

# LITE

## CD-22 CD PLAYER

### USER MANUAL



# LASER SAFETY

CAUTION INVISIBLE LASER RADIATION WHEN POWER IS ON. AVOID EXPOSURE TO BEAM.

## Laser Diode Properties

Materials: Ga-Al-As

Wavelength: 755-815 nm (25°C)

Laser Output: Continuous Wave max. 0.7mW

## INTRODUCTION

Congratulations on your purchase of the LITE CD-22 CD Player. This CD Player is designed and manufactured to the highest specification and rigorously tested to offer you many years of trouble-free pleasure.

Your CD-22 CD Player is at the heart of your hi-fi system. Its correct installation, set-up and operation will have a profound influence on the sonic 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 enhance your listening pleasure.

## UNPACKING

Included in the packing of your CD-22 CD Player you will find:

- One LITE CD-22 CD player
- One CD clamp
- One mains lead fitted with the correct mains power plug for your country
- One remote control handset
- One user manual and warranty card

After removing these items please retain **all** packing materials. Correct packing is necessary for transportation of your CD22 CD Player.

## MAINTENANCE

After disconnecting the amplifier 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.**

## CAUTIONS

Your CD-22 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: 100V – 120V

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.

**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. 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 unauthorized 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 CD Player and receiver
- Connect the unit to a different mains circuit from that of the receiver
- Consult your LITE appointed dealer for help and advice

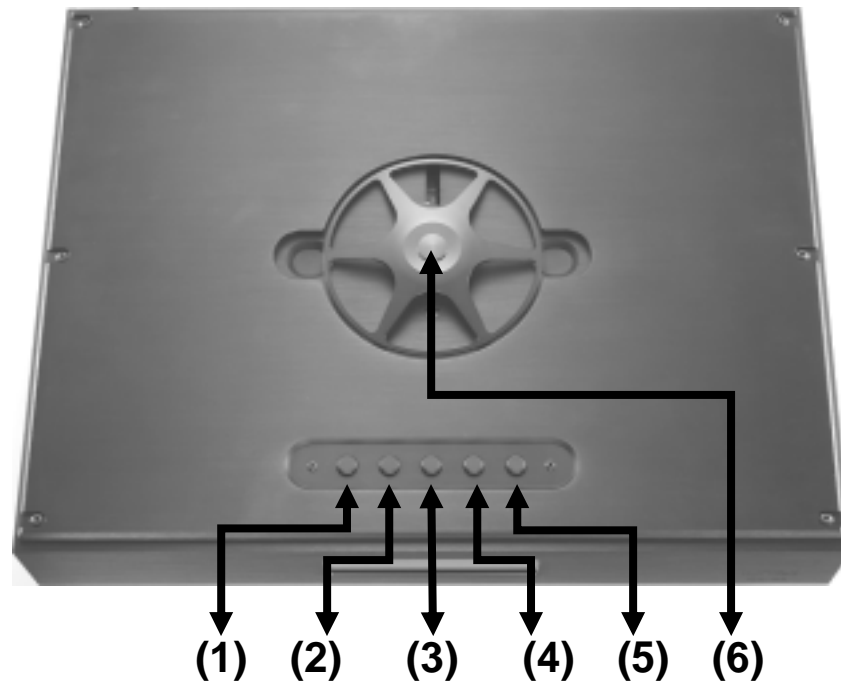
### **LOCATION**

Your CD22 CD Player should be located in a well ventilated area and kept away from sources of heat, dust, humidity and 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.**

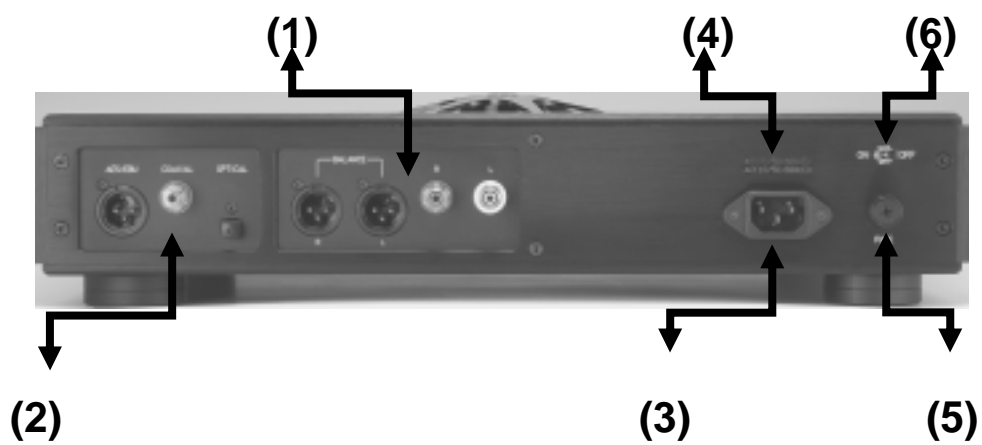
**Unauthorized servicing will void the warranty.**

