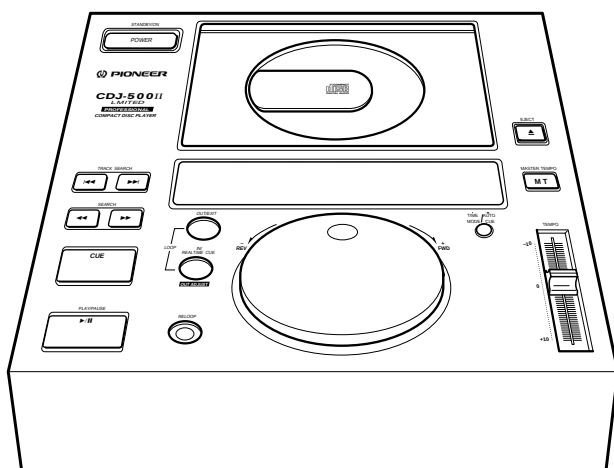


COMPACT DISC PLAYER

CDJ-500II



Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

[For Canadian model]

CAUTION: TO PREVENT ELECTRIC 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 NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

THE POWER SWITCH IS SECONDARY CONNECTED AND THEREFORE DOES NOT SEPARATE THE UNIT FROM MAINS POWER IN STANDBY POSITION.

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IMPORTANT NOTICE:

RECORD THE MODEL NUMBER AND SERIAL NUMBER OF THIS EQUIPMENT BELOW. THE NUMBERS ARE ON THE REAR PANEL.

MODEL NO. CDJ-500II
SERIAL NO. _____

KEEP THESE NUMBERS FOR FUTURE USE.

CAUTION: This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

IMPORTANT



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.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



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.

SAFETY INSTRUCTIONS

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

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

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

FOLLOW INSTRUCTIONS – All operating and use instructions should be followed.

WATER AND MOISTURE – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION – The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING – The appliance should not be mounted to a wall or ceiling.

VENTILATION – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the 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.

HEAT – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

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. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION – If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the 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 the 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.

CLEANING – The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES – An outdoor antenna should be located away from power lines.

NONUSE PERIODS – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE – The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

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

SERVICING – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

OUTDOOR ANTENNA GROUNDING – If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.

In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

CART – An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



NEC – NATIONAL ELECTRIC CODE

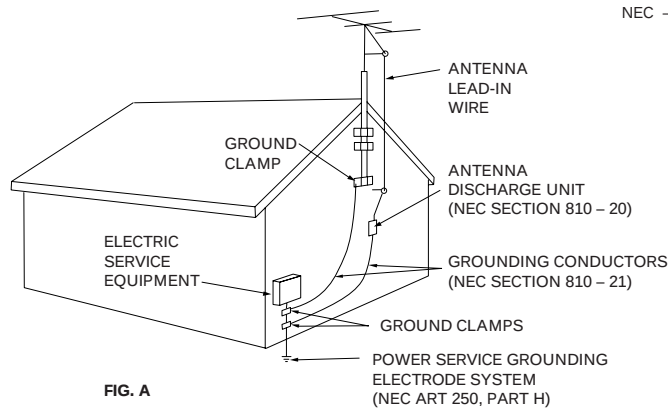


FIG. A

CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

[For Canadian model]

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

[Pour le modèle Canadien]

Cet appareil numérique de la Classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion – and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.



We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Decibel

Level Example

30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet.

THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE

90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.



CAUTIONS REGARDING HANDLING

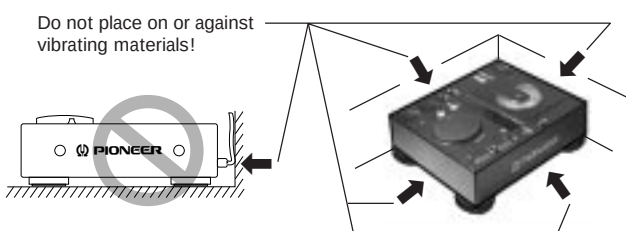
Location

Install the player in a well-ventilated location where it will not be exposed to high temperatures or humidity.

Do not install the player in a location which is exposed to direct rays of the sun, or near stoves or radiators. Excessive heat can adversely affect the cabinet and internal components. Installation of the player in a damp or dusty environment may also result in a malfunction or accident. (Avoid installation near cookers etc., where the player may be exposed to oily smoke, steam or heat.)

Precautions regarding installation

- Placing and using the compact disc player for long periods on heat-generating sources such as amplifiers or near spotlights, etc. will affect performance. Avoid placing the player on heat-generating sources.
- Install this compact disc player as far as possible from tuners and TV sets. A compact disc player installed in close proximity to such equipment, may cause noise or degradation of the picture.
- Such noise may be particularly noticeable when an indoor antenna is used. In such cases, make use of an outdoor antenna, or turn off power to the compact disc player.
- When the unit is used in a loud-sound environment, for example near a speaker, sound skip may occur. In such a case, install the unit apart from the speaker or reduce the listening volume.
- Please place this unit on a level surface and a stable platform.
- Be sure that the player, including its audio and power supply cords, does not touch vibrating materials. This player has a shock absorber incorporated in the insulators to absorb vibration. Any other cause of vibration, other than the insulators, may cause the disc to skip.



Cleaning the player

To clean the PLAYER wipe with a soft, dry cloth. For stubborn dirt, moisten a soft cloth with a weak solution of neutral detergent (diluted in five to six parts water), wring the cloth well, and wipe away the dirt. Also use a dry cloth to wipe the surface dry. Do not use volatile liquids such as benzene and thinner which are harmful to the unit.

Storing discs

- Discs are made of the same kinds of plastic used for conventional analog audio records. Be careful not to allow discs to warp; always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures. Avoid leaving discs in cars, since the seat of a car in direct sunlight can become unbelievably hot.
- Always read and abide by the precautionary notes listed on disc labels.

CD lens cleaner

The player's pickup lens should not become dirty in normal use, but if for some reason it should malfunction due to soiling, contact your nearest PIONEER authorized service center. Lens cleaners for CD players are commercially available, but special care should be exercised in their use since some may cause damage to the lens.

Condensation

When this unit is brought into a warm room from previously cold surroundings or when the room temperature rises sharply, condensation may form inside, and the unit may not be able to attain its full performance. In cases like this, allow the unit to stand for about an hour or raise the room temperature gradually.

Cleaning and handling compact discs

- The presence of fingerprints or smudges on the surface of the disc will not directly affect the recorded signals, but depending on the degree of contamination, the brightness of the light reflected from the signal surfaces may be reduced, causing degradation of sound quality. Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer periphery.



- If a disc becomes very dirty, dip a soft cloth in water, and after wringing it out well, wipe the dirt away gently, and then remove any water drops with another soft, dry cloth.
- Do not use record cleaning sprays or anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents, since damage to the disc surface may result.
- With this player, use discs which display the mark shown below. (Optical audio digital discs.)
- When holding discs, do not touch their signal surfaces. Hold by the edges, or by one edge and the center hole.
- Do not affix gummed labels or tape to the label surfaces. Also, do not scratch or damage the label.
- Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.

