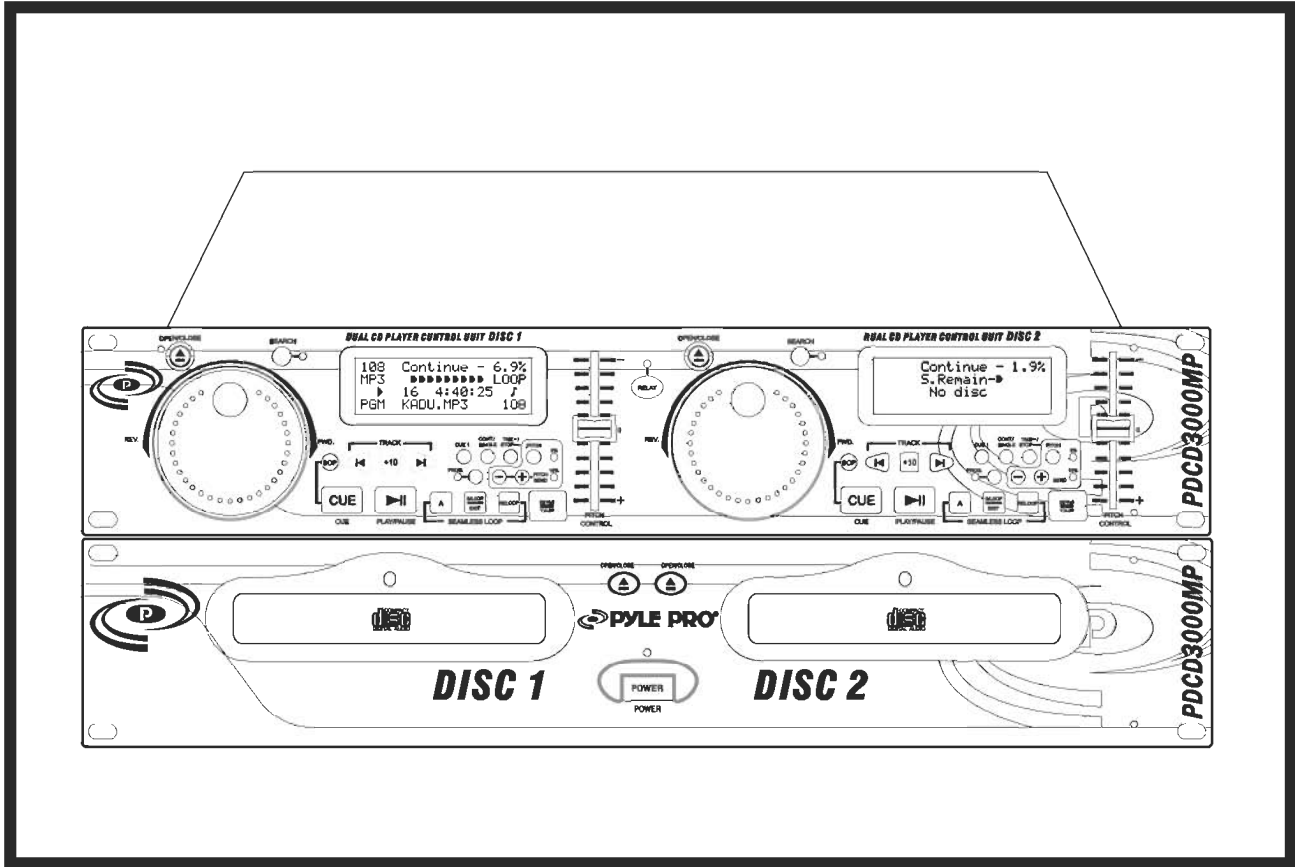


COMPACT DISC PLAYER

PROFESSIONAL DUAL CD/ MP3 PLAYER WITH SEAMLESS LOOP

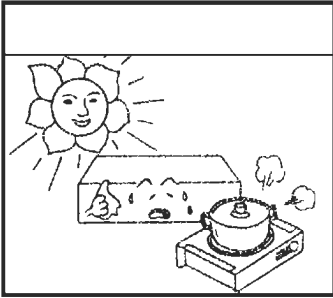


INSTRUCTION MANUAL

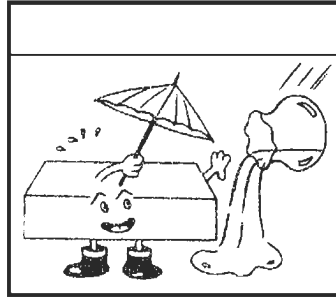
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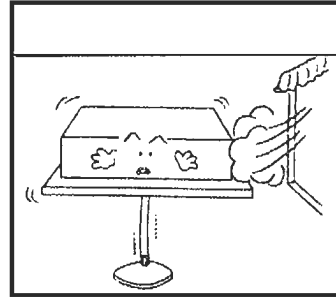
NOTE ON USE



