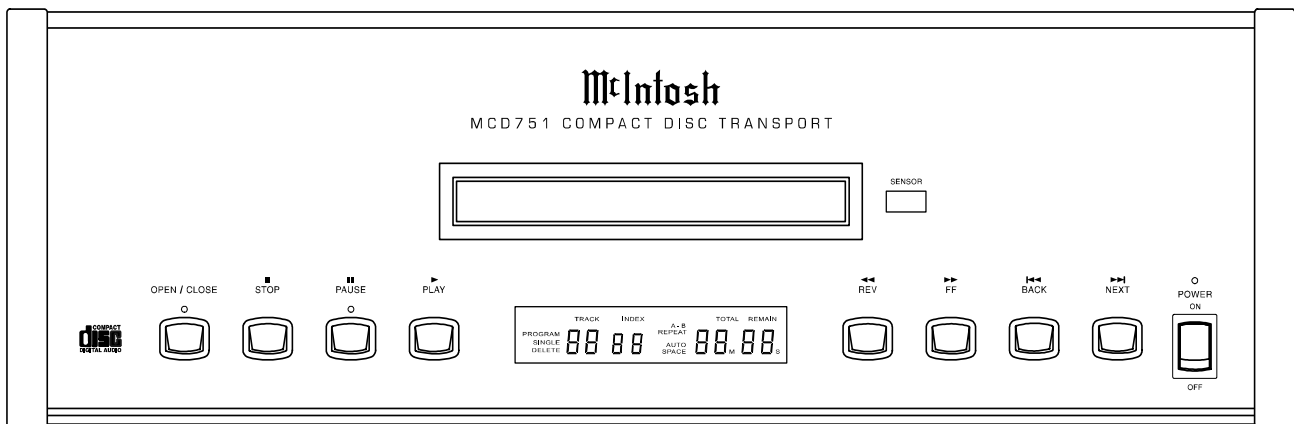


## MCD751 Compact Disc Transport



## MCD751

### Thank You

Your decision to own this McIntosh MCD751 Compact Disc Transport ranks you at the very top among discriminating music listeners. You now have "The Best." The McIntosh dedication to "Quality," is assurance that you will receive many years of musical enjoyment from this unit.

Please take a short time to read the information in this manual. We want you to be as familiar as possible with all the features and functions of your new McIntosh.

### Please Take A Moment

The serial number, purchase date and McIntosh dealer name are important to you for possible insurance claim or future service. The spaces below have been provided for you to record that information:

**Serial Number:** \_\_\_\_\_

**Purchase Date:** \_\_\_\_\_

**Dealer Name:** \_\_\_\_\_

### Technical Assistance

If at any time you have questions about your McIntosh product, contact your McIntosh dealer who is familiar with your McIntosh equipment and any other brands that may be part of your system. If you or your dealer wish additional help concerning a suspected problem, you can receive technical assistance for all McIntosh products at:

McIntosh Sales Corporation  
661 W. Redondo Beach Blvd.  
Gardena, CA 90247  
Phone: 888-979-3737  
Fax: 310-217-9288

### Customer Service

If it is determined that your McIntosh product is in need of repair, you can return it to your dealer. You can also return it to the McIntosh Laboratory Service Repair department. For assistance on factory repair return procedure, contact the McIntosh Repair Department at:

McIntosh Laboratory, Inc.  
2 Chambers Street  
Binghamton, New York 13903  
Phone: 607-723-3515  
Fax: 607-723-1917

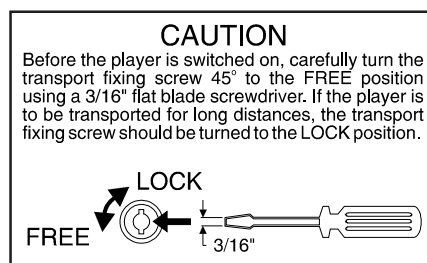
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### NOTES:

- The following Connecting Cable is available from the McIntosh Parts Department:  
**Data and Power Control Cable Part No. 170-202**  
Six foot, shielded 2 conductor, with 1/8 inch stereo mini phone plugs on each end.
- For additional connection information, refer to the owner's manual(s) for any component(s) connected to the MCD751 Compact Disc Transport.
- The MCD751 Laser Pickup assembly is protected from shocks and movement during transit by a transport locking mechanism. When the mechanism is in the LOCK position, the MCD751 Disc Tray will still open or close, however, the Laser assembly will not move and a disc will not play until the Locking mechanism is moved to the FREE position. Access the mechanism through a clearance hole in the bottom panel of the player, near to the decal as illustrated below and adjust the mechanism with the supplied tool or a small screwdriver.



Decal



Supplied Tool

## IMPORTANT SAFETY INSTRUCTIONS!

PLEASE READ THEM BEFORE OPERATING THIS EQUIPMENT.



### WARNING SHOCK HAZARD - DO NOT OPEN.

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



### AVIS RISQUE DE CHOC - NE PAS OUVRIR.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

**ATTENTION**  
DANGER D'ELECTROCUTION  
NE PAS OUVRIR

### NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL

To prevent the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified personnel.

#### General:

1. Read all the safety and operating instructions, contained in this owner's manual, before operating this equipment.
2. Retain this owner's manual for future reference about safety and operating instructions.
3. Adhere to all warnings and operating instructions.
4. Follow all operating and use instructions.
5. **Warning: To reduce risk of fire or electrical shock, do not expose this equipment to rain or moisture. This unit is capable of producing high sound pressure levels. Continued exposure to high sound pressure levels can cause permanent hearing impairment or loss. User caution is advised and ear protection is recommended when playing at high volumes.**
6. **Caution: to prevent electrical shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.**

**Attention: pour prevenir les chocs electriques pas utiliser cette fiche polarisee avec un prolongateur, une prise de courant ou un autre sortie de courant, sauf si les lames peuvent etre inserees afond ans en laisser aucune partie a decouvert.**

7. For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning or power line surges.
8. Do not use attachments not recommended in this owner's manual as they may cause hazards.

