



***GCD-750***

**Compact Disc Player**

**OWNER'S MANUAL**

## THE FOLLOWING PRECAUTIONS AND SAFETY INSTRUCTIONS ARE REQUIREMENTS OF UL AND CSA SAFETY REGULATIONS

**Warning: To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.**



Read all the safety and operating instructions before connecting or using this unit.

Retain this notice and the owners manual for future reference.

All warnings on the unit and in the operating instructions should be adhered to.

Do not use this unit near water: for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

The AC power cord should be routed so that it is not likely to be walked on or pinched, especially near the plug, convenience receptacles, or where the cord exits the unit.

The AC power cord should be unplugged from the wall outlet when the unit is to be unused for a long period of time.

This unit should be serviced by qualified service personnel when:

- The power cord or plug has been damaged; or
- Objects have fallen or liquid has been spilled, into the unit; or
- The unit does not appear to operate normally, or exhibits a marked change in performance; or
- The device has been dropped, or the enclosure damaged.

TO AVOID HAZARDOUS EXPOSURE TO INVISIBLE LASER RADIATION, DO NOT OPEN OR REMOVE/DEFEAT LASER TRANSPORT PROTECTION HOUSING.

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the specifications Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures.

- reorient the receiving antenna
- relocate the CD player with respect to the receiver
- move the CD player away from the receiver
- plug the CD player into a different outlet so that the CD player and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to identify and Resolve Radio - TV Interference Problems". This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

**Caution --** Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

**Caution --** To prevent electrical shock, do not use the polarized plug with an extension cord or receptacle, or other outlet unless the blades can be fully inserted to prevent blade exposure.

**Attention--** Pour prevenir les chocs electriques ne pas utiliser cette fiche polarisee avec un prolongateur, une prise de courant ou une autre sortie de courant, sauf si les lames peuvent etre inserees a fond sans laisser aucune partie a decouvert.

**DO NOT ATTEMPT SERVICING OF THIS UNIT YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.**



This "lightning flash with arrowhead" symbol is intended to alert the user of the presence of uninsulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This exclamation point symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Do not place this unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury to a child or adult, and serious damage to the unit. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the unit. Any mounting of the device should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

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## PREPARATION

### Unpacking

Carefully remove the **GCD-750** from the cardboard shipping box. Locate and fill out the enclosed warranty registration card. Locate the AC power cord. Now remove the protective plastic sleeve. When removing the sleeve, take care not catch the gold front panel power switch in the plastic. Retain all packing material for future use in the event your unit may need to be shipped again.

### Placement

The **GCD-750** is designed to work on any stable, flat surface in an upright position. Do not install the player upside-down or standing on its side. To ensure long-term proper operation, do not locate the **GCD-750** near heat sources such as radiators or heat vents. Do not install the unit in an enclosure with other heat producing components --such as amplifiers-- unless the enclosure has adequate ventilation. Do not place more than thirty pounds of equipment on top of the unit.

The **GCD-750** may also be installed in a standard 19" rack mount system using ADCOM's **RM-4 Rack Mount Kit**. See your nearest ADCOM dealer for details.

