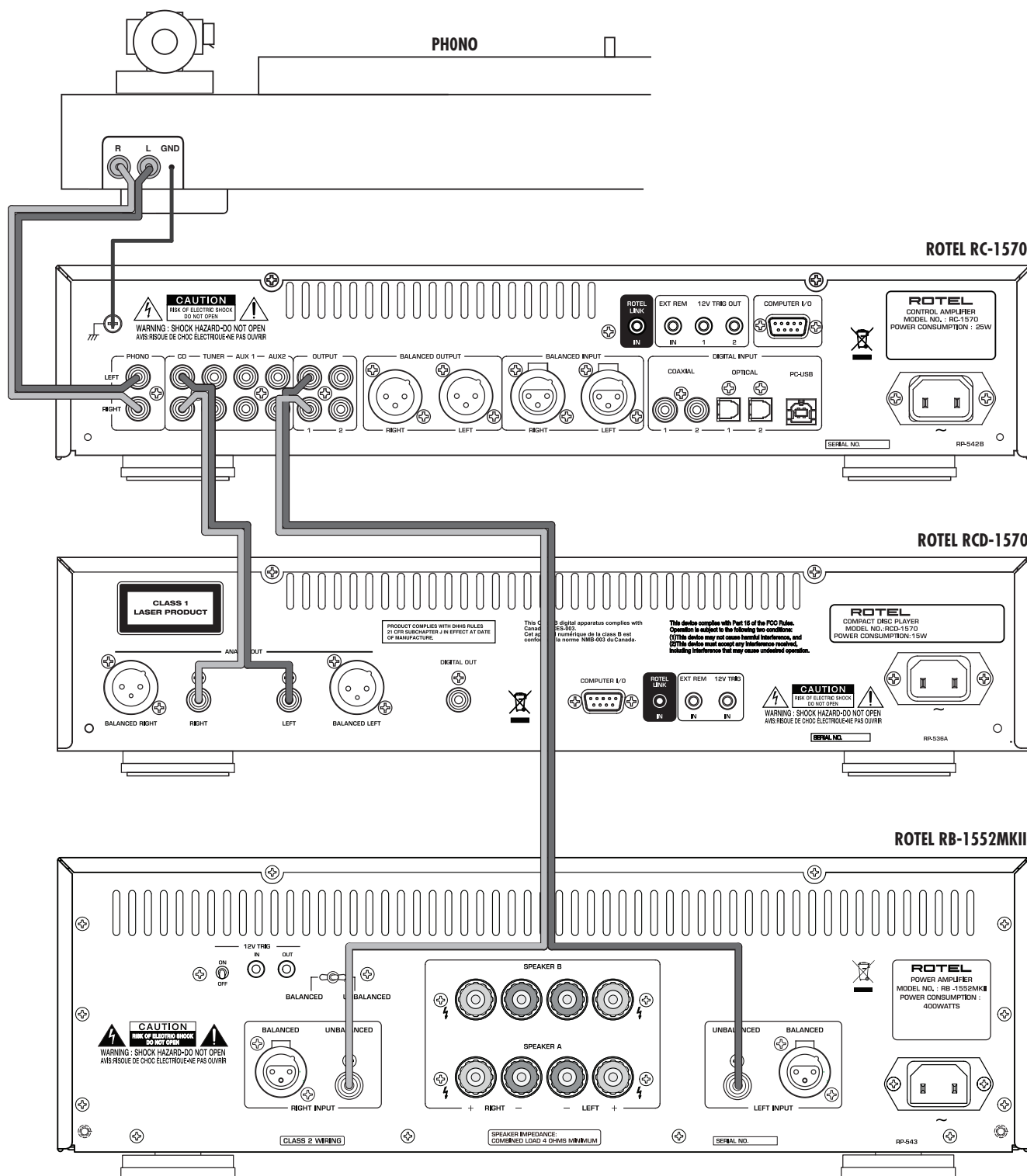


Figure 3: Analog Input and Output Connections  
 Branchements des entrées et sorties analogiques  
 Analoge Ein- und Ausgangsanschlüsse  
 Entradas y Salidas Analógicas

Analoge ingangen en uitgangen  
 Collegamenti ingressi ed uscite analogici  
 Anslutningar för analoga in- och utgångar  
 Аналоговые входные и выходные разъемы



**Figure 4: Balanced (XLR) Input and Output Connections**  
 Branchements des entrées et sorties symétriques (XLR)  
 Symmetrische (XLR)-Ein- und Ausgangsanschlüsse  
 Entradas y Salidas Balanceadas (XLR)

Gebalanceerde ingangen (XLR) en uitgangen  
 Ingressi ed uscite analogici bilanciati (XLR)  
 Balanserade in- och utgångar (XLR)  
 Балансные (XLR) входные и выходные разъемы

