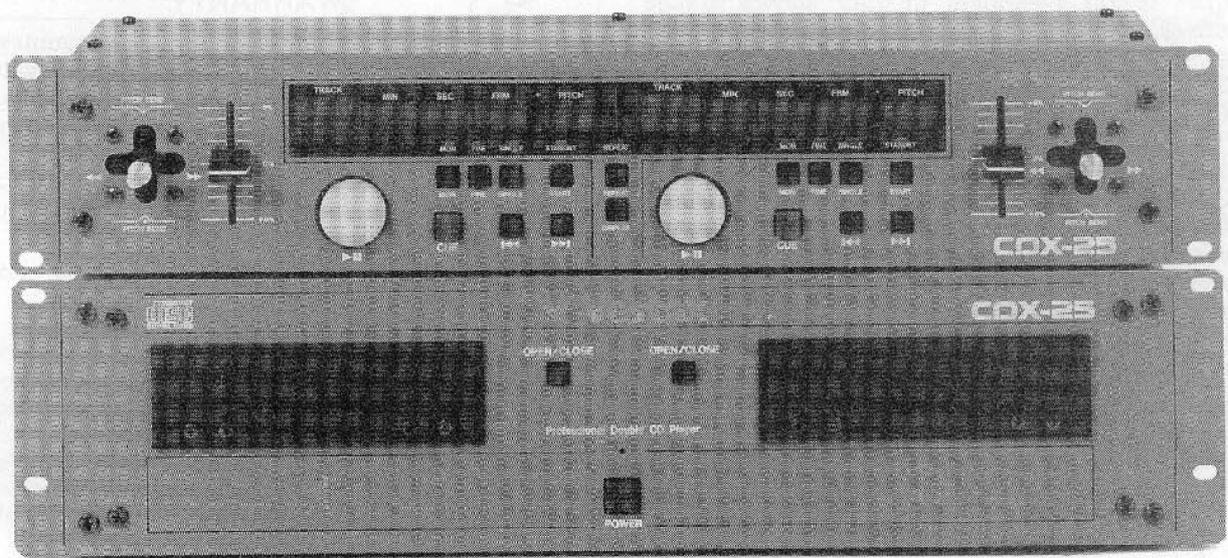




Professional Double CD Player

# CDX-25

OWNER'S MANUAL



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## CONGRATULATIONS!

Thank you for purchasing VESTAX CDX-25, Professional Double CD Player. By adding a CD player to your system, you get many advantages. Many titles are released every month. CD track jump and memory location are also features easily incorporated. However, Hi-Fi and Audio CD players are not good enough for professional DJ use. This CDX-25 is designed with many features for such purpose. Please read this owner's manual carefully before you start to use your CD player, so that you will fully understand all of the special features and enjoy the full use of the product.

### FEATURES

- Mechanism with double suspension system and advanced correction circuit specifically designed to reduce problems in areas high sound pressure levels.
- The CDX-25 allows songs to start within 0.01 seconds which enables re-mixing with ease. A totally new DSP chip gives instant start.
- Stick controller and Pitch Fader with FINE mode makes possible accurate and easy beat matching.
- The super bright 7-segment display shows actual pitch offset, track number, minutes, seconds and frames. It features three display mode such as TRACK REMAIN time, TRACK ELAPSED time and TOTAL REMAIN time.
- The CDX-25 includes a system that will automatically stop (called AUTO STOP mode) if the DJ does not perform for ten minutes. This protects the CD mechanism from over use and lengthens its life. It also has an eject hold switch that prevents the DJ from ejecting the CD by accident.
- Jack connectors are provided for the connection of foot-switches (START and PAUSE function).
- The CDX-PG, optional program unit, allows memory of pitch and other functions, such as a three point locate and looping facility, for any songs on discs. It will also memorize songs to play between discs.
- A slot for optional board is available on rear panel.
- 19" rack mountable high performance dual CD player.