COMPACT
disc
DIGITAL AUDIO



POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause a fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

FEATURES

This CD player features the functions and operations of players used in disco halls in addition to the functions of general CD players. This player is made for commercial use in disco halls, etc.

Easy operation

- This player is a top loading type, allowing discs to be changed smoothly.
- The equipped Jog dial and TEMPO control knob can be used like the turntable of an analog record player.
- Buttons used frequently are designed oversized and laid out within easy reach of the right or left hand.

Playback tempo and beat of two selections can be combined easily.

- Playback starts immediately through use of the memory function and DSP (Digital Signal Processor). (*1)
- Playback tempo of two selections can be aligned with the TEMPO control knob (variable range : $\pm 10\%$, stroke : 100 mm/4-inch). And the beat of two selections can be aligned with the Jog dial. (*2)
- By connecting this unit with the optional DJM-500 or DJM-300 DJ mixer, the fader starting or backing up of this unit can be controlled from the channel fader or cross-fader of the mixer.

The mood of a disco hall can be reproduced using digital technology.

- Master tempo function (*3) - Even though the playback tempo is changed with the TEMPO control knob, the pitch of playback can be automatically fixed, and the playback of two selections can be combined smoothly.
- Loop playback function (*4) - A desired passage (less than 10 minutes) can be played back repeatedly and seamlessly.
- Advanced loop function (*5) which allows realtime setting of the loop point during play. The set loop point can be recalled in an instant.
- Cue point monitoring function (*6) which allows monitoring of the set cue point.
- The position being played is displayed by the bargraph display which allows the elapsed or remaining playback time to be read visually.
- The cue point can be set accurately with the frame search function. (1 sec = 75 frames)
- BPM (Beats per Minute) can be adjusted precisely in 0.1% increments by using the speed display.

Pick up protector

When the door is open, a pickup protector is closed to protect the pickup.

Floating structure preventing vibration

This player employs a structure which insulates the unit from shock. Selections can be played without sound skipping regardless of the DJ's rough operation.

(*1) Starting playback immediately

When the CD player is in playback standby (pause) mode, the disc continues to rotate and the pick up jumps back to the same track after every rotation. As a result, the user can switch from pause to playback with a maximum time lag of about 0.3 seconds.

When seamlessly connecting two selections, it is necessary to eliminate the time lag between the tracks and start the second selection immediately after the first one stops playing. To do this, this player memorizes the first 2.1 seconds of the selection so that it can instantaneously start playing when the PLAY/PAUSE button is pressed. After the first 2.1-second time period is played, the player uses its link memory function to continue the selection by seamlessly connecting the playback data with the end of the memorized data (playback is carried out through memory). With this operation, it is possible to start playback within 0.01 seconds after pressing the PLAY/PAUSE button.

Moreover, this function can be used not only at the start of a selection but at any point where you want the playback to begin through use of the auto cue function.

(*2) Beat search operation using the Jog dial

When two selections are combined, the Jog dial is used to align the BPM and rhythm (speed and timing) between the two selections. After playback tempo is aligned with the TEMPO control knob, turn the Jog dial clockwise. The tempo of playback increases up to +12.7%. Turning counterclockwise decreases the tempo down to -12.7%. When the Jog dial is released, the tempo returns to the setting of the TEMPO control knob. Through this operation, the beat of playback can be aligned.

(*3) Master tempo function

Playback speed can be changed $\pm 10\%$ in 0.1% increments with the TEMPO control knob. But the pitch of playback also changes, and vocals become unnatural. When the master tempo function is set to ON, the key control is processed by the DSP, and the pitch of playback is converted to the original pitch. Even if the tempo is changed with the TEMPO control knob, the pitch of playback is never changed.

(*4) Loop playback function

Using a single CD player, this function lets you perform a "break beat" action similar to when a DJ uses two turntables to repeatedly play the same phrase. Normally when using a single player there is a search time lag between when the phrase ends and when the start of the phrase begins playing again. To eliminate this lag, this player memorizes the first 2.1 seconds of the loop playback data ahead of time and plays this data while the player searches for the start point, then seamlessly connects the playback sound with the memorized sound to continue the phrase, realizing a true loop playback function with no time lag.

(*5) Advanced loop function

When the loop play function is used, the advanced loop function allows you to designate the loop start point during play. By designating the loop end point after it, repeated playback of the specified section without sound interruption can be started. A RELOOP button is provided so that loop playback using the specified loop section can be started in an instant.

(*6) Cue point monitoring function

During instantaneous start standby after the cue point has been stored in memory, pressing and holding the button allows you to listen to the music starting from the cue point. When the button is released, the player returns to the cue point and pauses there.

CONNECTIONS

- Before making or changing the connections, switch off the power switch and disconnect the power cord from the AC outlet.

AUDIO OUTPUT CONNECTION

Connect the AUDIO OUT jacks of this player to the input jacks (LINE INPUT) of the DJ mixer (or the stereo amplifier). Make sure that the white plugs are connected to the left (L) jacks and the red plugs to the right (R) jacks.

- Be sure not to connect this player to the DJ mixer's MIC jacks, as the sound will be distorted and will not be reproduced properly.

CONTROL JACK CONNECTIONS

Connect both CONTROL jacks of two players with a provided control cable. By connecting two players, continuous playback on both players can be carried out alternately. (see p.13)

By connecting the optional DJM-500 or DJM-300 DJ mixer to the CONTROL jack of this unit, the fader starting or back cueing of this unit can be controlled from the audio mixer. For the connection and operation, read the operating instructions of the DJM-500 or DJM-300 DJ mixer.

