



MANUAL

K3 CD DI PLAYER

the 1990s, the number of people in the world who are malnourished has increased from 600 million to 800 million.

There are a number of reasons for this increase. The population of the world has increased from 5 billion in 1987 to 6 billion in 2000. The population of the world is projected to increase to 8 billion by 2025. The population of the world is projected to increase to 10 billion by 2050.

The number of people who are malnourished has increased because the world is producing less food than it needs. The world is producing less food than it needs because the world is using less land for agriculture. The world is using less land for agriculture because the world is using more land for other purposes.

The world is using more land for other purposes because the world is using more land for urban development. The world is using more land for urban development because the world is using more land for industrial development. The world is using more land for industrial development because the world is using more land for transportation.

The world is using more land for transportation because the world is using more land for roads. The world is using more land for roads because the world is using more land for highways. The world is using more land for highways because the world is using more land for airports.

The world is using more land for airports because the world is using more land for air traffic control. The world is using more land for air traffic control because the world is using more land for air traffic control towers. The world is using more land for air traffic control towers because the world is using more land for air traffic control towers.

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Congratulations

*on the purchase of your Roksan K3 CD Di 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 sys-
tem and ensure many years of trouble-free listening.*



EU DIRECTIVES

This product is designed to comply with the legal provisions of EU Directives 89/3336/EC and 72/23/EC. The standards which have been applied are those which were in force at the time of the introduction of this product.

This product bears the CE mark.

This product is compliant to EN 60065.

This product must be earthed. Please ensure that other equipment connected to it is earthed according to the manufacturer's instructions.

CAUTIONS

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	Voltage Range: 220V - 240V
115V Products	Voltage Range: 110V - 120V
100V Products	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. In the UK this is the standard UK13A plug.

This plug should usually not be removed from the lead. If you do remove it, please dispose of it safely so that it cannot be plugged into a mains socket whilst in a potentially dangerous condition. 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.



GENERAL CAUTIONS

FCC WARNING

This equipment may generate or use Radio Frequency energy. The user may lose the right to operate this equipment if unauthorised modifications are made.

INTERFERENCE

Properly installed, this unit should not cause harmful interference to radio communications. There is, however, no guarantee that such interference will not occur in a specific installation. If interference arises (which you can determine by switching the unit off and on) you could try to remedy matters by the following:

- Re-orient or re-locate the receiving antenna
- Increase the distance between the CD Player and receiver
- Connect the unit to a different mains circuit from that of the receiver
- Consult your ROKSAN appointed dealer or an experienced Radio/TV technician for help and advice

Location

Your K3 CD Di Player should be located in a well ventilated area and kept away from sources of heat, dust and humidity and out of direct sunlight.

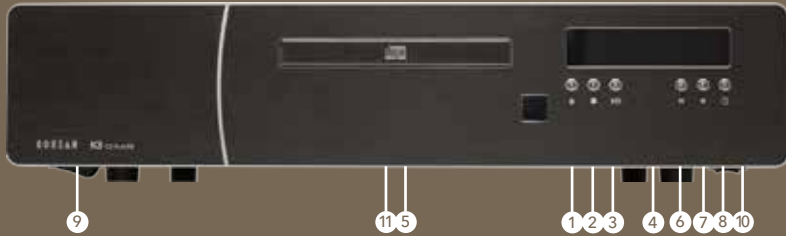
The CD Player may be positioned either as a free standing unit or alongside another audio/video product. Never place the CD Player on carpet or any surface likely to hinder normal ventilation.

Never allow liquids or other objects to fall into the unit. This unit contains no user serviceable parts. DO NOT remove any panels or attempt to service it yourself. Unauthorised servicing will void the warranty.



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)



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

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.



REPEAT

There are two repeat functions available on your CD player:

- To repeat all tracks on the disc press Repeat Button in the CD section of the R7 remote (pictured right: bottom left button). The display will show 'ALL'.
- To repeat one track press the Repeat Button twice. The display will show 'ONE'.



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, 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

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.

WARRANTY REGISTRATION CAN BE DONE ONLINE AT

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



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 Ω x Coaxial (RCA) 1 x Optical (Toslink)
Digital Outputs	75 Ω Coaxial (RCA) 110 Ω 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
Power Supply	High Performance Toroidal Transformer 7 Fully Regulated Power Rails
Power Consumption	< 15W
Dimensions (W x H x D)	432 x 380 x 105mm (Incl. Feet)
Weight	9kg



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LIMITED

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