### IMPORTANT

To prevent electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified personnel. Always disconnect all equipment from the main supply when disconnecting/reconnecting signal leads. The power cord should be connected last. Make sure that the power switch is off when connecting. Disconnect from AC supply when equipment is not used for extended time.

### WARRANTY

Warranty might vary from country to country. Each distributor has their own warranty system in accordance with country or state regulations or laws. VESTAX observes the manufacturing country's regulations.

### PRECAUTIONS

- \*Humidity and dust  
Avoid use where there is high humidity and dust which may cause damage to internal parts.
- \*Temperature  
Avoid use in hot, (over 35°C) and cold, (below 5°C) locations. Keep the unit away from extreme direct heat such as direct sunlight, heating radiators, or closed vehicles.
- \*Power cord handling  
Connecting the power cord to other cords or joining cords together can cause fire and electric shock. This is extremely dangerous. Take precaution when handling AC plugs and connectors. Handle only the plug or connector and do not perform these operations with wet hands.
- \*Keep away from liquids  
Do not stand vessel containing liquids on or near the equipment. If liquid enters equipment, disconnect the power cord from the power outlet immediately.

## HOW TO USE THE COMPACT DISC

### 1. HANDLING

When you place or replace the disc into the disc tray, don't touch the disc surface (signal side). Hold the edges of the disc as showing below.



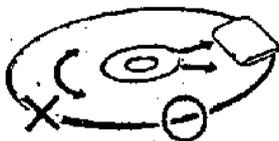
### 2. CRACKED AND/OR WARPED DISC

In play mode, disc is rotating at high speed in the player. Using cracked and/or warped disc causes damage to the player.

### 3. CLEANING

If the disc is damaged by scratches, dirt, fingerprints on its surface (signal side), the data signal becomes weaker. It makes the player malfunction. In that condition, clean the disc. Use a wet soft cloth when you wipe away dirt, and then use the other dry one. When wiping, move a cloth from the inside toward the outside of the disc.

Avoid the use of pesticides near the set, as well wiping the case with benzene, thinner or other solvents.



## CD DIAGNOSTIC FUNCTION

The CDX-25 employs CD diagnostic functions for checking CD that is in good condition. Since CD is set, this CD player is always checking the status of digital signal from CD. If a defect is found, following codes are displayed on controller unit.

· dEFfEc cd 01: Check disc for scratches, dirt, fingerprints on the disc surface. Clean the lens of laser pick-up also.  
· dEFfEc cd 02: Check disc for scratches, dirt, fingerprints on the disc surface towards the inside diameter. Also, mechanism is worn out or is damaged by dust. Please ask local dealer for servicing.

· dEFfEc cd 99: Communication error between Controller unit and Player unit. Check the control cable connection.

## BLANK PASS FUNCTION

The CDX-25 searches non-signal part automatically for skipping to minimize the time lag between starting operation and the beginning of the song, as well as between the songs non-signal interval. These non-signal times may be 3 to 5 seconds in duration. However, in a few cases, on certain discs, the CDX-25 will not skip the entire interval. For those special cases, the user will have to select the starting point by using MONITOR button and STICK CONTROLLER.

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN	
<b>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL</b>		



The lightning flash with arrowhead symbol, 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.



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.

## WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

**CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH BLADE OF PLUG TO WIDE SLOT, FULLY INSERT**

## LASER SAFETY

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

**CAUTION—USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURE OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE**

## IMPORTANT SAFEGUARDS READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

### 1. Read instructions

All the safety and operating instructions should be read before the appliance is operated.

### 2. Retain instructions

The safety and operating instructions should be retained for future reference.

### 3. Heed Warnings

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

### 4. Follow Instructions

All operating and use instructions should be followed.

### 5. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners. Use a damp cloth for cleaning.

### 6. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

### 7. Water and Moisture

Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.

### 8. Accessories

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

### 9. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

### 10. Overloading

Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

### 11. Power sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company.

### 12. Grounding or Polarization

This product is equipped with a polarized alternating current line plug (a plug having one blade wider than other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

### 13. Power Cord Protection

Power supply cords should be routed 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 appliance.