#### Installation:

9. Locate the equipment for proper ventilation. For example, the equipment should not be placed on a bed, sofa, rug, or similar surface that may block ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet, that may impede the flow of air through the ventilation openings.
10. Locate the equipment away from heat sources such as radiators, heat registers, stoves, or other appliance (including amplifiers) that produce heat.
11. Mount the equipment in a wall or cabinet only as described in this owner's manual.
12. Do not use this equipment near water; for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool, etc.
13. Do not place this product on an unstable cart, stand, tripod, bracket, or table. The equipment may fall, causing serious injury to a person, and serious damage to the product.

#### Connection:

14. Connect this equipment only to the type of AC power source as marked on the unit.
15. Route AC power cords so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the instrument.
16. Do not defeat the inherent design features of the polarized plug. Non-polarized line cord adapters will defeat the safety provided by the polarized AC plug. If the plug should fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.

17. Do not overload wall outlets, extension cords or integral convenience receptacles as this can result in a risk of fire or electric shock.

### Care of Equipment:

18. Clean the instrument by dusting with a dry cloth. Unplug this equipment from the wall outlet and clean the panel with a cloth moistened with a window cleaner. Do not use liquid cleaners or aerosol cleaners.
19. Do not permit objects of any kind to be pushed and/or fall into the equipment through enclosure openings. Never spill liquids into the equipment through enclosure openings.
20. Unplug the power cord from the AC power outlet when left unused for a long period of time.

### Repair of Equipment:

21. Unplug this equipment from the wall outlet and refer servicing to a qualified service personnel under the following conditions:
  - A. The AC power cord or the plug has been damaged.
  - B. Objects have fallen, or liquid has been spilled into the equipment.
  - C. The equipment has been exposed to rain or water.
  - D. The equipment does not operate normally by following the operating instructions contained within this owner's manual. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
  - E. The equipment has been dropped or damaged in any way.
  - F. The equipment exhibits a distinct change in performance - this indicates a need for service.
22. Do not attempt to service beyond that described in the operating instructions. All other service should be referred to qualified service personnel.
23. When replacement parts are required, be sure the service technician has used replacement parts specified by McIntosh or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
24. Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

### Introduction

The new McIntosh MCD751 Compact Disc Transport offers the latest concepts in mechanical excellence for precise CD reproduction. Combine the MCD751 with a McIntosh MDA700 D/A Converter, Decoder or Control Center with a digital input and you will enjoy reproduction of your favorite Compact Discs with unparalleled sonic beauty and accuracy.

### Performance Features

#### ● Precision Transport Mechanism

Included is a Vibration-Free Rigid Disc Clamping System consisting of a CD size die-cast, high density aluminum overhead turntable with a high precision helicoid clamp. The motor bridge and clamping system are made of high molecular material containing polyester fibers and ceramic powders.

#### ● Digital Servo Control Motors

The Brushless Hall Effect Drive Spindle Motor for disc rotation coupled with the Linear Laser Assembly Motor together helps boost clarity and maintain exacting levels of digital sound reproduction.

#### ● Remote Control

The Remote Control is included that will allow complete control of major functions.

#### ● Remote Power and Data Control

Remote Power Control In/Out allows the MCD751 to turn on/off with a McIntosh Control Center. The Data In/Out for remote control operation from another McIntosh component.

#### ● Special Power Supply

A fully regulated power supply with a special power transformer ensures stable noise free operation even though the power line should vary.

**Installation**

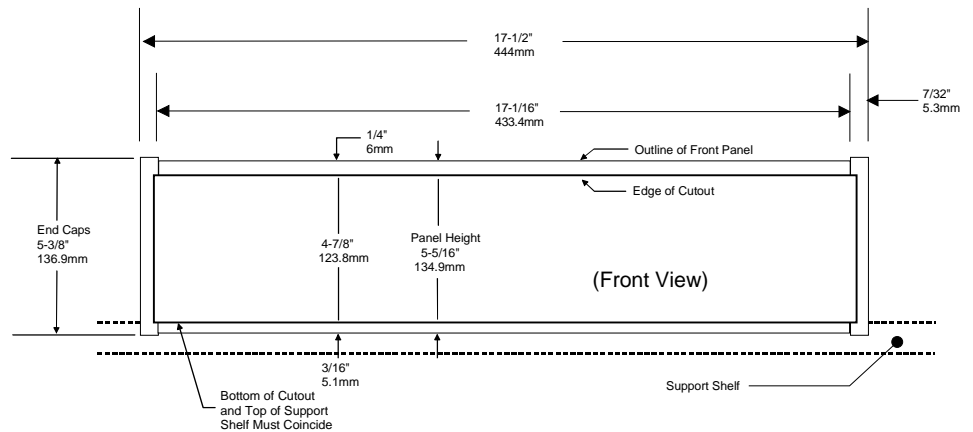
The MCD751 can be placed upright on a table or shelf, standing on its four feet. It also can be custom installed in a piece of furniture or cabinet of your choice. The required panel cutout, ventilation cutout and unit dimensions are shown.

