

ROKSAN

Caspian

M SERIES - 1

Dual Mono Preamplifier
USER MANUAL

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Congratulations on your purchase of the ROKSAN Caspian Mseries-1 Preamplifier. This preamplifier is designed and manufactured to the highest specification and rigorously tested to offer you many years of trouble-free pleasure.

Your Caspian preamplifier is at the heart of your hi-fi system. Correct installation, set-up and operation of this preamplifier and its partnering equipment will have a profound influence on the sonic performance of the entire system.

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

This manual is divided into the following sections:

- Safety Instructions (*Accompanying card*)
- Introduction
- Cautions
- Installation
- Setup
- Operation
- Troubleshooting
- Guarantee
- Specifications
- Notes

UNPACKING

Included in the packing of your Caspian preamplifier you will find:

- One mains lead fitted with the correct mains power plug for your country
- One Caspian system remote handset and batteries
- One information pack and warranty card

After removing these items please retain **all** packing materials. Correct packing is necessary for transportation of your Caspian preamplifier.

MAINTENANCE

After disconnecting the preamplifier 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.**

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.

AC MAINS SUPPLY

Your Caspian preamplifier 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: 100V – 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 ordinarily 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 from your dealer a complete replacement lead.

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

Please observe correct mains polarity at all times.

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

If the equipment is likely to be unused for some time, 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 this problem by the following:

- Re-orient or re-locate the receiving antenna
- Increase the distance between the preamplifier 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

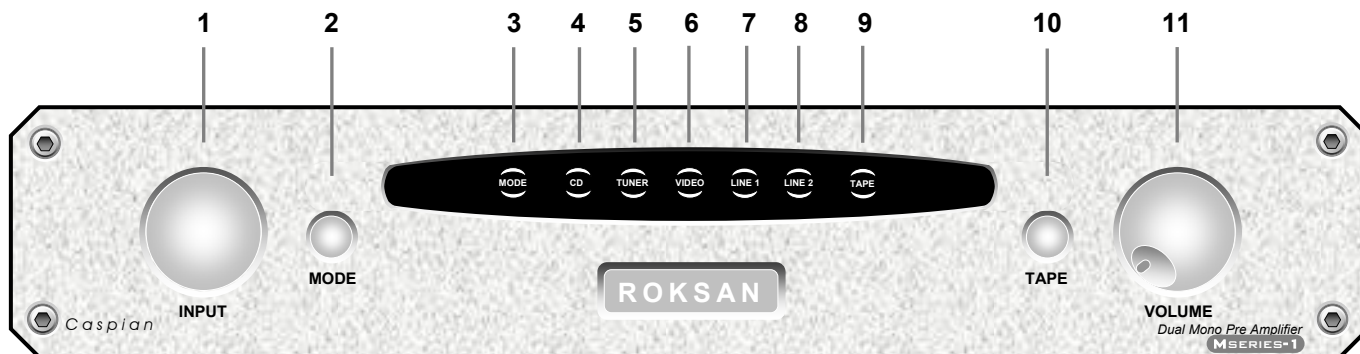
LOCATION

Your Caspian preamplifier should be located in a well ventilated area and kept away from sources of heat, dust, humidity and direct sunlight.

The preamplifier may be positioned either as a free standing unit or alongside another audio/video product. Never place the preamplifier on carpet or any surface likely to hinder normal ventilation. Never allow liquids or other objects to fall into the unit.

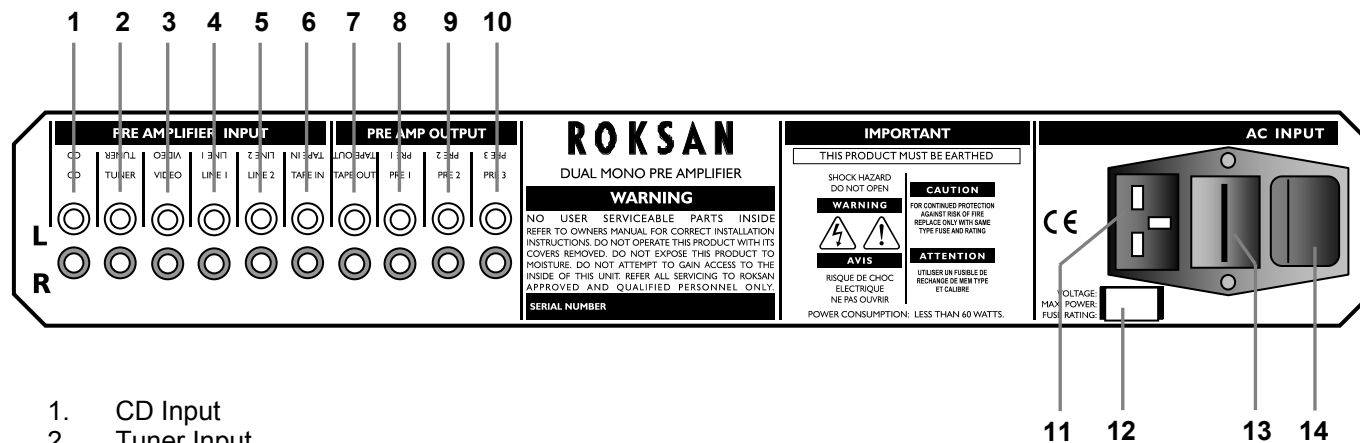
This unit contains no user serviceable parts. **Do Not remove any panels or attempt to service it yourself. Unauthorised servicing will void the warranty.**

