

# ROTEL *hi fi*

## RCD 975

Digital Compact Disc Player

## Owners Manual

English/German/Spanish section included.

Please write the serial number, date of purchase and the name of your ROTEL *hi fi* AUTHORIZED DEALER in the spaces provided for your future reference.

Serial Number \_\_\_\_\_ Purchase date \_\_\_\_\_.

ROTEL *hi fi* AUTHORIZED DEALER \_\_\_\_\_.

## A WORD FROM ALL OF US AT ROTEL

Thank you for purchasing our RCD 975 Digital Compact Disc Player. We have been designing and manufacturing high quality, high performance audio electronics for more than 30 years. This CD player was designed by us to offer lifelike sound and is a natural extension of our love for music. Our passion for good sound and our love of music is well known. We believe that the music played through the RCD 975 will be a source of enjoyment to you for many years to come.

Rotel is committed to making quality products to enhance your life. We have designed this CD player to be durable, easy to use and to have *high fidelity to the original sound*. Please read the owners manual to ensure that the RCD 975 is properly installed and able to offer optimum performance. We appreciate being a part of your life.

## FEATURES OF THE RCD 975 CD PLAYER

This CD player uses two Multiplebit Bitstream Continuous Calibration Digital to Analog Converters in a dual differential circuit and a 16x Oversampling 20 Bit Digital Filter. This D/A conversion system has very low noise levels compared to conventional bitstream designs and is free from spurious signals. This circuit design has superb low level linearity and cancels common mode distortion in the conversion process. The D/A constantly adjusts for changes in voltage and ambient temperature. This is more accurate than conventional laser trimmed converter chip sets. We believe this helps to make RCD 975 a superb sounding CD player.

The RCD 975 has an excellent, *highly regulated* power supply, derived from a toroidal transformer and slit film capacitors. This provides it with stable, low noise and ripple free power for the servo, digital and analog stages of the circuitry.

We designed and manufactured RCD 975 with the Philips CDM-9 loader and a Philips single-beam, radial tracking laser pickup system. We have chosen these designs for their superb performance. *This is more costly* than using a sled mount 3 beam design. We are convinced that their inherent excellence requires their use in the design and manufacture of the RCD 975.

## INSTALLATION OF THE RCD 975 CD PLAYER

Please place the unit on a **DRY**, level surface away from direct sunlight. Avoid placing objects on top of the RCD 975. Do not allow water to fall into the CD player as this could damage the circuitry. Avoid installing the CD player in a location where excessive heat, humidity, vibration or moisture will be a problem. We recommend installing the RCD 975 in furniture designed to house audio components. *This will allow the CD player to be on its own shelf with nothing stacked on top of it.* This will minimize potential interference with other components in your system, such as your tuner.

Component furniture will also reduce or suppress vibration and all audio components will provide improved sound when free from vibration. Ask your **ROTELhi fi Authorized Dealer** for advice about component furniture and proper installation of audio components.

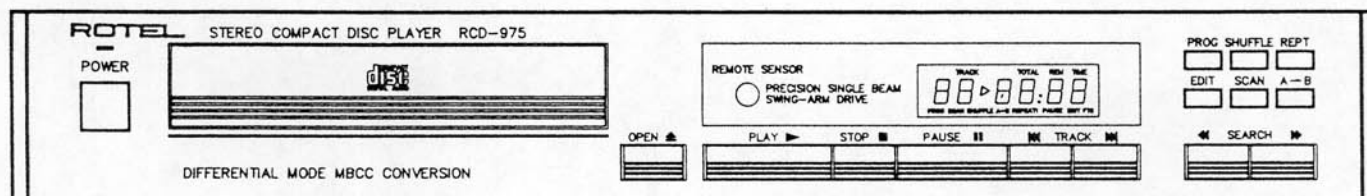
## ELECTRICAL REQUIREMENTS

This CD player is designed to work on AC voltage and the correct voltage is displayed on the Back Panel. **Do not attempt to operate the RCD 975 on incorrect voltage as this will**

**damage the circuitry and will void your warranty.** If you are in doubt about the correct voltage for this CD player we suggest that you please read the label on the back panel, the label on the packing carton or consult your **ROTEL hi fi Authorized Dealer** for confirmation of the correct voltage.

Connect the **Power Cord** to your wall socket for AC power. When you wish to disconnect the power cord from the wall always hold the plug firmly and then pull it out of the wall socket. *Do not unplug the power cord from the wall by pulling the cord only. This may damage the power cord and create a hazardous condition.* We recommend that the RCD 975 be connected to the mains' wall socket or a power line filter, not an extension cord. There are **NO** user serviceable parts inside the RCD 975. **Please do not open the cabinet as this will expose you to the risk of potentially dangerous high voltage, the risk of shock and the LASER inside could also be HAZARDOUS to your health and eyesight.**

If you wish to clean the cabinet on the RCD 975 we suggest that you clean it with a soft, DRY cloth. *Never use cleaning compounds or solvents to clean the cabinet as they may damage the finish or remove the labels.* They could also damage the circuitry if any residue falls inside the CD player.