Always provide adequate ventilation for your MCD751. Cool operation ensures the longest possible operating life for any electronic instrument. Do not install the MCD751 directly above a heat generating component such as a high powered amplifier. If all the components are installed in a single cabinet, a quiet running ventilation fan can be a defi-

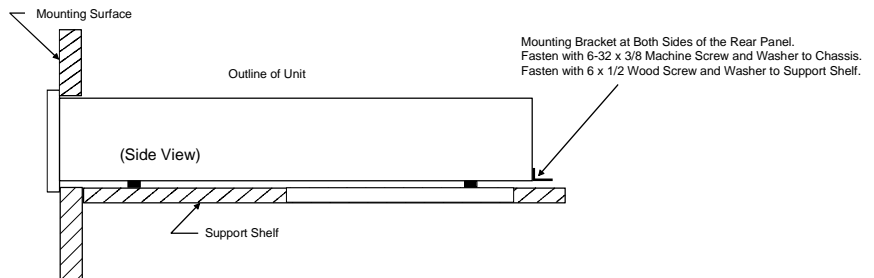
nite asset in maintaining all the system components at the coolest possible operating temperature.

A custom cabinet installation should provide the following minimum spacing dimensions for cool operation. Allow at least 2 inches (5.1cm) above the unit and 1 inch (2.54cm) on each side of the control center, so that airflow is not obstructed. Allow 16 inches (40.64cm) depth behind the mounting panel, which includes clearance for connectors. Allow 3/4 inch (1.9cm) in front of the mounting panel for clearance. Be sure to cut out a ventilation hole in the mounting shelf according to the dimensions in the drawing.

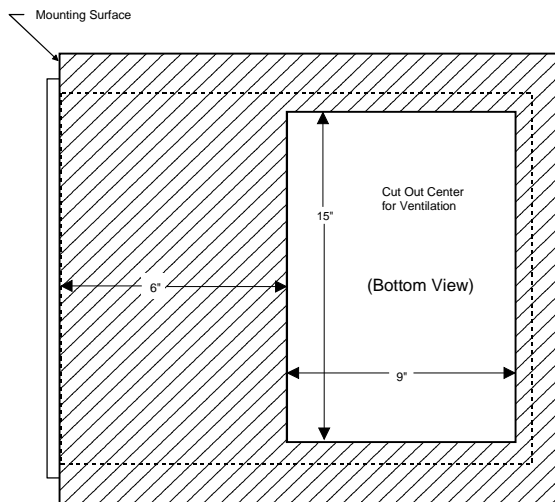
Front View of the MCD751 custom installed



Side View of the MCD751 custom installed



Bottom View of the MCD751 custom installed



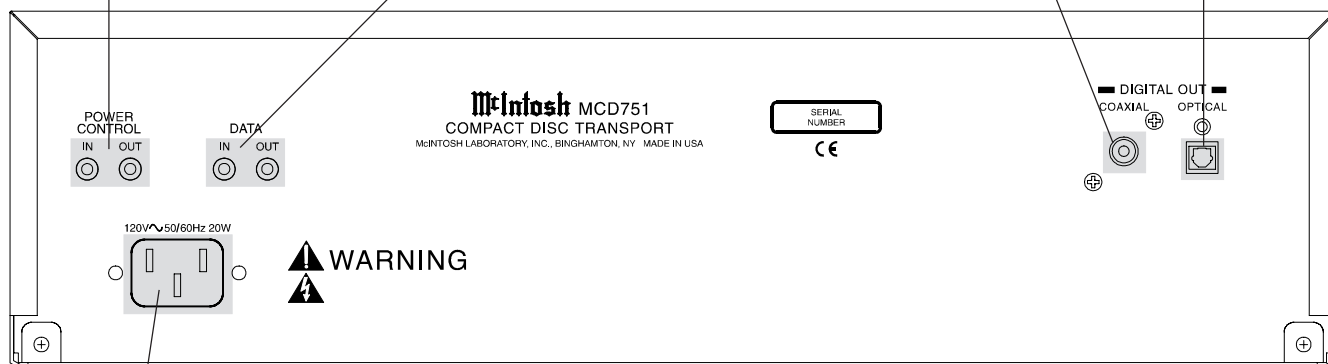
### MCD751 Rear Panel Connections

POWER CONTROL IN receives turn on signals from a McIntosh component and POWER CONTROL OUT sends turn on signals on to another McIntosh Component

DATA IN receives operating data from a McIntosh Control Center or D/A Converter and DATA OUT sends operating data to a McIntosh component

DIGITAL COAXIAL OUTPUT send signals to an external D/A Converter or Control Center with a D/A Converter

DIGITAL OPTICAL OUTPUT send signals to an external D/A Converter or Control Center with a D/A Converter