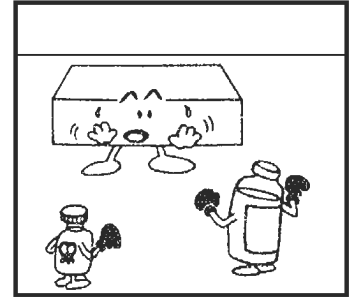
BE CAREFUL OF HIGH TEMPERATURE



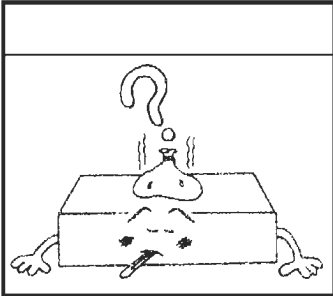
TO AVOID DUST & MOISTURE



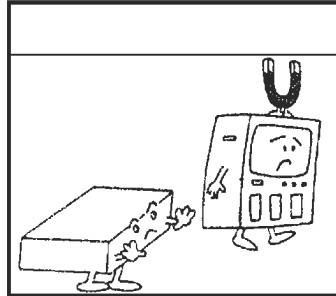
TO AVOID PLACING ON UNSTABLE LOCATION



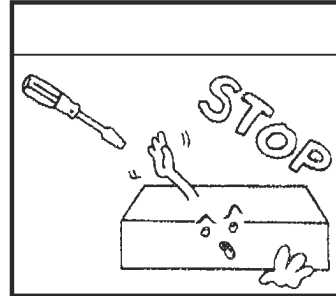
DO NOT USE CHEMICALS



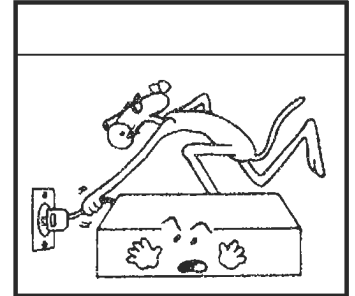
IF OUT OF WORK, CONTACT SALES AGENCY IMMEDIATELY



KEEP AWAY FROM TV & MAGNETISM



DO NOT OPEN THE CASE



CARE WITH THE POWER CORD

For Safe and Efficient Operation

- Select the installation location of your unit carefully. Avoid placing it in direct sunlight. Also avoid locations subject to vibration and excessive dust, heat, cold or moisture. Keep away from sources of hum such as transformers or motors.

The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus. The MAINS plug is used as the disconnected device, the disconnect device shall remain readily operable.

WARNING: The user shall not place this apparatus in the confined area during the operation so that the mains switch can be easily accessible.

- Do not use this compact disc player where there are extremes in temperature (below 41 ° F/5 ° C or exceeding 95 ° F/35 ° C).
- Do not open the cabinet as this might result in damage to the set or electrical shock.
- Be sure your hands are clean when handling discs. Never insert a disc, which has a crack on its surface.
- When disconnecting the power cord from the AC outlet, always grasp it by the plug. Never pull the cord.
- Do not use force when operating the switches and buttons.
- Before moving the set, be sure to disconnect the power cord and all connecting cables.
- To keep the laser pickup clean, do not forget to close the disc tray.
- Do not attempt to clean the unit with chemical

solvents as this might damage the finish. Use a clean, dry cloth.

- Keep this manual in a safe place for future reference.

SAFETY CERTIFICATION

Laser Diode Properties
 Material: Ga.-Al-As
 Wavelength: 755-815 nm (25°C)
 Laser Output: Continuous Wave max. 0.5mW

CAUTION:

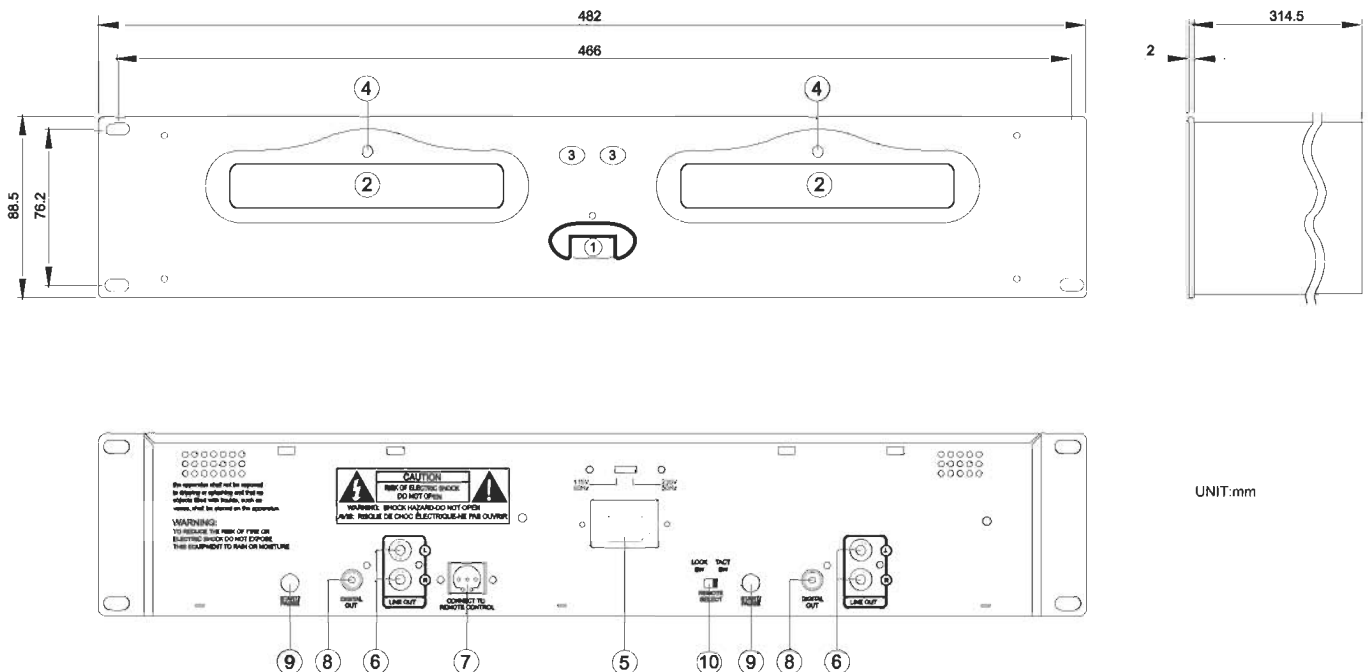
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION

To prevent electric shock do not remove cover (or bottom screws). No user serviceable parts inside refer servicing to qualified servicing personnel.

