



K3 CD DI PLAYER

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the 1990s, the number of people in the UK who are employed in the public sector has increased from 10.5 million to 12.5 million. The public sector has become a major employer in the UK, and this has implications for the way in which the public sector is managed and the way in which it is funded.

The public sector is a complex and diverse organisation, and it is difficult to define what it is. The public sector is often defined as the part of the economy that is owned and controlled by the state. This includes the government, local authorities, and public corporations. The public sector is also often defined as the part of the economy that provides public services. This includes the health service, the education system, and the social security system.

The public sector is a major employer in the UK, and it has a significant impact on the economy. The public sector is a major source of government revenue, and it is also a major source of government expenditure. The public sector is also a major source of public services, and it is a major source of public goods.

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Congratulations

*on the purchase of your Roksan K3 CD Di CD PLAYER.  
Your audio component is designed and manufactured to  
the highest specifications and rigorously tested to offer  
many years of reliable and high quality musical enjoyment.*

*Correct installation and operation of the product will have a  
significant influence on the performance of your audio  
system and ensure many years of trouble-free listening.*



## CAUTIONS

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### AC MAINS SUPPLY

Your K3 CD Di Player is set to operate from a fixed supply voltage which is marked on a label next to the mains input plug. Before connecting the mains lead please check that your mains supply corresponds to this label as below:

230V Products: 115V Products: 100V Products:

Voltage Range: 220V – 240V

Voltage Range: 110V – 120V

Voltage Range: 90V – 110V

The mains lead supplied with this product has an IEC mains socket which plugs into the IEC connector on the unit's rear panel. The other end is normally attached to the appropriate mains plug for your country.

This plug should usually not be removed from the lead. If the plug becomes damaged or is not suitable for your socket outlet, it should be cut off and an appropriate plug fitted in its place by a qualified service personnel. The replacement plug should have the same fuse rating as the original plug. The severed plug must be disposed of to avoid a possible shock hazard and should never be inserted into a mains socket elsewhere. We suggest that you obtain a complete replacement lead from your dealer.

Should you move to another country where either the mains voltage or the mains plugs are different from those as supplied with your CD Player, please contact the appointed ROKSAN distributor for assistance.

Please observe correct mains polarity at all times.

The CD Player mains fuses are located on the rear panel next to the IEC mains connector. They must only be replaced by the fuse of the type and rating as described on the fuse rating label on the rear panel of the unit.

This product requires connection to earth (ground). The earth wire (in the UK this is colour coded green/yellow) of the mains cable supplied with your CD Player must be connected to a suitable earthing point established for this purpose by your electricity supply company. If you are in any doubt, consult a qualified electrician. If the equipment is likely to be unattended for a longer period of time, please unplug it from the mains supply.

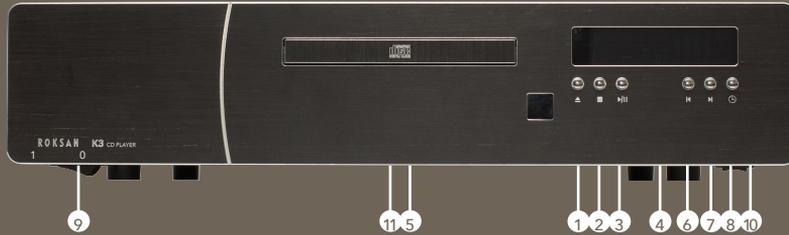


ROKSAN K3 CD DI  
MANUAL



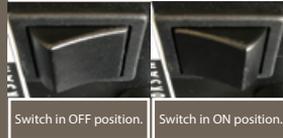
## INSTALLATION

K3 CD Di Player- Front Panel View



- 1 Open / Close Button
- 2 Stop Button
- 3 Play/Pause Button
- 4 Fluorescent Display
- 5 CD Disc Tray
- 6 Track Back Button
- 7 Track Forward Button
- 8 Display / Time Button
- 9 AC Mains Power Switch
- 10 Input Selector Switch (CD/digital optical/digital coaxial)
11. Input Selection LED Indicator (CD/digital optical/digital coaxial)

To switch the unit on, operate the AC mains switch located under the front left of the unit (9). The position to the left marked '1' is ON, position to the right marked '0' switches the unit OFF.





## ROKSAN K3 CD DI MANUAL

### K3 CD Di Player - Rear Panel View



- 12 Analogue Output (Left & Right)
- 13 Digital Outputs (Optical: Toslink; Balanced: AES/EBU; Coaxial: RCA)
- 14 Digital Coaxial Input
- 15 Digital Optical Input
- 16 IEC Mains Inlet Socket
- 17 AC Mains Fuse Holder
- 18 Voltage & Fuse Rating Label

## SET-UP CONNECTING MAINS POWER

Please refer to the front & rear panel views. The moulded IEC connector of the supplied mains lead should be plugged into the socket (13) on the rear of the unit first and then plugged into the mains supply. The Mains power switch (9) is on the front underside of the CD Player. This switch can be left on; if however the CD Player is likely to be unattended for a long period, switch it off and unplug the mains lead from the wall.