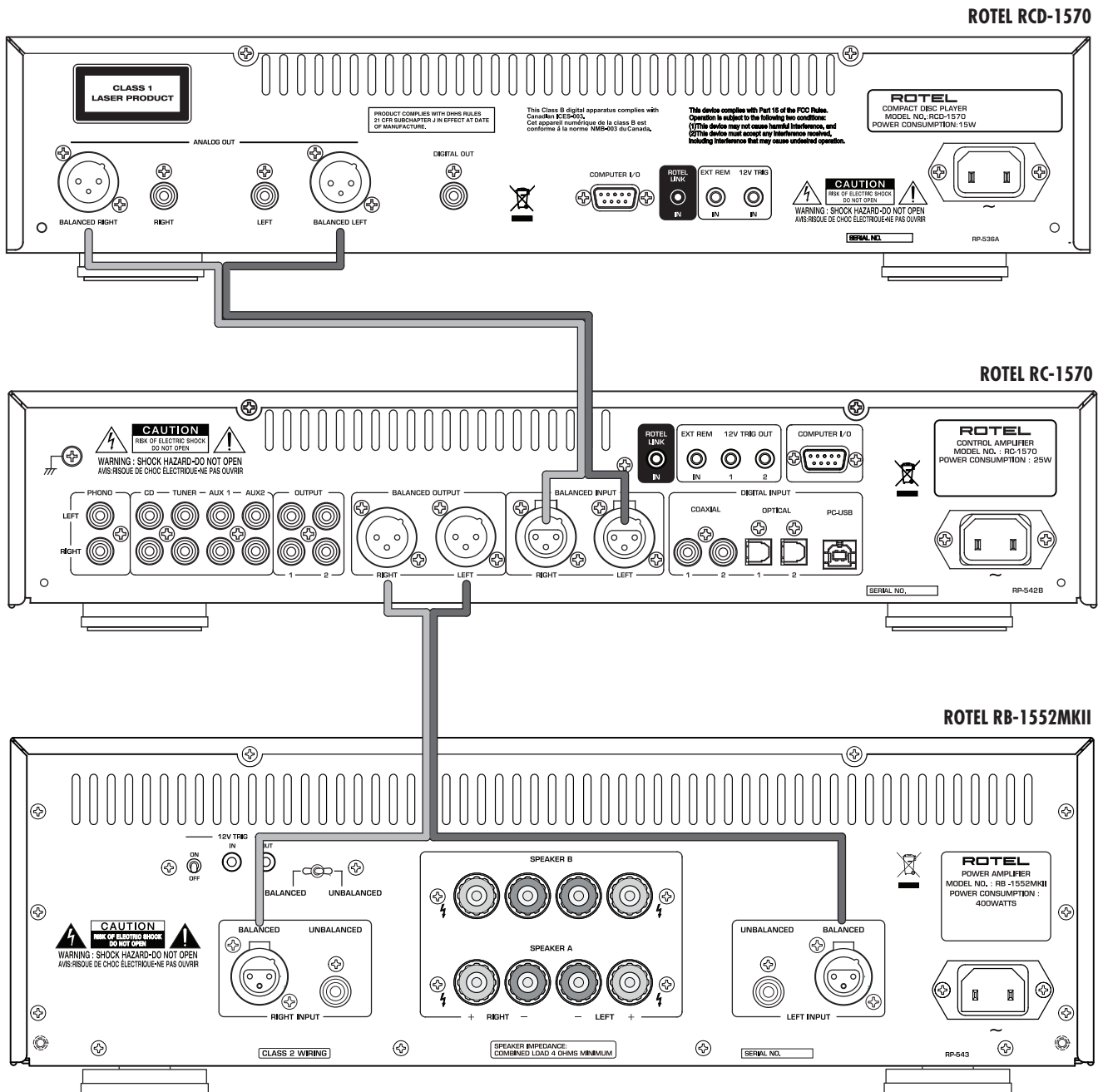


Figure 5: Digital Inputs and 12V Trigger Output

Entrées numériques et Branchements des sorties trigger 12 V

Digitale Eingänge und 12V-Trigger-Ausgang

Entradas Digitales y Salida para Señal de Disparo de 12V

Digitale ingangen en 12V-triggervuitgang

Collegamenti ingressi digitali e segnali Trigger 12 V

Anslutningar för digitala ingångar och 12-volts styrsignaler

Цифровой вход и выход 12-В триггерного сигнала

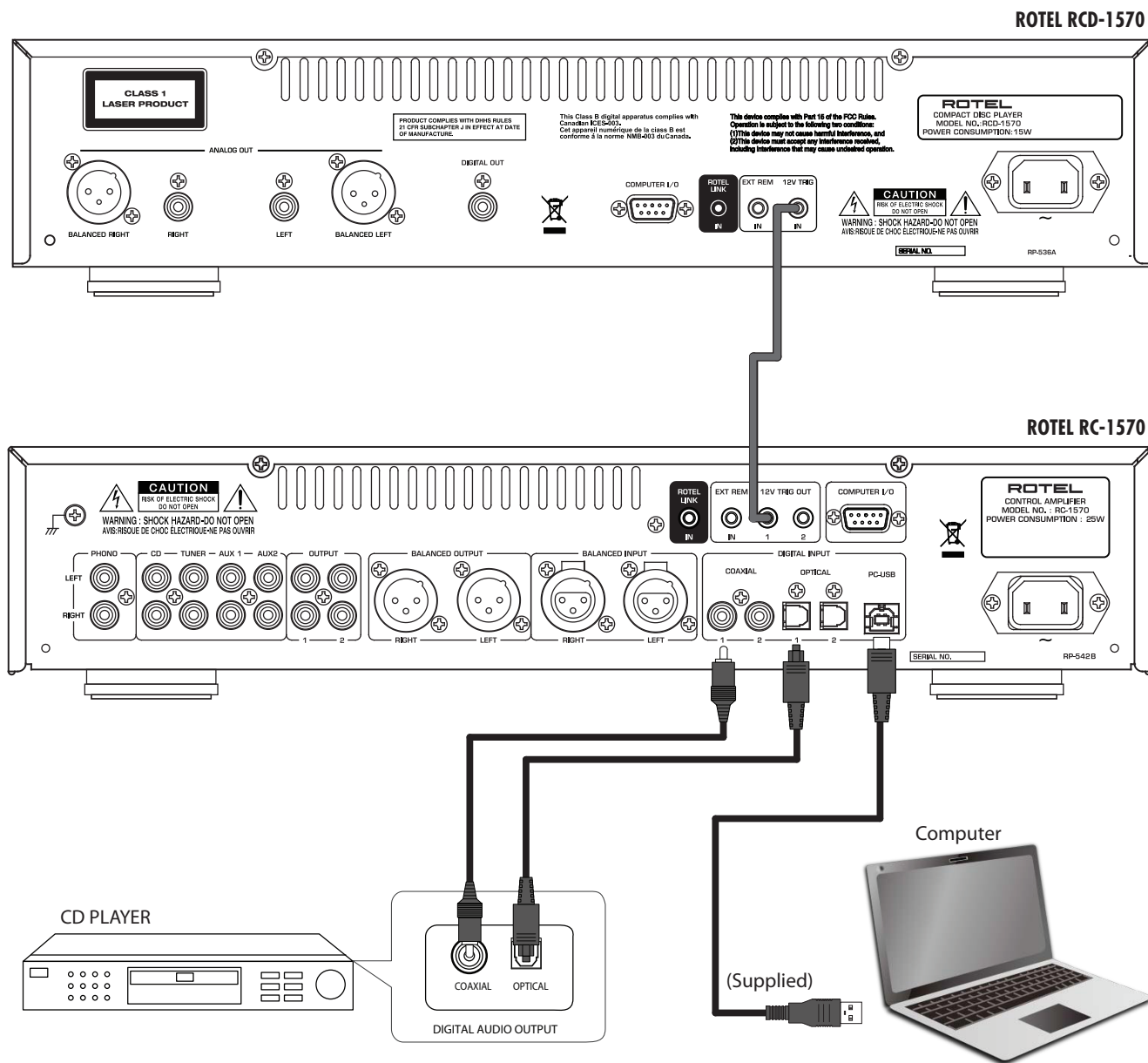
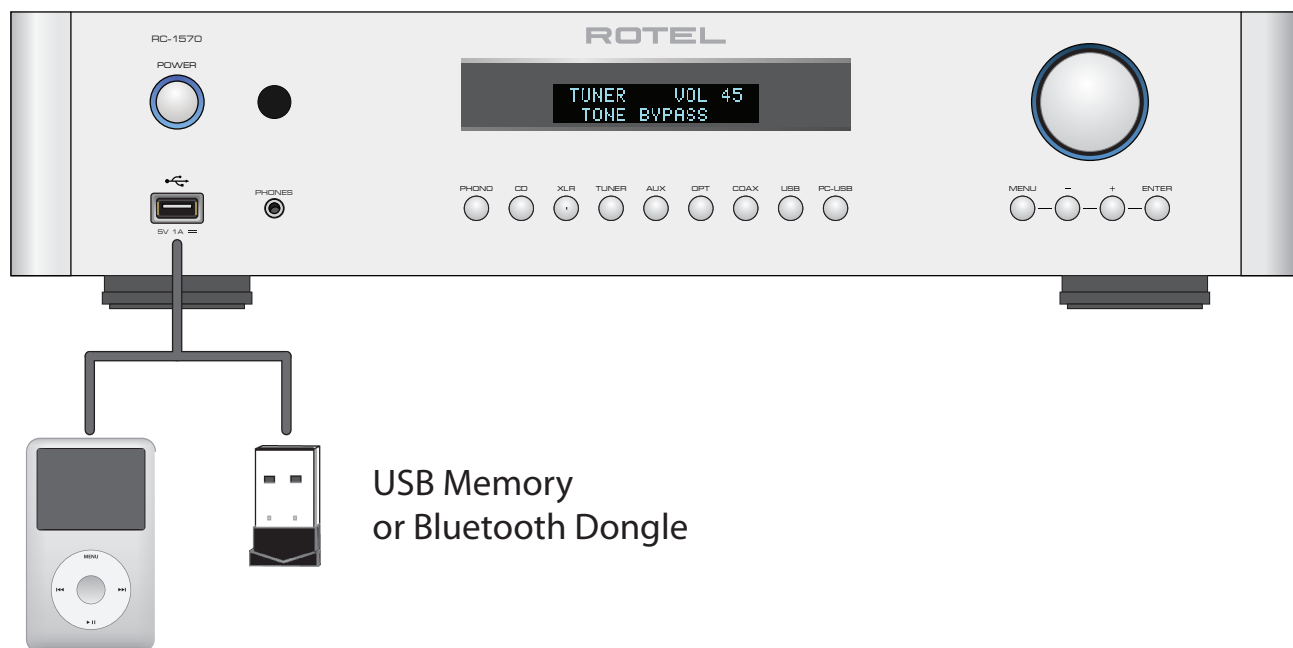


Figure 6: Front USB Input  
Entrée USB en face avant  
Frontseitiger USB-Eingang  
Entrada USB Frontal

USB-ingang op het voorpaneel  
Ingresso USB frontale  
USB-port på fronten  
Цифровой вход USB на передней панели



USB Memory  
or Bluetooth Dongle



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## About Rotel

Our story began over 50 years ago. Over the decades, we have received hundreds of awards for our products and satisfied hundreds of thousands of people who take their entertainment seriously - like you!