POWER CORD CONNECTIONS

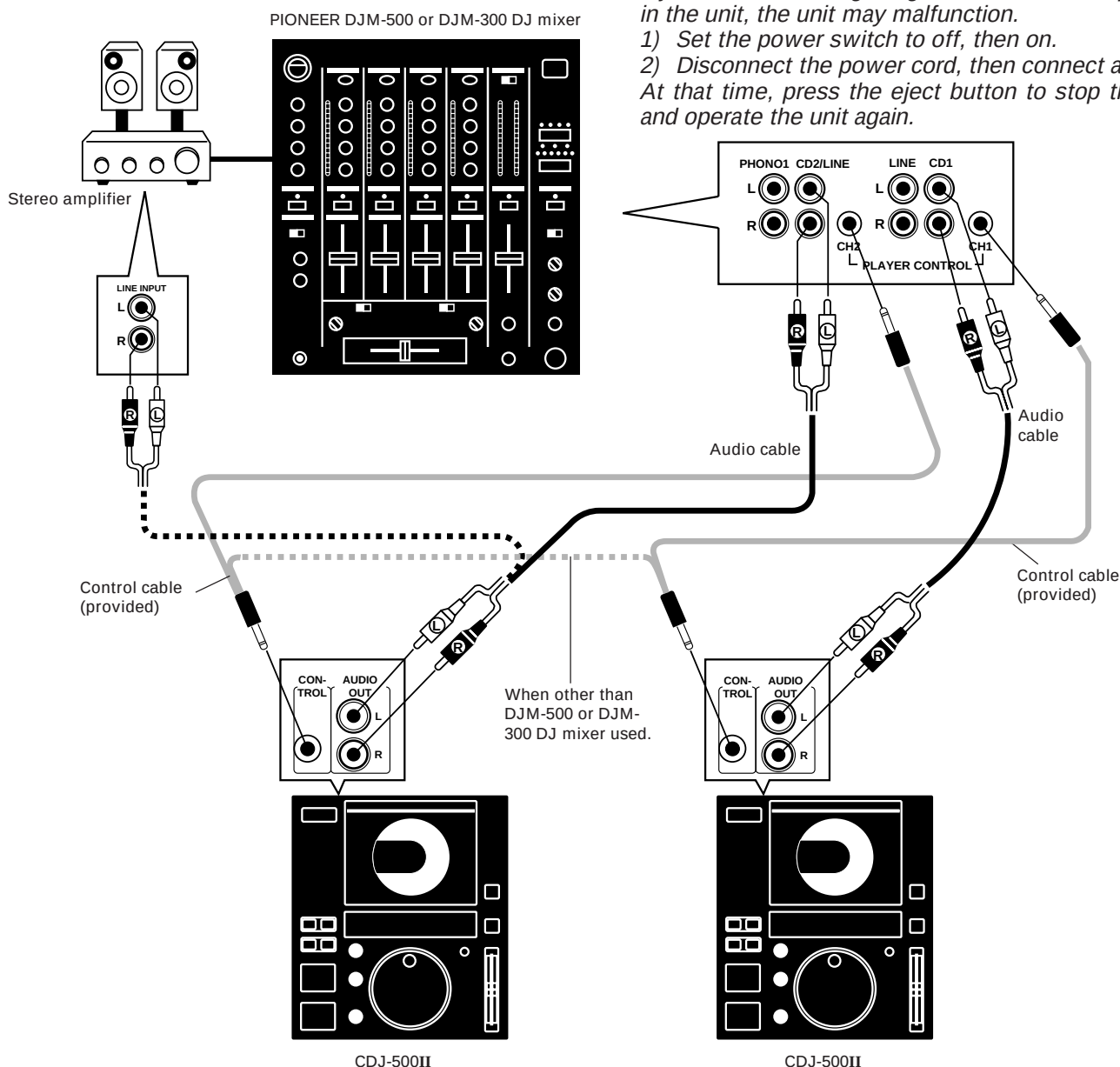
Connect the power cord to a household AC wall outlet or an AC outlet on your amplifier.

- Make sure plugs are inserted fully into the jacks and wall outlet.

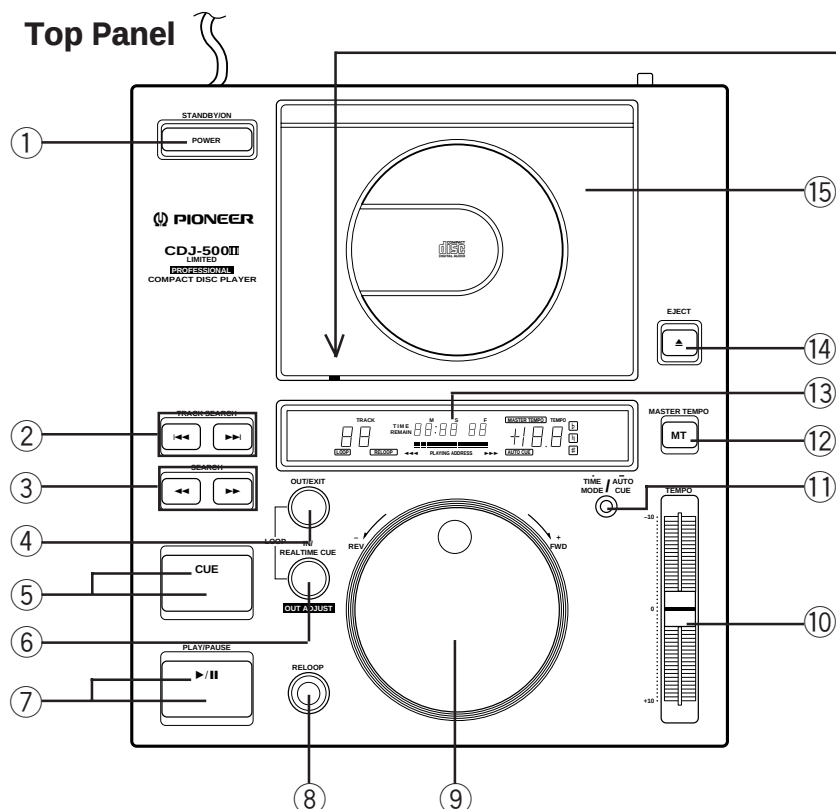
Note

If you do the following things when the disc is spinning in the unit, the unit may malfunction.

- 1) Set the power switch to off, then on.
 - 2) Disconnect the power cord, then connect again.
- At that time, press the eject button to stop the disc and operate the unit again.



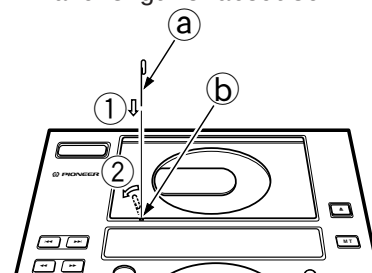
PANEL FACILITIES



Forced ejection hole

In case the door cannot be opened by pressing the eject button due to a certain reason, this unit is provided with a mechanism for opening the door manually.

1. Unplug the power cord from the power outlet.
2. Fabricate a key **a** using a clip (or any metallic wire with a diameter of about 1 mm and length of about 50 mm).



3. Insert key **a** straight into hole **b** shown in the illustration **1**.
4. Turn key **a** to the left **2**.

① POWER STANDBY/ON switch

This is the switch for electric power.

ON: When set to the ON position, the power is supplied and the player becomes operational.

STANDBY: When set to the STANDBY position, the main power flow is cut and the player is no longer fully operational. A minute flow of power feeds the player to maintain operation readiness.

② TRACK SEARCH buttons (◀◀, ▶▶)

Each time the button is pressed, playback advances or reverses to the beginning of the track.

③ SEARCH buttons (◀, ▶)

While the button is kept pressed, playback rapidly advances or reverses toward the end or beginning of the disc.

④ LOOP OUT/EXIT button

When this button is pressed during playback while the cue point has already been stored in memory or the loop-in point (start point) has already been set, the current position is designated as the out point (end point) and loop playback (repeated playback without sound interruption) starts. The button blinks during the loop playback.

When this button is pressed during loop playback, loop playback is canceled and normal playback continues.

⑤ CUE button/indicator

Three functions are available.

[Cue Point Memory]

When this button is pressed in pause mode, the player memorizes that point. You can start immediate playback from that point (Playback standby mode). The player enters playback standby mode.

When the new cue point is memorized, the last stored cue point is cleared.

[Back Cue]

When this button is pressed in playback mode, the sound is muted and playback is paused at the cue point.

[Cue Point Monitor]

When this button is pressed after back cue or during standby at the cue point, the sound can be heard from the cue point while the button is kept pressed.