DESCRIPTION OF THE FUNCTIONS

Function of the Main Unit:



1. POWER (Power Switch)

Press the power switch to turn the unit on. To switch the POWER off press the POWER switch again.

2. Disc tray

The disc is placed on the tray. Pressing the disc tray OPEN/CLOSE button will open or close the tray.

Disc for play back

- (1) CD-R CD-RW discs are also playable. But due to recording quality and disc condition, some CDR/RW discs may not be readable. All the time be sure the CDR/RW discs are used without infringing copyright.
- (2) This unit can play discs with mp3 audio files.

3. OPEN/CLOSE (Disc Tray Open/Close Button)

Press to load or eject the disc. Each press will open or close the disc tray

NOTE: Tray will not open unless stop or pause button has been pushed first.

4. DISC INDICATOR

It lights up while the power is on.

5. AC INPUT

Connect power cord into an AC wall outlet with the proper AC voltage.

6. LINE OUT (Output Jacks)

The audio from each CD player is output from these jacks. Connect to the line input of the mixer.

7. CONNECTOR PORTS

The 8-pin termination permits the connection of the main unit to the control unit.

8. DIGITAL SIGNAL OUT

The digital from each CD player is output from these jacks. Connect to the line input of the D/A Amplifier

PS. For CDA only. With MP3 disc, digital out is disabled.

9. START/PAUSE

This connector is used for fader start; connect it to a mixer, and remote control the "START/PAUSE" by moving the fader of mixer. The START is from "PAUSE" point.

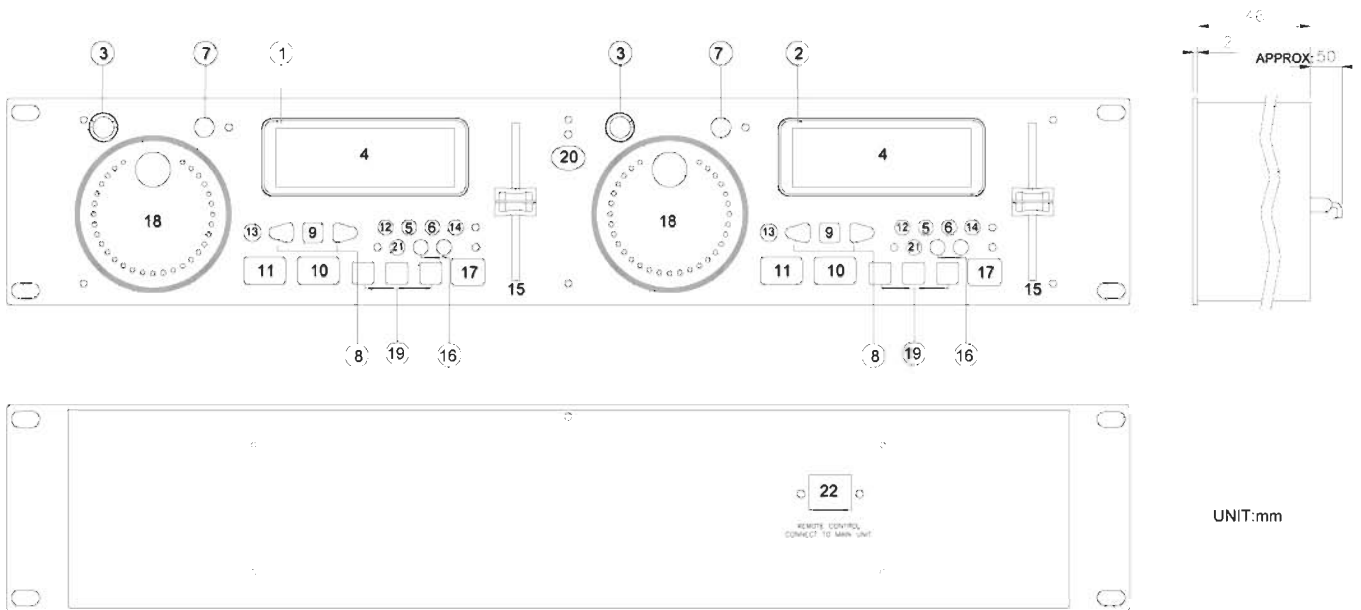
10. TACT-LOCK option

Select the type of switch in the mixer for FADER START wire remote control.

Lock: The control with the mixer is an on/off switch.

Tact: The control with the mixer is a momentary push bottom.

Function of the Control Unit



1. UNIT 1-CONTROL OPERATION PANEL

This operation panel remotely controls the main unit 1.

2. UNIT 2- CONTROL OPERATION PANEL

This operation panel remotely controls the main unit 2.

3. OPEN/ CLOSE BUTTON

Press to load or eject the disc. Each press will open or close the disc tray.

Note: Tray will not open unless the stop or pause button has been pushed first.

4. LCD DISPLAY

These LCD displays indicate the track numbers, time (minutes, second, frame), remain, pitch, beat, loop, auto cue single, continue and time bar.

5. CONT./SINGLE BUTTON (OUTRO)

Press this button to switch between SINGLE (AUTO CUE) and CONTINUE. The selected mode is indicated on the display.

*SINGLE (AUTO CUE)-After each track, the unit pauses at the beginning of next track. The playback starts from audible point.

*CONTINUE—To play all tracks.

*OUTRO-Press the button for 3 seconds for OUTRO function, the unit will play the last 30 seconds of each track.

Note: With MP3 discs, the Auto-CUE function is not available.

