PLINIUS

THE HEART OF MUSIC

CD-101
COMPACT DISC PLAYER

INSTRUCTION MANUAL

CONGRATULATIONS on your decision to become the proud owner of this Plinius CD101 Compact Disc Player.

This manual has been prepared to help you understand the operation of your Compact Disc Player, and to provide information about its design and how it may be used.

We have designed and manufactured this Compact Disc player to reproduce your favourite music faithfully and accurately. With a little care and a full understanding of the operating recommendations in this manual, your Plinius CD101 Compact Disc Player will provide years of high-quality, trouble-free performance.

Serial Number: .....

Final Test Certified By: .....

IMPORTANT: PLEASE TAKE THE TIME TO READ THIS MANUAL THOROUGHLY BEFORE USING YOUR COMPACT DISC PLAYER.

DESIGN PHILOSOPHY

From a distance you can see that the design of the Plinius products is more than an applied styling exercise to the front panel. We have started from the ground up to produce a casing for our electronics that is unrivalled in its physical strength and visual simplicity. Wherever possible we have reduced the number of parts needed and then invested massively in refining and producing the remaining parts to the highest quality achievable with state of the art computer controlled machines allied with expert craftsman. Examples of this approach include the hydraulically formed corners on the amplifiers giving much greater strength and the one piece housing for the remote control unit that eliminates large joints and potential creaks.

The very process of holding the remote tells you that you are controlling both a powerful and precise product. It is designed specifically for the act of listening to music, not channel surfing on a television or changing the room temperature. The distinction is important because we believe that listening to music is a highly selective and emotional experience that requires a much greater level of concentration and precision to fully appreciate and enjoy.

As with music that you are not familiar with, truly innovative new designs can take time to understand and enjoy. How often have you heard music that you were first unsure of, that over repeated listening, has become a firm favourite. Our designs are fundamentally different to many other companies, and we hope that you will take the time to explore their unique character and qualities because we have not made them different simply to be different. We genuinely believe that their visual and tactile qualities do improve the experience of listening to music and that is our design goal!

Ross Stevens
Design Director.

CONTENTS

PRECAUTIONS

Please take special note of the following precautions before operating your new Compact Disc Player:

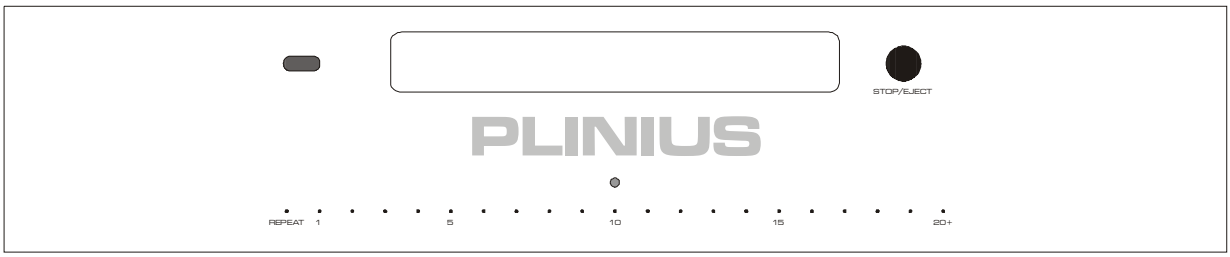
- This Compact Disc player operates at hazardous voltage levels. We recommend that any work requiring removal of the lid be referred to a suitably qualified and experienced service technician.

- DO NOT earth any output terminal or connect any of these terminals together without following the instructions in this manual or seeking qualified assistance.

- DO NOT place this Compact Disc player in any position where liquids or any foreign material may accidentally enter it.

- DO NOT connect any voltage source, short circuit, earth/ground or appliance (other than suitable audio preamplifiers) to the Compact Disc player output terminals.

CD PLAYER FEATURES – FRONT PANEL



Front Panel Layout Showing CD Drawer, Button, Power And Display LEDs

POWER LED

A blue LED on the centre front panel indicates that the power is on. When first switched on, the display LED will vary in brightness until the initialisation sequence is completed, after which the LED remains lit.

COMPACT DISC DRAWER

The CD is inserted in this drawer, which is controlled by the Stop/Eject button.

STOP/EJECT BUTTON

Used to open and close the CD drawer and if a Compact Disc is playing, to stop play.