## CD-22 CD Player- Top & Front Panel View



1. Stop Button
2. Play Button
3. Pause Button
4. Track Back Button
5. Track Forward Button
6. CD drawer & CD clamp

## CD-22 CD Player - Rear Panel View



1. Analogue Output (**Balanced:** XLR; **Unbalanced:** RCA)
2. Digital Outputs (**Optical:** Toslink; **Balanced:** AES/EBU; **Coaxial:** RCA)
3. IEC Mains Inlet Socket
4. Voltage Label
5. AC Mains Fuse Holder
6. AC Mains Power Switch

## SETUP

### CONNECTING MAINS POWER

*Please refer to the rear panel view.* The IEC connector of the supplied mains lead should be plugged into the socket **(3)** on the rear of the unit first and then plugged into the mains supply. The Mains power switch **(6)** is on the rear panel of the CD Player. 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

#### ANALOGUE OUTPUT:

The Analogue Output uses Gold plated RCA Phono sockets or XLR connectors and should be connected to the CD or LINE input of your Preamplifier or Amplifier.

#### DIGITAL OUTPUT:

The Digital Output **(2)** uses a Gold plated RCA Phono socket for Coaxial SPDIF and Toslink for Optical 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 for HI END audio.

## OPERATION

*Please refer to the rear panel view.*

### SWITCHING ON

The Mains power switch **(6)** is located on the rear panel of the CD Player. 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 CD-22 CD Player Display will illuminate in few seconds.

## USING THE CONTROLS

*Please refer to the top & front panel view.*

### LOADING A DISC

Place the disc on the spindle. **Then place the CD-clamp on the spindle.** The clamp now securely fastens the disc. When a disc has been loaded, your CD-22 CD Player will briefly spin the disc while it studies the data encoded on it in few seconds. The disc will then stop and the display will indicate the number of tracks on the disc and the total play time.

To commence playing a disc, press Play Button **(2)** once. The disc will play from the beginning. Press the Pause button **(3)** to pause the disc whilst it is playing. Pressing the Play Button **(2)** 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.

**Warped discs should *never* be played.**

**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).**

### SELECTING A TRACK

Press the Track Forward Button **(5)** to go to the next track on the disc. Pressing the Track Back Button **(4)** 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 **(5)** 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 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 Button to continue playing the disc.

## REMOTE CONTROL

Your CD player is supplied with a Remote Handset.

The Remote Control Handset is powered by two 1.5V **AAA** batteries.

***When inserting the batteries observe the correct polarity.***

## TROUBLESHOOTING

If you suspect your CD-22 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. 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 LITE dealer or distributor.

### SYMPTOM LIKELY CAUSE SUGGESTED REMEDY

SYMPTOM	LIKELY CAUSE	SUGGESTED REMEDY
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
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

## GUARANTEE

There are no user-serviceable parts inside your CD-22 CD Player. If a fault should develop, refer any servicing to your appointed LITE dealer, distributor or LITE approved service agent. Your LITE CD-22 CD Player is guaranteed against any defect in materials and workmanship for a period of **one year** from the date 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 LITE or its authorized distributor for the purposes of repair or inspection.

Carriage costs to LITE shall be borne by the consignor.

All claims under this guarantee must be made through an authorised LITE retailer.

If equipment returned for repair to LITE is found on inspection to comply with the product specification LITE reserves the right to make a charge for examination and return carriage.

***Unauthorized servicing will void this guarantee.***

## **SPECIFICATIONS**

**Operating System** CD digital audio system (CD, CD-R)

**Frequency Response** 20Hz – 20kHz  $\pm$  0.2dB

**Harmonic Distortion** < 0.001% @ 0dB, 1kHz (*Typically 0.0005%*), < 0.006% @ -30dB, 1kHz, < 0.01% @ 0dB, 20kHz

**Intermodulation Distortion** < 0.001% @ 0dB (*Typically 0.0005%*)

**S/N Ratio (IHF-A Wtd.)** 105 dB

**Wow & Flutter** Quartz precision

**Channel Separation** >100 dB @ 1kHz, >80 dB @ 20kHz

**Output Voltage** 2.0Vrms

**Digital Outputs** 75 Ohm Coaxial, RCA/ 110 Ohm Balanced AES/EBU, XLR/ Optical, Toslink

**D/A Conversion** AD1853 Advance Segment, Balanced-Stereo DAC

**Resolution/Sampling** 24 bits / 192 kHz

**Oscillation** 3<sup>rd</sup> Overtone Oscillation

**Crystal** Super precision, custom made

**Jitter** <150 psec

**Idle Pattern** <-115 dB

**Stop band Rejection** <-78 dB

**Power Supply** x2 high performance low noise R-core transformers

**Power Source** 100V – 120V 50Hz / 60Hz / 220V – 240V 50Hz / 60Hz

**Power Consumption** < 15 W

**Dimension** 432 x 330 x 70 (W x D x H) mm, 432 x 330 x 80 (including feet)

**Weight** 9Kg

## **NOTES**

**Purchase Date** Year ..... Month ..... Day .....

**LITE Retailer** Name: .....

Location: .....