### Precautions

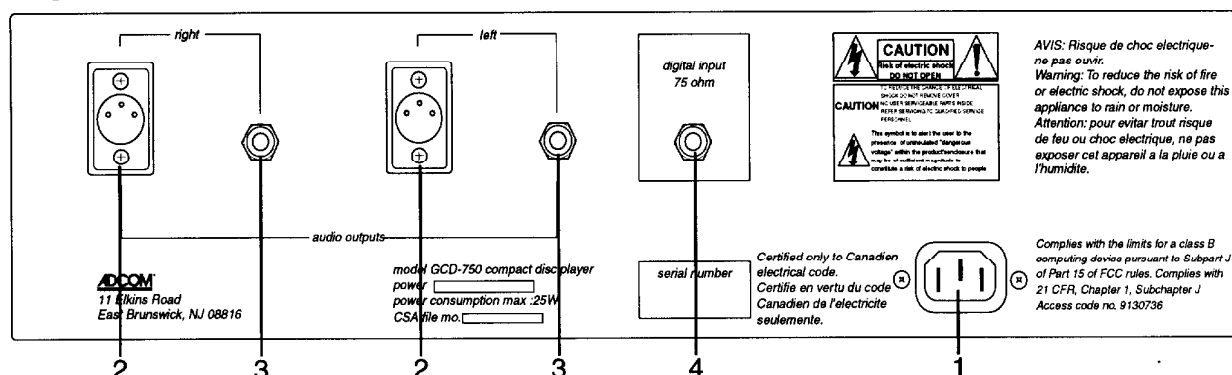
Before connecting or disconnecting your **GCD-750**, make sure the power is off to all the equipment in your system. The safest method is to disconnect the AC power cords from the power source. You may use one of ADCOM's AC power enhancer/surge protectors to allow for easy AC power disconnection to all your audio/video equipment. See your dealer for details.

## REAR PANEL CONNECTIONS

Using either the balanced outputs or the unbalanced outputs, connect the **GCD-750** to the inputs of your preamp labeled **CD**. (See the following **PRODUCT OVERVIEW** section for further information.) See your pre-amplifier owner's manual for further instructions on connecting the **GCD-750** to your system.

## PRODUCT OVERVIEW

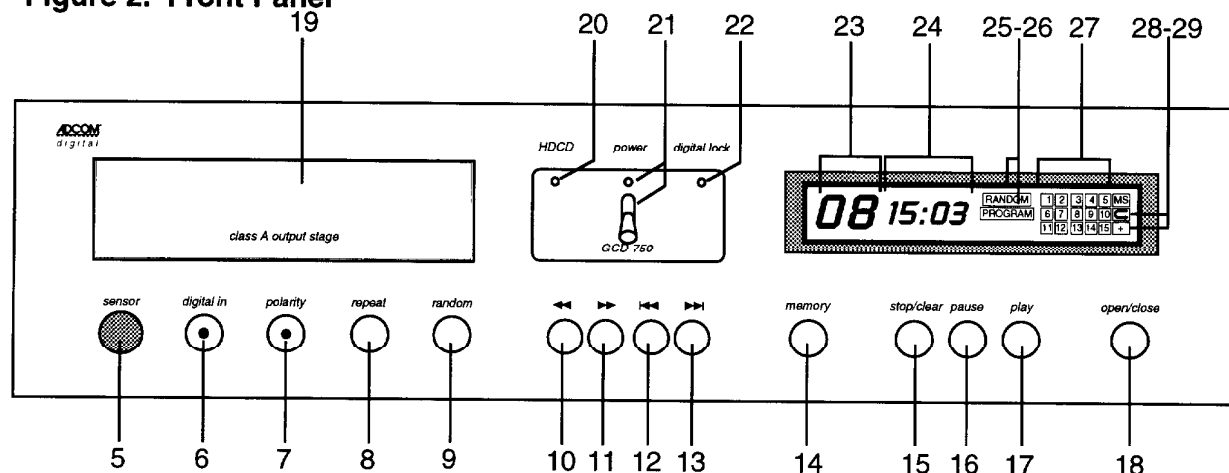
Figure 1. Rear Panel





### Detailed Description of Selected Features

- 1. AC Inlet** Use only the supplied AC power cord or equivalent to connect the **GCD-750** to AC power. Make sure the AC source matches the power requirements specified on the rear panel label located under the left audio outputs.
- 2. balanced outputs** Analog line-level outputs. Connect these outputs to the balanced inputs of your preamp using balanced hookup cables.
- 3. unbalanced outputs** Analog line level outputs. Connect these outputs to the standard line-level inputs of your preamp.
- 4. digital input** Allows the digital output of an external source to be processed by the GCD-750's D/A converters.