When the CUE point is memorized, the CUE indicator lights up. When the player enters pause mode to write the new cue point, the CUE indicator blinks.

PANEL FACILITIES

⑥ LOOP IN/REALTIME CUE/OUT ADJUST button

Press to designate the in point (start point) of loop playback.

When the sampling of the loop-in point completes (in about 2 sec.), the button stops blinking and starts to light steadily. At this moment, a new cue point is stored in memory and the previous cue point is cleared. The button blinks during loop playback.

Pressing the button during loop play initiates the loop-out point adjustment mode. The loop-out point can be adjusted by rotating the jog dial or pressing a SEARCH button (◀◀, ▶▶). The button blinks at a high speed in the loop-out point adjustment mode.

⑦ PLAY/PAUSE button/indicator (▶/⏸)

Each time this button is pressed, the player switches between playback mode and pause mode. The ▶/⏸ indicator lights during playback, and blinks in pause mode.

- When the unit has not been operated for 80 minutes or more in pause mode, the disc rotation stops automatically. In this condition, playback can be resumed by pressing the PLAY/PAUSE button.

⑧ RELOOP button

When this button is pressed during playback, loop playback of the previously set loop starts. The RELOOP indicator in the display window lights up during loop standby or loop playback.

When this button is pressed during loop playback, loop playback is canceled and normal playback continues.

⑨ Jog dial (+ FWD/– REV)

Five functions are available.

[Beat Search operation]

When the Jog dial is slowly rotated in playback mode, the playback tempo changes according to the rotating speed of the Jog dial. When rotating the Jog dial clockwise, the playback tempo becomes faster. When rotating the Jog dial counterclockwise the playback tempo becomes slower.

[Multi-Speed Search operation]

When the Jog dial is rapidly rotated in playback mode, playback advances or reverses while the sound is output. Rotate the Jog dial clockwise for fast-forward operation. Rotate the Jog dial counterclockwise for fast-reverse operation. The searching speed changes according to the rotated speed of the Jog dial.

[Frame Search operation]

Press PLAY/PAUSE during playback, and rotate the Jog dial in pause mode. Frame search can be carried out in 1 frame increments (1 second is equal to 75 frames).

[Cue point adjustment]

Press a SEARCH button (◀◀, ▶▶) during cue standby initiates the sound-audible pause mode. Rotate the jog dial to move the cue point and press the CUE button to set it as the new cue point.

[Loop-out point adjustment during loop play]

Press the LOOP IN/REAL TIME CUE/OUT ADJUST button during loop play to initiate the loop-out point adjustment mode, in which the loop-out point can be moved by rotating the jog dial.

⑩ TEMPO control knob

The playback tempo can be changed with this knob. The center clicked position is for normal playback tempo. If the knob is moved toward you (+ side), the music tempo will become faster. If the knob is moved away from you (– side), the music tempo will become slower.

⑪ TIME MODE/AUTO CUE button

Two functions are available.

[Switching the time display]

Each time this button is pressed, the time display changes between the elapsed playback time of the track (TIME) and the remaining playback time of the track (REMAIN).

[Switching ON/OFF of the Auto Cue function]

When this button is kept pressed for more than 1 second, the Auto Cue function (*1) is set to ON or OFF. When the Auto Cue function is set to ON, the AUTO CUE indicator in the display window lights up.

(*1) Auto Cue function: When a disc is loaded or track search is carried out, the player memorizes the cue point at which the sound is output.

⑫ MASTER TEMPO button (M T)

Each time this button is pressed, the MASTER TEMPO function (*2) is set to ON or OFF. When the MASTER TEMPO function is set to ON, the MASTER TEMPO indicator in the display window lights.

(*2) MASTER TEMPO function: Even though the playback tempo is changed with the TEMPO control knob, the playback pitch is kept fixed.

⑬ Display window

Refer to page 9 for details.

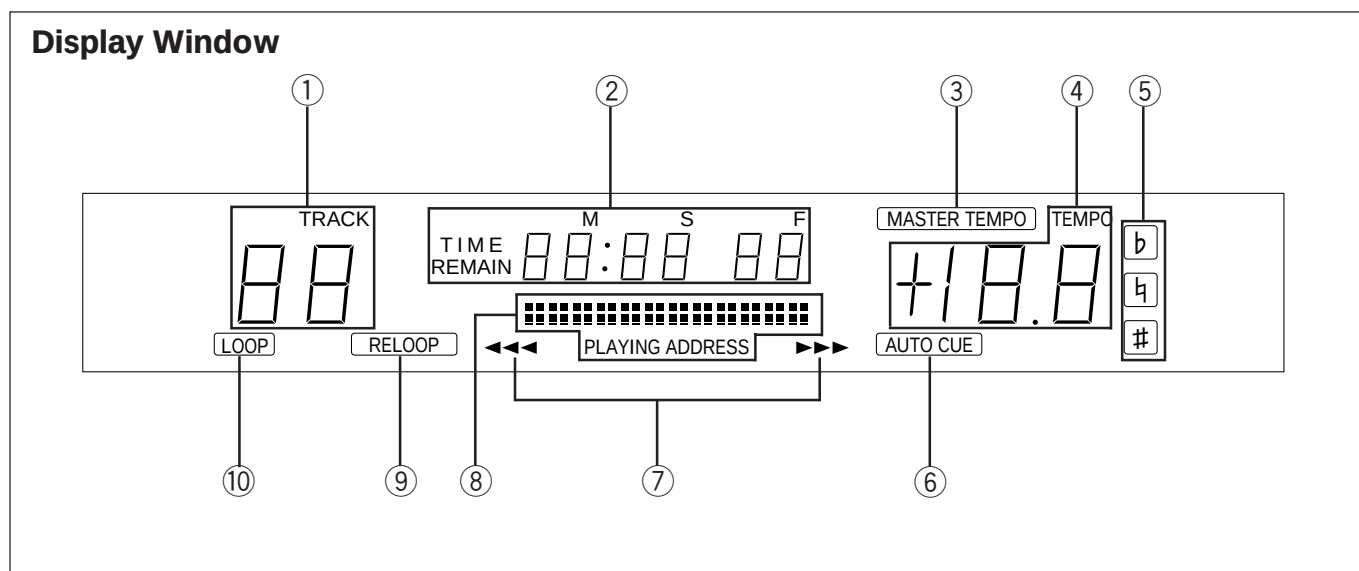
⑭ EJECT button (▲)

Press this button to open the disc compartment door.

- When pressed during playback, the disc rotation stops then the door opens.

⑮ Disc compartment door

Press the EJECT button to open the door. To close the door, push the door in.



① TRACK number display

The track number being played is displayed.

② Time display (TIME/REMAIN)

The elapsed playback time of the track being played (TIME) or remaining playback time of the track being played (REMAIN) is displayed in minutes (M), seconds (S), or frames (F).

③ MASTER TEMPO indicator

This indicator lights up when the MASTER TEMPO function is carried out.

④ Playback tempo (TEMPO) display

The playback tempo being adjusted with the TEMPO control knob is displayed (up to $\pm 10\%$ in steps of 0.1%).