6. TIME / STOP BUTTON

This button switches the time display between remaining time, elapsed playing time, and total remaining time. The unit will be in the “STOP” mode if you continue to press the button for more than 3 seconds.

7. SEARCH / SKIP BUTTON

Press the search button to activate FAST SEARCH, and the red LED will light up. Simply rotate the jog dial to scan forward or backward. Current scan point is displayed on display.

Press the search button TWICE to activate skip mode, and then the red LED blinks.

Press the button again, the LED is off, and the Jog

Wheel is for PITCH BEND and Normal Search functions. Press this button for 2 seconds to enter the mode for selecting the ID3 data, use track skip buttons to search the desired tag.

Note:

(1) While fast searching with MP3 disc, the seconds cannot be displayed smoothly

(2) With MP3 disc, the search will not be in frame increments, and no STUTTER effect. Also, you cannot search backward to the previous song.

8. TRACK BUTTON

This button selects the track to be played

9. +10 BUTTON

Press the button to forward 10 tracks. If you forward 10 tracks, and exceed total tracks, the unit will jump to track 1.

10. PLAY/ PAUSE BUTTON

Each press of this button causes the operation to change between PLAY and PAUSE modes.

11. CUE BUTTON

The cue function allows the CD to be played from the memorized point any number of times. With the unit in the pause mode, press the CUE button to set up the memorized cue point and then the cue button blinks.

12. Cue 1 Button

Another Cue function, identical operating procedure as the cue button of No.11.

13. BOP BUTTON

The playback will automatically play from the CUE point when the button is pressed.

14. PITCH BUTTON

To switch between PITCH ON/OFF, simply press the PITCH button. Press the button for 2 seconds to deactivate PITCH mode.

While the PITCH mode is OFF, you can select the pitch range between 8% and 16%, the corresponding LED indicator will flash.

When the PITCH mode is ON, the corresponding LED is illuminated, and the pitch control slider will affect the playback speed depending on the pitch range selected and the position of the pitch control slider

15. PITCH CONTROL SLIDER

To match the playback speed (8%, 16%), you can choose the pitch you want between minimum (up) and maximum (bottom) by moving the pitch control slider.

16. PITCH BEND + / - BUTTON

When each of the two CD players is playing, the pitch bend function allows the position of the bass beat to be matched after the pitch has been adjusted. The pitch will automatically rise up to + 16% from the current setting while pressing the “ + ” button. While pressing the “ - ” button, the pitch will automatically drop to - 16 % from current setting. By this way of changing the pitch the position of the beats can be matched.

17. BPM Button

This button allows you to manually set the track's BPM. To set the BPM: tap this button a few times according to the music beats. It will automatically calculate your tapping and translate it into a tracks BPM. The BPM READOUT is then displayed in the display.

18. JOG WHEEL

This controls various functions, as follows:

*Speed Control

Rotating the wheel, in play mode, will change the playback speed accordingly. While rotating clockwise, the player speed increase; rotating counterclockwise, the speed decrease.

*Searching (Search/Skip LED lights)

Rotating the wheel in pause mode, the player will go forward or backward to the desired point to start. The searching speed changes according to the dialing speed. It can be carried out by one frame increments.

*Track Skip (Search/Skip LED blinks)

Rotate the wheel for fast track skip

19. SEAMLESS LOOP

1. There are A, B/LOOP/ EXIT, RELOOP buttons.
2. A BUTTON--- “start point” (A point. Same as Cue 1) After setting up the A point, the red LED lights up.
3. B/LOOP/ EXIT BUTTON--- “End point” (B point). Press the B /LOOP button to set up the B point and start the loop playback automatically. LOOP mark lights on the display and the 3 LEDs flash. Press this button again to exit the LOOP playback.
4. RELOOP BUTTON
Return to the loop playback by pressing the RELOOP while in play mode. This will not function while in PAUSE mode. If you want to exit LOOP playback, press RELOOP BUTTON again.
5. Change “START POINT” and “END POINT” by pressing the A& B/ LOOP/ EXIT button again.

The interval between A and B point must be more than 20 frames; otherwise, the B point will be canceled and LOOP function will switch off.

20. RELAY

Press the “RELAY” button to activate. When one unit is in play mode, and the other unit is in “pause” mode, pausing the playing unit causes the other unit to automatically start to play.

21. PROGRAM BUTTON

You can program the tracks you want. While the unit is stopped, press the PROG button first to enter memorized mode. Press the skip buttons to select the tracks you want and then press the PROG button again to complete. The max tracks you can program are 16 tracks per disc. While playing programmed tracks, the PROG LED lights up. If the disc tray is opened or power is shut off, the program function will exit.

This button can be used for DISC IDENTIFICATION, please note point 24.

22. CONNECTOR PORTS





The 8-pin termination permits the connection of the control unit to the main unit.

23. SLEEP:

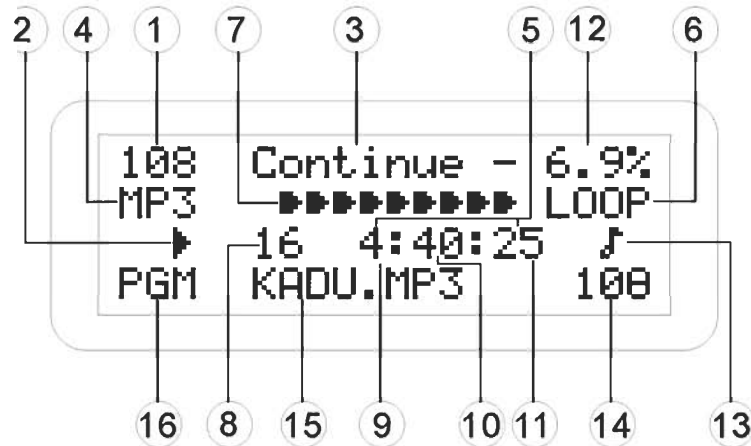
If the unit sits unused for 30 minutes; the machine will shut off automatically.