**Figure 2. Front Panel**



- |   |   |
|---|---|
| <p><b>5 IR sensor lens</b><br/>receives IR signal from remote control</p> <p><b>6 digital in</b><br/>switches between normal playback and external digital input playback</p> <p><b>7 polarity</b><br/>switches between normal and inverted playback. (Inverted - LED on.)</p> <p><b>8 repeat</b><br/>repeat mode on/off</p> <p><b>9 random</b><br/>random mode on/off</p> <p><b>10 &lt;&lt;</b><br/>scan backwards</p> <p><b>11 &gt;&gt;</b><br/>scan forwards</p> <p><b>12 &lt;</b><br/>previous track</p> <p><b>13 &gt;</b><br/>next track</p> <p><b>14 memory</b><br/>accesses units programming mode</p> <p><b>15 stop/clear</b><br/>press once to stop playback, press again to clear memory</p> <p><b>16 pause</b><br/>pauses playback until <i>play</i> is pressed</p> <p><b>17 play</b><br/>initiates playback</p> | <p><b>18 open/close</b><br/>opens and closes the disc bay door</p> <p><b>19 Disc Bay Door</b></p> <p><b>20 HD/CD</b><br/>indicates source material is a High Definition Compatible Digital encoded</p> <p><b>21 power switch and LED</b><br/>power on/off. LED glows when unit is on.</p> <p><b>22 digital lock</b><br/>indicates successful transfer of digital data to the D/A converters</p> <p><b>23 track number</b><br/>indicates number of current track</p> <p><b>24 time number</b><br/>indicates elapsed time of current track</p> <p><b>25 RANDOM</b><br/>indicates random playback mode</p> <p><b>26 PROGRAM</b><br/>indicates program playback mode</p> <p><b>27 track list</b><br/>indicates tracks available for playback</p> <p><b>28</b> <br/>indicates repeat mode playback</p> <p><b>29</b> <br/>Steady "+" indicates number of tracks exceed 15. Flashing "+" indicates current track is greater than 15.</p> |
|---|---|

## DETAILED DESCRIPTION (continued)

**5. IR Sensor lens** The outgoing IR signal from the remote control is received through this sensor lens. To ensure proper operation, do not cover or block this lens from the line of sight of the *remote control*, or severely scratch its surface.

**6. digital in** Pressing the *digital in* button connects the *digital input* located on the rear panel to the unit's D/A converters. This allows other components with digital outputs to use the *GCD-750's* D/A converters. Pressing the *digital in* button again returns the player to normal CD playback mode. The *digital in* status LED will glow indicating this feature is on.

**7. polarity** The *polarity* feature inverts the polarity of the output signal in the digital domain. Press the button again to disable this feature. When the *polarity* status LED is on, the signal is being inverted.

**Figure 3. CD Player Remote Control**

**30. 1-10** Directly selects tracks 1 thru 10.

**31. 10+** Directly selects tracks greater than 10 when used in combination with number buttons 1-10. (Pressing "10+" then "5" causes track 15 to be played. Pressing "10+", "10+", "3" causes track 23 to be played.)

**32. power** power on/off button. Press once to turn the player on. Press again to turn the player off.

### Preamp Remote Control

Buttons 32 through 40 are for use with ADCOM preamps. See your preamp instruction manual for more detailed information.