⑤ Pitch indicator (b, 1/2, #)

b: The pitch of playback is decreased.

1/2: Normal pitch of playback

#: The pitch of playback is increased.

⑥ AUTO CUE indicator

This indicator lights up when the AUTO CUE function is carried out.

⑦ Jog dial operation indicator (◀◀◀ / ▶▶▶)

The indicator lights according to the rotating direction or speed of the Jog dial.

⑧ Playback address display (PLAYING ADDRESS)

The elapsed playback time or remaining playback time of the track being played is roughly indicated with the full-scaled bar graph.

- When no disc is in the disc compartment goes off
- When displaying the elapsed playback time lights up from the left side
- When displaying the remaining playback time goes off from the left side
- When the remaining playback time is less than 30 seconds blinks

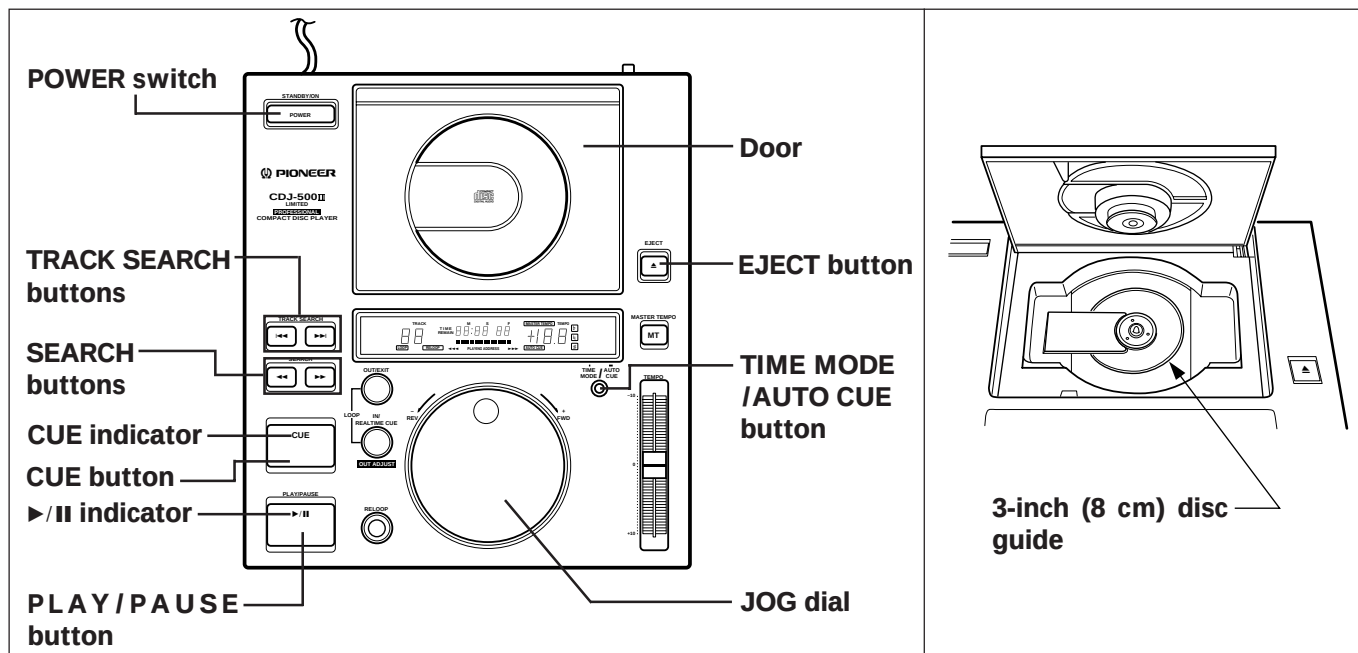
⑨ RELOOP indicator

This indicator lights up when loop playback is possible, with the loop-in point (start point) and loop-out point (end point) stored in memory.

⑩ LOOP indicator

This indicator lights during loop playback.

BASIC OPERATION



Basic playback operation

This is the basic operation without the auto cue function. (The AUTO CUE indicator in the display window goes off.)

1 Press the EJECT button.

2 Load a disc.

- Place a disc to be centered correctly in the disc compartment with the label side up. With the 3-inch (8 cm) disc, place a disc in the groove of the 3-inch (8 cm) disc guide correctly.
- Do not place more than one disc in the disc compartment.

3 Push the door in to close.

- Playback will automatically start from the first selection.
- When the auto cue function is set to OFF, playback continues even when the first track is finished playing.
- Playback stops when the last track is finished playing back.

To stop playback

Press the EJECT button. Playback stops and the door is opened.

To pause playback temporarily

Press PLAY/PAUSE during playback. The >|| indicator and the CUE indicator blink, and playback is paused. Press PLAY/PAUSE again to resume playback. The >|| indicator lights up. The sound is intermittently output even in pause mode. If the sound is not desired, reduce the output level with the audio mixer.

To search for a particular track

[Using the TRACK SEARCH buttons (◀◀, ▶▶)]

Each time ▶▶ or ◀◀ is pressed, playback advances or reverses to the beginning of the track.

- While the button is kept pressed, playback advances or reverses to successive or earlier tracks. When the button is kept pressed for more than 2 seconds, the searching speed becomes faster.
- When ◀◀ is pressed at the beginning of the first track on the disc (track No. 1), the last track on the disc is searched for.
- When ▶▶ is pressed at the last track on the disc, the beginning of the first track on the disc (track No. 1) is searched for.

When the auto cue function is ON, the player stands by for playback immediately before the track; playback can be started by pressing the PLAY/PAUSE button.

To search for a particular frame

[Using the Jog dial]

Press PLAY/PAUSE during playback, and rotate the Jog dial in pause mode.

- Rotating the jog dial clockwise initiates search in the forward direction and rotating it counterclockwise initiates search in the reverse direction.
- One rotation of the jog dial searches by 75 frames.
- The audio of normal playback can be heard when the jog dial is rotated at a speed between 0.8 and 1.2 revolutions per second (rps).

[Using the SEARCH buttons (◀◀, ▶▶)]

Press the SEARCH buttons (◀◀ or ▶▶) in pause mode moves in the specified direction by one frame per press.

To search for a particular passage

[Using the SEARCH buttons (◀◀, ▶▶)]

While ▶▶ is kept pressed, playback rapidly advances toward the end of the disc. While ◀◀ is kept pressed, playback rapidly reverses toward the beginning of the disc.

[Using the Jog dial]

If the Jog dial is rotated more than 2 rps in playback mode, playback advances or reverses with the sound.

Switching ON/OFF of the Auto Cue function

When the TIME MODE/AUTO CUE button is kept pressed for more than 1 second, the Auto Cue function is set to ON or OFF.

When the Auto Cue function is set to ON, the AUTO CUE indicator in the display window lights up.

Playback operation using the auto cue function

1 Press the EJECT button.

2 Load a disc.

- Place a disc correctly centered in the disc compartment with the label side up. With a 3-inch (8 cm) disc, place the disc in the groove of the 3-inch (8 cm) disc guide correctly.
- Do not place more than one disc in the disc compartment.