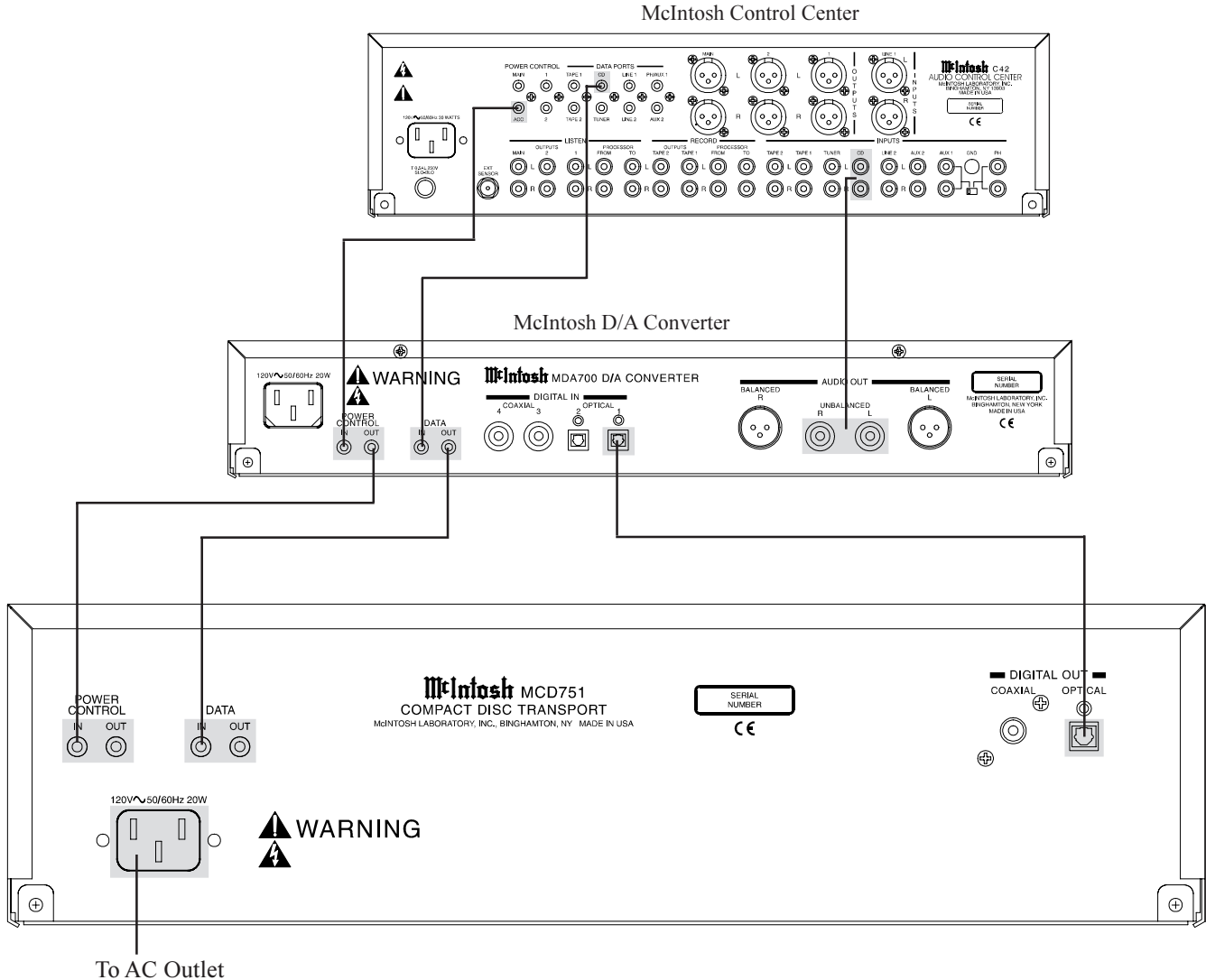
Connect the MCD751 power cord to a live AC outlet. Refer to information on the back panel of your MCD751 to determine the correct voltage for your unit

**How to Connect the MCD751**

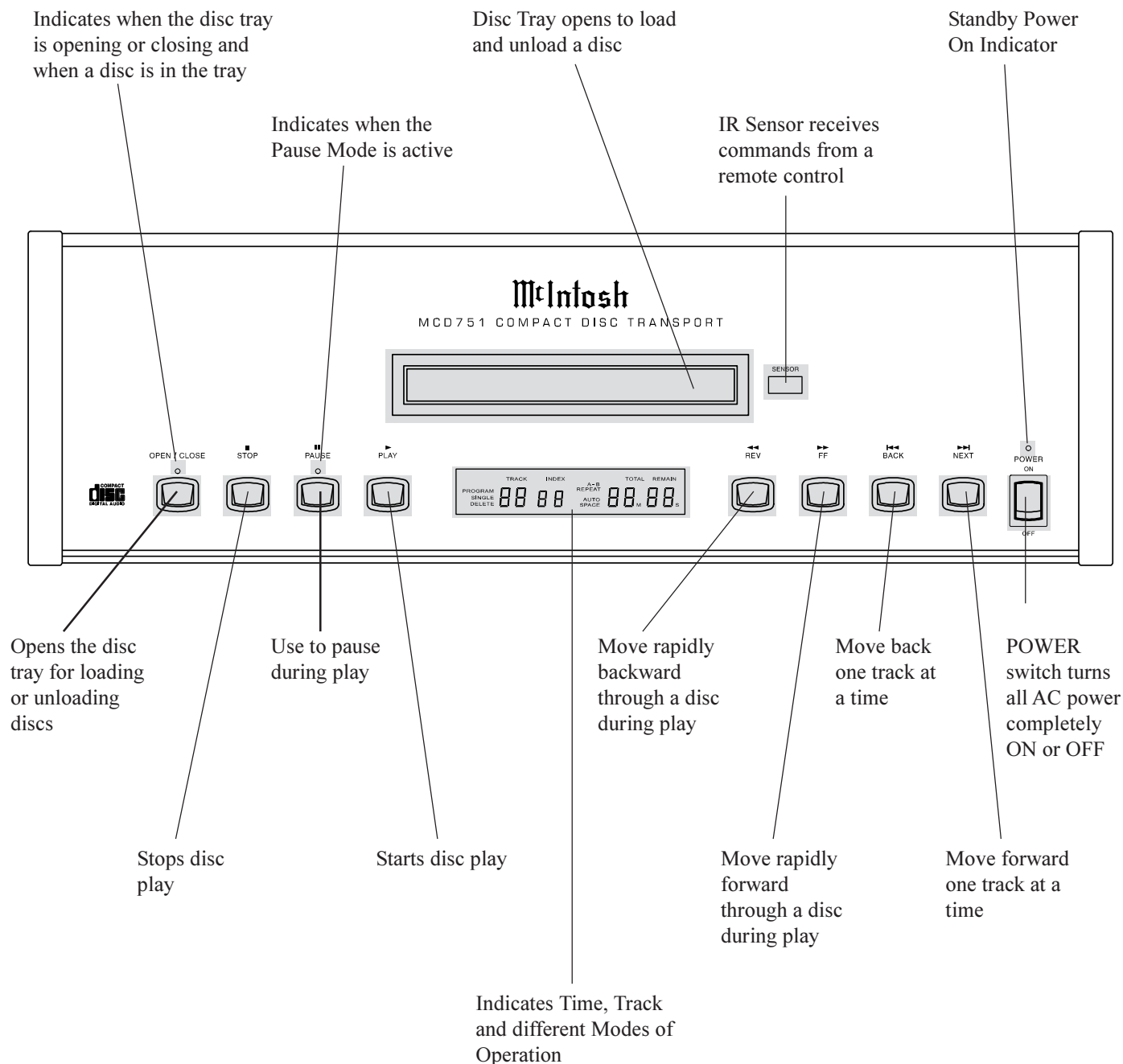
1. Connect the MCD751 power cord to a live AC outlet.
2. Connect a Power Control Cable from the POWER CONTROL OUT of a McIntosh MDA700 D/A Converter or Control Center to the MCD751 POWER CONTROL IN.
3. Connect a Data Cable from the MCD751 DATA IN Jack to a DATA OUT Jack on a McIntosh MDA700 D/A Converter or Control Center.
4. Remove the protective cap from the MCD751 OPTICAL DIGITAL OUT connector.