ROKSAN Caspian Preamplifier- Front Panel View



1. Input Selector
2. Mode Button
3. Mode Indicator
4. CD Input Indicator
5. Tuner Input Indicator
6. Video Input Indicator
7. Line 1 Input Indicator
8. Line 2 Input Indicator
9. Tape Monitor Indicator
10. Tape Monitor Button
11. Volume Control

ROKSAN Caspian Preamplifier - Rear Panel View



1. CD Input
2. Tuner Input
3. Video Input
4. Line 1 Input
5. Line 2 Input
6. Tape Input (Playback)
7. Tape Output (Record)
8. Preamp Output 1
9. Preamp Output 2 (Bi-Amping)
10. Preamp Output 3 (Tri-Amping)
11. AC Mains Input
12. Voltage & Fuse Label
13. AC Mains Fuseholder
14. AC Mains Power Switch

CONNECTING MAINS POWER

Please refer to rear panel view on Page 4. The moulded IEC connector of the supplied mains lead should be plugged into the socket (11) on the rear of the unit first and then plugged into the mains supply. The Mains power switch (14) is on the rear panel of the preamplifier. This switch is normally left on. If the unit is likely to be unattended for a long period, switch it off and unplug the mains lead from the wall.

SIGNAL CONNECTIONS

Signal Input connections:

There are five Inputs (1 – 5) on your Caspian preamplifier in addition to the Tape Input (6). All these inputs are line level inputs and will accept virtually all currently available source components. All the inputs use RCA Phono Connectors and should be connected according to the standard convention – **Right Channel – Red; Left Channel – White or Black.**

Also in accordance with standard practice, the Upper row of Phono Sockets carries the Left Channel and the Lower carries the Right Channel.

The Input Sockets are labelled with their legends upside down as well as the normal way round to assist you should you be connecting an input from a position in front of and above the amplifier.

Phono Input Connections:

Your Caspian preamplifier has line level inputs and you cannot connect a phono cartridge directly to it. ROKSAN Caspian Phono Amplifier range accept conventional moving coil and moving magnet cartridges and has custom equalisation for the outstanding ROKSAN Shiraz MC cartridge. For a demonstration of ROKSAN state of the art record players and phono amplifiers contact your authorised retailer.

IMPORTANT NOTE: For optimum performance it is recommended to use high quality inter-connect cables such as **ROKSAN HDC-02A** high definition analogue Cable.

OPERATION

Caspian Preamplifier

Please refer to the front and rear panel views on page 4.

SWITCHING ON

The Mains power switch (14) is located on the rear panel of the preamplifier. This switch should be left ON for normal operation. If unattended for a long period, the Mains power should be switched OFF and the lead disconnected from the power supply.

When switched ON from the rear panel your Caspian preamplifier runs a self-test and the indicator lights on the front panel pulse twice. The preamplifier then reverts to STANDBY and the MODE indicator light (3) will glow GREEN. The amplifier is now ready for use.

You can activate your Caspian preamplifier in two ways:

- 1 Press the MODE button (2) once.
- 2 Rotate the INPUT selector (1) in either direction by one step.

NOTE: The remote handset will activate the amplifier in the same manner.

The preamplifier will 'wake up' and the MODE indicator light (3) will glow RED. It will automatically select the CD input and the CD input indicator light (4) will glow.

USING THE CONTROLS

MODE CONTROL

The MODE button has the following functions:

- It activates the preamplifier from Standby.
- Pressing the MODE button once with the preamplifier activated will mute the volume level by 20dB. The MODE indicator light will glow ORANGE. The amplifier remains fully functional in this mode. Another single press unmutes the preamplifier and the MODE indicator light will revert to RED.
- With the preamplifier activated, a sustained press on the MODE button, reverts it into Standby with all the input indicator lights extinguished and the MODE indicator light GREEN.