3 Push the door in to close.

4 Press the PLAY/PAUSE button.

- Press the PLAY/PAUSE button after the CUE indicator lights.

- When the selection is finished playing, the player searches for the beginning of the next selection to be played. The CUE indicator lights up and the ►/|| indicator blinks, and the player enters playback standby mode.

The next selection is played immediately by pressing the PLAY/PAUSE button.

APPLICATION OPERATION

The setting of the cue point

If the cue point is memorized in the player, the player enters playback standby mode at the cue point by pressing the CUE button.

- 1 During playback, search for the cue point while listening to the playback sound by pressing the SEARCH buttons (◀◀, ▶▶) or while watching the PLAYING ADDRESS display in the display window.

Press PLAY/PAUSE so that the player enters pause mode.

- 2 Rotate the Jog dial slowly to search for the desired point precisely.

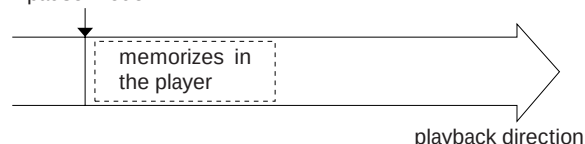
- To set the cue point while listening to the playback sound, release the Jog dial when the desired sound is heard and return to the point just before the desired point. (The point just behind where the Jog dial was released is set as the cue point.)

- 3 Press the CUE button when the frame number or playback has reached the desired point.

- Cue point memory is completed when the playback is muted and the CUE indicator lights up.
- The last stored cue point is cleared when a new cue point is memorized.

● To set the cue point

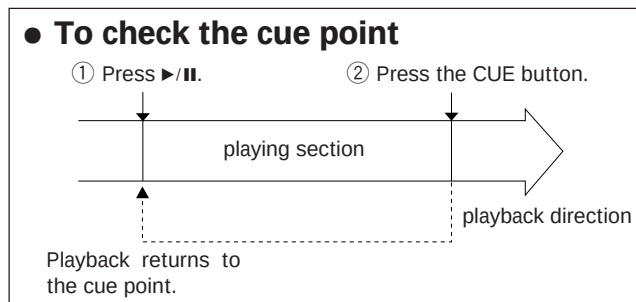
Press the CUE button in pause mode.



APPLICATION OPERATION

■ Checking the cue point

- To check the cue point, press the CUE button after the cue point is memorized. The cue point is played while the button is kept pressed.
The PLAY/PAUSE button can also be used to check the cue point. After checking the cue point with PLAY/PAUSE, press the CUE button to return the playback to the cue point.



■ Correcting the cue point

- Press the SEARCH button (◀◀ or ▶▶) during standby at the cue point to initiate the cue point correction mode.
- Rotate the jog dial in the correction mode to move the cue point accordingly. Pressing the SEARCH button (◀◀ or ▶▶) in the same mode moves the cue point in the specified direction by one frame per press. After moving to the desired position, press the CUE button to set it as the new cue point.
- A cue point can also be set by pressing the LOOP IN/REALTIME CUE button in play or pause mode. The point where the button is pressed becomes the new cue point.

Loop playback

A specified section is played repeatedly without interval. The playing time should be less than 10 minutes.

1 Set the cue point at the starting point of the loop playback.

(See "The setting of the cue point".)

[Setting the loop-in point while continuing playback]

During playback, press the LOOP IN/REALTIME CUE button. Now the position where the button was pressed is set as the loop-in point.

2 Press the PLAY/PAUSE button to start playback, and then press the LOOP OUT/EXIT button at the end point.

- During loop playback, the LOOP IN/REALTIME CUE button and the LOOP OUT/EXIT button blink and the LOOP indicator in the display window lights. The section from the cue point (loop-in point) at which the LOOP OUT/EXIT button was pressed is played repeatedly without interval.

[To set the end point of the loop playback precisely]

When playback is near the desired point in step 2, press PLAY/PAUSE to enter pause mode. Rotate the Jog dial to reach the end point (loop-out point), and then press the LOOP OUT/EXIT button.

- When the CUE button is pressed during loop play, the play position returns to the loop-in point (= cue point) and the unit stands by there. In this period, the LOOP IN and LOOP OUT buttons blink at a slower speed than during loop play.
- It is not possible to set the loop-out point at a position before the loop-in point.

[To change the loop-out point]

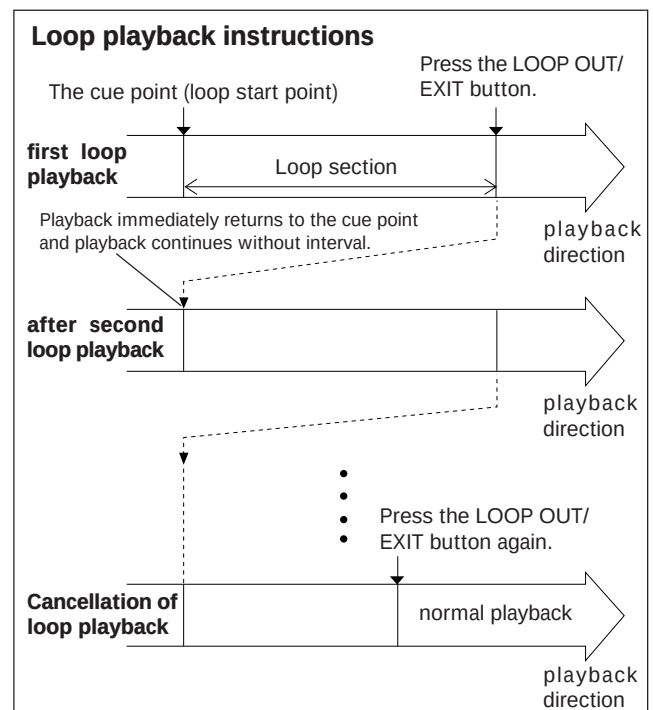
Press the LOOP IN/REAL TIME CUE/OUT ADJUST button during loop play to initiate the loop-out point adjustment mode, in which the loop-out point can be moved by rotating the jog dial or pressing a SEARCH button (◀◀ or ▶▶). The loop-out point can be moved by one frame per step. Press the LOOP IN/REAL TIME CUE/OUT ADJUST button again or leave the unit for 30 seconds to quit the adjustment mode (and return to the loop play).

- In the loop-out point adjustment mode, the LOOP OUT/EXIT button is turned off.
- In the loop-out point adjustment mode, the LOOP IN/REAL TIME CUE/OUT ADJUST button blinks at a high speed.

To stop the loop playback

Press the LOOP OUT/EXIT button or RELOOP button during loop playback.

- The LOOP IN/REALTIME CUE button and the LOOP OUT/EXIT button lights up steadily, and the LOOP indicator in the display window goes off. Even when playback reaches the end point of the loop playback, playback continues without returning to the cue point (playback starting point).



Restarting Loop Playback

Even after loop playback, the loop-in point (start point) and loop-out point (end point) remain in the memory. Loop playback can be restarted provided that the RELOOP indicator in the display window is lit.