5. Connect an Optical Cable from the MCD751 OPTICAL DIGITAL OUT to the OPTICAL DIGITAL INPUT of a McIntosh MDA700 D/A Converter, Decoder or Control Center.

*Note: An optional connecting method is to use a coaxial cable from the MCD751 Coaxial Output to the Coaxial Digital Input of a McIntosh MDA700 D/A Converter, Decoder or Control Center.*



### MCD751 Front Panel Display, Push-Buttons and Switch





## How to Operate the MCD751

### Power On

The MCD751 can be turned on manually with the front panel POWER SWITCH. When a Power Control cable is connected to a McIntosh DA Converter or Control Center, the MCD751 POWER SWITCH can be left on, and the player will turn on automatically whenever the other component turns on. Refer to front panel drawing on the opposite page.

### How to Load a Disc

1. Press the OPEN/CLOSE pushbutton. The Red LED above the pushbutton will start flashing and the disc tray will slide out.

The front panel display will indicate "OPEN". Refer to Figure 1.



Figure 1

2. Place a disc within the guides, on the tray with the label facing up.

*Note: There is a recessed area on the disc tray to accommodate 3 inch (7.6cm) mini discs.*

3. Press the OPEN/CLOSE pushbutton a second time. The Red LED above the pushbutton will start flashing, the display will indicate "CLOS" and the disc tray will close. The LED will stop flashing and stay on as long as a disc is in the tray or playing. Refer to Figure 2. After the disc tray closes, for a few seconds the Time display will indicate the total number of tracks and total play time of the disc just inserted. Refer to Figure 3.



Figure 2



Figure 3

### Disc Play Modes

Listed below are six different modes for playing all or part of a Compact Disc:

#### Standard Play

1. Press the PLAY pushbutton and play will start from the first track on the disc.

*Note: After a disc is inserted in the tray, you can also press just the Play pushbutton to both close the disc tray and start playing the disc.*

#### Pause Play

1. Open the tray and load a disc.
2. Press the PAUSE pushbutton.
3. The tray will close, the player will enter Pause Mode.
4. When the Track Time Display appears and indicates (0\_m 00\_s), the player will be ready to immediately start playing Track 1 when either the PAUSE or PLAY pushbutton is pressed.

#### Direct Access Play

1. Open the disc tray and load a disc.
2. Press a NUMBER pushbutton on the Remote Control corresponding to the desired disc track.
3. The disc tray will close and play will start from the specified track without need for pressing PLAY.
4. For track numbers above 9, press the +10 pushbutton first and then required number. The +10 pushbutton must be pressed once for each multiple of ten track numbers. For example, for track number 25, press +10 twice and then 5.

#### Single Track Play

1. Press the SINGLE pushbutton on the Remote. The Single Indicator on the front panel display will light. Refer to Figure 4.
2. Press the NUMBER pushbutton(s) on the Remote that corresponds to the desired disc track you wish to play.
3. The selected track will play once, and then the MCD751 will Stop.
4. To play another single track, repeat Step 2.
5. To cancel the Single Mode, press the SINGLE pushbutton again.



Figure 4

#### Preselected Track Play

Up to 20 specific tracks on a disc can be selected to play in any desired order.

1. Load a disc in the player.
2. Press the PGM pushbutton on the Remote. Refer to Figure 5.
3. Press the NUMBER pushbutton(s) on the Remote to select the desired track(s) to play.



Figure 5

### How to Operate the MCD751, con't

- If you wish to change a selection, press the CLEAR pushbutton and then the number for the new track selection.
- Press the REVIEW pushbutton to review the details of each track selected for playback.
- Press the PLAY pushbutton and each of the tracks will play in the order you selected.

*Note: Track selection is performed when the player is in Stop Mode. The track selection memory will be retained when all tracks have played or when the STOP pushbutton is pressed. To cancel the track selection memory, press the STOP pushbutton twice, press the PGM pushbutton or open and close the disc tray.*

#### Delete Play

You can delete any tracks on a disc that you do not wish to listen to.

- Load a disc into the tray.
- Press the DELETE pushbutton. Refer to Figure 6.
- Press the NUMBER pushbutton (s) on the Remote to select the tracks you wish to delete.
- If you wish to change a selection, press the CLEAR pushbutton and then the number for the new track selection to delete.
- Press the REVIEW pushbutton to view the details of each track selected to delete.
- Press the PLAY pushbutton and all the tracks except the ones deleted will play.
- Cancel the Delete function by pressing the DELETE



Figure 6

pushbutton a second time, pressing the STOP pushbutton or open and then close the disc tray.

#### Pause Mode

- Press the PAUSE pushbutton to temporarily stop play operation at any time. The Red LED above the PAUSE pushbutton will light. Refer to Figure 7.
- Press the PAUSE pushbutton a second time to resume playing the disc.