24. DISK IDENTIFICATION:

After being memorized, the cue point and programmed tracks can be recalled each time the disc is reloaded.

- CUE: In PAUSE mode, press PROGRAM knob to save CUE for recall, LCD will show “  ” mark. Press PROGRAM for 3 seconds while in PAUSE mode to recall the CUE point. Press skip knob  or  to select the desired point. Press PROGRAM knob again to load it. 10 points per disc, and total 99 discs.
- PROGRAM: In STOP mode, press PROGRAM knob to save PROGRAM for recall and LCD will show “  ” mark. Press PROGRAM for 3 seconds while in STOP mode to recall the PROGRAM. 16 tracks per disc, and total 99 discs maximum

LCD INSTRUCTION



This unit can display text information on the display when playing CD text discs which contain text information in English category.

Note:

This unit can provide a text display of the following types of characters. Other types of characters will show as random codes

Alphabet

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Numbers

0123456789

Symbols

! " # \$ % & ' () * + , - . / : ; < = >
? @ [\] ^ _ ` { | } ~ SPACE

1. TOTAL TRACK – the track numbers of the CD.

2. – The unit is in playing/ paused.

3. CONT / SINGLE – Shows whether unit is set to play all tracks continuously or only one track.

4. MP3 – Lights up when the unit is playing MP3 file. depending on mode setting

5. TIME MODE (ELAPSED, TOTAL, and REMAIN) – Shows the time as it is taking place, how much time is left on full CD or on a particular track.

6. LOOP – lights up when loop effects are active.

7. TIME BAR – Show the time length depending on the setting of the "TIME" mode.

8. TRACK – Shows the track number that is playing.

9. MINUTES – Shows the minutes elapsed or remaining.

10. SECONDS – Shows the seconds elapsed or remaining depending on mode setting.

11. FRAMES – The CD Player breaks down a second into 75 frames for accurate cueing. This shows the frames elapsed or remaining depending on mode setting.

12. PITCH – The pitch change range

13. BPM Manual BPM mode

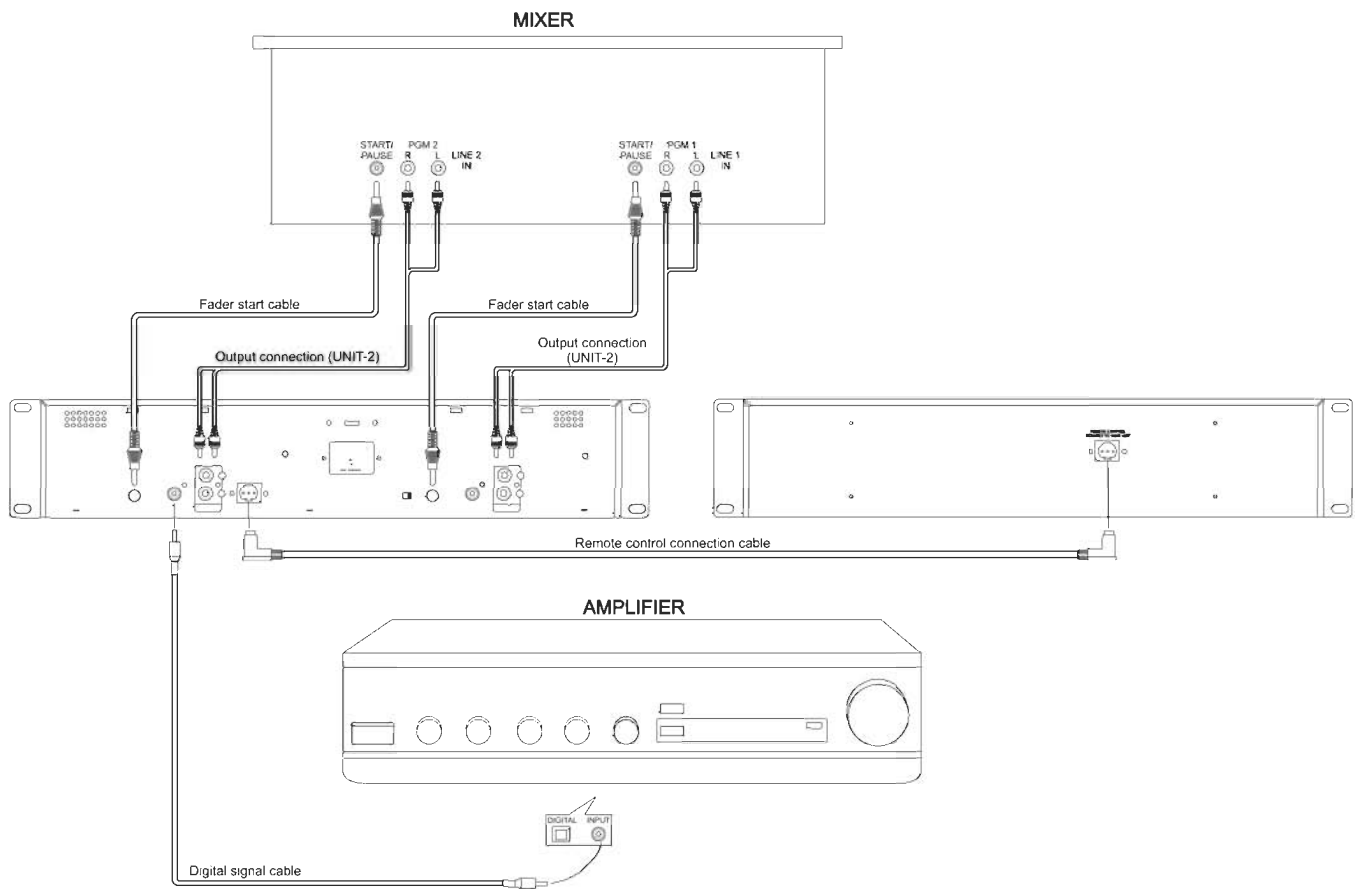
14. Number of Beat per minute

15. ID3 tag of CD/MP3 : Press "Search" button (above Dial Wheel) button for 2 seconds to display the ID3 data, file name · Folder name · Artist name · Title name and Album name, press this button again to confirm it.

