



# MANUAL

THE K3 CD PLAYER



# K3 CD PLAYER

NOTE:

## Laser Safety

This unit employs a laser. Only qualified persons should remove the cover or attempt to service this unit due to the risk of eye injury.

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This manual is divided into the following sections:

- Safety Instructions (accompanying card)
- Safety Certification
- Introduction
- Cautions
- Installation
- Setup
- Operation
- Troubleshooting
- Guarantee
- Specifications
- Notes

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## Introduction

Congratulations on your purchase of the ROKSAN K3 CD Player. This CD Player is designed and manufactured to the highest specification and rigorously tested to reward you with many years of listening pleasure.

Your K3 CD Player is an integral part of your system. Its correct installation, set-up and operation will have a significant influence on the performance of the entire hi-fi installation.

Please read the contents of this manual thoroughly. It will help you to understand your hi-fi equipment better and further enhance your listening pleasure.

## Unpacking

Included in the packing of your K3 CD Player you will find:

- One mains lead fitted with the correct mains power plug for your country
- One Roksan R7 Remote control

After disconnecting the K3 CD Player from the mains supply, the cabinet and front panel may be cleaned with a lightly dampened soft cloth or chamois leather. Avoid using abrasives or solvents.

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## 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 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.

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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.

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## 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 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.

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## Installation

### K3 CD Player- Front Panel View



- 1 Open / Close Button
- 2 Stop Button
- 3 Play/Pause Button
- 4 Fluorescent Display
- 5 CD DiscTray
- 6 TrackBackButton
- 7 Track Forward Button
- 8 Display' Time Button

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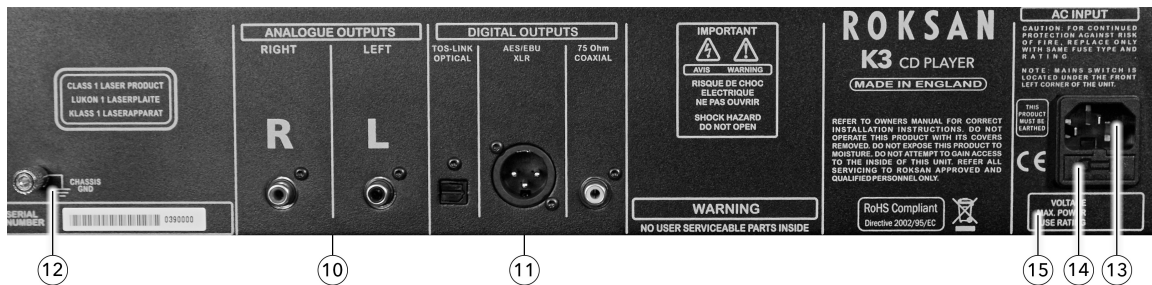
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## K3 CD Player - Rear Panel View



- 10 Analogue Output (Left & Right)
- 11 DigitalOutputs (Optical:Toslink;Balanced:AES/EBU;Coaxial:RCA)
- 12 ChassisGroundingTerminal (optional grounding)
- 13 IECMainsInletSocket
- 14 AC Mains Fuse Holder
- 15 Voltage & Fuse Rating Label

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## 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.

### Signal Connections

#### ANALOGUE OUTPUT:

The Analogue Outputs (10) 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 (11) 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.

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## 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.

When switched ON, the K2 logo in the 'mirror' display will glow red and the CD Player FL Display will illuminate.

## 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 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.

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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.

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## 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:

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



## Troubleshooting

If you suspect your ROKSAN K3 CD 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.

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SYMPTOM	LIKELY CAUSE	SUGGESTED REMEDY
The disc tray will not close when a disc is inserted	Disc not placed properly in tray Disc is warped	Re-place disc properly Discard disc
Disc inserts, display does not show the number of tracks and playing time	Disc inserted upside down Disc is dirty or scratched Condensation on the laser lens Dirt on the laser lens	Re-insert disc label side up Clean disc, discard scratched disc Let CD player warm up and dry out lens Refer to appointed dealer or service centre <b>DO NOT</b> use CD lens cleaners
Skipping & mistracking	Excessive vibration Disc is dirty or scratched	Ensure player is stable and vibration-free Clean disc, discard scratched disc
Programme play inoperative	Programming accidentally erased	Re-programme memory
Excessive hum	Connection loose, cable faulty	Re-connect plugs, change interconnect
One channel inoperative	Interconnect or amplifier faulty	Change lead, try another line input on amp
Remote handset operation erratic or not working	Batteries weak or wrongly inserted Handset signal path is obstructed Handset transmission angle too wide Room lighting/sunlight excessive	Replace batteries, observe polarity Remove obstruction, move handset Operate handset in front of CD Player Darken room

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## Guarantee

There are no user-serviceable parts inside your K3 CD Player. If a fault should develop; refer all servicing to your appointed ROKSAN retailer, distributor or ROKSAN approved service agent.

Your ROKSAN K3 CD Player is guaranteed against any defect in materials and workmanship for a period of two years from the date of purchase.

This guarantee only becomes effective if the warranty card is validated by the ROKSAN retailer from whom the equipment was purchased and returned to ROKSAN within 28 days of purchase.

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 guarantee 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.

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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:	<0.0025% @ 0dB, 1kHz <0.008% @ -30dB, 1kHz <0.015% @ 0dB, 20kHz
Intermodulation Distortion:	<0.0015% @ 0dB
S/N Ratio (IHF-A Wtd.):	105dB
Wow & Flutter:	Quartz Precision
Channel Separation:	100 dB @ 1kHz 80 dB @ 20kHz
Output Voltage:	1.9Vrms
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

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## Specifications (cont.)

Jitter:	<250 psec
Idle Pattern:	<-110 dB
Stop Band Rejection:	<-75 dB
Power Supply:	High Performance Low Noise
Toroidal Transformer:	7 Fully Regulated Power Rails
Power Source:	220V-240V, 50Hz
Power Consumption:	<15 W
Dimensions:	432 x 380 x 90mm (WxHxD) 432 x 380 x 105mm (Incl. Feet)
Weight:	9kg

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## Notes

Please keep a record for future reference

Serial Number	
Date of Purchase	
Name of Roksan Retailer	
Location	

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Additional Notes:



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