Rotel was founded by a family whose passionate interest in music led them to manufacture high-fidelity components of uncompromising quality. Through the years, that passion has remained undiminished and the family goal of providing exceptional value for audiophiles and music lovers, regardless of their budget, is shared by all Rotel employees.

Rotel's engineers work as a close team, listening to, and fine tuning, each new product until it reaches their exacting musical standards. They are free to choose components from around the world in order to make that product the best they can. You are likely to find capacitors from the United Kingdom and Germany, semiconductors from Japan or the United States, while toroidal power transformers are manufactured in Rotel's own factory.

We all have concerns about our environment. And, as more and more electronics are produced it is especially important for a manufacturer to do all it can to engineer products that have a minimum impact on the environment.

At Rotel, we are proud to do our part. We have reduced the lead content in our products by using special lead-free ROHS solder and components. Our engineers continually strive to improve power supply efficiency without compromise to quality. When in standby mode Rotel products use minimal power to meet global Standby Power Consumption requirements.

The Rotel factory is also doing their part to help the environment through constant improvements to product assembly methods for a cleaner and greener manufacturing processes.

All of us at Rotel thank you for buying this product. We are sure it will bring you many years of enjoyment.

## Getting Started

Thank you for purchasing the Rotel RC-1570 Stereo Control Amplifier. When used in a high-quality music audio system, your Rotel product will provide years of musical enjoyment.

The RC-1570 is a full featured, high performance component. All aspects of the design have been optimized to retain the full dynamic range and subtle nuances of your music. The RC-1570 has a highly regulated power supply incorporating a Rotel custom-designed toroidal power transformer and custom-made slit foil capacitors. This low impedance power supply has ample power reserves, which enables the RC-1570 to easily reproduce the most demanding audio signals. This type of design is more expensive to manufacture, but it is better for the music.

The printed circuit boards (PCB) are designed with Symmetrical Circuit Traces. This ensures that the precise timing of the music is maintained and faithfully recreated. The RC-1570 circuitry uses metal film resistors and polystyrene or polypropylene capacitors in important signal paths. All aspects of this design have been examined to ensure the most faithful music reproduction.

The main functions of the RC-1570 are easy to install and use. If you have experience with other stereo systems, you shouldn't find anything perplexing. Simply plug in the associated components and enjoy.



## A Few Precautions

**WARNING:** To avoid potential damage to your system, turn off ALL the components in the system when connecting or disconnecting the loudspeakers or any associated components. Do not turn the system components back on until you are sure all the connections are correct and secure. Pay particular attention to the speaker wires. There must be no loose strands that could contact the other speaker wires, or the chassis of the amplifier.

Please read this manual carefully. In addition to basic installation and operating instructions, it provides valuable information on various RC-1570 system configurations as well as general information that will help you get optimum performance from your system. Please contact your authorized Rotel dealer for answers to any questions you might have. In addition, all of us at Rotel welcome your questions and comments.

Save the RC-1570 shipping carton and all enclosed packing material for future use. Shipping or moving the RC-1570 in anything other than the original packing material may result in severe damage to your amplifier.

If included in the box please fill out and send in the owner's registration card. Also be sure to keep the original sales receipt. It is your best record of the date of purchase, which you will need in the event warranty service is ever required.

## Placement

Like all audio components that handle low-level signals, the RC-1570 can be affected by its environment. Avoid placing the RC-1570 on top of other components. Also avoid routing audio signal cables near power cords. This will minimize the chance it will pick up hum or interference.

We recommend installing the RC-1570 in furniture designed to house audio components. Such furniture is designed to reduce or suppress vibration which can adversely affect sound quality. Ask your authorized Rotel dealer for advice about component furniture and proper installation of audio components.

The RC-1570 is supplied with an RR-AX92 remote control and must be placed where the infrared signal from the remote can reach the front panel Remote Sensor.

## Cables

Be sure to keep the power cords, digital signal cables and regular audio signal cables in your installation away from each other. This will minimize the chance of the regular audio signal cables picking up noise or interference from the power cords or digital cables. Using only high quality, shielded cables will also help to prevent noise or interference from degrading the sound quality of your system. If you have any questions see your authorized Rotel dealer for advice about the best cable to use with your system.

## The RR-AX92 Remote Control

Some functions can be done with either the front panel controls, or the supplied RR-AX92 remote control. When these operations are described, the square call out numbers refer to the main unit, while the encircled letters refer to the remote control.

## Second Amplifier Remote Code

The factory setting is remote code 1. If you find that the remote is conflicting with other Rotel amplifiers, you can change to remote code 2 with the following steps.

