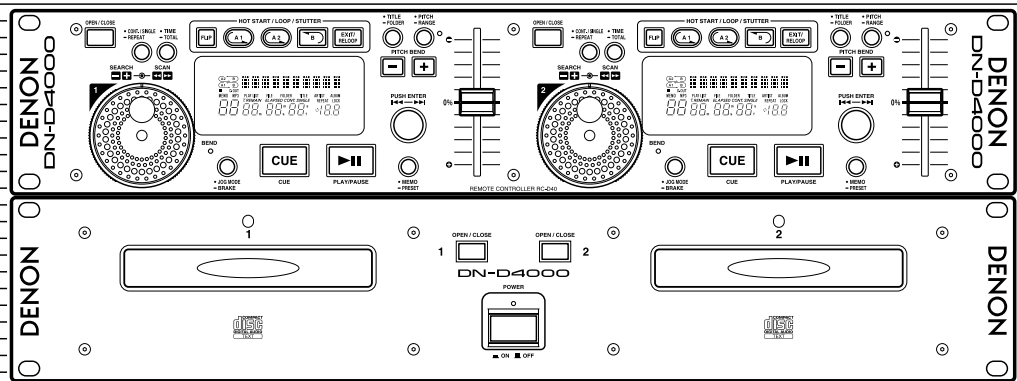


DENON

DOUBLE CD PLAYER

DN-D4000

OPERATING INSTRUCTIONS



IMPORTANT TO SAFETY

WARNING:

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

CAUTION

1. Handle the power supply cord carefully

Do not damage or deform the power supply cord. If it is damaged or deformed, it may cause electric shock or malfunction when used. When removing from wall outlet, be sure to remove by holding the plug attachment and not by pulling the cord.

2. Do not open the rear cover

In order to prevent electric shock, do not open the top cover.

If problems occur, contact your DENON DEALER.

3. Do not place anything inside

Do not place metal objects or spill liquid inside the system.

Electric shock or malfunction may result.

Please, record and retain the Model name and serial number of your set shown on the rating label.

Model No. DN-D4000

Serial No. _____



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



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.

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.



NOTE:

This CD player uses the semiconductor laser. To allow you to enjoy music at a stable operation, it is recommended to use this in a room of 5°C (41°F) ~ 35°C (95°F).

LABELS (for U.S.A. model only)

CERTIFICATION

THIS PRODUCT COMPLIES WITH DHHS RULES 21 CFR SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE.

CAUTION:

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

THE COMPACT DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

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

• FOR CANADA MODEL ONLY

CAUTION

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

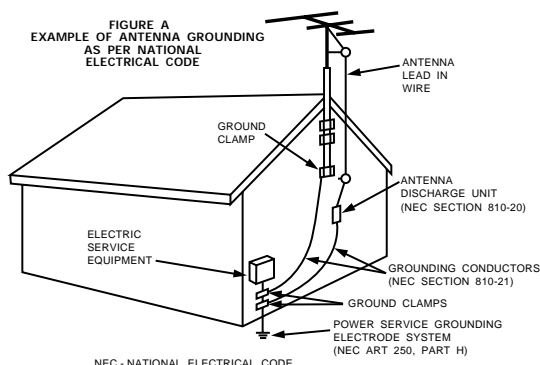
• POUR LES MODELE CANADIENS UNIQUEMENT

ATTENTION

POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTERODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU' AU FOND.

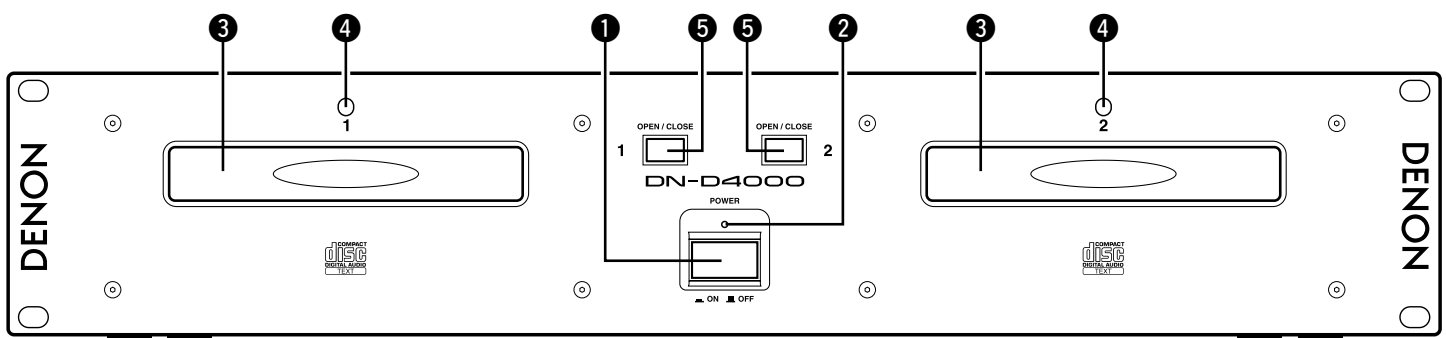
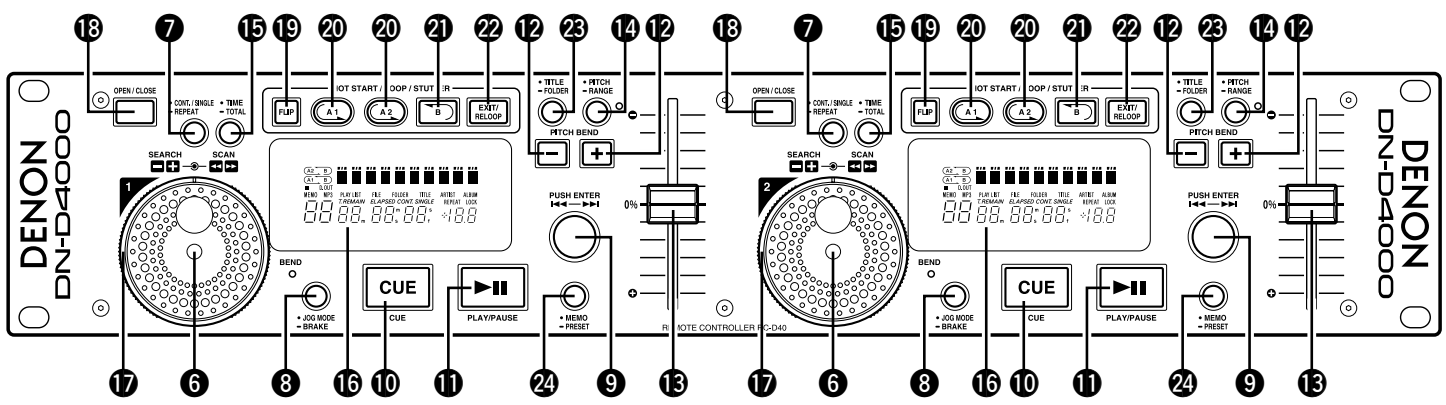
SAFETY INSTRUCTIONS

1. Read Instructions – All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the product 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 or aerosol cleaners.
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 cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
9. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
10. 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 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.
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 product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12. Grounding or Polarization – This product may be 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.

