



PARASOUND

C/BD-2000 Belt Drive Compact Disc Transport

Congratulations on your purchase of this precision audio component and thank you for your selection of Parasound. The C/BD-2000's unique patented CD Belt Drive design delivers analog-like musicality unavailable in other compact disc transports. Every part within each circuit has been painstakingly selected for optimum quality and performance.

The C/BD-2000 has numerous convenience features which may not be obvious unless you take the time to learn about them. Please take a few moments now to read these instructions completely before you proceed. Whenever you are in doubt, refer to this instruction manual.



Unpacking and Placement

Save your carton and the packing inserts for future safe transport in case you move or your unit ever requires shipping for repair. The white printed carton is not itself strong enough for safe shipping, so you must place it into an additional outer carton before shipment.

The disc clamp, AC cord, and remote control are packed separately in the carton. Before you proceed, find the serial number which is located on the rear panel of your unit and record it here for future reference or in case of casualty loss or theft: _____

Your C/BD-2000 should be placed on a level and sturdy surface, out of direct sunlight. It should be in a well-ventilated area, away from heating ducts or radiators. The area must be free of dust or excessive humidity.

The location should be stable and isolated from speakers or foot steps to minimize vibrations that could interfere with the sensitive optical laser. This could cause the error correction circuits to operate excessively for other than defects in the CDs themselves. The unit should not be placed near any component that generates heat or a strong magnetic field, such as a power amplifier.

Do not place your C/BD-2000 near your radio or TV tuner since digital circuitry uses very high frequency signals that could cause interference with clear broadcast reception. Additionally, RF radiation from radio or TV tuners could interfere with the clarity of CD reproduction.

A Note on Moisture Condensation and Dew

If your C/BD-2000 is brought directly from a cold location to a warm room or if it is placed in a very damp room, moisture may condense on the laser lens within the unit and the transport may not operate. If this occurs, remove the disc and leave the transport in a warm, dry place for about an hour so the moisture can evaporate.

Connecting Your C/BD-2000

Before making any connections, turn off the power to your power amplifier. This will avoid an accidental “blast” of sound that could damage your speakers.

Once the inputs have been connected, plug the AC cord into any convenient outlet or into an outlet on the rear panel of your preamplifier or receiver. Try to run the AC cord in a perpendicular direction to the audio cables to minimize hum.

Digital Connections

75 Ω Coaxial

Your C/BD-2000 is equipped with an RCA jack for 75 Ω coaxial connection to an external D-A converter. A standard audio interconnect cable will not produce optimum results. You must use a digital cable that will minimize data reflections within the cable. We recommend the Parasound Data Bridge digital cable for this purpose.

AES Option (AESOP)

Your C/BD-2000 is also equipped with an AESOP module that provides a 3 pin XLR jack for AES/EBU standard digital transmission. Be sure to use a digital cable that will minimize data reflections within the cable. A standard audio interconnect cable will not produce satisfactory results.

Optional Advanced Digital Adapter Module (ADAM)

An optional Advanced Digital Adapter Module (ADAM) is available from your Parasound dealer or custom installer. The ADAM features an AT&T standard glass fiber ST module and an AES/EBU standard 3 pin XLR connector. Either of these will provide superior sound if your D-A converter is equipped to accept them. The advantage of the AT&T glass fiber optic connection is that it electrically isolates your transport from the rest of your system, potentially improving overall signal to noise ratio. The AES/EBU output offers a balanced digital output with a separate ground.

It's very easy to replace the AESOP with the ADAM. First, insure that the C/BD-2000 is unplugged before attempting to install the ADAM. Remove the two phillips head screws at either side of the AESOP module of the rear panel on your C/BD-2000. There is a small 4 pin connector connected to the AESOP. Remove this connector from the AESOP and attach it to the connector of the ADAM; there is only one direction you can fit the plug onto the socket. Make sure it is firmly connected, but if there is resistance, do not force it. Secure the ADAM with the two screws.

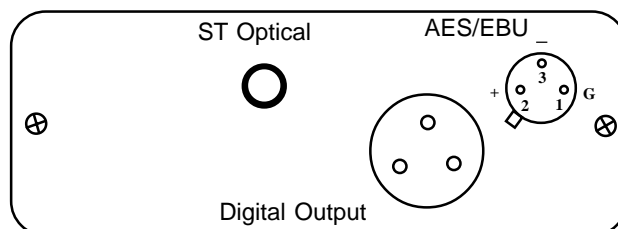


Figure 1: ADAM-Advanced Digital Adapter Module

External Remote Control Connection

Your C/BD-2000 accepts the input of any popular infrared repeater system to facilitate remote control operation from another room or when your transport is installed within a closed cabinet. This connector is a popular 3.5 mm mini jack and its center conductor is +, the outer is -. For further details contact your Parasound dealer or custom installer.