Please refer to this drawing of the Front Panel when reading the section about Controls and the Display on the RCD 975.

## CONTROLS ON THIS CD PLAYER

The **POWER** button will turn the CD player **ON** and **OFF**. Push it in and the RCD 975 will turn ON. The **POWER INDICATOR LIGHT** and the **DISPLAY** will illuminate at the same time. If you push the Power button again the power will go OFF and the Power Indicator Light and the Display will extinguish.

The **OPEN, PLAY, STOP, PAUSE AND TRACK** buttons are *underneath* the display. The **PROGRAM, SHUFFLE, REPEAT, EDIT, SCAN, A to B** and **SEARCH** buttons are *to the right* of the display. We have attempted to make the most used controls easy to find.

The display includes the **REMOTE SENSOR** for receiving the signals from the REMOTE CONTROL handset. *Please be certain not to block this as the Remote Control handset will not function if this is covered or blocked.*

The **OPEN** button will open the drawer after you have pushed it. The display will read OPEN when you do this. A second push of the button will close the drawer and the display will show the Track numbers and the Total Time on the disc. Pressing the **PLAY** button while the drawer is OPEN will cause the drawer to close and will start Play. The display will read PLAY when you do this. You may pre select a track number before pressing Play and the CD player will begin play with the selected track number. When the drawer closes without a disc the display will read DISC.

The **STOP** button will stop all functions and the display will show the Track numbers and the Total Time of the disc. Pressing the **PAUSE** button will make the CD player stay in the same place on the CD, the CD will still spin, and the display will show the word PAUSE. *No sound will be heard until you press the PLAY button.*

The **TRACK** buttons (I<<, >>I) will advance to the next Track (>>I) or will go back to the previous Track (I<<) on the disc. If you are in the middle of a song and you press the I<< Track button once, the player will begin the *previous* song again. If you are in PAUSE and you press the I<< Track button once it will proceed to the previous track and wait for you to press the PLAY button. Pressing the >>I Track button during PLAY will cause the CD player to skip to the *next* track on the disc. If you press the **PLAY** button during a song then the RCD 975BX will begin the *same* song again.

The **PROGRAM** button will be used when you Program songs on the disc for play in a specific order or to make a recording of your favorite songs. To begin a Program, load a disc into the drawer and press the OPEN button. The RCD 975 will read the table of contents and show the Total Track Numbers and the Total Time. Next select the Track Number you wish to Program. It will be displayed in the display. Press the Program button and the song will be entered into the Program memory. The display will show the word PROGRAM, the Program number for the song and the Total Time of the Program. Repeat this for the tracks you wish to program. The RCD 975 will remember up to 20 tracks in a Program. PROGRAM may be combined with EDIT for recording. (See EDIT) Pressing the **OPEN** or the **STOP** button will erase a PROGRAM from the memory.

**SHUFFLE** play will play a disc randomly till it finishes all of the songs on the disc. SHUFFLE will appear in the display when you use this function.

The **REPEAT** button will allow you to play a whole disc, a programmed song or songs repeatedly until you cancel this function by pressing STOP. *This may be combined with SHUFFLE play as well.* The word REPEAT is shown in the display when you choose this function.

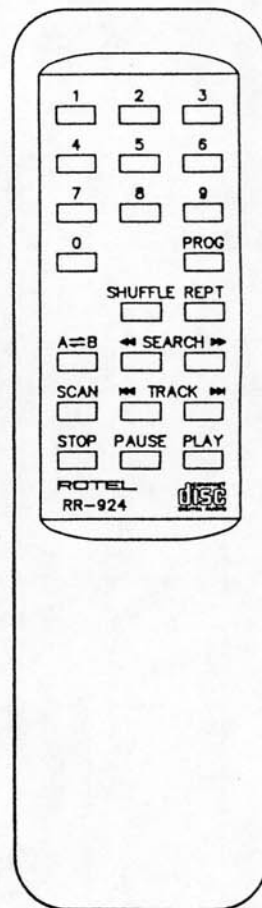
The **EDIT** button is for use when you wish to record from the RCD 975. Press the EDIT button and then choose the tape length from the lengths available by pushing one of the TRACK buttons. The preset time lengths are 30, 46, 60, 90, 100 and 120 minutes. The SEARCH buttons may be used to choose a specific time length, such as 74 minutes. Then push the PLAY button. During EDIT, the RCD 975 will divide the songs to fit the time available on the tape and insert a 5 second blank place between the songs. **Once the EDIT function is in use, the CD player will ignore all of the commands from the remote control or the front panel buttons except STOP or OPEN.** The display will show the word EDIT, the track number and the time of the current song when EDIT is in use.