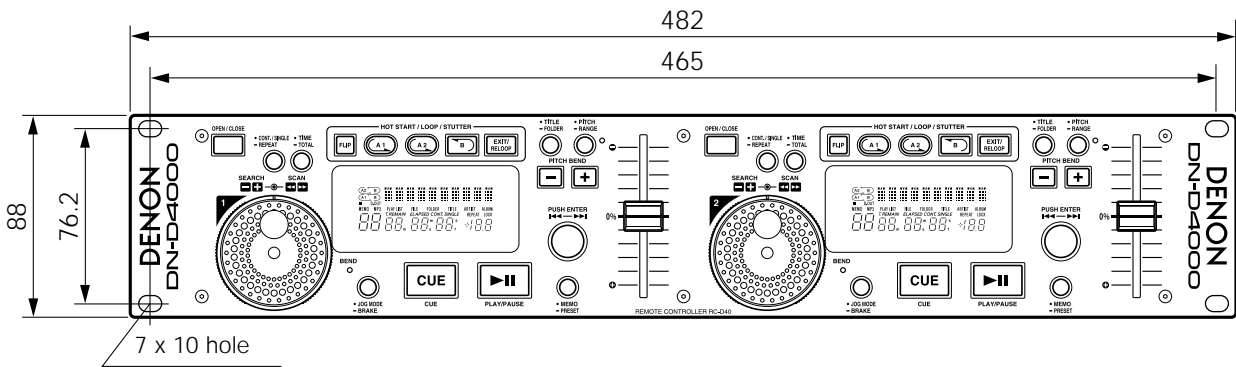
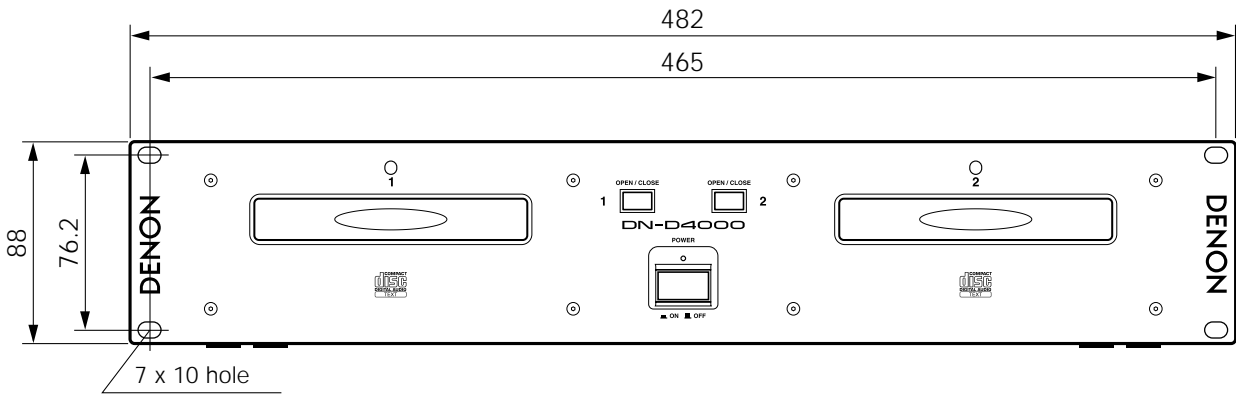


13. Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
15. Outdoor Antenna Grounding – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard 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 Figure A.
16. Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
17. Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
18. Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
19. Object and Liquid Entry – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
20. 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.
21. 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 damaged in any way, and
 - f) When the product exhibits a distinct change in performance – this indicates a need for service.
22. Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
23. Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
24. Wall or Ceiling Mounting – The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
25. Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

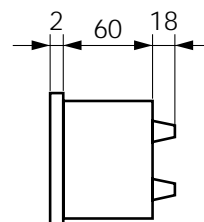
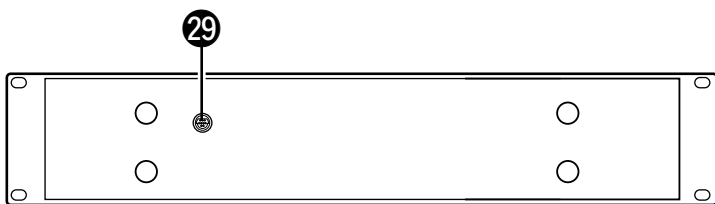
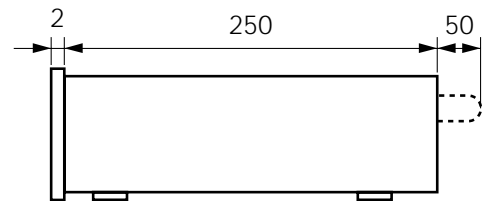
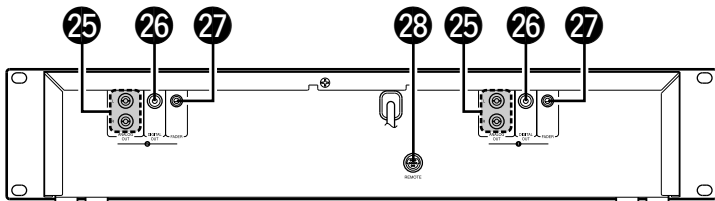
FRONT PANEL / PANEL FRONTAL



FRONT PANEL

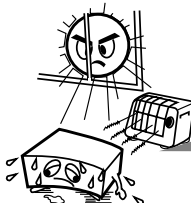
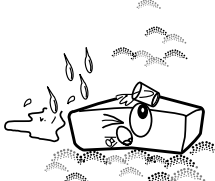