### 14. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions;

a) When the power supply cord or plug is damaged  
b) If liquid has been spilled or objects have fallen into the product.

c) If the product has been exposed to rain or water.  
d) If the product does not operate normally by following the operating instructions. 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.

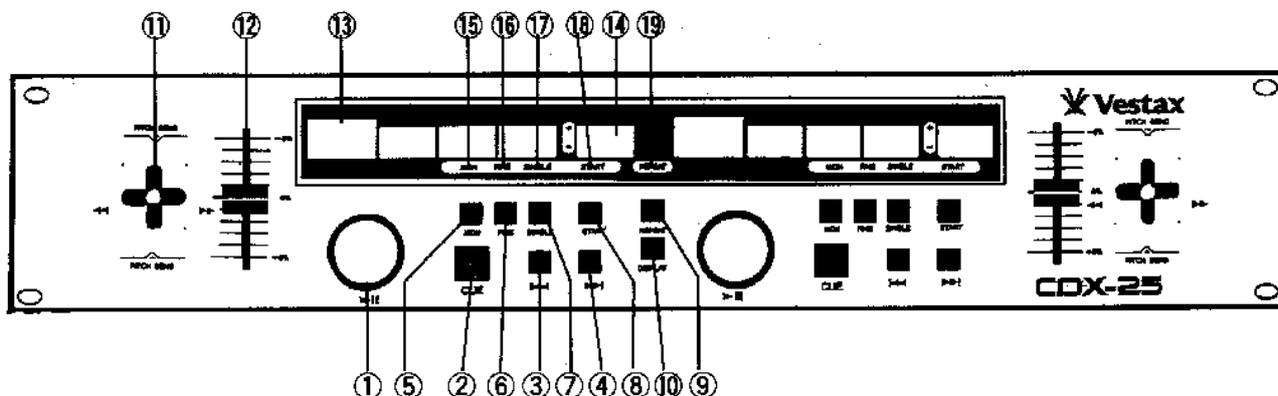
e) If the product has been dropped or the cabinet has been damaged.

### 15. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

## CONTROL AND FUNCTIONS

### CONTROLLER UNIT



### FRONT PANEL

#### ① PLAY/PAUSE BUTTON

Used to start playback of the disc and pause the playback.

#### ② CUE BUTTON

The CDX-25 can memorize and call up the starting point of playback. This is used to cue and start playback at the beginning of any note or phrase within a song.

To use the CUE RETURN function, please refer to "HOW TO USE THE CUE RETURN FUNCTION" in later section of this manual.

#### ③ PREVIOUS (<<) BUTTON

Used for skipping backward to the starting point of the current track (one press). Pressing twice returns to the starting point of the previous track. Pressing additional times will return to the corresponding previous track.

#### ④ NEXT (>>) BUTTON

Used for skipping forward to the starting point of the next track. The number of times pressed determines the number of tracks skipped ahead.

#### ⑤ MONITOR BUTTON

When this button is pressed during PAUSE mode, a repeated sound where the disc is paused will be heard. MONITOR LED (15) is lit when in MONITOR mode. In this mode, searching can be done frame by frame with STICK CONTROLLER (11). MONITOR mode is only released when this button is pressed again. If this release operation is not performed, the playback sound will be affected if STICK CONTROLLER is moved. So, be careful of misoperation.

#### ⑥ FINE BUTTON

Used to switch the pitch adjustment range of PITCH FADER (12) to  $\pm 4\%$ . This FINE mode is useful for fine pitch adjustment. When this button is pressed, FINE LED (16) is lit and current pitch is memorized. To use this mode, please refer to PITCH FADER section. Can be changed to this mode during only playback.

#### ⑦ SINGLE BUTTON

Used to play only current track. When this button is pressed, SINGLE LED (17) is lit. When REPEAT button is pressed also, current track is played repeatedly.