The **SCAN** button will cause the CD player to play the first 10 seconds of the songs on the disc. The display will show the track number, scan time counting down from 10 seconds to 00 seconds and the word SCAN.

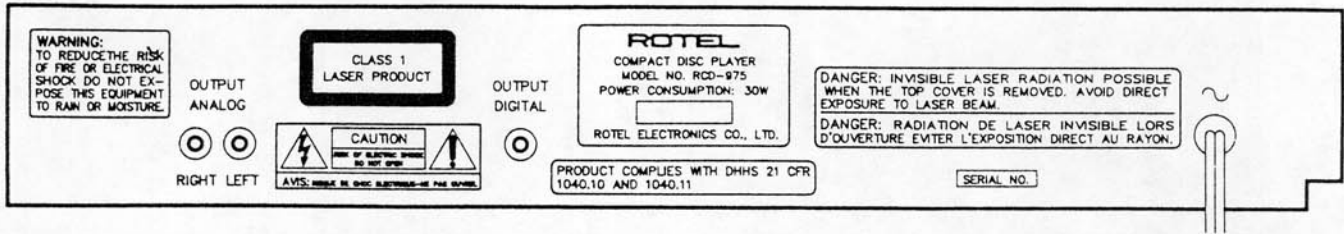
The **A-B** button will create a "time loop" that repeats until you cancel this function. Press the button at the time you wish to begin. The display will show A and the starting point. When you reach the point where you wish to end the loop, press the A to B button again. The display will show A-B and the time. This will create a time loop that repeats over and over. Press the A to B button again or STOP to cancel this function.

The **SEARCH** buttons (<<, >>) will cause the CD player to go forward or backwards in time quickly when playing a song. This is a two speed design and will begin slowly and then become faster.

The **REMOTE CONTROL** handset duplicates all the functions on the Front Panel of the RCD 975 *except* the EDIT and OPEN buttons. The keys on the Remote Control are *color coded* for ease of use.



The Direct Access Track buttons are **grey**. The Function, **PAUSE** and **STOP** buttons are **black**. The **PLAY** button is **orange**.



Please refer to this drawing of the Rear panel of the RCD 975 when connecting to your stereo system.

## CONNECTING THE RCD 975 TO YOUR SYSTEM

The rear panel of the RCD 975 has the OUTPUT connections for the CD player. These are RCA jacks and are designed to be connected to the CD or AUX input of your stereo integrated amp, receiver or preamplifier. Please observe the correct Left and Right Channel connections for optimum enjoyment of your stereo. *High performance patch cables will improve the sound of your stereo and we recommend them.* Ask your **ROTEL hi fi AUTHORIZED DEALER** for advice about cables for analog and digital signals. There is a 75 ohm Coaxial Digital Output on the back panel. This should be connected with a quality 75 ohm impedance RCA cable to the input on your external Digital to Analog Converter.

## A FINAL WORD FROM ROTEL ABOUT THIS CD PLAYER

We have designed this CD player for high performance using test equipment and the human ear. We believe that both methods are useful in the design of audio electronics. We have been designing and tuning our products in the UK for more than a decade and wish to thank our personnel in the UK for their invaluable help. *This is a time consuming process but we feel that the music benefits from this care and attention to detail.* We realize that there are many choices available in the market today and we thank you again for choosing our RCD 975 Digital Compact Disc Player to play your CDs. *Enjoy the music!*

## SPECIFICATIONS : RCD 975 COMPACT DISC PLAYER

Frequency Response	20-20,000 Hz + or - 0.05 dB
Channel Balance	+/- 0.5 dB
Phase Linearity	+/- 0.5 degree
Total Harmonic Distortion + Noise	0.0025% @ 1 kHz
Intermodulation Distortion	0.0025% @ 1 kHz
Channel Separation	> 100 dB @ 1 kHz
Signal to Noise Ratio	> 107 dB
Dynamic Range	> 100 dB
Digital to Analog Converters (2)	Multiplebit Bitstream Continuous Calibration
Digital Filter	20 Bit, 16x Oversampling
Speed Accuracy, Wow and Flutter	Quartz crystal precision
Output Level	2.0 Volts rms
Output Impedance	200 Ohms
Digital Output	0.5 Volt P.P.
Load Impedance	75 Ohms
Power Requirements	120volts/60Hz, 220-240volts/50 Hz
Power Consumption	30 watts
Weight	5.3 Kg's / 11.6 Lbs.
Dimensions	440 mm x 72 mm x 316 mm (WxHxD) 17-3/8" x 2-7/8" x 12-7/16" (WxHxD)

All specifications are accurate at the time of printing. Rotel reserves the right to make improvements without notice.

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