REAR PANEL



Unit: mm

NOTE ON USE

 <ul style="list-style-type: none"> • Avoid high temperatures. Allow for sufficient heat dispersion when installed on a rack. • Vermeiden Sie hohe Temperaturen. Beachten Sie, daß eine ausreichend Luftzirkulation gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird. • Eviter des températures élevées. Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère. • Evite altas temperaturas. Permite la suficiente dispersión del calor cuando está instalado en la consola. • Vermijd hoge temperaturen. Zorg voor een degelijk hitteafvoer indien het apparaat op een rek wordt geplaatst. • Undvik höga temperaturer. Se till att det finns möjlighet till god värmeavledning vid montering i ett rack. 	 <ul style="list-style-type: none"> • Keep the set free from moisture, water, and dust. • Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern. • Protéger l'appareil contre l'humidité, l'eau et la poussière. • Mantenga el equipo libre de humedad, agua y polvo. • Laat geen vochtigheid, water of stof in het apparaat binnendringen. • Utsätt inte apparaten för fukt, vatten och damm. 	 <ul style="list-style-type: none"> • Do not let foreign objects in the set. • Keine fremden Gegenstände in das Gerät kommen lassen. • Ne pas laisser des objets étrangers dans l'appareil. • No deje objetos extraños dentro del equipo. • Laat geen vreemde voorwerpen in dit apparaat vallen. • Se till att främmande föremål inte tränger in i apparaten.
 <ul style="list-style-type: none"> • Handle the power cord carefully. Hold the plug when unplugging the cord. • Gehen Sie vorsichtig mit dem Netzkabel um. Halten Sie das Kabel am Stecker, wenn Sie den Stecker herausziehen. • Manipuler le cordon d'alimentation avec précaution. Tenir la prise lors du débranchement du cordon. • Maneje el cordón de energía con cuidado. Sostenga el enchufe cuando desconecte el cordón de energía. • Hanteer het netsnoer voorzichtig. Houd het snoer bij de stekker vast wanneer deze moet worden aan- of losgekoppeld. • Hantera nätkablen varsamt. Håll i kablarn när den kopplas från el-uttaget. 	 <ul style="list-style-type: none"> • Unplug the power cord when not using the set for long periods of time. • Wenn das Gerät eine längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker. • Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes. • Desconecte el cordón de energía cuando no utilice el equipo por mucho tiempo. • Neem altijd het netsnoer uit het stopcontact wanneer het apparaat gedurende een lange periode niet wordt gebruikt. • Koppla ur nätkablarn om apparaten inte kommer att användas i lång tid. 	 <ul style="list-style-type: none"> • Do not let insecticides, benzene, and thinner come in contact with the set. • Lassen Sie das Gerät nicht mit Insektiziden, Benzin oder Verdünnungsmitteln in Berührung kommen. • Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil. • No permita el contacto de insecticidas, gasolina y diluyentes con el equipo. • Laat geen insektenverdelgende middelen, benzine of verfverdunder met dit apparaat in contact komen. • Se till att inte insektsmedel på spraybruk, bensen och thinner kommer i kontakt med apparatens hölje.
 <ul style="list-style-type: none"> • Do not obstruct the ventilation holes. • Die Belüftungsöffnungen dürfen nicht verdeckt werden. • Ne pas obstruer les trous d'aération. • No obstruya los orificios de ventilación. • De ventilatieopeningen mogen niet worden geblokkeerd. • Täpp inte till ventilationsöppningarna. 	<p>* (For sets with ventilation holes)</p>  <ul style="list-style-type: none"> • Do not obstruct the ventilation holes. • Die Belüftungsöffnungen dürfen nicht verdeckt werden. • Ne pas obstruer les trous d'aération. • No obstruya los orificios de ventilación. • De ventilatieopeningen mogen niet worden geblokkeerd. • Täpp inte till ventilationsöppningarna. 	 <ul style="list-style-type: none"> • Never disassemble or modify the set in any way. • Versuchen Sie niemals das Gerät auseinander zu nehmen oder auf jegliche Art zu verändern. • Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre. • Nunca desarme o modifique el equipo de ninguna manera. • Nooit dit apparaat demonteren of op andere wijze modifieren. • Ta inte isär apparaten och försök inte bygga om den.

CAUTION

- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Please be care the environmental aspects of battery disposal.
- The apparatus shall not be exposed to dripping or splashing for use.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.

• **DECLARATION OF CONFORMITY**

We declare under our sole responsibility that this product, to which this declaration relates, is in conformity with the following standards:

EN60065, EN55013, EN55020, EN61000-3-2 and EN61000-3-3.

Following the provisions of 73/23/EEC, 89/336/EEC and 93/68/EEC Directive.

• **ÜBEREINSTIMMUNGSERKLÄRUNG**

Wir erklären unter unserer Verantwortung, daß dieses Produkt, auf das sich diese Erklärung bezieht, den folgenden Standards entspricht:

EN60065, EN55013, EN55020, EN61000-3-2 und EN61000-3-3.

Entspricht den Verordnungen der Direktive 73/23/EEC, 89/336/EEC und 93/68/EEC.

• **DECLARATION DE CONFORMITE**

Nous déclarons sous notre seule responsabilité que l'appareil, auquel se réfère cette déclaration, est conforme aux standards suivants:

EN60065, EN55013, EN55020, EN61000-3-2 et EN61000-3-3.

D'après les dispositions de la Directive 73/23/EEC, 89/336/EEC et 93/68/EEC.

• **DECLARACIÓN DE CONFORMIDAD**

Declaramos bajo nuestra exclusiva responsabilidad que este producto al que hace referencia esta declaración, está conforme con los siguientes estándares:

EN60065, EN55013, EN55020, EN61000-3-2 y EN61000-3-3.

Siguiendo las provisiones de las Directivas 73/23/EEC, 89/336/EEC y 93/68/EEC.

• **EENVORMIGHEIDSVERKLARING**

Wij verklaren uitsluitend op onze verantwoordelijkheid dat dit produkt, waarop deze verklaring betrekking heeft, in overeenstemming is met de volgende normen:

EN60065, EN55013, EN55020, EN61000-3-2 en EN61000-3-3.

Volgens de bepalingen van de Richtlijnen 73/23/EEC, 89/336/EEC en 93/68/EEC.

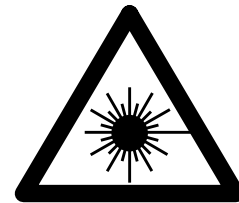
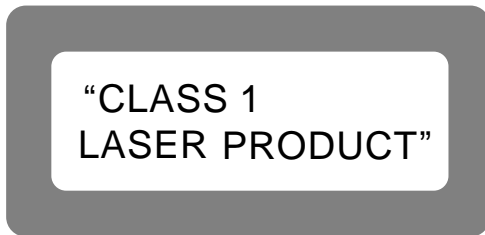
• **ÖVERENSSTÄMMELSESINTYG**

Härmed intygas helt på eget ansvar att denna produkt, vilken detta intyg avser, uppfyller följande standarder:







EN60065, EN55013, EN55020, EN61000-3-2 och EN61000-3-3.

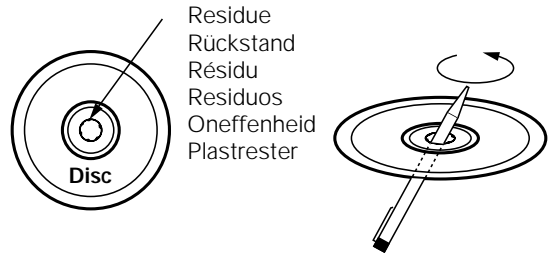
Enligt stadgarna i direktiv 73/23/EEC, 89/336/EEC och 93/68/EEC.