- While the RELOOP indicator is lit, press the RELOOP button during playback. Loop playback (repeated playback without sound interruption) between the previously-set start and end points starts.
- When the RELOOP button is pressed during loop playback, the LOOP indicator in the display window goes out and playback continues without returning to the cue point (start point) even when the loop-out point comes.
- The reloop operation is possible in the range between about 10 minutes before and after the loop start point.

To combine the selections using two players

[To align the tempo of playback between two selections]

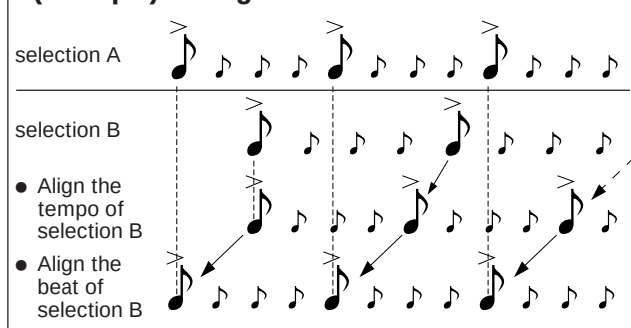
- 1 Start playback with two players.**
- 2 Align the tempo of playback with the TEMPO control knob on one of the players.**
 - If the effect of the BPM (Beats Per Minute) or playback tempo of the selection is known beforehand, aligning the tempo can be carried out rapidly and precisely by observing the TEMPO display in the display window.
 - Set the knob to the center clicked position for original playback tempo.
 - If the master tempo function is set to ON (The MASTER TEMPO indicator in the display window lights up.), the pitch of selections will not be changed in spite of adjusting the tempo. Combining of the selections can be carried out smoothly.

[To align the beat between two selections]

Combining of two selections becomes unnatural if the beat of each selection is different even when they have the same playback tempo. The beat search function aligns the beat of two selections.

- 1 Start playback of two players with the same tempo.**
- 2 Rotate the Jog dial on one of the players slowly to align the beat.**
 - Slowly rotate the Jog dial clockwise. The tempo of playback becomes faster. Release the Jog dial when the beat of two selections are aligned. The tempo of playback returns to the tempo which was previously adjusted with the TEMPO control knob, and playback continues with the aligned beat.
 - Slowly rotate the Jog dial counterclockwise. The tempo of playback becomes slower. Release the Jog dial when the beat of two selections are aligned. The tempo of playback returns to the tempo which was previously adjusted with the TEMPO control knob, and playback continues with the aligned beat.

(example) To align selection B to selection A



Relay playback using two players

By connecting the CONTROL jacks on two players, when playback finishes on one player, playback starts on the other player. The desired selections are played successively by changing discs and searching for the selections.

- Connect the AUDIO OUT jacks on two players to the LINE INPUT jacks on the audio mixer. Connect the CONTROL jacks on the two players with a provided control cable.
- Set the auto cue functions of the two players to ON. (The AUTO CUE indicator lights.)
- Set the fader control on the DJ mixer to the center position.

- 1 Start playback on one player.**
- 2 Load a disc in the other player. Select the next played selection with the TRACK SEARCH button (or set the optional cue point to enter cue standby mode).**
 - When playback is finished on one player, playback starts automatically on the other player and the player played first enters pause mode at the beginning of the next selection. In this way, playback can be carried out alternately with two players.
 - Changing the disc (and selecting the selection) during playback on the other player allows you to play back desired selections successively.
 - If the cue point is set during playback on the other player (see "The setting of the cue point"), relay playback starts from the cue point.

NOTE:

Unless the AUDIO OUT jacks of two players are connected to the LINE INPUT jacks of the same audio mixer or stereo amplifier, relay playback cannot be performed properly.

If the power of the player being played is turned off, another player in the standby mode may start playback automatically.

APPLICATION OPERATION

Controlling This Unit from a DJ Mixer

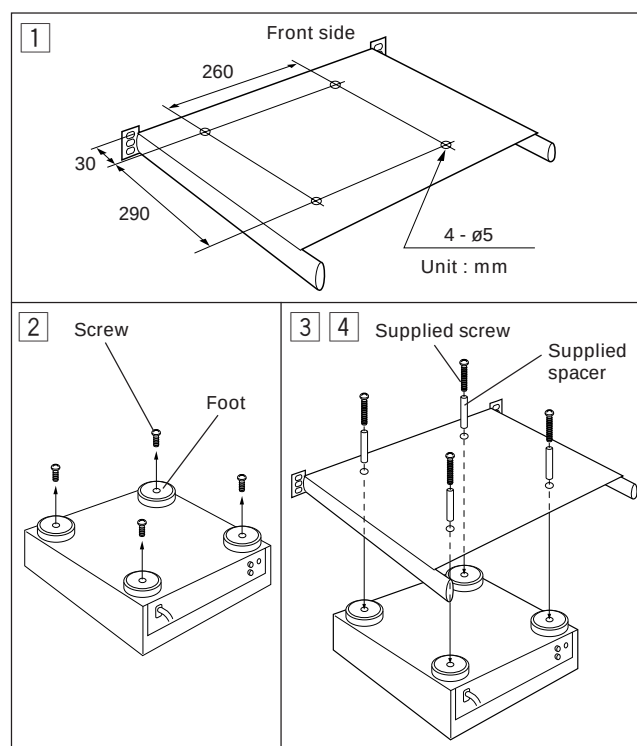
By connecting the CONTROL jack of this unit with the CONTROL jack of the optional DJM-500 or DJM-300 DJ mixer, the fader starting or back cueing of the player can be controlled from the channel fader or cross-fader of the mixer.

For the connection and operation, read the operating instructions of the DJM-500 or DJM-300 DJ mixer.

MOUNTING RACK

- When using a commercially available 19-inch standard rack (EIA) with a sliding shelf, use the supplied screws and spacers for mounting the player to the sliding shelf. The player's installation surface board of the sliding shelf should be 1.6 mm ~ 2 mm thick.

- 1 Make 4 holes in the commercially available sliding shelf.
- 2 Place the player with top panel down and remove the screws of the foot. (Retain all screws.)
- 3 Put the sliding shelf on the player with the front panel of the player and the front side of the sliding shelf aligned.
- 4 Fix the sliding shelf to the player with the supplied screws and spacers.

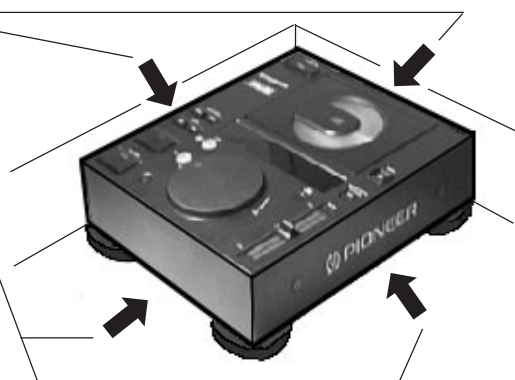
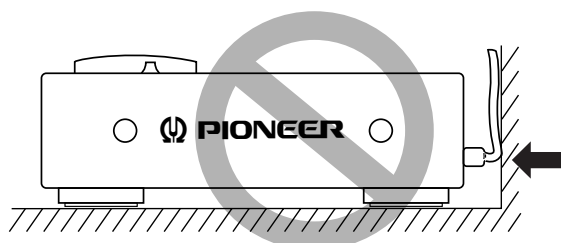


Caution for use of carrying case

When the CDJ-500II is used in a carrying case, be careful for the following:

- During playback, use care so that the transportation cushions do not contact the player, power cord or audio cord; if vibration is transmitted through other part than the feet of the product, sound skip may occur.