16. PGM-Shows when you program the track you want.

Connections

Typical connections with a mixer is illustrated below. Please use it for reference.

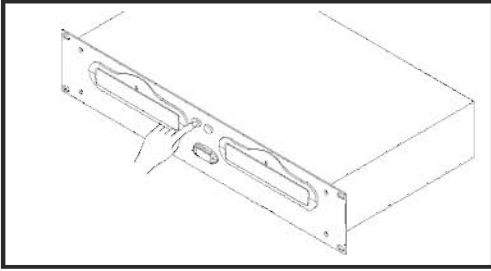


- * **LINE out:** Connect the RCA cords to the line inputs of your mixer.
- * **Remote control:** Connect the 2 units by 8-pin connecting wire.
- * **Start Pause:** Connect to mixer for fader start remote control.
- * **Digital out:** Connect to amplifier or a device with digital input terminal.
- * The RCA cords and the remote control connection cable are supplied with the main unit.
- * Be sure to use the remote control connection cable which has been supplied. Use of another cable type might cause damage.

BASIC OPERATION

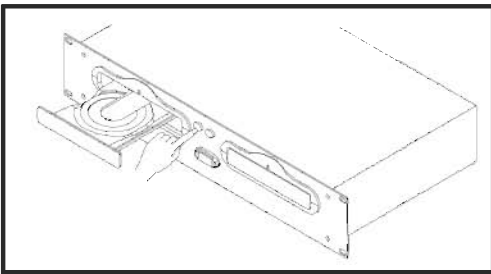
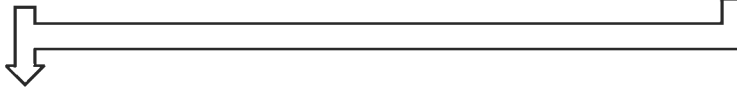
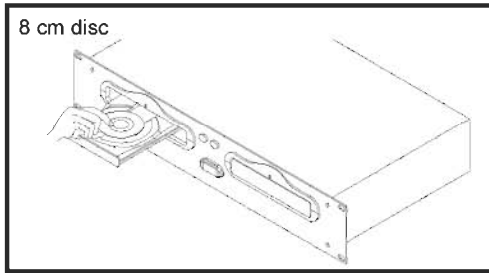
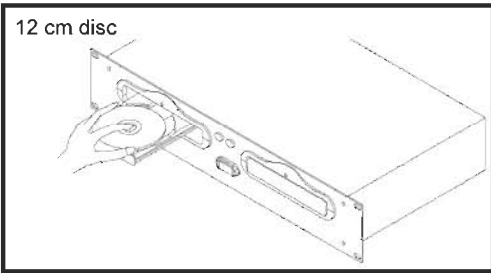
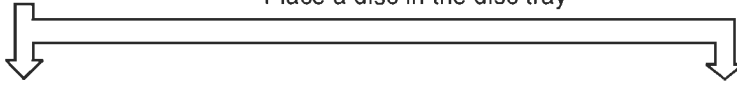
Loading and Ejecting the Disc

Open the disc tray

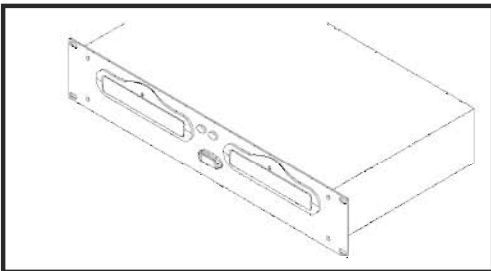


When the disc tray is closed, press the OPEN/CLOSE button to open the disc tray (This may be done on either the player or the remote control.)

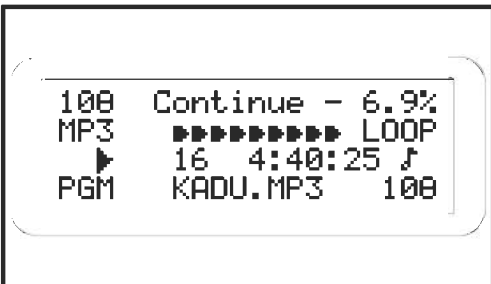
Place a disc in the disc tray



Press the OPEN/CLOSE button to close the disc tray.



The disc tray will close and the preparation for disc play will begin.

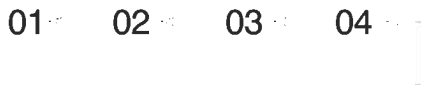
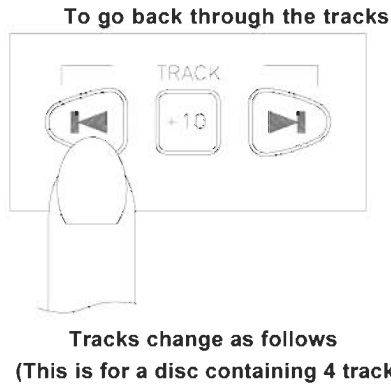


When preparation is completed, the total tracks number & total playing time will display.