CLASS 1 LASER PRODUCT





- Use compact discs that include the  mark.
CD's with special shapes (heart-shaped CD's, octagonal CD's etc.) cannot be played on this set.
Attempting to do so may damage the set. Do not use such CD's.
- Benutzen Sie Compact Discs, die das  Zeichen tragen.
Speziell geformte CD's (herzförmige CDs, achteckige CDs, usw.) können auf dieser Anlage nicht abgespielt werden.
Der Versuch derartige CDs abzuspielen kann die Anlage beschädigen. Verzichten Sie auf die Benutzung solcher CDs.
- Utiliser des disques compacts portant le logo .
Des CD avec des formes spéciales (CD en forme de coeur, des CD octogonaux, etc.) ne peuvent pas être lus sur cet appareil.
Le fait de l'essayer, risque d'endommager le lecteur. Ne pas utiliser de tels CD.
- Use discos compactos con la marca .
En este equipo no es posible reproducir CDs con formas especiales (CDs con forma de corazón, CDs octogonales, etc.).
Si intenta hacerlo, el equipo podrá resultar dañado. No use este tipo de CDs.
- Gebruik compact discs voorzien van het logo .
CD's met speciale vormen (bijv. CD's in de vorm van een hart, achthoekige CD's, enz.) kunnen met dit toestel niet worden afgespeeld.
Wanneer u dit toch probeert, zal u het toestel beschadigen. Speel dergelijke CD's dus niet af.
- Använd CD-skivor med -märket.
Specialformade CD-skivor (hjärtformade, åttkantiga, m m) går inte att spela på den här apparaten.
Utrustningen kan skadas om du försöker göra detta.
Använd inte CD-skivor av denna typ.



- The disc may not play normally if there is residue along the edges of the center hole.
- When using new discs in particular, use a pen, etc., to remove the residue.
- Die Disk kann nicht normal abgespielt werden, wenn sich ein Rückstand entlang der Mittellochenden befindet.
- Insbesondere, wenn Sie neue Disks benutzen, dann entfernen Sie mit einem Stift, etc. den Rückstand.
- Le disque peut ne pas être lu normalements s'il y a un résidu le long des bord du trou central.
- Lors de l'utilisation de nouveaux disques en particulier, utiliser un stylo à bille, etc., pour enlever le résidu.
- El disco no puede ser reproducido normalmente debido a la terminación deficiente de los bordes del agujero central.
- Para quitar estos residuos de material, especialmente cuando vaya a re-producir discos nuevos, utilice un bolígrafo, o algo similar.
- Het is mogelijk dat de disc niet normaal wordt weergegeven als de randen van het middengat van de schijf oneffenheden vertonen.
- Verwijder vooral bij gebruik van nieuwe discs de oneffenheden met een pen of iets dergelijks.
- Det kan uppstå fel vid CD-avspelningen om det finns plastrester kvar i mitthålet.
- Tänk på att bort dessa med en penna, e d, särskilt om CD-skivan är ny.



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

The CD text disc includes the mark shown at the right.

NOTE:

- This unit can provide a text display of the following types of characters. Other types of characters will result in " " being displayed.

- Alphabet
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
- Numbers
 0123456789
- Symbols
 _!"#\$%&'()*+,-./:;=<>
 ?@[#]_`~^|<SPACE

- Bei der Wiedergabe von CD-Textdiscs, die Funktionstasten in englischer Kategorie enthalten, kann dieses Gerät auf dem Display Funktionstasten anzeigen. Die CD-Textdiscs sind mit dem rechts dargestellten Logo versehen.

HINWEIS:

- Dieses Gerät kann aus den nachfolgend aufgeführten Zeichenarten bestehende Texte anzeigen. Bei anderen Zeichenarten wird " " angezeigt.

- Alphabet
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
- Zahlen
 0123456789
- Symbole
 _!"#\$%&'()*+,-./:;=<>
 ?@[#]_`~^|<SPACE

- Cet appareil peut afficher les textes d'information lors de la lecture de CD qui comportent ces textes, dans la catégorie anglaise.

Les CD avec texte se repèrent à la marque indiquée à droite.

REMARQUE:

- Cet appareil permet l'affichage de textes composés avec les types de caractère suivants. Tous les autres types de caractère seront affichés ainsi " ".

- Alphabétiques
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
- Chiffres
 0123456789
- Symboles
 _!"#\$%&'()*+,-./:;=<>
 ?@[#]_`~^|<SPACE

- Esta unidad puede mostrar información de texto en la pantalla cuando se reproducen discos CD de Texto que contengan información de texto en la categoría de Inglés. Los discos CD de Texto incluyen la marca indicada a la derecha.

NOTA:

- Esta unidad puede mostrar visualizaciones de texto de los siguientes tipos de caracteres. Otros tipos de caracteres harán que se visualice " ".

- Alfabeto
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
- Números
 0123456789
- Símbolos
 _!"#\$%&'()*+,-./:;=<>
 ?@[#]_`~^|<SPACE

- Dit toestel kan tekstinformatie op het display tonen bij het weergeven van CD-Text discs met tekstinformatie in de categorie Engels.

Een CD-Text disc is voorzien van het logo rechts.

OPMERKING:

- Dit toestel kan de volgende tekens als tekst weergeven. Voor andere types van tekens verschijnt " " op het display.

- Alfabet
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
- Getallen
 0123456789
- Symbolen
 _!"#\$%&'()*+,-./:;=<>
 ?@[#]_`~^|<SPACE

- Denna apparat kan visa text på displayen när du spelar CD-textskivor innehållande information på engelska. CD text-skivor bär märket som anges på höger sida.

OBSERVERA:

- Apparaten kan visa text med följande teckentyper. För övriga tecken kommer " " att visas.

- Alfabetiska
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
- Siffror
 0123456789
- Symboler
 _!"#\$%&'()*+,-./:;=<>
 ?@[#]_`~^|<SPACE

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■ ACCESSORIES

Check that the following parts are included in addition to the main unit:

①	Operating instructions	1	③	Remote control unit (RC-D40)	1
②	Connection cords for signal output (RCA)	2	④	Remote control connection cable.....	1

1 MAIN FEATURES

The DN-D4000 is a double CD player equipped with a variety of functions and high performance characteristics. Use it for example for DJ mixing and remixing.

Control section

1. **The DN-D4000 can be easily mounted on a standard 19-inch rack.**
2. **Improved visibility under low lighting conditions thanks to a large fluorescent display, back-lit illuminated action buttons and illuminated disc trays.**
3. **Improved interface operation thanks to a large jog/Shuttle wheel and track select knob.**

Functions

1. **Shockproof function protecting against external vibrations**
2. **Auto Level Search / Instant Start**
3. **Pitch Bend (Button & Jog)**
4. **Seamless Loop**

Playback can be looped between any two points in a track without any break in the audio. Two loop start points (A-1 and A-2) can be set anywhere within the track or disc.
5. **Hot Start / Stutter**

Playback can be started instantaneously from points A-1 and A-2.

In the stutter mode, these same buttons play momentary audio while pressed and held down.

6. Brake

In Brake mode, the playing speed comes to a quick halt, simulating the STOP function on a vinyl turntable.