DISPLAY LEDS

These small white LEDs communicate the Compact Disc track details. When the Compact Disc drawer is closed the LED labelled 1 will flash showing that the Compact Disc is being read. If no Compact Disc is found in the CD drawer then all display LEDs will go out. The state of the other LEDs depends on the total number of tracks on the Compact Disc as described below.

Compact Disc with 20 tracks or less: The LED labelled 1 will be lit, as will the LED corresponding to the last track on the Compact Disc. This gives a visual representation of the total tracks on the Compact Disc. Every fifth LED in between will also be lit, to make reading the display easier from a distance. For example, on a Compact Disc of 18 tracks LEDs 1, 5, 10, 15 and 18 will be lit. The LED associated with the track that is being played will vary in brightness.

Compact Disc with 39 tracks or less: Tracks 1 through 20 function in the same way as explained above. When a track above number 20 is being played, the 20+ LED will vary in brightness along with the appropriate LED between 1 and 20. For example, playing track 23 on a Compact Disc of 32 tracks would mean LEDs 1, 5, 10, and 12 will be lit and LEDs 20+ and 3 will vary in unison.

Compact Disc with more than 40 tracks: Tracks 1 through 40 function in the same way as explained above. When a track above number 40 is being played, all display LEDs will go out, except for 20+, which will flash on and off.

In all cases when the track being played is paused, the corresponding track LED will flash.

The Repeat LED will light if the repeat function is chosen.

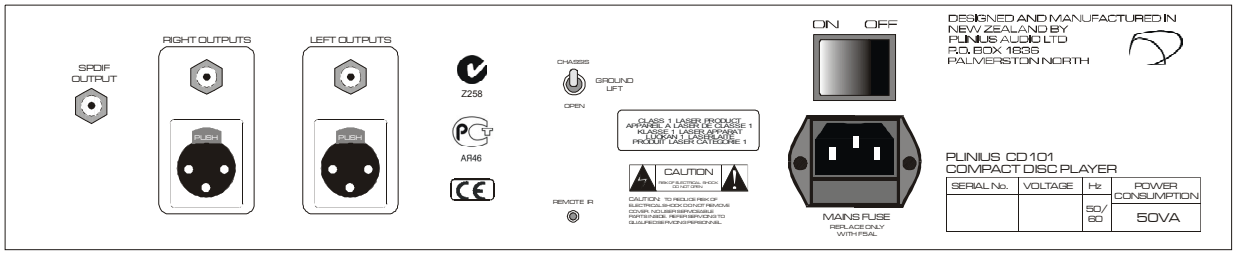
DISPLAY STANDBY

The display has a time out feature, which will cause the display to shut down after 10 minutes once the CD has stopped. The display will reactivate when any function is next used.

CD PLAYER FEATURES – REAR PANEL

This panel incorporates all the terminals for connecting the output signal to your preamplifier, AV receiver or integrated amplifier, and mains supply.

Please remember that your Plinius CD101 Compact Disc Player is a high quality electronic instrument capable of an exceptional level of performance. Be sure that you understand your system's requirements fully before you make any connection to this Compact Disc player.



Rear Panel Showing Output Terminals, Ground Lift Switch, Mains Switch And Mains Socket.

OUTPUT TERMINALS

Connections for preamplifiers or integrated amplifiers are provided to the left of the rear panel. Connections are available for analog single ended (RCA type), and balanced (XLR type) cables, as well as SPDIF digital output. Note that the only time the analog outputs are 'live' is when the Compact Disc player is playing a track. The SPDIF output is live any time the Compact Disc player is switched on.

GROUND LIFT SWITCH

This switch allows the signal ground to be disconnected from the chassis. In some installations a hum loop may exist due to duplicate ground paths from different equipment. Use this switch to remove the connection from 0V to ground thus allowing some flexibility in your particular set-up.

MAINS SWITCH

The heavy-duty rocker switch turns the Mains/Line Power to the amplifier ON or OFF. The amplifier draws a moderately high current when switched on, so it is not good practice to rapidly turn the Mains switch on and off repeatedly.

MAINS POWER CORD IEC SOCKET

This connector is where the mains supply cable from your wall connects to the Compact Disc player. A fuse holder is mounted within this connection, and it holds a mains fuse to provide surge and overload protection for your Compact Disc player.

REMOTE IR SOCKET

This socket is for connecting to an external remote control sender. Some companies such as Xantech manufacture these devices to enable multi-room remote control. Please see your PLINIUS dealer for further advice.