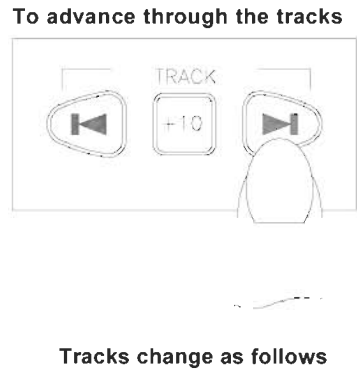


To the desired track

TRACK SKIP



When this button is pressed once, the CD player will skip backward to the beginning of the track, pressing twice will skip backward to the previous track.



When this button is pressed once, the CD player will advance to the beginning of the next track.

ANTI SHOCK MEMORY

This CD Player is equipped with an anti-shock memory which memorizes 10 seconds of music to prevent interruption in case of shock.

Warning: This system can't work in case of repetitive shocks or vibrations and if the memory is not completely buffered.

DISC IDENTIFICATION

1. MEMORY CUE POINT

- (1) Pause mode → press **PROG** knob for 3 second → save cue for recall
- (2) Pause mode and LCD display show " " mark → press **PROG** knob for 3 second → LCD DISPLAY show "LOAD SAVE" → Press skip knob or to select desired CUE point → Press **PROG** knob to LOAD CUE

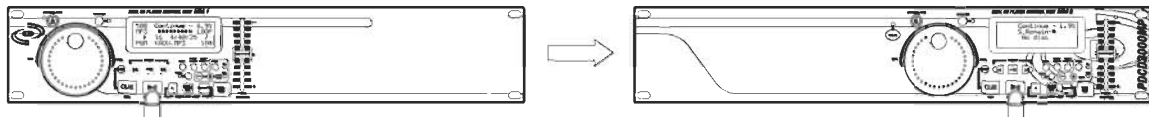
2. SET PROGRAM

- (1) STOP mode → press **PROG** knob → set PROGRAM → press **PROG** knob for 3 second → save cue for recall
- (2) STOP mode → press **PROG** knob → LCD display show " " mark → press **PROG** knob for 3 second → LOAD PROG

MATCHING THE BEATS PER MINUTE

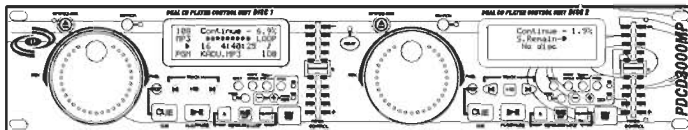
Match the pitch by monitoring the music of both UNIT 1 and UNIT 2 by ear. When the tempo of the music of the selected CD player is slow compared to the tempo of the other player, move the slider to the + side and match the tempo. When fast, move to the - side.

The following description is for matching the pitch of UNIT 2 to the pitch of the music being played on UNIT 1.



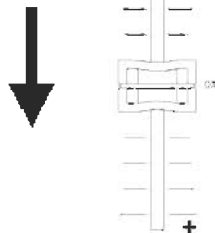
UNIT 1 is playing.

Press PLAY/PAUSE to start UNIT 2.

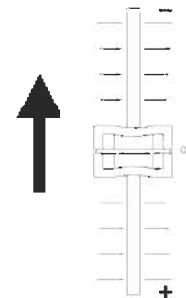


Both CD players are playing discs. Listen to UNIT 2 in your headphones.

When UNIT 2 is slow compared to UNIT 1



When UNIT 2 is fast compared to UNIT 1

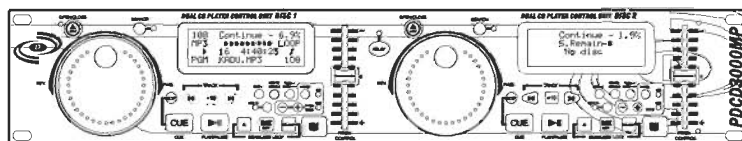


Beat Matching Using Pitch Bend

A description of the procedure for matching the beat of UNIT 1 and UNIT 2 using the PITCH BEND buttons is given below.

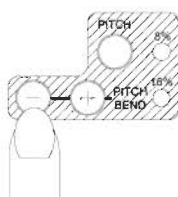
This description is for matching the beat of UNIT 2 to the beat of the music being played on UNIT 1. (This procedure can be done on either Unit).

After Matching the BPM's

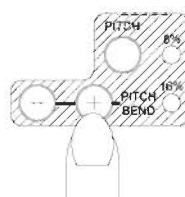


BPM's (Beat Per Minute) are the same, however the bass beats are not matched.

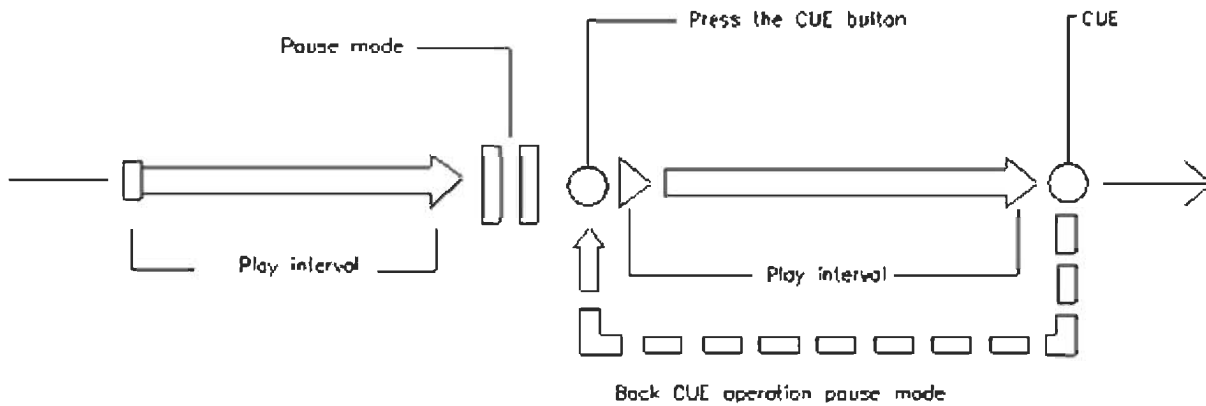
When UNIT 2 is ahead.