7. Relay Play

When this mode is set, CD1 and CD2 starts playback alternately.

This unit can relay the playback of CD1 and CD2 every track or every disc.

8. Power on Play

The player can be set so that playback in the relay mode starts when the power is turned on.

9. Fader Start

Up to 4 loaded Hot Starts can be triggered hands free with any compatible 5 volt pulse mixer by using the crossfader.

10. Auto Sleep Mode / Auto Disc Tray Close System

11. Preset functions - Different presets can be changed according to your needs.

12. Custom Setting Memory

13. MP3 Playback

14. CD TEXT

15. CD-R/RW Playback

NOTE:

- This player can play CD-R/RW discs, but only if they are finalized. Note however that depending on the recording quality, the player may not be able to play some finalized CD-R/RW discs.

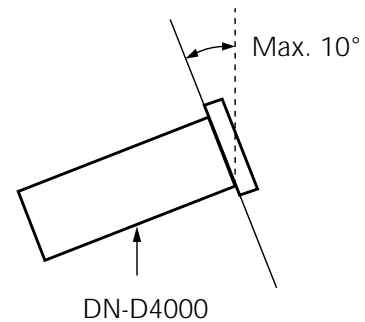
2 CONNECTIONS/INSTALLATION

1. Turn off the POWER switch.
2. Connect the RCA pin cords to the inputs on your mixer.
3. Connect the control cord to the REMOTE connector on the RC-D40.

CAUTION:

- Be sure to use the supplied control cord. Using another type of cable may result in damage.
- Be sure the power is off when connecting the control cord. Otherwise the units may not work properly.
- Never connect any remote controllers other than the RC-D40. Doing so can damage the equipment.

The DN-D4000 will work normally when the player unit is mounted within 10 degrees off the vertical plane at the front panel. If the unit is tilted excessively, the disc may not be loaded or unloaded properly.



3 PART NAMES AND FUNCTIONS (Refer to page 3.)

(1) DN-D4000 Front panel

1 POWER button (ON OFF)

- Push this button to turn the power on.

NOTE:

- Be sure to close the disc holders before turning off the power.

2 POWER indicator

- This lights when the power is on.

3 Disc holder

- Place discs in this holder.
- Push the disc holder OPEN/CLOSE button to open and close the disc holder.

CAUTION:

- Do not place foreign objects in the disc holders. Doing so could damage the player.
- Do not push the disc tray in manually when the power is off, as this may result in malfunction and damage the player.

4 Disc holder LED

- This flashes while the disc holder is opening and closing.
- The LED lights when the disc holder is open and serves as the disc holder illumination.

5 Disc holder OPEN/CLOSE button

- Push this button to open and close the disc holder.
- The disc holder will not open during playback. Stop playback before pushing this button.

(2) RC-D40 Front panel

CAUTION:

- Note that there are many buttons working two different functions as selected by short time pushing or long pushing (1 second or more). The
 - mark indicates short time push function and
 - mark indicates long time push function.

6 Jog wheel (inner wheel)

- In the search mode, turn this wheel during for search operation to find the CUE point in units of frames.
- In the pitch bend mode, turn this wheel to change the playing speed.

7 Continue/Single button

(● CONT./SINGLE, — REPEAT)

- Push this button to switch between the single and continuous play modes.
- The selected mode is indicated by the SINGLE or CONTINUE indicators on the display.
- Push this button for over 1 seconds to turn the repeat mode on and off.

8 ● JOG MODE, — BRAKE button

- Push this button to select the jog wheel operating mode.

Search mode:

Turn the wheel clockwise to move the playback position forward, counterclockwise to move the playback position backward.

One click corresponds to one frame of movement.

Pitch bend mode:

When the jog wheel is turned, the playing speed changes. (The BEND LED lights up.)

Brake mode:

When this button is pushed for more than 1 second, you can turn the Brake mode on and off.

9 Track select knob

(|◀◀-▶▶|/PUSH ENTER)

- Turn this knob to select the first or next track to be played.
- Turn the knob clockwise by one click to move one track forward, counterclockwise by one click to move one track backward.
- When the knob is turned while pressing it down, one click corresponds to advancing 10 tracks at a time.
- In the preset mode, use this knob to set and enter preset settings.

10 CUE button

- Pushing the CUE button during play provides a return to the position at which play was started. Alternately pushing the PLAY/PAUSE button and the CUE button allows the CD to be played from the same position any number of times.
- The CUE button lit, when the standby mode is set.
- When in the sleep mode, cancel the sleep mode.

11 PLAY/PAUSE button (▶||)

- Use this button to start playback.
- Push once to start playback, once again to set the pause mode, and once more to resume playback.
- In the brake mode, during playback push this button to brake.

12 PITCH BEND +/- button

- The playing speed increases/decreases while this button is pushed.
- When the button is released, the playing speed returns to the previous speed.

13 Pitch slider

- Use this to adjust the playing speed.
- The playing speed decreases when slid upwards and increases when slid downwards.

14 ● PITCH, — RANGE button

- Push this button to switch to the play speed set with the Pitch slider. The PITCH LED lights.
- Push the button again to cancel the pitch play mode and return to normal speed.
- When this button is pushed for more 1 second, you can set the pitch range by the track select knob. (turn and push)

15 ● TIME, — TOTAL button

- Push this to switch the time display between the elapsed time or remaining time per track or per disc.
- When this button is pushed for more 1 second, you can display the total time. (4 way)

16 Display

- See page 9.

17 Shuttle ring (outer ring)

- This control is used to select the scanning direction and speed.
The CD is scanned in the forward direction when the shuttle ring is turned clockwise from the center position. To scan backwards, the shuttle ring is turned counterclockwise.
- The scanning speed increases as the wheel is turned further.

18 Disc holder OPEN/CLOSE button

- Push this button to open and close the disc holder.
- The disc holder will not open during playback. Stop playback before pushing this button.

19 FLIP button

- Push this button to switch between the loop mode/hot start mode and stutter mode.

20 A1, A2 buttons

- Push these buttons to set the start point for loop playback (point A-1 or A-2).
- Push these buttons to use the stutter and hot start functions.

21 B button

- Push this button to set the end point for loop playback (point B).

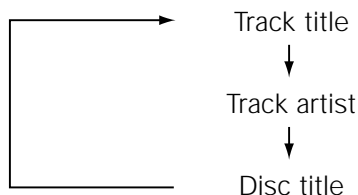
22 EXIT/RELOOP button

- When this button is pushed during a seamless loop, the track resumes back to normal play from the B point. (EXIT)
When pushed again, the playback jumps back into your A-B seamless loop. (RELOOP)

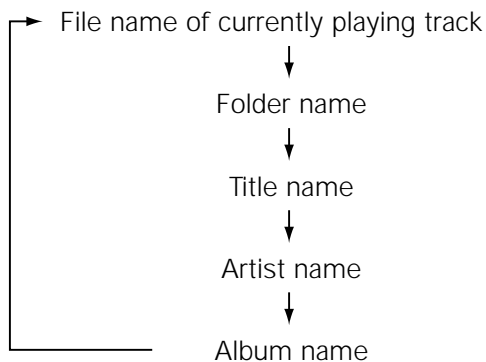
23 • TITLE, - FOLDER button

- When the button is pushed, the text information (Disc title, track title or track artist) is displayed.