NOTE: When you bring the Caspian preamplifier out of STANDBY having switched it ON at the Mains, the input selector will default to CD (as described previously).

When, however, the preamplifier has been put into Standby from the MODE button, bringing it out of Standby will restore previously selected input, tape and mute values. Bringing the preamplifier out of Standby by moving the INPUT Selector one step in either direction also leaves these amplifier settings unaffected.

INPUT SELECTOR SWITCH

The INPUT Selector is an endless rotary switch that moves round one click at a time. It connects each signal source to the amplifier by rotating through the Inputs with the exception of TAPE. Rotating the Selector continuously clockwise will select inputs in this sequence:

CD – TUNER – VIDEO – LINE1 – LINE2 – CD - ...

Rotating the Selector anti-clockwise reverses the sequence.

Whenever an input is selected the appropriate indicator light will glow.

VOLUME CONTROL

The VOLUME Control is a precision device. It follows a logarithmic law so that its response approximates that of the human ear and provides more control (range) at lower levels. There is an illuminated indicator on the volume control to clearly show the appropriate volume setting.

TAPE MONITOR

When you select an input source, the INPUT Selector connects the selected source to the preamplifier and also connects this source to the Tape Output Sockets of the Caspian thus enabling you to record.

The Tape Monitor is an override. Pressing the TAPE Button (**10**) connects the output of your tape deck to the Caspian, overriding the selected input. However, the selected input is left connected to the recording input of your tape deck. If you have a suitable tape deck, this facility enables you to record a programme whilst monitoring its playback.

When the TAPE Button is depressed, the TAPE Indicator light glows and the selected source Indicator remains illuminated.

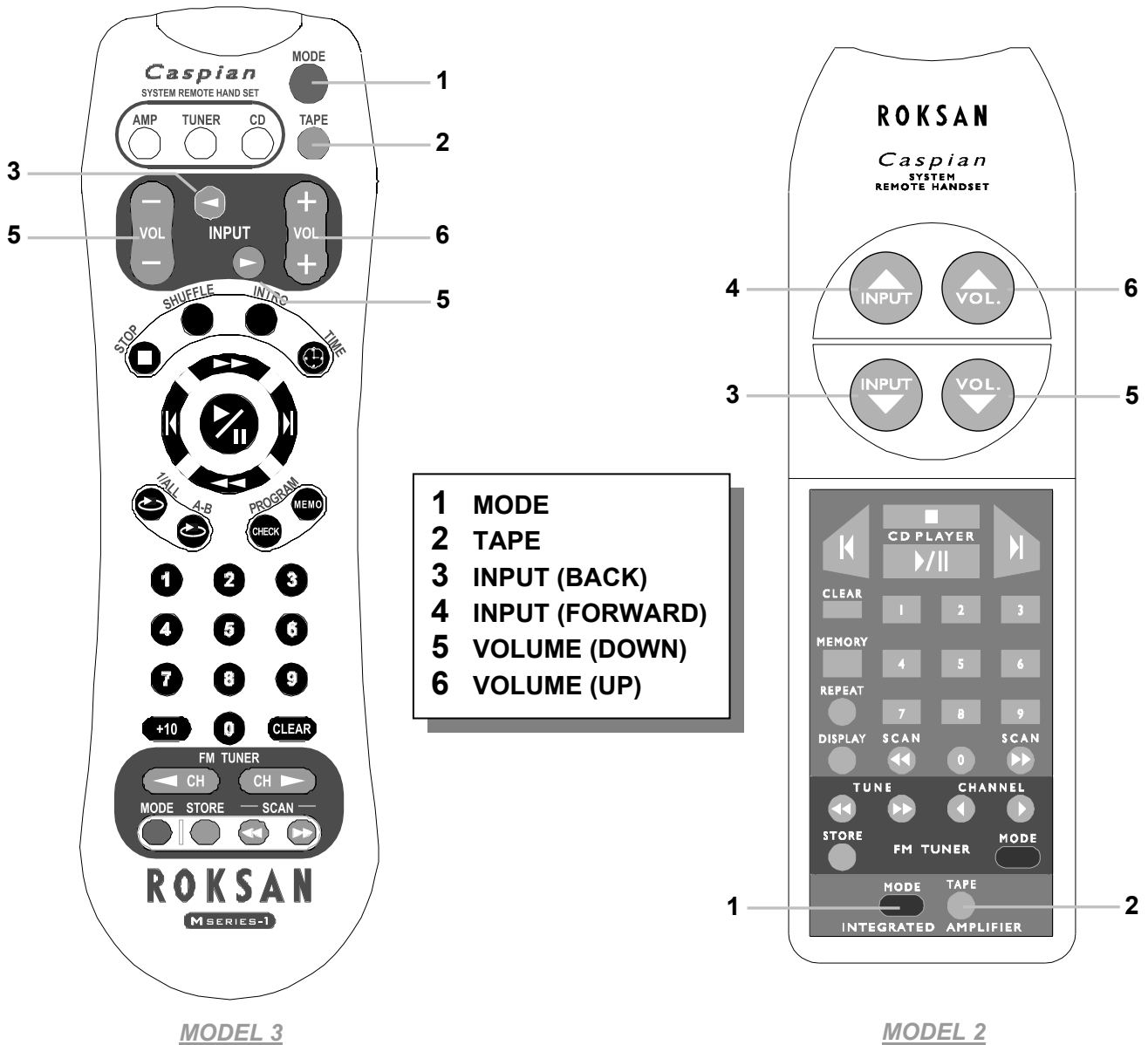
The input selector remains functional when the Tape Monitor is ON, allowing a range of sources to be recorded. Pressing the TAPE Button toggles between Tape Monitor ON and OFF.