#### 33-36. Input Source Selection

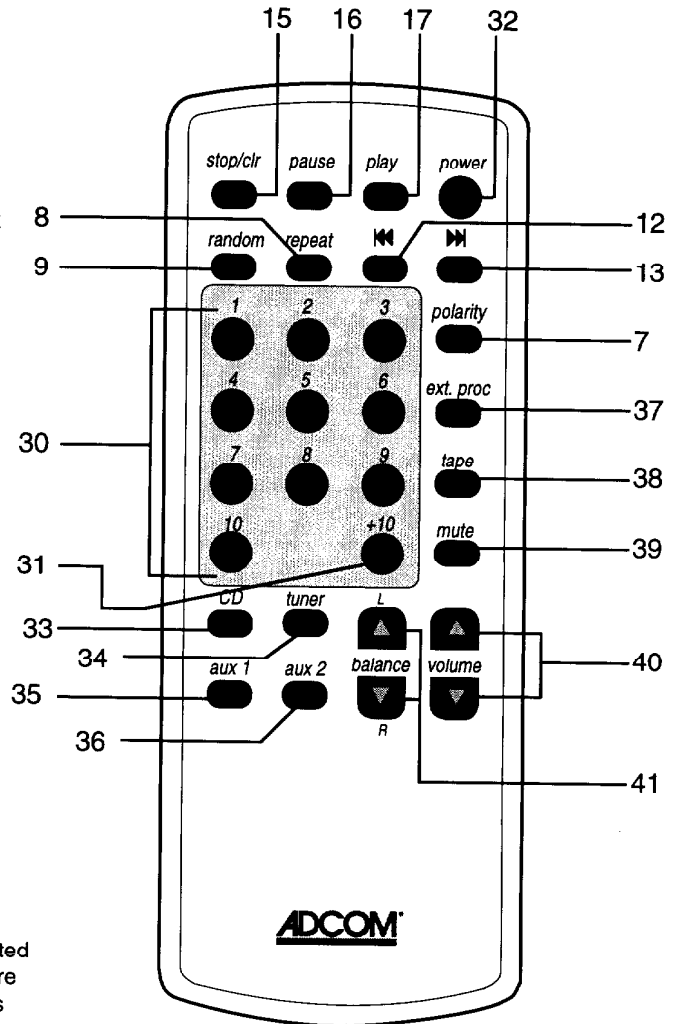
**37. ext proc** controls the external processor loop

**38. tape** selects tape as the input source

**39. mute** mutes output signal

**40. volume** adjusts volume up and down.

**41. balance** controls the output balance right to left.



### DETAILED DESCRIPTION (continued)

**8. repeat** Selecting this feature allows repeated playback of a track, a select group of tracks, or an entire disc. The front panel LCD display indicates when this feature is activated. (See *memory* for details on limiting playback to select group of tracks.)

**9. random** Selecting this feature causes the **GCD-750** to randomly play back tracks of the current CD. The "random" symbol will be visible on the front panel display when this feature is activated. (See *memory* for details on limiting playback to select group of tracks.)

**10, 11. forward and backward scan** Press and hold the *forward scan* button once to scan forward through the current track. Press and hold the *reverse scan* button to scan backwards through the current track.

**12, 13. previous and next track** Press and release the *forward search* button once to advance to the next track. Repeat this procedure to index through all the tracks. Press and release the *reverse search* button to index through the previous tracks. Press and hold either button to rapidly index through the tracks to the desired selection. The two-digit track display number will indicate which track has been selected.

**14. memory** Press *memory* to access the programming features of the **GCD-750**. The *memory* allows you to select any number of tracks from the disc and play them back in any order desired including random and repeat. See the section **programming the GCD-750** for programming instructions. The "memory" symbol will be visible on the front panel display when this feature is activated.

**15. stop/clear** Press *stop/clear* once to halt playback. Press *stop/clear* again to clear any program in memory.

**16. pause** Press *pause* to momentarily stop playback. Resume playback by pressing the *play* button.

**17. play** Press *play* to begin playback of the current disc.

**18. open/close** Press the *open/close* button to open and close the disc bay door and tray mechanism. Do not attempt to close or open the door and tray mechanism by hand.

## DETAILED DESCRIPTION (continued)

**19. Disc Bay Door and Tray** The disc bay door is opened and closed by pressing the *open/close* button located on the right-hand side of the front panel. Do not attempt to open or close the disc bay door by hand as damage may result from the force. Do not block the movement of either the bay door or the disc tray. The tray will accommodate both 3" and 5" audio compact discs.

**20. HDCD** This status LED indicates that the current disc is *High Definition Compatible Digital* encoded.

**21. power** Flip the *power* toggle switch up then release it to turn the player on. Flip again to turn the player off.