Front Panel Functions

Power Switch

Use this switch to turn your transport on and off. The power switch is not duplicated on the remote control handset.

Play/Pause

Press PLAY/PAUSE to start disc playback. Once the disc is playing, you can press this button to temporarily interrupt play of the disc shown in the display panel. To resume play, press the PLAY/PAUSE button again.

Track Skip

These buttons skip to the preceding or next track each time they are pressed. If you are listening to a track, pressing this button once will return play to the beginning of that same track.

Search

This is an audible fast review or fast forward cue to assist you in finding a specific segment within a given track.

Stop

This button stops the disc and disengages the laser operation. Once you have pressed STOP, when you press PLAY again, the transport will start current track again a few seconds after it reads the disc.

Operating Your C/BD-2000

Loading Discs

To load a disc, slide the glass door open. Remove the disc clamp and place it on the convenient clamp pad on the top of the chassis. Next, load the disc onto the spindle, label side up, and gently place the disc clamp on top of the disc. Slide the plexiglass door into its fully closed position; the unit will not operate unless the door is fully closed. The C/BD-2000 will read the disc and momentarily display the total time number of tracks on the disc. Once the transport has read the disc's table of contents, it is ready to play. After loading, press PLAY and the disc will start playing the first track on the disc.

Selecting Specific Tracks

To select a specific track on the disc, press TRACK NUMBER on the remote or TRACK SKIP on the front panel to select the track you want to play. Start play by pressing the PLAY/PAUSE button on the remote or front panel.

Remote Control Handset

The remote control handset duplicates all front panel functions except power on/off. It also contains several additional functions:

Track Selection Numbers

Use the 1 through 0 numerical keys on the remote handset to select specific tracks that you want to hear. These buttons can also be used in conjunction with the programming function.

Repeat

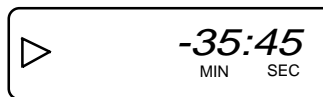
If you press this button, the disc will play over and over until you press the STOP or REPEAT button again.

Display

Press this button once to change from normal mode to time remaining on disc, press twice for time elapsed on disc, press three times to return to the normal mode.



Normal mode



First Press: Time remaining on disc



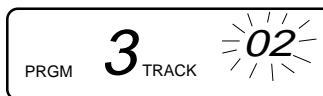
Second Press: Time elapsed on disc.

Programming

You can program your C/BD-2000 to play any sequence of tracks you want. All programming must be performed in the STOP mode. To program your C/BD-2000, first press the first desired TRACK NUMBER, and then PROGRAM. The PRGM indicator in the display panel will light to show that the C/BD-2000 is ready to play the programmed tracks. The first programmed track will be displayed as 01, the second track will be displayed as 02, and so on. After the first track has been programmed, the subsequent program numbers flash until program is pressed. Once you have programmed the C/BD-2000, press the PLAY button and the tracks will be played in programmed order. A maximum of 20 tracks may be programmed into memory.



Select track number directly or with the SKIP button. Press PROGRAM to store



Press SKIP or track number for next track to program. Press PROGRAM again to store



When programming is finished, press PLAY to start programmed play.

Checking the Program

Once you have programmed a sequence of tracks into memory, you can check your program sequence by pressing the PROGRAM button to display the track and program number.

Adding Tracks to the Program

You can add tracks to the program by first pressing TRACK NUMBER to make the next available track number flash in the display window. Next, press the PROGRAM to add the track to the program.

Deleting Tracks from the Program

You can delete individual tracks from the program with the CLEAR button. Use the PROGRAM button to locate the track you want to delete and press CLEAR.

Maintaining Your C/BD-2000

Your C/BD-2000 requires no periodic maintenance and has no user serviceable parts inside. To avoid risk of electric shock, do not remove the top cover. To keep it clean use only a soft cloth and never use any solvents or abrasives. Since dust and dirt can cause problems, keep the plexiglass door closed when you are not using the C/BD-2000. Fingerprints may be removed with a soft cloth moistened only with a few drops of clear water. The remote control handset batteries should be removed whenever it will be unused for an extended period. Remove the battery cover annually to inspect and remove leaking batteries.