#### ⑧ START BUTTON

If both of Player A and B are in PAUSE mode for ten minutes, the CDX-25 will stop the CD mechanisms for protection from over use. In AUTO STOP mode, TIME DISPLAY (13) shows horizontal bars ("-"), and START LED (18) is blinking. This button is used to restart the CD mechanisms that stopped by AUTO STOP mode. When this button is pressed, it will be paused at same location where the mechanism was stopped.

#### ⑨ REPEAT BUTTON

Used to change to REPEAT mode. When this button is pressed, REPEAT LED (19) is lit. In this mode, the CDX-25, both of A player and B, play whole CD repeatedly. If SINGLE button is pressed also, current track is played repeatedly.

#### ⑩ DISPLAY BUTTON

Used to change the display mode of TRACK NUMBER/TIME DISPLAY (13).

- Track Remain Remaining time of current track
- Total Remain Remaining time of total disc
- Track Elapsed Elapsed (passage) time of current rack

#### ⑪ STICK CONTROLLER

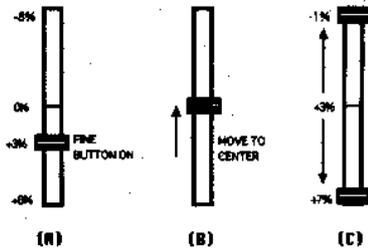
With this STICK CONTROLLER, three functions are controlled.

- 1) Pitch Bend function (stick up:minus, stick down:plus) This stick is moved up or down to momentarily change the pitch speed. When the stick is in the center position, pitch returns to the pitch that is set by PITCH FADER (12). This allows DJ to synchronize or adjust the music tempo smoothly. Current pitch is displayed on PITCH DISPLAY (14).
- 2) Scan function (stick left:backward direction, stick right:forward direction) This stick is moved left or right in PLAY mode to change the playback speed from 4 times to 20 times. It is useful to scan the position.
- 3) Search function (stick left:backward direction, stick right:forward direction) This stick is moved left or right in PAUSE MONITOR mode to search in 1 to 75 frame unit.

\*The data of CD is written with 75 frames per second.

## ⑫ PITCH FADER

Used to adjust the playback pitch (speed) by  $\pm 8\%$  to match the music beat. With FINE button (6), Full stroke of the fader becomes  $\pm 4\%$  from the set pitch. This allows fine adjustment of the music beat up to  $\pm 12\%$ .



Example for using PITCH FADER with FINE button:  
(A) When FINE button is pressed, FINE LED is lit and current pitch (+3%) is memorized.  
(B) Move PITCH FADER to center. The pitch is not changed when PITCH FADER is moved to center. Center position is set as +3%.  
(C) In this case, center position is 3%, top is -1% and bottom is +7%.

## ⑬ TRACK NUMBER/TIME DISPLAY

It displays current track and time. Mode of the time display can be changed by DISPLAY button (10).

## ⑭ PITCH DISPLAY

It displays current pitch by "+/-" LED and numeric(%).

## ⑮ MONITOR LED

This LED is lit in MONITOR mode.

## ⑯ FINE LED

This LED is lit in FINE mode.

## ⑰ SINGLE LED

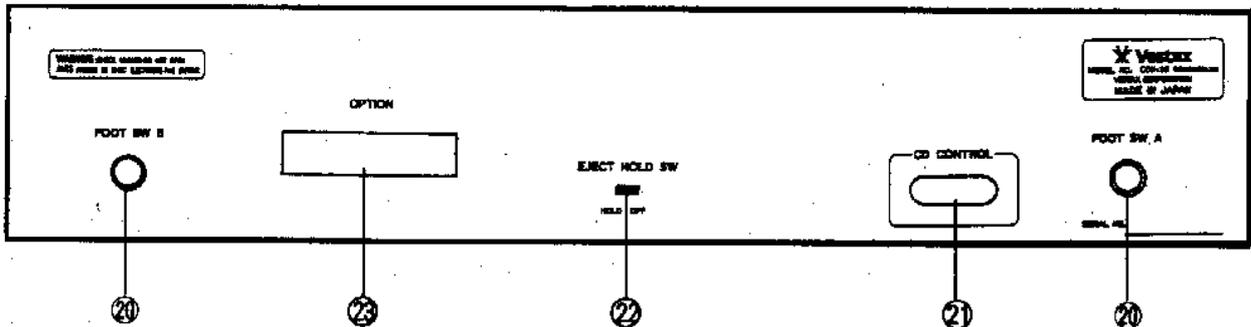
This LED is lit in SINGLE mode.