**22. digital lock** This status LED indicates the incoming digital signal is compatible with the **GCD-750's** D/A convertors.

**23. track display** During playback, the 2-digit track display indicates the current track. During programming these two digits indicate where in the sequence the next programmed track will be stored.

**24. time display** During playback, the 4-digit time display indicates how much time has elapsed for the present track. While programming these digits indicate which track was last found using the *forward* and *reverse search* features. (See the section on **PROGRAMMING THE GCD-750** for further information.)

**25. [RANDOM]** This symbol indicates that the **GCD-750** is currently in the random playback mode. Pressing either the front panel *random* button or the *random* key on the remote control will return the player to normal playback mode.

**26. [PROGRAM]** This symbol indicates the **GCD-750** is currently in the program mode, playing only those tracks stored in memory. For further information on programming the **GCD-750** see the section titled **PROGRAMMING THE GCD-750** below.

**27. track list** During normal playback, a block will be lit for each track on the CD provided there are no more than 15 tracks. (For discs containing more than 15 tracks, the **[+]** symbol will be lit in addition to the 15 number blocks. During program mode playback, only blocks for those tracks which have been stored in memory will be lit.

**28. [REPEAT]** This symbol indicates the **GCD-750** is in the repeat playback mode. See item 8 for further details regarding the GCD-750's repeat capabilities.

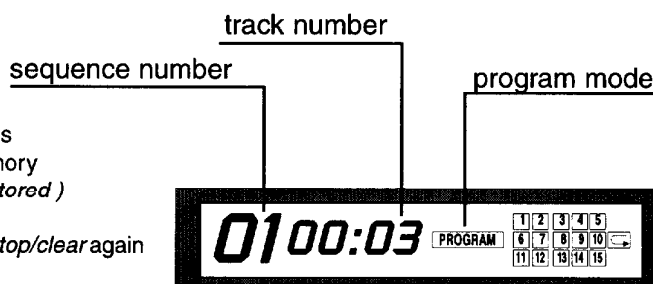
**29. [+]** This symbol indicates the current disk has more than 15 tracks. During playback, this symbol will flash when the track number is greater than 15.

## OPERATING THE GCD-750

1. turn power on
2. press *open/close*
3. load CD label side up
4. press *open/close*
- optional:* -program selected tracks using the memory features  
-select the repeat function for continuous playback of selected tracks  
-select the random function random playback of selected tracks
5. press play

## PROGRAMMING THE GCD-750

1. Press *memory*
2. Select desired track using **[<<]** and **[>>]** buttons
3. Press *memory* to store selected track in memory  
(Repeat steps 2-3 until all tracks are stored)
4. Press *play* to begin playback.
5. Press *stop/clear* once to halt playback. Press *stop/clear* again clears the tracks stored in memory.



Note: While in the memory mode the search, scan and random functions access only those tracks stored in memory. Tracks not stored in memory are ignored until memory is cleared.

## ADDITIONAL INFORMATION

### Caring For Your GCD-750

ADCOM has taken great care to produce a product that is flawless in appearance as well as performance. To maintain the chassis appearance, simply wipe clean the outer surface using a damp lint free cloth.

**DO NOT SPRAY OR POUR LIQUIDS OF ANY KIND ONTO THE GCD-750.**

### Trouble Shooting

Symptom	Possible Cause	Remedy
-Remote control commands are not properly received	-Weak or dead batteries in remote control -infrared signal not reaching the <i>sensor</i> lens	-Replace batteries in remote control. As batteries weaken, the distance the remote control can send a signal is reduced. -Clear path between remote control and <i>sensor</i> lens.
-Current CD will not play -CD skips or sticks during playback.	-CD is loaded incorrectly -CD is dirty or damaged	-Remove CD and look for smudges or scratches. Wipe the CD clean with a soft cloth starting at the center and wiping to the outer edge. There is no remedy for a severely scratched CD.
-Cracking noise coming from speakers during playback	-Connection cables are defective	-Turn the system off. Replace the connection cables
-No sound coming from either or both right and left channel speakers	-Unit is improperly connected -Connection cables are defective -Problem with the preamp or amplifier	-Turn the system off and check all connections -Replace connection cables -Check preamp and amplifier for power and proper settings