Also be careful not to touch the carrying case during playback.



TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used.

If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Cause	Remedy
Door is not expelled when EJECT is pressed.	Power plug is disconnected from outlet.	Connect plug to wall outlet.
When playback is started, it stops immediately. Pauses or stops during playback.	- Disc is loaded upside down. - Smudges on the disc, etc.	- Load the disc correctly with the label side UP. - Clean the smudges from the disc and then play it again.
No sound	- Output cables are connected incorrectly or loosely. - Incorrect operation of audio mixer. - Pin plugs and/or amplifier terminals are dirty. - Player is in pause mode.	- Connect properly. - Check the settings of audio mixer switches and sound volume controls. - Clean away dirt. - Press the PLAY/PAUSE button.
Sound is distorted, noise is output.	- Incorrect connections. - Pin plugs and/or amplifier terminals are dirty. - Interference is being picked up from a TV set.	- Connect to audio mixer's LINE INPUT terminals. Do not connect to MIC terminals. - Clean away dirt. - Switch OFF TV set, or move player away from TV set.
With certain discs, loud noise is produced, or play stops.	- Disc has a bad scratch or warp. - Disc is extremely dirty.	- Replace the disc. - Clean disc.
When the auto cue function is set to ON, track search is not finished.	- If the sound muted portion between selections is long, searching time will be long. - If the sound muted portion is recorded for about 20 seconds or more, playback will start without the auto cue function.	Press TIME MODE/AUTO CUE button for more than 1 second, and set the auto cue function to OFF.
Back cue function cannot be carried out even though the CUE button is pressed in playback mode.	The cue point is not set yet.	Set the cue point. (See page 11.)
Loop playback cannot be carried out even though the LOOP OUT/EXIT button is pressed.	The cue point (loop in point) is not set yet.	Set the cue point. (See page 11.)
The picture of the TV screen is fluctuated or FM broadcast is interfered with noise.	Interference is being picked up from the CD player.	Turn off POWER of the player, or move the player away from TV or tuner.
The disc is not rotating when the power is ON.	The disc rotation stops automatically if no operation has been performed for 80 minutes or more in pause mode.	Playback can be started by pressing the PLAY/PAUSE button. If the EJECT button is pressed, the door will open.

Abnormal functioning of this unit may be caused by static electricity, or other external interference. To restore normal operation, unplug the AC power cord and then plug it in again after the disc completely stops.

Should this product require service in the U.S.A. and you wish to locate the nearest Pioneer Authorized Independent Service Company, or if you wish to purchase replacement parts, operating instructions, service manuals, or accessories, please call the number shown below.

1- 800 - 872 - 4159

Please do not ship your product to Pioneer without first calling the Customer Service Department at the above listed number for assistance.

**PIONEER ELECTRONICS SERVICE, INC.
CUSTOMER SUPPORT DIVISION
P.O. BOX 1760, LONG BEACH,
CA 90801-1760, U.S.A.**

For warranty information please see the Limited Warranty sheet included with your product.

Should this product require service in Canada, please contact a Pioneer authorized dealer in Canada to locate the nearest Pioneer Authorized Service Company.

Alternatively, please contact or ship your defective product freight prepaid to one of the following Factory Service locations closest to you:

Pioneer Electronics of Canada, Inc.

**Factory Service East
300 Allstate Parkway
Markham, ON L3R 0P2
(905) 479-4411**

**Factory Service West
13911 Bridgeport Road
Richmond, BC V6V 1J6
(604) 278-1014**

For warranty information please see the Limited Warranty sheet included with your product.

TROUBLESHOOTING

Error display

When the player cannot be operated correctly, an error code number appears in the display window. When the displayed error code number is in the table below, confirm the cause of the trouble and solve it. If the cause of trouble is unknown, remedy is too difficult or the same error code number is displayed after it is remedied, please contact your nearest PIONEER authorized service center and refer to the error code number.

Displayed error code number	Type of error	Error contents	Cause → Remedy
E-72 01	TOC READ ERROR	TOC data on the disc cannot be read even after 20 seconds have passed.	A disc is dusty or dirty. → Clean the disc. A disc is cracked. → Replace the disc.
E-83 01	PLAYER ERROR	A disc cannot be played normally. (GFS NG)	
E-83 02	PLAYER ERROR	A disc cannot be played normally. (FOCUS NG)	
E-91 01	MECHANICAL TIME OUT	Mechanism operation is not completed within the specified time. (CLAMP)	Foreign object is in the disc compartment. → Remove it.
E-91 02	MECHANICAL TIME OUT	Mechanism operation is not completed within the specified time. (OPEN)	
E-91 03	MECHANICAL TIME OUT	Mechanism operation is not completed within the specified time. (INSIDE)	

SPECIFICATIONS

1. General

System Compact disc digital audio system
Power requirements AC 120 V, 60 Hz
Power consumption 19 W
Operating temperature +5°C - +35°C
(+41°F - +95°F)
Operating humidity 5% - 85%
(There should be no condensation of moisture.)
Weight 4.1 kg (9 lbs 1 oz)
Dimensions 320(W) X 362.1(D) X 98.5(H) mm
12-5/8(W) X 14-1/4(D) X 3-7/8(H) in.

2. Audio section

Frequency response 4 Hz - 20 kHz (EIAJ)
Signal-to-noise ratio 106 dB or more (EIAJ)
Dynamic range 96 dB or more (EIAJ)
Channel separation 98 dB or more (EIAJ)
Total harmonic distortion 0.004% or less (EIAJ)
Output level 2.0 V
Channels 2-channel (stereo)

3. Other terminal

CONTROL miniature jack

4. Functions

- Top loading disc compartment
- Pick-up protector
- Sliding type speed control (TEMPO control knob)
- Immediate playback
- Realtime loop
- Re-loop
- Loop out point adjustment
- Master tempo control
- Fader start (*)

- Fader stop (back cue) (*)
 - Relay playback (using the CONTROL jack)
 - Auto cue (ON/OFF)
 - Cue point monitor
 - Back cue
 - Beat search with the Jog dial
 - Frame search with the Jog dial
 - Manual search with the Jog dial
 - High-speed manual search
 - Cyclical track search
 - Switching of the TIME display (TIME/REMAIN)
 - Auto spindle stop
- (*) Available when combined with PIONEER DJM-500 or DJM-300 DJ mixer.

5. Accessories

- Operating instructions 1
- Audio cable 1
- Control cable 1
- Screws for rack mounting 4
- Spacers for rack mounting 4

NOTE:

Specifications and design subject to possible modification without notice, due to improvements.

Maintenance:

In order to ensure the safe and correct function of this unit, we recommend regular maintenance. Extended service life can be expected if maintained properly.

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