CD-TEXT:



MP3:



- When disc containing MP3 format files is loaded, push this button for 1 second then the folder select mode is possible.

24 • MEMO, - PRESET button

MEMO:

The memo mode starts when this button is pushed once in the Cue mode.

PRESET:

When this button is pushed for more than 1 sec, the PRESET mode starts.

(3) DN-D4000 Rear panel

25 Analog output jacks 1, 2 (ANALOG OUT 1, 2)

- These are unbalanced output jacks. The audio signals from the CD players are output from these jacks.

26 Digital output jacks 1, 2 (DIGITAL OUT 1, 2)

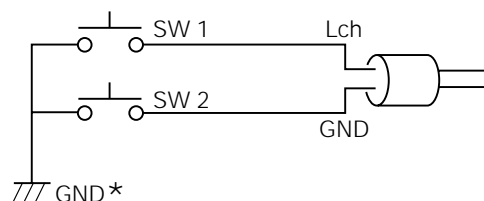
- Digital data is output from these jacks according to the presettings.
- We recommend using a 75Ω/ohm pin cord (available in stores) for connections.

NOTE:

- Turn PITCH control OFF when making digital recordings. Most digital recorders will not accept a variable pitched digital signal.

27 Fader input jacks 1, 2 (FADER 1, 2)

- Use this when using the unit with a console fader. (Mini Jack)
(FADER INPUT LEVEL HCMOS (Ii=-3mA))
- The fader can be activated using the switch circuit shown on the diagram below.



- Connect SW1 to the "Lch" stereo mini jack.
- Connect SW2 to the "GND" stereo mini jack.
- Connect GND* to the analog output "GND" terminal.
- Do not use the "Rch" jack.

2 line mode: (Preset item 8)

- When SW1 is pressed, playback starts from the cue point.
- When SW2 is pressed, playback stops and resumes the cue point.

1 line mode: (Preset item 8)

- When SW1 is turned on, playback starts from the cue point.
- When SW1 is turned off, playback will be pause mode.

28 Remote control connector (REMOTE)

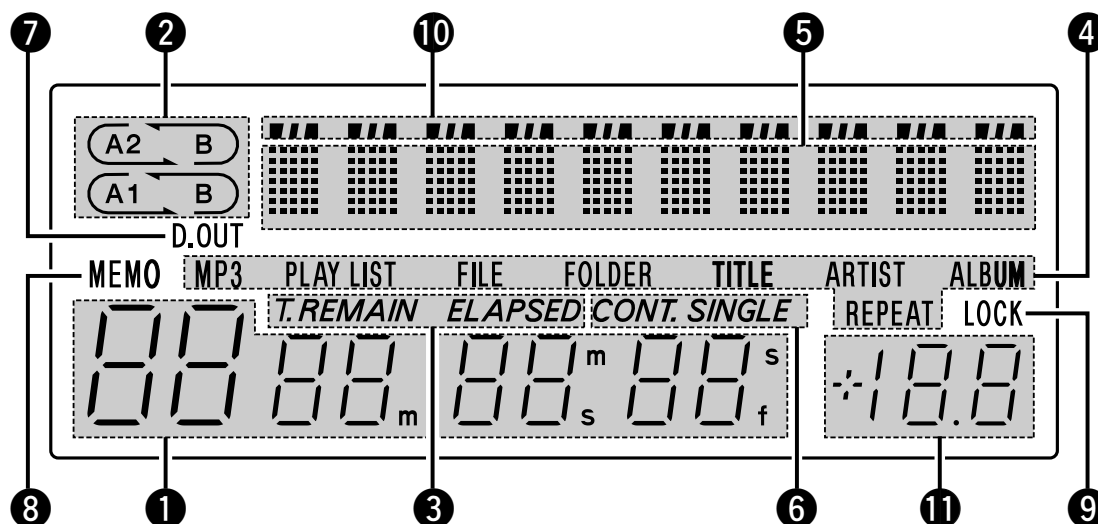
- Connect this connector to the RC-D40 control unit using the included control cord.

(4) RC-D40 Rear panel

29 Control connector

- Connect this connector to the REMOTE connector on the DN-D4000 (main unit) using the included control cord.

(5) Display



1 Track, minute, second and frame displays

- These displays indicate current position information.

2 Loop mode indicators

- DN-D4000 has Loop mode indicators consist of two sets of A (A1, A2), B and two arrows. A and B marks indicate A and B points are exist.
- Two arrows indicate loop setting mode as follow.

Example: A1 B

(A1 → B) Both arrows on:

Seamless Loop mode

(A1 → B), (← →) Both arrows flashing:

Seamless Loop Playing

(A1 → B), (← →) Left arrow on, right flashing:

Exit play from Seamless Loop

3 Time mode indicators

- When the TIME/TOTAL button is pushed, the Time mode indicator switches as follows:

ELAPSED:

Track's elapsed time is displayed.

REMAIN:

Track's remaining time is displayed.

T. + ELAPSED:

The total elapsed time of disc or programmed track is displayed.

T. + REMAIN:

The total remaining time of disc or programmed track is displayed.

4 Mode display portion

FILE : This lights when the file name of MP3 is displayed.

FOLDER : This lights when the folder name of MP3 is displayed.

TITLE : This lights when the title in the MP3 ID3-Tag or CD Text is displayed.

MP3 : This lights when a disc containing MP3 format file is loaded.

REPEAT : This lights in the repeat mode.

ALBUM : This lights when the album name is displayed.

ARTIST : This lights when the artist name is displayed.

PLAY LIST : This lights when the play list is performed.

5 Character display

- This displays various operational information, text message, etc.

6 Play mode indicators

- When SINGLE indicator lights up, playback will finish at end of current track.
- When CONT. indicator lights up, playback continues.

7 Digital out indicator

- This lights when the digital output is turned on within the preset mode.

8 MEMO indicator

- MEMO sign appears in display when there is a memory setting for the currently playing track or the track at which the standby mode is currently set.

9 Button lock indicator

- Some of the buttons do not function when this indicator is lit.

10 Play Position indicators

• Play position indicator:

The 30 white dots indicate where is playing visually in a track in the normal play.

• End of Message:

When the time remaining to the end of the track is less than the specified time, the EOM (End Of Message) play position indicator flashes along with the remaining time, notifying of the track end.

* The EOM time can be set with the presets.

11 Pitch display

- This numeric indicator display the playback speed (pitch).