## ⑱ START LED

This LED is blinked in AUTO STOP mode.

## ⑲ REPEAT LED

This LED is lit in REPEAT mode.



## REAR PANEL

### ⑳ FOOT SWITCH JACK A/B

Jacks for the connection of foot-switches (momentary /normally open type). These foot-switches work as same as START/PAUSE button (1).

### ㉑ CD CONTROL CONNECTOR

A connector for the connection to the Player unit with D-SUB cable that supplied with the unit.

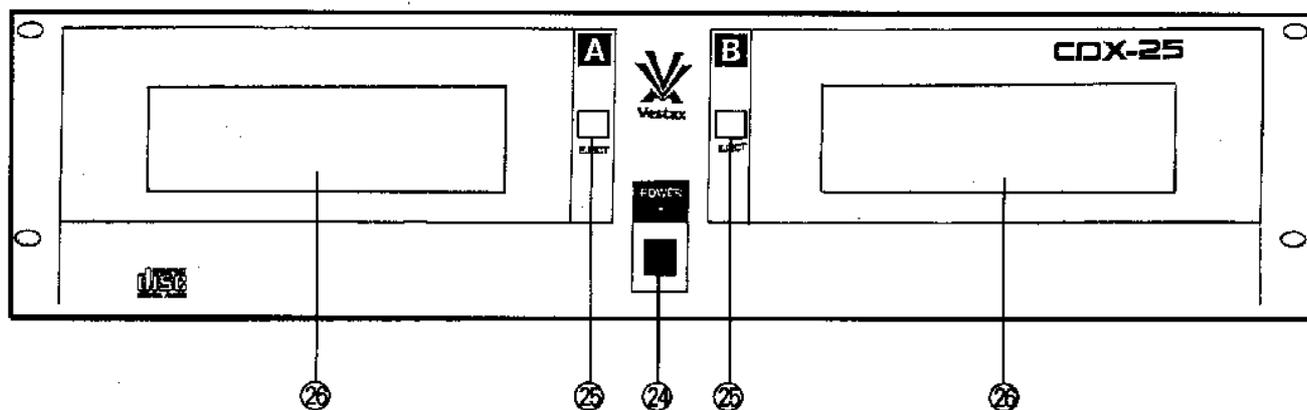
### ㉒ EJECT HOLD SWITCH

When this switch is on, OPEN/CLOSE button (25) will not operate during playback. This prevents the DJ from ejecting the CD by accident.

### ㉓ OPTION SLOT

A slot for optional board. (Additional features)

## PLAYER UNIT



## FRONT PANEL

### 24 POWER SWITCH

When you depress this switch, both Controller unit and Player unit turn on.