#### Stop Mode

Press the STOP pushbutton at any time to stop disc play.

#### Index Search Mode

The INDEX pushbuttons allow direct access to any index point encoded in a disc track.

- Press either a LEFT(lower number) or RIGHT(higher number) INDEX pushbutton to select a desired Index Number in a specific disc track. Refer to Figure 8.
- The disc will automatically start playing from the selected Index Point.

*Note: The Index Numbers appear to the right of the Track Numbers in the Display Panel. Not all discs will have Index Numbers.*



Figure 8

#### Reverse or Fast Forward

Press REV or FF pushbuttons to move rapidly through all tracks on a disc. Speeded up sound will be audible during this operation.

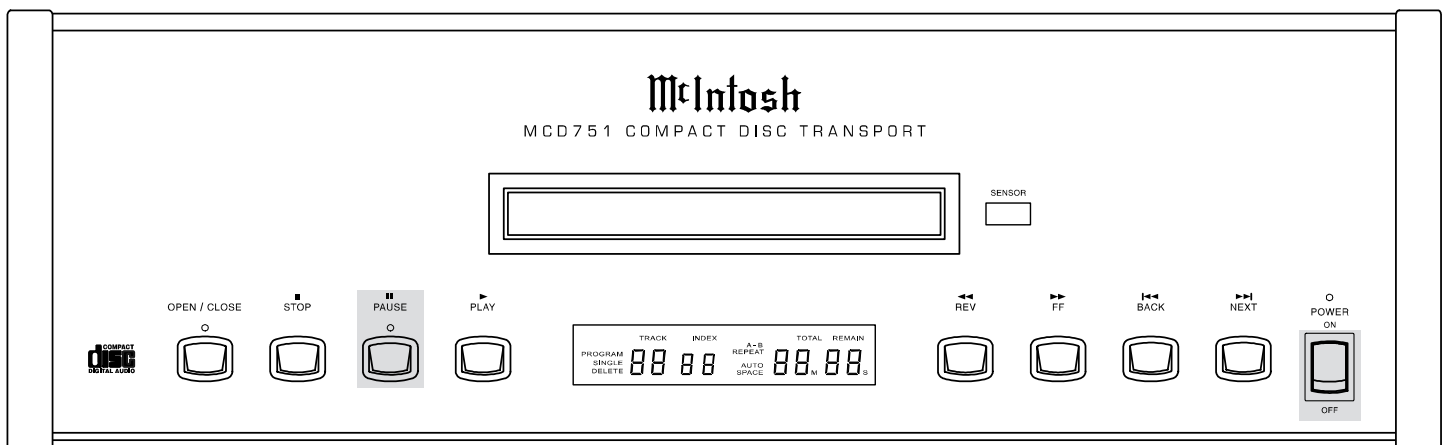


Figure 7

## How to Operate the MCD751, con't

### Back and Next

Press BACK or NEXT pushbuttons to jump from the beginning of one track to another. This operation can be performed in either Stop or Play Mode. If a track is playing, pressing BACK once, and play will restart at the beginning of the track that is playing. Pressing BACK twice will move back to the start of the previous track and start playing.

*Note: BACK and NEXT can be performed when the disc is playing, or in the Stop Mode.*

### Repeat Functions

The repeat function allows repeat play of an entire disc, a single track, a preselected track, a disc with deleted tracks or a portion of a disc determined by a start and stop point.

*Note: Press the REPEAT pushbutton to activate Repeat function in Delete Play, Single Track Play and Preselected Track Play Modes.*

#### Repeat an entire disc

1. Press the REPEAT pushbutton. Refer to Figure 9.
2. Press the PLAY pushbutton. The entire disc will play to the end, start over and continue playing repeatedly.



Figure 9

*Note: The Repeat Mode can be engaged at any time during the playing of a disc.*

3. Cancel the entire disc Repeat Play Mode by pressing the REPEAT pushbutton a second time.

#### Repeat play between two points

1. Load a disc and start it playing.
2. When the point on the disc that you wish to start Repeat Play is reached, (Point A), press the A-B pushbutton. This sets the beginning of the disc segment you wish to play repeatedly. The disc will continue to play. Refer to figure 10.
3. When the point on the disc is reached where you want Repeat Play to end, (Point B), press the A-B pushbutton a second time. This sets the ending of the disc segment you wish to play repeatedly. This disc segment will now start to play repeatedly.



Figure 10

4. Cancel A-B play mode by pressing A-B again or pressing Stop.

### Time Display

1. When the Disc is loaded and the tray closes, the total number of tracks and total disc time are displayed for a few seconds. Refer to Figure 11.

*Note: When the player is in Stop Mode, press the TIME*



Figure 11

*pushbutton once to display for a few seconds the total number of tracks and total disc time.*

2. When disc play starts, the elapsed time of each track is indicated.
3. Press the Remote Control TIME pushbutton once and the remaining track time is displayed. Refer to Figure 12.



Figure 12

4. Press the Remote Control TIME pushbutton a second time and the total remaining time on the disc is displayed. Refer to Figure 13.