4 COMPACT DISCS

(1) Precautions on handling compact discs

- Do not allow fingerprints, oil or dust on the surface of the compact disc. If the signal surface is dirty, wipe it off with a soft, dry cloth. Wipe in circular motions from the center and out.
- Do not use water, benzene, thinner, record sprays, electrostatic proof chemicals, or silicone-treated cloth to clean discs.
- Always use care when handling discs to prevent damaging the surface, in particular when removing a disc from the case and returning it.
- Do not bend compact discs.
- Do not apply heat to compact discs.
- Do not enlarge the hole in the center of the disc.
- Do not write on the disc and do not attach any labels.
- Condensation will form on the disc surface if it is brought into a warm room from a cold area, such as outdoors during winter. Wait until the condensation disappears. Never dry discs with hair dryers, etc.

(2) Precautions on storage

- After playing a disc, always return it to its case.
- Keep discs in the cases when they are not to be played. This will protect them from dust and dirt and prolong their service life.
- Do not store discs in the following places:
 - 1) Places exposed to direct sunlight for a considerable time.
 - 2) Places subject to accumulation of dust or high humidity.
 - 3) Places exposed to high temperatures, such as close to heater outlets.

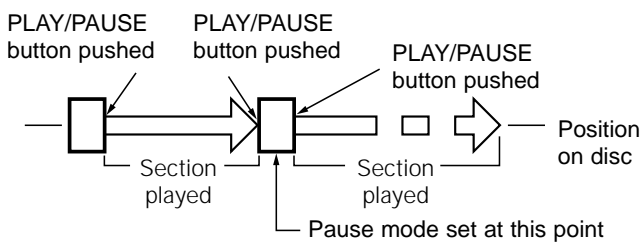
5 BASIC OPERATION

(1) PLAY/PAUSE and CUE

- The operation switches between playback and pause each time the PLAY/PAUSE button ⑪ is pushed.
- When the CUE button ⑩ is pushed during playback, the pickup returns to the position at which playback was started.

The diagrams below show playback patterns when the PLAY/PAUSE and CUE buttons are pushed.

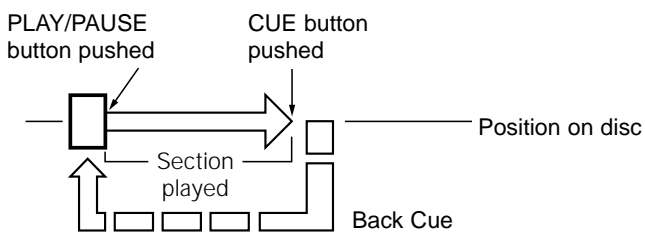
PLAY and PAUSE



When the PLAY/PAUSE button ⑪ is pushed, playback starts and proceeds as shown by the arrow on the diagram above.

If the PLAY/PAUSE button ⑪ is pushed again during playback, the pause mode is set at that point. Push the PLAY/PAUSE button ⑪ again to resume playback.

PLAY and CUE

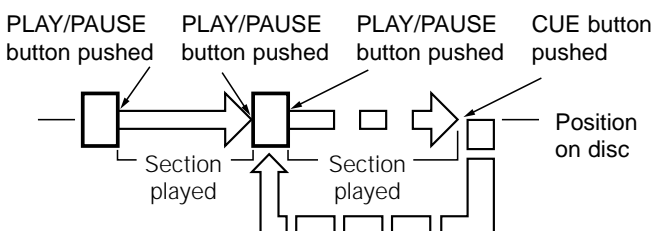


When the CUE button ⑩ is pushed after starting playback by pushing the PLAY/PAUSE button ⑪, the pickup returns to the position at which playback was started and prepares for the next playback.

Push the PLAY/PAUSE ⑪ and CUE ⑩ buttons alternately to start playback repeatedly from the same position. (Checking the playback position)

This function is called "Back Cue".

PLAY, PAUSE and CUE



If the pause mode is set and playback is then resumed, the position to which the pickup returns with the Back Cue function changes.

Sleep mode

- The sleep mode is set if no operation is performed for set up time while in the standby or pause mode. In the sleep mode, disc rotation is stopped in order to reduce wear due to unnecessary rotation of the motor.
- The sleep mode can be cancelled by pressing the PLAY/PAUSE or CUE button.

(2) Starting playback from the Middle of a track (Manual Search)

- When the track is selected with the track select knob ⑨ and the PLAY/PAUSE button ⑪ is pushed, playback starts from the beginning of that track. If you wish to start from a different position, use the procedure described below to search for the desired position.

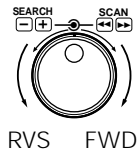
Find the play start position.

Push the JOG MODE/BRAKE button ⑧ to set the jog/shuttle wheel to the search mode.



Turn the shuttle ring ⑰ to change the playback position quickly. (Search for the approximate playback position.)

1



RVS FWD

The fast forward/reverse mode is set when the shuttle ring (outer side) ⑰ is turned.

The speed changes according to the angle at which the ring is turned.

- When operated during playback, playback resumes after the operation.
- When playback is started, the jog wheel is set to the bend mode.
- When turned fully in either direction, the disc skips 1 minute forward or backward then plays for 3 seconds, and this is repeated.

Turn the jog wheel ⑥. (Search for the precise playback position.)

2



RVS FWD

When the jog wheel (inner side) ⑥ is turned, the frame move mode is set.

The playback position can be moved in units of one frame.

Listen to the sound and find the desired play start position.

NOTE:

- MP3 files consist of compressed data, so the search point may be slightly off when using the manual search mode.


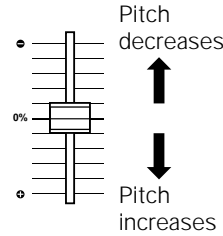
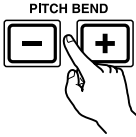

Shockproof memory

- A maximum of approximately 10 seconds uncompressed audio data is stored into memory (per drive). This guards audible interruptions due to external mechanical shocks such as bumps or other hard vibrations.
- If advanced data reading is not possible due to scratches or dirt on the disc, playback stops once the data stored up to that point is read.

6 PITCH/BRAKE



- There are two ways to change the playing speed.
 - Adjust the Pitch using the pitch slider 13.
 - The PITCH BEND button 12 or jog wheel 6 can be used to temporarily change the pitch.
- The playing speed can be changed greatly to achieve effect similar to those achievable with analog discs.

(1) Pitch

1-1	<p>[Pitch slider] Set the variable speed mode. Push the PITCH button 14 to light the PITCH LED.</p> 
1-2	 <p>Pitch decreases ↑ Pitch increases ↓</p> <p>The Pitch decreases when the pitch slider 13 is moved upwards, increases when the pitch slider 13 is moved downwards.</p>
2-1	<p>[PITCH BEND button] Push the PITCH BEND + (or PITCH BEND -) button 12.</p> <ul style="list-style-type: none"> • The Pitch increases or decreases temporarily while the PITCH BEND + or PITCH BEND - button 12 is pushed. • The extent to which the PITCH BEND button 12 changes the Pitch is proportionate to the amount of time the button is pushed. The longer the button is held down, the greater the percentage of change. 
2-2	<p>Set the jog wheel to the pitch bend mode. During play mode, pitch bend is the default setting for the Jog wheel. The BEND LED is on.</p> <ul style="list-style-type: none"> • The playing speed increases gradually when the jog wheel 6 is turned clockwise and decreases gradually when the jog wheel 6 is turned counterclockwise. When you stop turning the jog wheel 6, the playing speed returns to the previous speed. • When playback is stopped, the jog/shuttle wheel is set to the search mode. 