1. From the remote control press Tuner **1** and 2 **6** at the same time to set the remote control to send Audio Code 2.
2. Point the remote at the unit and press 2 **6** key for 8 seconds. The unit will show "Audio Custom Code 1 -> 2".
3. Repeat the above procedure and press "1" key instead of "2" to change the unit back to Code 1.

**NOTE:** The remote control can be used to operate the basic functions of Rotel tuners and CD players. Remote control buttons labeled **G H M N** can be used to operate CD or Tuner functions in your system. For the remote control to operate properly, make sure both the remote control and the CD or Tuner are both in same remote code, either Code 1 or 2. For more information please contact your authorized Rotel dealer.

## Remote Control Batteries

Two UM-4/AAA size batteries (supplied) must be installed before the remote control can be used. To install the batteries, remove the cover on the back of the RR-AX92. Install the batteries as shown in the illustration in the battery well. Test the control for proper operation, then replace the cover. When the batteries become weak the remote control won't operate the RC-1570 consistently. Installing fresh batteries should eliminate the problem.

## AC Power and Control

### AC Power Input **19**

Your RC-1570 is configured at the factory for the proper AC line voltage in the country where you purchased it (either 120 volts AC or 230 volts AC with a line frequency of either 50 Hz or 60 Hz). The AC line configuration is noted on a decal on the back panel.

**NOTE:** Should you move your unit to another country, it may be possible to reconfigure it for use on a different line voltage. Do not attempt to perform this conversion yourself. Opening the enclosure of the unit exposes you to dangerous voltages. Consult a qualified service person or the Rotel factory service department for information.

**NOTE:** Some products are intended for sale in more than one country and as such are supplied with more than one AC cord. Please only use the one appropriate for your country/region.

The RC-1570 should be plugged directly into a 2-pin polarized wall outlet. Do not use an extension cord. A heavy duty multi-tap power outlet strip may be used if it (and the wall outlet) is rated to handle the current demanded by the RC-1570 and all the other components connected to it.

If you are going to be away from home for an extended period of time such as a month long vacation, it is a sensible precaution to unplug the RC-1570 (as well as other audio and video components) while you are away.

### POWER Switch and Power Indicator **1**

Press the front panel Power Switch button to turn the unit on. The Power Indicator light is illuminated when the unit is on. Press the Power Switch button again to turn the unit off.

When the power switch is in the ON position, the remote control ON and OFF buttons may be used to activate the RC-1570. In Standby mode the power LED remains lit, but the display is turned OFF.

**NOTE:** Place the self adhesive ring over the light surrounding the power switch if the blue light is too bright.

### 12V TRIGGER Connection 11

Some audio components can be turned on automatically when they receive a 12V turn on "signal". The two 12V Trigger Outputs on the RC-1570 provide the required signal. Connect compatible components to the RC-1570 with a conventional 3.5mm mini mono plug cable. When the RC-1570 is in standby mode, the trigger signal is disabled, so the components controlled by it will be turned off.

**NOTE:** If you are using other units in the series with Rotel link, please use the Rotel Link connection to turn the units on or off. Do not connect both the Rotel Link and 12V trigger cables. The 12V trigger's power on or off features will override the Rotel Link features.

## Input Signal Connections 9 13 14 17

See Figure 3

**NOTE:** To prevent loud noises that neither you nor your speakers will appreciate, make sure the system is turned off when you make any signal connections.

### Phono Input 13 and Ground Connection (GND) 9

See Figure 3

Plug the cable from the turntable into the appropriate left and right phono inputs. If the turntable has a "ground" wire, connect it to the screw terminal to the left of the Phono inputs. This will help prevent hum and noise.

### Line Level Inputs 14

See Figure 3

The CD, Tuner, and Aux inputs of the amplifier are analog "line level" inputs. These inputs are for connecting components such as CD players or other audio playback devices with an analog audio output.

The left and right channels are clearly labeled and should be connected to the corresponding channels of the source component. The Left connectors are white, the Right connectors are red. Use high quality RCA cables for connecting input source components to the RC-1570. Ask your authorized Rotel dealer for advice about cables.

### Balanced (XLR) Inputs 17

See Figure 4

A pair of balanced XLR inputs accept audio signals from CD player, Blu-ray player or other source components with XLR outputs.

**NOTE:** You should choose only one method of analog connection from a source component to RC-1570. Do not connect both the RCA and XLR outputs of a source component to the RC-1570 at the same time.

## Digital Inputs 18

See Figure 5

There are two sets of digital inputs labeled COAXIAL 1 and 2, OPTICAL 1 and 2. Connect the COAXIAL or OPTICAL PCM outputs of your source component into these sockets. The digital signals will be decoded and played by the RC-1570. The unit is capable of decoding PCM signals up to 24 bit, 192kHz.

## Output Connections 15 16

### Preamp Output 15

See Figure 3

The RC-1570 RCA-type output connectors are compatible with most power amplifiers. As always, select high quality audio interconnect cables. Connect the left and right channel outputs of the RC-1570 to the corresponding inputs on the preamplifier or other component.

**NOTE:** There are two sets of RCA outputs on the RC-1570. The second set of outputs may be used in custom system configurations to drive a second power amplifier or to supply a signal to a special signal processor.