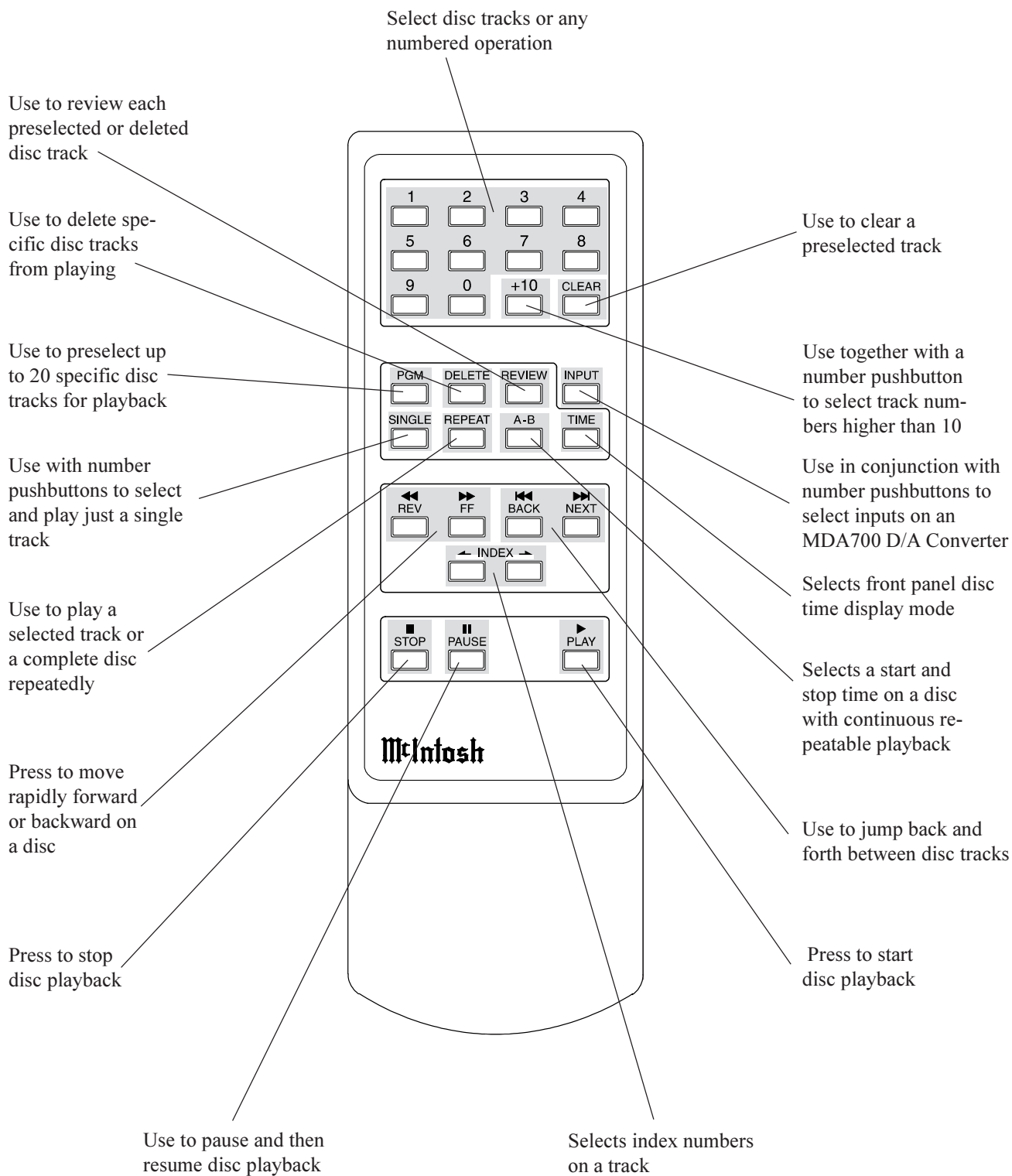


Figure 13

### Reset of Microprocessors

In the event that the MCD751 stops functioning, turn the POWER SWITCH OFF for approximately 10 Seconds. This will reset the transport microprocessors. Refer to figure 7.

### Remote Control Push-Buttons



### How to Operate the Remote Control

#### Numbered and +10 Pushbuttons

Press 1 through 9 to directly access these disc tracks. For track numbers above 9, press the +10 pushbutton first and then required number. The +10 pushbutton must be pressed once for each multiple of ten track numbers. For example, for track number 25, press +10 twice and then 5.

#### PGM

Press PGM and then the number(s) for all the specific tracks you wish to select to play in any random order.

#### Clear

Press CLEAR to erase a selected track and replace with another track.

#### Review

Press REVIEW to show on the display the details of the first track selected to play in random order or a track deleted from playback. Each time the REVIEW pushbutton is pressed, the display will show the details of the next track selected or deleted.

#### Delete

Press DELETE and then one or more NUMBER pushbutton(s) to delete tracks on a disc that you do not want to play. Cancel the Delete function by pressing DELETE again or the STOP pushbutton.

#### Single

Press SINGLE and a specific number pushbutton (s) to select and play a single track.

#### Time

Press TIME to select the time display of elapsed track time, remaining track time or total disc remaining time.

#### Input

Use together with NUMBER pushbuttons to select inputs on an MDA700 D/A Converter.

#### Pause

Press the PAUSE pushbutton to momentarily stop play operation at any time. Press the PAUSE pushbutton a second time to resume playing the disc.

#### Index

Press either an LEFT(lower number) or RIGHT(higher number) INDEX pushbutton to select a desired Index Number in a specific disc track. The disc will start to play from the selected index number. Not all discs have Index numbers.

#### Stop

Press the STOP pushbutton to stop the disc playing.

*Note: The MCD751 Remote Control can also be used in a remote area of any McIntosh remote control system to operate the player by sending control signals to McIntosh keypad or IR sensor. All the MCD751 Remote Control pushbuttons are active in this configuration.*

#### Alternate Remote Control Pushbutton Functions

Most basic MCD751 operating functions can be performed with Remote Controls of other McIntosh products. Additional MCD751 functions can be performed with other Remote Controls by using pushbuttons that are labeled differently from the player Remote. The chart below lists the MCD751 operations that can be performed by these different pushbuttons on Remote Controls of other McIntosh products.