### 25 OPEN/CLOSE BUTTON

### 26 DISC TRAY

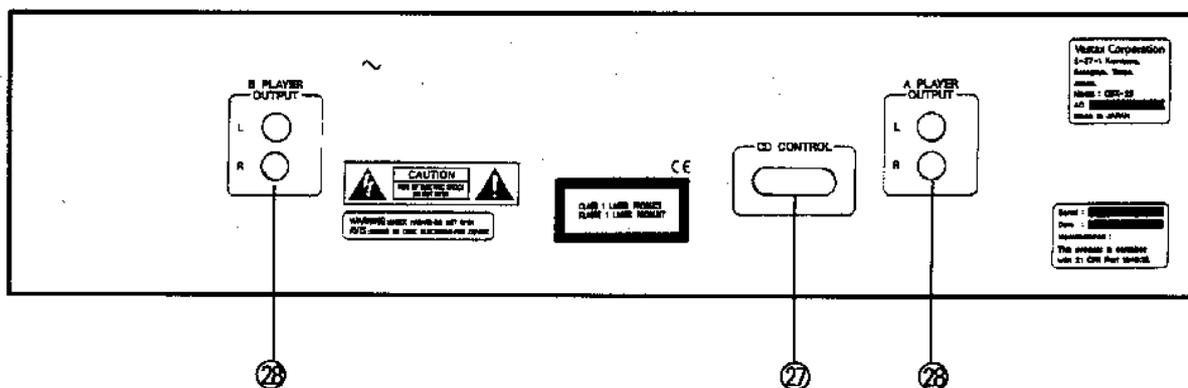
## REAR PANEL

### 27 CD CONTROL CONNECTOR

A connector for the connection to the Controller unit with D-SUB cable that supplied with the unit.

### 28 OUTPUT JACK A/B

Analog audio output jacks. Connect to the input of the DJ mixer or the amplifier.



## OPERATION

### PLAYBACK

1. Depress POWER SWITCH (24) to turn the units on.
2. Press OPEN/CLOSE button (25) to open DISC TRAY (26).
3. Insert the CD (with disc label up) into the tray. Then close the disc tray by pressing OPEN/CLOSE button gain. The CD starts spinning and the laser pick-up reads the disc table of contents and pauses at the beginning of the first track.
4. Press PLAY/PAUSE button (1) to start playback from the first track immediately. Remain time of current track will be shown on the display.
5. Press NEXT button (4) to play next track.
6. Press PLAY/PAUSE button second time to pause playback at any time. Press PLAY/PAUSE button again to restart playback.
7. Press OPEN/CLOSE button after playback ends to remove the disc.

### HOW TO USE "CUE RETURN" function1.

1. With the unit in the PLAY mode, search the song that contains the phrase you intend to use with PREVIOUS (3)/NEXT button (4) and/or STICK CONTROLLER (11).

2. Press PLAY/PAUSE button (1) to pause playback and press MONITOR button (5) to change the unit in PAUSE MONITOR mode. And then scan with STICK CONTROLLER to the selected start (cue) point.
  3. After carefully searching the starting point of the phrase you intend to use by moving STICK CONTROLLER left and right, release PAUSE MONITOR mode by pressing MONITOR button again. And restart playback by pressing PLAY/PAUSE button again. Cue point is memorized at this point. If the point of the phrase was set in incorrect position, repeat the above procedure.
  4. Press CUE button. The unit searches the selected cue point and enters PAUSE mode at that position.
    - \*Memory of the cue point will be lost if any of following are done.
      - a) Turning off the power.
      - b) Opening the disc tray.
- NOTE: After the cue point is memorized, if PAUSE and PLAY are performed before the CUE button is pressed, the last point at which play was performed by PLAY button will be newly memorized. So, be careful with this.

## SPECIFICATIONS

Type : Twin Mechanism Compact Disc Player System  
 Available Disc : Standard Compact Disc 12cm/8cm

#### PLAYER UNIT

Quantization	16bit linear
Sampling Frequency	44.1kHz @ Normal Speed
Error Correcting System	CIRC
Harmonic Distortion	< 0.03%
Frequency Response	10Hz~20kHz
S/N Ratio	> 98dB
WOW-Flutter	Less than measured limit
Channel Separation	> 80dB
Mechanism Mount	Double Shock absorber
Output Level	-10dBV (Unbalanced RCA)
Dimensions(W x H x D)	482 x 116 x 256mm
Weight	8.5kg

#### CONTROLLER UNIT

Display	Track/Min./Sec./Frame/Pitch
Stick Controller	x 4 - x 20 Scan/1 - 75 Frame Search/
Pitch Fader	± 12% Pitch Band
Dimensions(W x H x D)	± 8% / ± 4%
Weight	482 x 94 x 80mm
Total Power Requirement	2.5kg
	115V/230VAC, 25W

#### ACCESSORY

Controller Cable	D-SUB 3.0m
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