REMOTE HANDSET

The Caspian System Remote Handset uses two AAA size 1.5V batteries. These are housed in the battery compartment on the underside of the handset.

Carefully remove the battery compartment cover and insert the supplied batteries in place **observing polarity**. Replace the cover. The handset is now ready for use.

The front panel controls of the Caspian preamplifier are replicated on the remote handset.



MODEL 3

MODEL 2

The MODE Button (1) puts the amplifier in and out of Standby and can also be used to mute the output level by 20dB (sustained press on MODE Button).

The TAPE Button (2) connects the Tape Deck (In & Out).

The INPUT Buttons (3 & 4) cycle through the input sources (Back & Forward).

The VOLUME Buttons (5 & 6) adjust the output volume level (Down & Up).

If you suspect that your ROKSAN Caspian preamplifier is not operating properly, you should check all the connections carefully. Phono plugs should be fully inserted- a frequent cause of problems is that Phono plug surrounds do not make proper contact. Below are some commonly encountered problems with suggestions for possible cure. The list is not exhaustive: If you have any unresolved problems, please consult your appointed ROKSAN dealer or distributor.

SYMPTOM	LIKELY CAUSE	SUGGESTED REMEDY
No power	AC Mains lead not inserted properly Unit not switched on at rear panel IEC mains inlet fuses blown	Ensure AC Mains lead is fully inserted Switch unit on at rear panel Replace with identical fuse type and rating and try again (only once)
No output on one or both channels	Amplifier in stand-by mode (MODE light GREEN) Missing or bad input signal connection Wrong input selected Tape Monitor selected	Press MODE button to set amplifier in operational mode (MODE light RED) Check all input connections Select correct input, ascertain source is working Deselect Tape Monitor
Very low sound output	Amplifier set in MUTE position	Deselect MUTE (check volume setting first)
Hum from speakers	Incorrect Grounding Poor choice of interconnect cables	Check Mains polarity and grounding on all connected equipment Change the interconnect cables

GUARANTEE

Caspian Preamplifier

There are no user-serviceable parts inside your Caspian preamplifier. If a fault should develop, refer any servicing to your appointed ROKSAN dealer, distributor or approved service agent.

Your ROKSAN Caspian preamplifier 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, missuse, 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.

SPECIFICATIONS

Caspian Preamp

Line Inputs	5 plus Tape
Input Impedance	47 kΩ
Line Outputs	Tape, Preamp (x3)
Power Supply	350VA Ultra Low Noise Toroidal Transformer 10 Regulated Supply Rails
Frequency response	-3dB, <0.5Hz – 110kHz
Gain	9.3dB Preamp
Harmonic Distortion	<0.0015% 1kHz, <0.009% 20kHz
Signal to Noise Ratio	Line 108dBa (ref. 500mV)
Power Source	100V – 120V 50Hz / 60Hz 220V – 240V 50Hz / 60Hz (via Mains inlet filter)
Power Consumption	< 230 W
Dimension	432 x 330 x 70 (W x D x H) mm 432 x 330 x 80 (including feet)
Weight	12 Kg

NOTES

Caspian Preamp

Caspian Dual Mono Preamp M series-1

Serial Number:

Purchase Date

Year Month Day

ROKSAN Retailer

Name:

Location:

Please keep a record for future reference



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