<u>MCD751 Function</u>	<u>Alternate Remote Pushbutton</u>
+10	Review
REVerse	Seek Down
FF (Fast Forward)	Seek Up
Pause	E (Enter)
<u>MDA700 Function</u>	<u>Alternate Remote Pushbutton</u>
Input	AM

### Specifications

#### Digital Output

Optical: -15dbm to -21dbm\*

Coaxial: 0.5V p-p/75 ohm\*

\*Digital Audio Format, IEC958, S/P DIF

#### Transport

Pickup: Optical 3-beam laser

Objective Lens Drive System: 2-Dimensional parallel

Laser Type: GaAIAs semiconductor

Laser Beam Wavelength: 780nm

#### Digital Signal Format

Sampling Frequency: 44.1KHz

Quantization Bit: 16-bit linear/channel

Bit Rate: 4.3218Mb/sec

Modulation Code: Eight to Fourteen Modulation

Error Correction: Cross Interleave Reed Solomon

#### Power Requirements

100 Volts, 50/60Hz at 20 watts

110 Volts, 50/60Hz at 20 watts

120 Volts, 50/60Hz at 20 watts

220 Volts, 50/60Hz at 20 watts

230 Volts, 50/60Hz at 20 watts

240 Volts, 50/60Hz at 20 watts

*Note: Refer to the rear panel of the MCD751 for the correct voltage.*

#### Dimensions

Front Panel: 17-1/2 inches (44.5cm) wide, 5-3/8 inches (13.7cm) high, depth behind front mounting panel is 15 inches (38.1cm) including clearance for connectors. Panel clearance required in front of mounting panel is 3/4 inch (1.9cm).

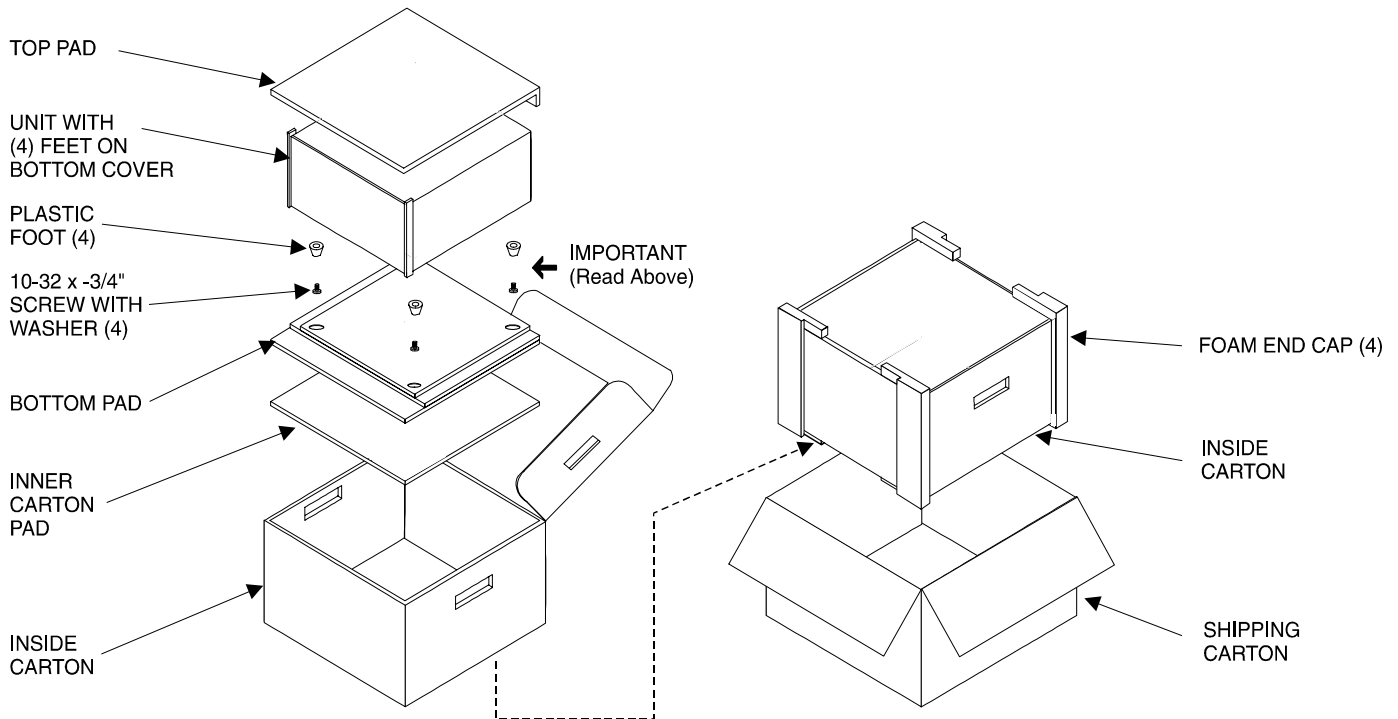
*Note: When the CD tray is opened, the panel clearance required in front of mounting panel is 6-3/4 inches (17.2cm).*

## Packing Instructions

In the event it is necessary to repack the equipment for shipment, the equipment must be packed exactly as shown below. It is very important that the four plastic feet are attached to the bottom of the equipment. This will ensure the proper equipment location on the bottom pad. Failure to do this will result in shipping damage.

Use the original shipping carton and interior parts only if they are all in good serviceable condition. If a shipping carton or any of the interior part(s) are needed, please call or write Customer Service Department of McIntosh Laboratory. Please see the Part List for the correct part numbers.

Quantity	Part Number	Description
1	034075	Shipping carton only
4	033837	Foam end cap
1	034076	Inside carton only
1	033726	Top pad
1	034036	Bottom pad
1	034077	Inner carton pad
4	017218	Plastic foot
4	100159	#10-32 x 3/4" screw
4	104083	#10 x 7/16" Flat washer
1	049270	Shipping carton complete with all the above parts



**McIntosh<sup>®</sup>**

McIntosh Laboratory, Inc.  
2 Chambers Street  
Binghamton, NY 13903

McIntosh Part No. 040624