CD Player Features – Remote Control

REPEAT

Press this button and the repeat light on the front panel will light. The CD101 will now play all tracks on the Compact Disc as normal, but then repeat all tracks from track 1 in an endless loop. It does not repeat one track only, it repeats the entire contents of the Compact Disc.

DISPLAY

The display button on the remote enables you to quickly adjust the display brightness. Use this button to toggle between high, low, and off settings. Note that whenever the CD drawer is ejected to change a Compact Disc, the display will automatically revert to full brightness.

CUE BUTTONS

Use these two buttons to cue through the track you are listening to. Press and hold the right side button to cue forward through the track, or press and hold the left side button to cue backwards through the track. Once the start or end of the track is reached, Cue will continue into the next track.

TRACK BUTTONS

When playing a Compact Disc: Use these two buttons to go forward (right side button) or back (left side button) through the tracks on the Compact Disc. Press the button once to skip to the next track on the Compact Disc, or press repeatedly to skip through multiple tracks. When you press the back button once the CD101 will revert to the start of the current track. Pressing the back button again will skip back to the previous track.

When the CD is not in play mode use these two buttons to go forward (right side button) or back (left side button) through the tracks on the Compact Disc. Press the button once to skip to the next track on the Compact Disc, or press repeatedly to skip through multiple tracks. The track currently selected will be brightly lit.

STOP/EJECT

If the Compact Disc player is playing a Compact Disc, pressing this button will stop play and return to track 1. Pressing the button again will open the CD drawer so the Compact Disc can be changed.

PLAY/PAUSE

Press the Play button to begin playing the Compact Disc at the track selected. The display LED corresponding to the track that is being played will vary in brightness. Press the Play button again, and the track will pause, designated by the LED flashing. If the CD drawer is open, pressing play will shut the drawer and start playing the Compact Disc from track 1.

VOLUME CONTROL

Use these two buttons to control the volume level of a Plinius integrated amplifier or preamplifier. The right side button increases volume, while the left side button decreases the volume. Briefly press either button to make fine adjustments to the volume level. Hold down either button to continually adjust the volume level. Note that these buttons do not control the CD101 Compact Disc Player, and are included only to remove the need for two remotes, if more than one Plinius product is in your system.

MUTE

Pressing this button toggles a Plinius integrated amplifier or preamplifier in and out of mute. Note that this button does not control the CD101 Compact Disc Player, and is included only to remove the need for two remotes, if more than one Plinius product is in your system.

INSTALLATION AND OPERATION

PLACEMENT AND VENTILATION

Ventilation through and around your Plinius CD101 Compact Disc Player should be kept unimpeded, so ensure that the heat vents (slots in the lid) are not covered or restricted in any way.

The Plinius CD101 design incorporates a very high level of mechanical de-coupling of the outputs. However, it can still be influenced by acoustical feedback in the operating environment. The use of acoustic cones or isolators or a suitable equipment stand or table, may further enhance the performance of this Compact Disc player. Consult your PLINIUS dealer for further advice if required.

MAINS VOLTAGE CONNECTION

Firstly, check that the mains supply voltage printed on the rear of this Compact Disc player is similar to the mains supply voltage in your area. If in doubt, please consult your PLINIUS dealer.

Mains supply power connection is via the supplied plug-in lead. A standard IEC socket connects the mains power at the Compact Disc player end, while a local mains plug is required at the wall end.

The wiring code used inside all Plinius product is:

Green to Earth/Ground
Blue to Neutral
Brown to Phase/Live

Should a 'local' plug need fitting to the wall end of the lead, ensure that a suitably qualified service technician wires the plug correctly.

IMPORTANT: DO NOT POWER UP YOUR COMPACT DISC PLAYER UNTIL YOU HAVE CONNECTED YOUR INPUT/OUTPUTS CORRECTLY FOR YOUR SYSTEM, (AS EXPLAINED IN THE NEXT SECTION).

INPUT / OUTPUT CONNECTION

It is important that you connect your power or preamplifier/s (outputs) to your Plinius CD101 correctly to ensure the Compact Disc player is not damaged, and sounds its best within your system. Now that you have read and familiarised yourself with the various connections on the Compact Disc player, as covered in previous sections, we will describe in detail how to connect the Compact Disc player to your system.