## ANALOGUE OUTPUT

### SIGNAL CONNECTIONS

The Analogue Outputs (11) use Gold plated RCA Phono sockets and should be connected to the CD or LINE input of your Preamplifier or Amplifier.

Standard convention – Right Channel – Red; Left Channel – Black or White.

### DIGITAL OUTPUT

The Digital Outputs (12) utilise; Gold plated RCA Phono socket for Coaxial SPDIF output, Toslink for Optical output and XLR for Balanced AES/EBU output. Any of these could be connected to a corresponding input of an amplifier with a digital input, or to an outboard Digital to Analogue converter (DAC).

**IMPORTANT NOTE** For optimum performance it is recommended to use high quality inter-connect cables such as ROKSAN HDC-03A High Definition Analogue Cable and HDC-01D High Definition Coaxial Digital Cable.

### DIGITAL INPUT

The K3 CD Di features two digital inputs:

- 1 x Coaxial/RCA (13)
- 1 x Toslink Optical (14)

Any device with a digital output can be connected to the K3 CD Di and the signal will be fed to the analogue outputs of the player into the relevant amplification. If the digital source device you wish to connect has either optical, coaxial (or both) digital output(s) it can be connected to the CD Di to utilise the player's circuit for superior sound performance. (for operation instructions please refer to the following section.)

### OPERATION

Please refer to the front & rear panel views.

### SWITCHING ON

The Mains power switch (9) is located on the front underside of the CD Player. This switch can be left ON for normal operation. If unattended for a long period (going on a short break, holidays etc.) the Mains power should be switched OFF and the power cord disconnected from the mains power input.

### USING THE CONTROLS

**NOTE** Please refer to the front panel view on page 4.

Press the Open/Close Button (1) once to open the disc loading tray (Display will indicate: open). Carefully load disc into the tray recess with the label side up. Press the button again to close the tray.

**NOTE** Never load a disc until the drawer has opened fully, or try to close the drawer until you are sure that the disc is properly seated in the holder recess. Warped discs should never be played.

The drawer should only be opened using the front panel control. Under no circumstances should you attempt to open manually.



If a disc is not inserted or if the disc is damaged or inserted upside down, the CD player will remain inoperative (display will indicate: no disc).

When a disc has been loaded, your K3 CD Di Player will briefly spin the disc while it studies the data encoded on it. The disc will then stop and the display will indicate the number of tracks on the disc and the total play time.

**IMPORTANT NOTE** The Input Selector rocker switch (10) should be in the middle position to enable CD playback. The centre underside located LED will not be illuminated if the switch is in the CD position. (If the LED is blue or white - demonstrating optical or coaxial digital input is selected - then the switch will have to be changed to the centre CD position.) To commence playing a disc, press Play/Pause Button (3) once. The disc will play from the beginning.

Press the Play/Pause button (3) a second time to pause the disc whilst it is playing. Pressing the button again will resume playback from the point at which Pause mode was entered. In Pause mode, the disc continues spinning and the laser will still be operational but locked. Please keep the CD player in Pause mode no longer than strictly necessary.

#### SELECTING A TRACK

Press the Track Forward Button (7) to go to the next track on the disc. Pressing the Track Back Button (6) will take you to the previous track.

When the disc is playing, press the Track Back Button once to take you to the beginning of the current track and a second time to take you to the start of the previous track.

In Play mode press the Track Forward Button (7) to take you forward to the start of the next track. Once the procedure is complete the disc will commence playing from the selected track.

When a disc is first loaded, you can use these buttons to select your desired track. Having done so, press the Play/Pause Button and your disc will commence playing from the selected track.

You may select a track when Pause is engaged. In this case, the disc will revert to Pause after the procedure is complete and you will have to press Play/Pause Button to continue playing the disc.

## DISPLAY

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Pressing the Time Button (8) on the front panel repeatedly will cycle the display through the following modes:

- Normal: Indicates track No. and how long it has been playing. First Press: Indicates track No. and remaining time on the track.
- Second Press: Indicates number of tracks and remaining time on the disc.



## SHUFFLE

There is a shuffle function available on your CD player:

- When in STOP mode, press the Shuffle Button in the CD section of the R7 remote. (pictured right, bottom left button) The display will indicate Shuffle mode is activated. Now, when you press play, tracks on the CD are played in a random order.