### Balanced (XLR) Preamp Output 16

See Figure 4

A pair of XLR balanced connectors supplies an analog output signal from the RC-1570 to a power amplifier with XLR balanced input connectors.

**NOTE:** Do not connect both the RCA and XLR to the same amplifier at the same time.

## Headphone Output 6

The headphone output allows you to connect headphones for private listening. This output accepts a standard 3.5mm (1/8") mini stereo headphone connector. Plugging in a set of headphones does not cut off the signal to the preamp outputs. In most instances you should turn off the power amplifier when listening to headphones.

**NOTE:** Because the sensitivity of speakers and headphones can vary widely, always reduce the volume level before connecting or disconnecting headphones.

## Remote Sensor 2

This remote sensor window receives IR commands from the remote control. Please do not block this sensor.

## Display 3

The front panel display shows the source selected, volume level and tone settings.

## Front USB Input

See Figure 6

The front USB input can be connected to an iPod, iPhone, USB flash memory or the Bluetooth dongle (supplied) for wireless streaming. With iPod or iPhones, simply plug the device into the front USB and select USB function from the source selector. The iPod and iPhone remain active allowing search and play functions.


### Bluetooth Connection

Insert the supplied Bluetooth Dongle into the front USB of the RC-1570 for wireless streaming via Bluetooth, from your device (i.e. mobile phones). From your mobile device, look for "Rotel Bluetooth" and connect to it. Connection is normally automatic, but if prompted for a password, please press "0000" on your device.


**NOTE:** Not all Bluetooth dongles will operate with RC-1570. Please use the one supplied.

## Audio Controls




### Volume Control

Turn the controls clockwise to increase the volume, or counter clockwise to decrease the volume. From the remote control press the volume + or - button to turn the volume up or down. Press the MUTE  button to completely mute the volume.


### Balance Control

The Balance Control adjusts the left-to-right balance of the sound output. The factory default is the center position or "0". To change the balance from the front panel, press the MENU  button to toggle the front display to BALANCE SETTING mode. Then press the - or + buttons on the front panel to change the value to LEFT or RIGHT. The value can change from L15 to R15.


**NOTE:** This setting is saved permanently including after powering off the RC-1570.

To make temporary changes not saved after power off, from the remote control press the BAL  button to access the BALANCE SETTING menu, then press the left/right  arrow keys to adjust. When finished, press the EXIT  button to exit the menu.


### Tone Control Bypass

Bass and Treble Control (Tone Control) circuits are bypassed at factory default to ensure the purest possible sound. The front display will show TONE BYPASS. To turn on the tone control from the front panel, press the MENU  button to toggle to the Bypass control then press the - or + buttons on the front panel to turn bypass on or off.

**NOTE:** This setting is saved permanently including after powering off the RC-1570.



To temporarily changes the Tone Control Bypass, press the BYPASS  button on the remote control to toggle the Bypass mode enabled and disabled.

### Bass and Treble Controls

Set the Bass or Treble controls from the front panel by pressing the MENU  button to toggle to either the Bass or Treble Setting menu. Then press the - or



+ button on the front panel to adjust the value. The Bass and Treble values range from -10 to +10.

**NOTE:** These settings are saved permanently including after powering off the RC-1570.

To temporarily change the Bass and Treble settings from the remote control, press the BASS or TREBLE  button, then press the left/right  arrow keys on the remote control to adjust the value.

A properly setup high-performance audio system produces the most natural sound with little or no adjustment of the tone controls. Use these controls sparingly. Be particularly careful when turning the controls up as this increases the power output in the bass or treble range, increasing the load on the amplifier and speakers.

**NOTE:** Setting the Bass and Treble controls do not automatically turn on the tone control. To turn on tone control, refer to previous section Tone Control Bypass.

**NOTE:** Tone Bypass, Bass, Treble and Balance settings are only saved permanently from within the Menu. Adjustments made using the   buttons are temporary only and not saved after power off.


### Function Control

The Function control selects the input signal source. From the front panel or remote control press the corresponding input button to select the source to listen to.


**NOTE:** Pressing the Aux, Opt and Coax keys on the front panel will toggle between input 1 and input 2.


## Dimmer Control

### Display Dimmer

To change the brightness of the front display, press the MENU  button to toggle to the Display Settings. Then press the - or + buttons on the front panel to change the display brightness.

**NOTE:** This setting is saved permanently including after powering off the RC-1570.

To temporarily change the display brightness, press the DIM  button on the remote control.

**NOTE:** Display Dimmer setting is only saved permanently from within the Menu. Adjustment made using the  button is temporary only and not saved after power off.

## Rotel Link

This 3.5 mm stereo mini-jack (labeled ROTEL LINK IN) can optionally attach to Rotel network enabled products with ROTEL LINK OUT connections. This allows the attached Rotel products to communicate with each other and be controlled via the Rotel Remote App (available for download on the iTunes® store).

## EXT REM IN Jack

This 3.5mm mini-jack receives command codes from industry-standard infrared receivers via hard-wired connections. This feature could prove useful when the unit is installed in a cabinet and the front-panel sensor is blocked. Consult your authorized Rotel dealer for information on these external repeaters and the proper wiring of a jack to fit the mini-jack receptacle.