When UNIT 2 is behind.



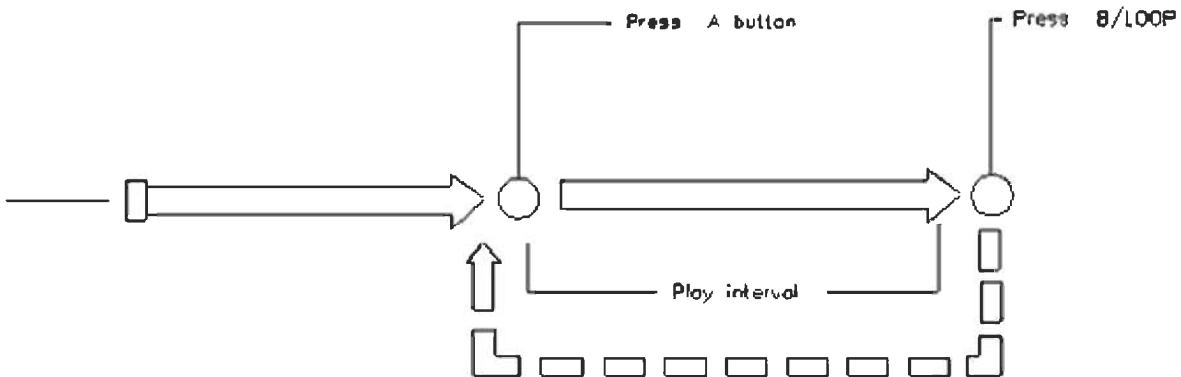
OPERATION OF CUE (WITH PLAY/PAUSE)



1. In pause mode, press CUE button to memorize a point for playing back. This is the "cue point".
2. After "cue point" is memorized, pressing CUE button in play mode will return the music back to the cue point and keep it in pause mode.
3. Press PLAY button again to play from "cue point".

Note: With MP3 disc, the CUE function is inaccurate, and will have little delay in playback

OPERATION OF A AND B/LOOP



1. Set "A POINT" under play mode by pressing A button (this does not interrupt the playback).
2. Press B/LOOP to memorize the ending point of the loop. This is the "B POINT". The LCD will start blinking **LOOP** and the music automatically goes back to "A POINT" and loops between A & B points.
3. While the music loops between A & B, press **B/LOOP** **EXIT** to leave the loop. **LOOP** will remain illuminated on the LCD.
4. Press RELOOP again during playback to return to the loop function.
5. Within play interval, you can change "A POINT" & "B POINT" by pressing A & B/LOOP button under play mode.
6. You can also change the "start point" by pressing A button in pause mode during loop function.
7. The interval between A & B point must be more than 20 frames, or the B point will be canceled the LOOP function will switch off.

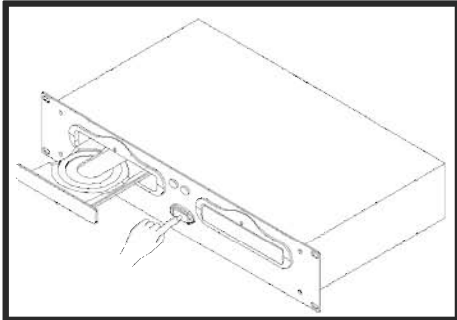
Note: With MP3 disc, the LOOP period can not be set between 2 tracks.

BEFORE SWITCHING ON THE POWER

Be sure every connection is ready before switching on the power

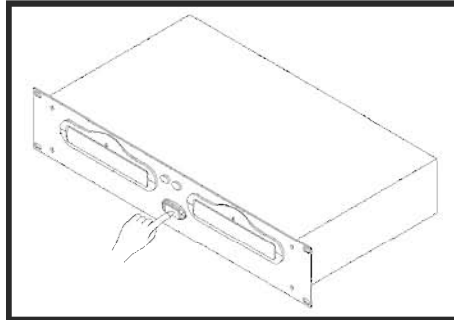
BEFORE SWITCHING OFF THE POWER

When you have finished using the CD player, before switching off the power, ensure that the disc tray has been closed with the OPEN/CLOSE button



Do not switch off the power when the disc holder is open.

POWER OFF



Switch off the power after the disc holder has been closed with the OPEN/CLOSE button.

POWER OFF

TROUBLESHOOTING GUIDE

If difficulties arise with your compact disc player, locate the apparent problem in the left-hand column of the table and follow the corrective action suggested in the right-hand column.

1. Is the compact disc player properly connected to the amplifier?
2. Is the amplifier set for the proper operation?
3. Have the operating instructions for the compact disc player been followed?

Symptom	Possible Cause	Corrective Action
The power fails to switch on when the POWER switch is set to ON	Poor power plug connection at the AC outlet.	Insert the power plug firmly into the AC outlet.
Disc play does not start	The disc is loaded upside down. The disc is too dirty.	Reload the disc with the label side up. Clean the disc.
No sound	Improper output cable connections. Improper amplifier operation.	Connect the output cable properly. Make sure that the amplifier controls are set properly.
Sound skips	The CD player is subject to vibrations or physical shock.	Change the installation location.
Hum	Loose cable connections.	Firmly connect all audio plugs.