In Case of Difficulty

If you believe your unit is malfunctioning, please review these instructions, then refer to the following troubleshooting chart that covers many common problems:

Problem

Disc is inserted, but display does not show number of tracks and playing time:

Possible Solutions

Disc was inserted upside down-reinstall disc
Plexiglass door is not fully closed-close door
Disc is dirty - clean it carefully
Disc is scratched or defective - try another disc
Condensation on the laser lens - allow to warm up and dry

Problem

Sound skips or mistracks often

Possible Solutions

Transport is exposed to excessive vibration - find better location
Disc is dirty or damaged

Problem

Program function will not operate:

Possible Solution

Programming was erased - reprogram the memory

Problem

One channel not operative

Possible Solutions

Check cable connections-try another source at your preamp to confirm problem is with your CD transport

Problem

Remote control does not work

Possible Solutions

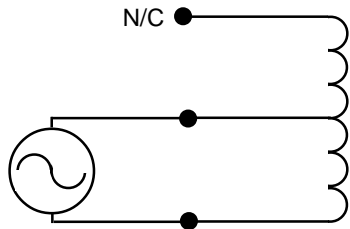
Batteries in remote control are weak or batteries are installed improperly
There is an obstruction between the remote control and transport
You are at too great an angle to transport for remote signal to reach it
There is no disc loaded in the transport
Transport is exposed to bright light which interferes with the remote signal
Transport is exposed to fluorescent lights that emit RF that interfere with IR transmission

If you still have difficulty after trying the above, call your Parasound Dealer or custom installer for further advice. If he cannot help you, call Parasound Technical Service at (415) 397-7100. We may be able to suggest some other diagnostic procedures. If we determine that the transport must be returned for factory service, we will give you specific instructions, including a specific Return Authorization number. Pack the unit carefully in both its original carton and its styrofoam protection and also an outer overcarton for adequate safety. You must mark the Return Authorization number on the outer carton only; units that arrive without evidence of adequate packing or without an outer carton or Return Authorization number will be refused. After service we will ship the unit back to you via UPS.

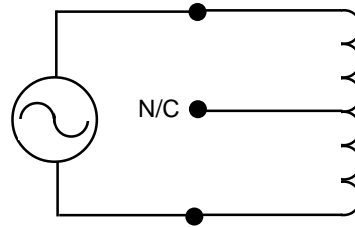
Rewiring Your C/BD-2000 For 220 V - 240 V Operation

Your C/BD-2000 may be rewired for operation abroad. This involves moving a jumper wire on the primary side of the power transformer. *Please refer this voltage conversion to a qualified electronics technician to avoid possible injury or damage to the C/BD-2000.*

With the C/BD-2000 wired for 120 V operation, there is a small 1/4" jumper wire labeled J004. To convert the C/BD-2000 to 230 V operation, move the jumper to J003 so the neutral of the AC is connected to the outer winding of the transformer instead of the center pin.



120 V Operation



230 V Operation

C/BD-2000 Specifications

Coaxial Digital Output

75 Ω RCA, 0.5 V peak-to-peak

AES/EBU Output

110 Ω XLR, 5 V peak-to-peak

Disc Defect Tracking

Up to 2000 μ M

Dimensions and Weight

19" wide x 3 1/4" high (4 5/8" with feet) x 15 1/4" deep; 23 lb

Power Requirements

120 V - 120 V AC 15 watts, may rewire to 220 V - 240 V

Optional ADAM Specifications

ST Module Fiber Optic

AT&T Standard, 820 nm typical wavelength

Special Features

- Unique CD Belt Drive Design
- Rugged Transport Mechanism
- Built-In Coaxial Digital Output
- AES/EBU Output Module Included
- Upgradeable to ST Optical Digital Output
- Scientific Conversion AES/EBU Transformer
- Drive Motor Vibrations Isolated from Spindle
- Massive 3/4 lb Disc Clamp
- FR-4 Glass Epoxy Circuit Boards
- Precision Resistors and Capacitors
- High Mass Heavily Damped Chassis
- Fully Remote Controlled
- External IR Connector
- Fully Programmable
- Phosphor Bronze Main Bearing

Features and specifications subject to change or improvement without notice.

Parasound Limited Warranty (USA only)

Your Parasound C/BD-2000 is covered by a limited warranty against defects in materials and workmanship for a period of two years from date of purchase. This warranty is provided by the Parasound dealer where the unit was purchased. Warranty repair will be performed only when your purchase receipt is presented to validate your ownership, date of purchase and authorized status of the selling dealer. Defective parts will be repaired or replaced without charge by your authorized dealer's store or the location designated by your dealer that is authorized to service Parasound equipment. Additional information is available by calling or writing to the Service Manager, Parasound Products, Inc. at the address below. Charges for unauthorized service and transportation costs are not reimbursable under this warranty.

This warranty becomes void if the product has been damaged by alteration, misuse, accident or neglect. Alteration includes any removal, obscuring or defacement of its serial number. This warranty becomes void if unit has been connected or operated contrary to printed instructions. The warrantor assumes no liability for property damage or any other incidental or consequential damage whatsoever which may result from the failure of this product. Any and all warranties of merchantability and fitness implied by law are limited to the duration of this expressed warranty.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary state by state. The above warranty applies to residential non-commercial use only.



PARASOUND
affordable audio for the critical listener

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