## Computer I/O Connector

The RC-1570 can be controlled via RS232 for integration with automation systems. The COMPUTER I/O input accepts a standard straight DB-9 Male-to-Female cable.

For additional information on the connections, software, and operating codes for computer control of the RC-1570, contact your authorized Rotel dealer.

## PC-USB Input

See Figure 5

Connect this input using the supplied USB cable to the PC-USB socket of your computer.

The RC-1570 supports both USB Audio Class 1.0 and USB Audio Class 2.0 modes. Windows computers do not require installation of a driver for USB Audio Class 1.0 and support playback of audio up to 96kHz sampling rates. The Factory Default setting is USB Audio Class 1.0.

To take advantage of USB Audio Class 2.0 audio playback supporting up to 192kHz sampling rates you will need to install the Windows driver supplied on CD included with the RC-1570. You will also need to switch the RC-1570 to USB Audio Class 2.0 playback mode with the following:

- Press MENU on the front panel until "PC-USB AUDIO CLASS" appears on the display.
- Select "2.0" using the "-" key then press "ENTER".
- Power cycle the RC-1570 and reboot your PC after changing the USB Audio mode to ensure both units are properly configured.






Many audio playback applications do not support 192kHz sampling rate. Please confirm your audio player supports 192kHz audio and you have 192kHz audio files to properly playback this sample rate. Also, you may need to configure the audio driver in your PC to output 192kHz or your computer may "down sample" to a lower audio sample rate. For more information please refer to your audio player or operating system information.

**NOTE:** USB Audio Class 2.0 required installation of the Windows PC driver on the CD ROM included with the RC-1570.

**NOTE:** MAC computers do not require a driver to support PC-USB 1.0 or 2.0 audio.

**NOTE:** Upon successful installation of the driver, you may need to select the ROTEL audio driver from the audio/speaker setup of your computer.

## Settings Menu

You can access the settings menu from the front panel by pressing the MENU  button or the MENU  button on the remote control. You can change the value of the selected option by pressing the +/- button on the front panel or left/right  arrow keys on the remote control. Step through the sub-menus by pressing the MENU  button on the front panel or MENU  button on the remote control.

- Tone Control: TONE BYPASS ON/OFF, BASS level and TREBLE levels can be changed to desired settings. Press the ENTER button on the front panel or the ENT key on the remote control to toggle between the tone setup options. (For more information on Tone Control refer to the Tone Control Bypass, Bass and Treble control sections.)

**NOTE:** These settings are stored permanently even after the RC-1570 is powered off.

- BALANCE: Changes left/right balance (For more information on Balance sections).

**NOTE:** This setting is stored permanently even after the RC-1570 is powered off.

- DIMMER: Dims the display.

**NOTE:** This setting is stored permanently even after the RC-1570 is powered off.

- ROTEL LINK RCD: Selects how the CD player is connected to the amplifier, either CD (analog), COAX1 or COAX2. CD is the factory default.

- POWER ON MAX VOLUME: This sets the maximum volume level when the unit is turned ON. "45" is the factory default.

**NOTE:** Power On Max Volume settings do not apply to sources configured with Fixed Gain.

- AUTO POWER OFF: The RC-1570 can be configured to automatically power off if unused for a specified period. If no changes are made to the unit within the specified "Auto Power Off" timer the unit will automatically go to STANDBY mode. The Auto Power Off timer will be restarted if changes are made to the volume, source or playback. The default for Auto Power Off is set to DISABLE.

Valid settings include: DISABLE, 1 HOUR, 2 HOURS, 5 HOURS, 12 HOURS.

- FIXED GAIN: Configures a Fixed Volume level for a specified input. To enable this feature press the +/- keys to select the desired fixed volume level for Aux 1, Coax 1, Coax 2, Optical 1, Optical 2, PC-USB or Bluetooth. When enabled and the input with a Fixed Volume is selected, the Volume level will immediately be set to the specified level.

Valid settings include: VARIABLE, FIXED 1-95, FIXED MAX.

**NOTE:** The Volume knob on the front panel and Volume +/- buttons on the IR remote are disabled when the volume is Fixed. To disable this feature set the Fixed Volume level to "Variable".

- AUX1 VOL: VARIABLE (disabled) is factory default.

- COAX1 VOL: VARIABLE (disabled) is factory default.
- COAX2 VOL: VARIABLE (disabled) is factory default.
- OPT1 VOL: VARIABLE (disabled) is factory default.
- OPT2 VOL: VARIABLE (disabled) is factory default.
- PC-USB VOL: VARIABLE (disabled) is factory default.
- BLUETOOTH VOL: VARIABLE (disabled) is factory default.
- PC-USB AUDIO CLASS: Changes supported PC-USB Audio Class of the attached device.

**NOTE:** Some computers attached to the PC-USB do not support USB Audio Class 2.0 and do not support 24/192 audio playback. If needed the PC-USB can be configured for USB Audio Class 1.0. Please consult your computer operating system for details.

• SOFTWARE VERSION: This shows the current software version loaded into the amplifier.

• FACTORY DEFAULT: This sets the unit back to the original state as when it left the factory. Press the + button on the front panel or the Right key on the remote control to select <YES> then press the ENTER button on the front panel or the ENT key on the remote control.