Connect a pair of RCA inputs from your preamplifier or integrated amplifier to the RCA outputs on the back of the Plinius CD101. Make sure you connect the red coded cable to the red RIGHT RCA input, and the black (or white) cable to the black LEFT RCA input. Also make sure the RCA connectors are a snug fit and are inserted all the way in. If you are using balanced XLR cables take note to ensure the channels are connected with correct polarity, and do not connect RCA and XLR cables at the same time – only one type of interconnect cable should be plugged in at any one time.

TERMINATION QUALITY

Quality of the connections must be examined to ensure that high-performance, trouble-free operation is enjoyed. Check that all interconnection cables are snug fitting and inserted all the way in. In the case of balanced XLR sockets, ensure that they click in positively.

CONNECTING THE MAINS SUPPLY

Now that your Plinius CD101 Compact Disc Player is connected to your system correctly, the mains cable can be plugged into the IEC socket on the rear panel. Re-check all interconnect cables are fitted correctly. Turn on the rear panel power switch. The power LED will vary in brightness for approximately ten seconds as the internal circuitry stabilises. You can now enjoy your new Plinius CD101 Compact Disc Player.

WARM-UP PERIOD

You will find that the Plinius CD101 will become noticeably 'purer' in sound after being on for a period of time. We usually recommend waiting at least 24 hours before expecting the best quality of sound reproduction. Also, as the Plinius CD101 uses very little power while on, we suggest leaving the unit turned on so that it will always be at it's sonic best.

CD101 FEATURES

REMOTE CONTROL

Provided with your Plinius CD101 is an 11 function remote control. Two AAA batteries power the remote, and these are replaced by removing the two cap screws on the rear face of the remote that hold the battery compartment in place. The bottom end of the remote is now free to slide down for access to the batteries. Replace the two batteries, taking care to refit the new ones with correct polarity.

MAINS/LINE FUSE

A Mains/Line fuse is fitted within the IEC socket on the rear of the Compact Disc player. A small drawer at the bottom of this socket may be removed (after the IEC plug is removed) by levering it out with a flat blade screwdriver. The fuse fitted should be rated at no greater than 5 amps normal blow.

IMPORTANT: DO NOT FIT A FUSE WITH A HIGHER RATING.

In the unusual event that this fuse should blow, you must first establish the cause of this failure (such as power surges, damaged mains cable, etc.) before replacing the fuse with one of the same rating and type. Should the Compact Disc player continue to suffer mains fuse failure, contact your PLINIUS dealer.

COPY PROTECTED COMPACT DISCS

Please understand that the CD101 has been designed to meet the standards as laid out in the Redbook CD specification. Copy protected CDs do not conform to this standard, and are manufactured with deliberately introduced errors in an attempt to frustrate those who may want to make digital copies. These schemes also compromise the audio potential of the Compact Disc format. The firmware in the CD101 has been designed to enable most copy protected CDs to be played. However it is possible that if a non-standard Compact Disc is inserted, it may be unreadable or create errors. If this occurs the power LED will be the only LED lit after the CD initialisation sequence. Take the Compact Disc out of the Compact Disc player to remedy the error condition. We suggest you make your discontent known to the retailer the disc was purchased from, and to the guilty record company.

SPECIFICATIONS

- **FREQUENCY RESPONSE:** 20Hz to 20kHz ±0.2dB.
- **DISTORTION:** <0.01% THD at rated input level.
- **HUM & NOISE:** -100dB at rated input level, A Weighted.
- **MAXIMUM OUTPUT LEVEL:** 2V RMS into 10kΩ or higher.
- **OUTPUT SOURCE IMPEDANCE:** Typically 100Ω.
- **DIGITAL OUTPUT IMPEDANCE:** 75Ω.
- **HEIGHT:** 105mm (4")
- **WIDTH:** 450mm (17 3/4")
- **DEPTH:** 400mm (15 3/4")
- **WEIGHT:** 10kg (22lbs)

INDEX

CONTACT DETAILS

All operational, technical and descriptive material published here is subject to change at any time without notice. For further product information or queries, please contact us at the address below.

PLINIUS products are designed and manufactured by:

Plinius Audio Ltd.
P.O. Box 1836
Palmerston North
New Zealand

Phone: 64 6 354 8583
Facsimile: 64 6 354 8586
Email: info@pliniusaudio.com
Internet: www.pliniusaudio.com