## OPERATING THE DIGITAL INPUT

If you wish to use an external digital source, it should be connected to the K3 CD Di by either the coaxial (14) or optical (15) digital input options on the rear of the K3 CD Di. Now select the correct input via the rocker switch located on the underside right of the unit (10). When either of the digital inputs are selected, the LED indicator located in the centre underside of the unit (11) will illuminate on the relevant colour. Please see below for the correct position for each input:

- CD Middle position, LED not illuminated
- Optical Left position, LED will illuminate BLUE
- Coaxial Right position, LED will illuminate WHITE



## TROUBLESHOOTING

If you suspect your ROKSAN K3 CD Di Player is not operating properly, first check all the connections carefully. Pay particular attention to input and output connections. Phono plugs should be fully inserted- a frequent cause of problems is that Phono plug surrounds do not make proper contact. On the next page are some commonly encountered problems with suggestions for possible cure. The list is not exhaustive: If you have any unresolved problems, please consult ROKSAN or your appointed ROKSAN dealer or distributor.

Symptom	Likely Cause	Suggested Remedy
The disc tray will not close when a disc is inserted	Disc is not placed properly in tray Disc is warped	Replace disc correctly Discard disc
Disc inserts, display does not show the number of tracks and playing time	Disc inserted upside down Disc is dirty/scratched Condensation on the laser lens Dirt on the laser lens	Re-insert disc label side up Clean or discard disc Let player warm up, dry lens Refer to appointed dealer or service centre, DO NOT use CD lens cleaners
Skipping and mistracking	Excessive vibration Disc is dirty or scratched	Ensure player is stable Clean or discard disc
Excessive hum	Connection loose, cable faulty	Re-connect plugs, change cables
One channel inoperative	Interconnect or amplifier faulty	Change lead, try alternative line input or amplifier
Remote handset operation erratic or not working	Batteries weak or incorrectly inserted, signal path obstructed or angle too wide, bright light	Replace batteries correctly, (CR2032) remove obstruction, operate handset in front of CD player, darken room
No sound when digital input is connected	Incorrect input selection	Use right rocker switch to select correct input



## GUARANTEE

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Your ROKSAN Product is guaranteed against any defect in materials and workmanship for a period of five years from the date of purchase.

This guarantee only becomes effective once your product has been registered within fourteen days of purchase. Roksan reserves the right to ask for a copy of your purchase invoice.

This guarantee excludes:

1. Damage caused due to accident, misuse, neglect and incorrect installation, adjustment or repair.
2. Liability for damage or loss during transit from the retailer or purchaser to ROKSAN or its authorised distributor for the purposes of repair or inspection.

Carriage costs to ROKSAN shall be borne by the consignor.

All claims under this warranty must be made through an authorised ROKSAN retailer. If equipment returned for repair to ROKSAN is found on inspection to comply with the product specification, ROKSAN reserves the right to make a charge for examination and return carriage. Unauthorised servicing will void this guarantee. Warranty will only be valid when the product is bought through the authorised retailer. All the warranty issues will be dealt through the selling retailer.

Roksan Audio declares that the apparatus Radius 7 complies with the essential requirements and other relevant provisions of Directive 1999/5/EC

All specifications are liable to change without prior notice. E & O.E.

WARRANTY REGISTRATION CAN BE MADE ONLINE AT

<http://www.roksan.co.uk>



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## SPECIFICATIONS

Operating System	CD Digital Audio System (CD, CD-R, CD-RW)
Frequency Response	20Hz – 20kHz ( $\pm$ 0.2dB)
Harmonic Distortion	< 0.002% @ 0dB, 1kHz < 0.006% @ -30dB, 1kHz < 0.002% @ 0dB, 20Hz < 0.008% @ 0dB, 20kHz
Intermodulation Distortion	< 0.0015% @ 0dB
S/N Ratio (IHF-A Wtd.)	< 96dB L&R
Wow & Flutter	Quartz Precision
Channel Separation	100dB @ 1kHz 80dB @ 20kHz
Output Voltage	2.2V RMS
Digital Inputs	75 $\Omega$ x Coaxial (RCA) 1 x Optical (Toslink) 24 bits / 96 kHz
Digital Outputs	75 $\Omega$ Coaxial (RCA) 110 $\Omega$ Balanced AES/EBU (XLR) Optical (Toslink)
D/A Conversion	PCM1730E Advance Segment, Audio-Stereo DAC
Resolution / Sampling	24 bits / 192 kHz
Oscillation	3rd Overtone Oscillation
Crystal	Super Precision, Custom Made
Jitter	< 150 psec
Idle Pattern	< -107dB L&R
Stop-Band Rejection	< -98 dB