**NOTE:** All previously configured options will be erased and reset to the factory default settings.

## Troubleshooting

Most difficulties in audio systems are the result of incorrect connections, or improper control settings. If you encounter problems, isolate the area of the difficulty, check the control settings, determine the cause of the fault and make the necessary changes. If you are unable to get sound from the RC-1570, refer to the suggestions for the following conditions:

### Power Indicator Is Not Illuminated

The Power Indicator ring around the power button and the basic items in the Display window should be illuminated whenever the RC-1570 is plugged into the wall power outlet and the POWER switch is pushed in. If it does not light, test the power outlet with another electrical device, such as a lamp. Be sure the power outlet being used is not controlled by a switch that has been turned off.


### Fuse Replacement

If another electrical device works when plugged into the power outlet, but the Power Indicator still will not light when the RC-1570 is plugged into the wall outlet, it indicates that the internal power fuse may have blown. If you believe this has happened, contact your authorized Rotel dealer to get the fuse replaced.

### No Sound

Check the signal source to see if it is functioning properly. Make sure the cables from the signal source to the RC-1570 inputs are connected properly. Check all the wiring between the RC-1570 and the power amplifier, and the speakers.

### Cannot Connect via Bluetooth

If you cannot pair your Bluetooth enabled device to the RC-1570, delete the memory of the previous connection on the RC-1570 and on your device. On your device this is often listed as "Forget this Device". On the RC-1570 IR remote PRESS and HOLD the STOP  button for 5 seconds until the front display shown "Reset BT DB List?" then release the button. Select <Yes> and press "ENT". Then try to make the connection again.

### Playable Audio Format

#### USB Apple (iPhone, iPod, iPad)

Format	Notes
Any supported file loaded to Apple device.	Phone may resample depending on stored format. May exclude Apps designed to play formats not originally supported by the sending device.

#### USB Bluetooth

Format	Notes
Any format supported by the sending device.	May exclude Apps designed to play formats not originally supported by the sending device.

#### USB Flash Drive

Format	Notes
MP3	48 kHz, 16 Bit (Maximum)
WMA	
WAV	
OGG Vorbis	

#### PC-USB

Format	Notes
Format determined by the Media Player/Server software that you use.	Any supported format by the PC software: 44,1 kHz, 48 kHz, 88,2 kHz, 96 kHz, 176,4 kHz, 192 kHz 16 Bit, 24 Bit

#### Coax/Optical

Format	Notes
SPDIF LPCM	44,1 kHz, 48 kHz, 88,2 kHz, 96 kHz, 176,4 kHz, 192 kHz 16 Bit, 24 Bit

## Specifications

<b>Total Harmonic Distortion</b> (20 Hz - 20 kHz)	< 0.004%
<b>Intermodulation Distortion</b> (60 Hz : 7 kHz, 4:1)	< 0.004% at 1 V output
<b>Input Sensitivity / Impedance</b>	
Phono Input (MM)	2.5 mV / 47k ohms
Line Level Inputs (RCA)	150 mV / 24k ohms
Line Level Inputs (XLR)	300 mV / 100k ohms
<b>Input Overload</b>	
Phono Input	65 mV
Line Level Inputs	4.3 V
<b>Output Level / Impedance</b>	
Output (RCA)	1V / 100 ohms
Output (XLR)	2V / 100 ohms
<b>Frequency Response:</b>	
Phono Input	20 Hz - 20k Hz, 0 ± 0.3 dB
Line Level Inputs	4 Hz - 100k Hz, 0 ± 0.3 dB
<b>Tone Controls</b>	
Bass	±10 dB at 100Hz
Treble	±10 dB at 10kHz
<b>Signal to Noise Ratio</b> (IHF "A" weighted)	
Phono Input	80 dB
Line Level Inputs	110 dB
<b>Digital Section</b>	
<b>Frequency Response</b>	10 Hz - 95 kHz (± 3.0 dB, Max)
<b>Signal to Noise Ratio</b> (IHF "A" weighted)	100 dB
<b>Input Sensitivity/Impedance</b>	0 dBfs / 75 ohms
<b>USB/iPod Digital Signals</b>	WAV, MP3, WMA (up to 48k Hz 16 bit)
<b>Coaxial/Optical Digital Signals</b>	SPDIF LPCM (up to 192k Hz 24 bit)
<b>PC-USB</b>	USB Audio Class 1 (up to 96k Hz 24 bit) USB Audio Class 2 (up to 192k Hz 24bit)* *Driver installation required
<b>General</b>	
<b>Power Requirements:</b>	
USA:	120 Volts, 60 Hz
EC:	230 Volts, 50 Hz
<b>Power Consumption</b>	25 watts
<b>Standby Power Consumption</b>	< 0.5 watts
<b>BTU</b> (at 13.5 watts)	46 BTU/h
<b>Dimensions</b> (W x H x D)	431 x 99 x 320 mm (17 x 4 x 12 <sup>5</sup> / <sub>8</sub> ins)
<b>Front Panel Height</b>	2U (88.1 mm, 3 <sup>1</sup> / <sub>2</sub> ins)
<b>Weight</b> (net)	7 kg, 16 lbs.

"Made for iPod," and "Made for iPhone," means that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, or iPhone may affect wireless performance.

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