### Servicing

Adcom has a Technical Service Department to answer questions pertaining to the installation and operation of your unit. In the event of difficulty, please contact us for prompt advice. If your problem cannot be resolved through our combined efforts, we may refer you to an authorized repair agency, or authorize return of the unit to our factory. To aid us in directing you to a convenient service center please indicate which major city is most accessible to your home.

Please address all mail inquires to:

ADCOM Service Corporation  
11 Elkins Rd  
East Brunswick, NJ 08816 USA  
Phone or Fax inquiries to:  
Phone 732-390-1130  
Fax 732-390-9152  
Mon - Fri 9AM - 5PM EST

email and website info: [www.adcom.com](http://www.adcom.com) [info@Adcom.com](mailto:info@Adcom.com)

For fax inquiries, please include a return fax number for the reply.

For e-mail inquiries, please include a return e-mail address for the reply.

When contacting ADCOM concerning your **GCD-750**, be sure to reference the model and serial numbers as well as the date of purchase and the dealer from whom it was purchased. In the event the unit must be returned to our factory for service, you will be instructed on the proper procedure when you call or write for a Return Authorization. UNDER NO CIRCUMSTANCES SHOULD YOUR UNIT BE SHIPPED TO OUR FACTORY WITHOUT PRIOR AUTHORIZATION, OR PACKED IN OTHER THAN ITS ORIGINAL CARTON AND FILLERS. If the original shipping carton and its fillers have been lost, discarded, or damaged, a duplicate carton may be obtained from our Service Department for a nominal charge. If necessary, inquire about a box when requesting a Return Authorization Number.

Always ship PREPAID VIA UNITED PARCEL SERVICE (UPS) OR OTHER APPROVED CARRIER. DO NOT SHIP VIA PARCEL POST, since the packaging was not designed to withstand rough Parcel Post handling. FREIGHT COLLECT SHIPMENTS CAN NOT BE ACCEPTED UNDER ANY CIRCUMSTANCES.

## TECHNICAL SPECIFICATIONS

### ELECTRICAL

Frequency Response (+/- .05 dB) .....	20 - 20 kHz
Signal to noise Ratio (20 - 20 kHz, A weighted) .....	106 dB
Dynamic Range .....	98 dB
THD (20 - 20 kHz) .....	0.005%
Channel Separation (20 - 20 kHz) .....	>106 dB unbalanced >112 dB balanced
Output Impedence .....	50 ohms unbalanced 100 ohms balanced
Output Level .....	3.0 volts RMS unbalanced 6.0 volts RMS balanced
Digital input format .....	Biphase mark encoded S/PDIF
Digital input impedance .....	75 ohms
Sampling Rate .....	8 x Fs (352.8 kHz for Fs=44.1 kHz)
D/A conversion.....	Dual Burr Brown 20-Bit Colinear
Digital Filter .....	Pacific Microsonics PMD-100 HDCD®

### GENERAL

Power (available in 230 V by special order) .....	115 VAC-50/60 Hz
Power Consumption. ....	25 Watt running, 19 watts standby
Chassis Dimensions .....	17"(43.2cm)w x 4.7"(11.9cm)h x 15.5"(38.1cm)d
Maximum Dimensions .....	17"(43.2cm)w x 5"(12.7cm)h x 17(43.2cm)"d
Weight .....	20.5 lbs (7.7 kg)
Weight with Packing material and accessories .....	25 lbs (9.3 kg)
Accessories.....	Remote Control Transmitter RC-750CD Low loss stereo audio cables AA,1.5 Volt Batteries

Specifications are subject to change without notice.



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