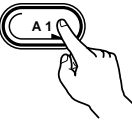
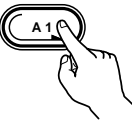
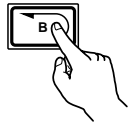
(2) BRAKE




- Use this function to achieve effect similar to analog players.

1	<p>Push the JOG MODE/BRAKE button 8 for 1 second.</p> <ul style="list-style-type: none"> • Displays "Brake ON" when set to Brake mode. <p>The effect sound is similar to a DJ turntable coming to a quick stop. This effect can be achieved by pushing the PLAY/PAUSE button 11 during playback.</p>  
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7 SEAMLESS LOOP/HOT START AND STUTTER

(1) Seamless Loop/Hot Start/Stutter (A1, A2 buttons)

1	<p>Setting the A point (loading the Hot Start data)</p> <p>Push the A1 or A2 button 20 to set the A point and Hot Start data loading starts.</p>  <ul style="list-style-type: none"> • A1 and A2 buttons can be used separately for each Hot Start. • When an A point is set, the corresponding A button light and that button is set to the Hot Start mode.
2	<p>Starts Hot Start</p> <p>When A1 or A2 button 20 is pushed, Hot Start playback starts from the corresponding A point.</p> 
3	<p>Setting the B point for Seamless Loop</p> <p>When the B button 21 is pushed after setting the A point or after starting Hot start playback, the B point is set and Seamless Loop playback starts from the A point.</p>  <ul style="list-style-type: none"> • The B button works with respect to the A point operated before the B button 21 was pushed. • If the B button 21 is pushed during seamless loop playback or after EXIT playback, the B point moves to the point at which the button was pushed.
4	<p>Playing seamless loops</p> <ul style="list-style-type: none"> • When the B point for A1 is detected after playback started from A1 point, playback returns to A1 point with seamless. While A1 to B looping, B point for A2 ignored. • When the B point for A2 is detected after playback started from A2 point, playback returns to A2 point with seamless. While A2 to B looping, B point for A1 ignored.


5	<p>Exit/Reloop</p> <p>In Seamless Loop playback, you can force exit from or return in the loop.</p>  <p>EXIT: While the Seamless Loop playback, push the EXIT/RELOOP button 22 to exit from loop. DN-D4000 continues playback after the B point.</p> <p>RELOOP: When the EXIT/RELOOP button 22 is pushed after exit the loop, Seamless Loop playback resumes from the A point.</p>
6	<p>Stutter</p> <ul style="list-style-type: none"> • A1 and A2 points can be also used for Stutter playback. <p>To enable stutter playback, push FLIP button 19 for A1/A2 buttons. Push the FLIP button 19 to switch between the Hot Start/Seamless Loop and Stutter modes.</p> 
7	<p>Clear the A1/A2 point</p> <p>While pushing the FLIP button 19, push the A1 or A2 button 20 to clear the corresponding A and B points.</p> <p>Or push the Flip button 19 for more than 1 second to clear both A1 and A2 points at once.</p> 

(2) Fine-adjusting the start points (A-1 and A-2) and end point (B)

- The A-1, A-2 and B points can also be adjusted in the standby mode at their respective points.

1 Adjust the start point (A).

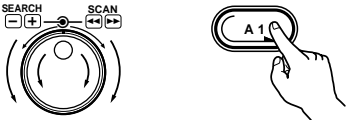
To fine-adjust the position of the A-1 (or A-2) point once it has been set, in the standby mode press and hold down the CUE button 10 then push the "A" button 20 that you wish to edit.



- The standby mode is now set to edit/fix either A-1 or A-2 points.

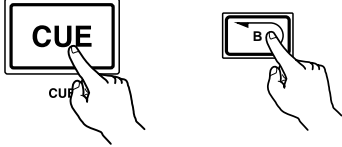
2

Use the Jog/Shuttle wheel 6, 17 to manually search through the track in order to find your desired new start point. When found, press the same "A" button 20 to resave.



3 Adjust the end point (B).

Follow the same steps from 1 and 2 above, except, press and hold the CUE button 10 and then the B button 21 in order to edit your end B point, Then press the B button 21 again to save your changes.



NOTE:

- It is not possible to set an A point at a position after the B point or the B point at a position before the A point.

8 PLAYING MP3 FILES

The music on commercially available music CDs can be converted into MP3 files on a computer using MP3 encoding programs. When this is done, the data is reduced to approximately 1/10 the original size. This MP3 data can then be stored on a CD-R/RW disc, allowing you to create a single 12 cm CD-R/RW disc containing about 10 times more music than a normal music CD, that is some 100 tracks or more (*).

* This is an approximately value for MP3 files of tracks about 5 minutes long converted at a standard bit rate (128 kbps) and stored on a CD-R/RW disc with a capacity of 650 MB.

- * Recordings you make are for your personal use and should not be used in ways infringing upon the copyright holder as per copyright laws.
- * MP3 may require time for reading.
- * With disc condition it may not play properly.
- * To protect copyrights, no digital signals are output when playing MP3 files.

NOTES :

- The DN-D4000 is compatible with "MPEG-1 Audio Layer-3", "MPEG-2 Audio Layer-3" and "MPEG-2.5 Audio Layer-3". It is not compatible with MP1 or MP2 standards.

SAMPLING FREQUENCY

MPEG 1	48 kHz	44.1 kHz	32 kHz
MPEG 2	24 kHz	22.05 kHz	16 kHz
MPEG 2.5	12 kHz	11.25 kHz	8 kHz

- When writing MP3 files on a CD-R/RW disc, set the writing program's format to "ISO9660 level 1" or "ISO9660 level 2", "Joliet" or "Romeo". MP3 files written in other formats may not play properly. With some writing programs it is not possible to record in "ISO9660" format. Use an "ISO9660" format writing program.
- Generally speaking, the higher the MP3 file's bit rate, the better the sound quality. With the DN-D4000 it is recommended to use MP3 files written with a bit rate of 128 kbps or greater.
- The writing program may change the positions of the folders and files when writing the MP3 files on the CD-R/RW disc, so the files may not be played in the expected order.
- Make sure to give MP3 files the extension ".MP3". Files with extensions other than ".MP3" or without extensions cannot be played. (On Macintosh computers, MP3 files can be played by adding the extension ".MP3" after the file name consisting of a maximum of 8 Roman capital letters and / or numerals when recording them on CD-R/RW discs.)

- A maximum of 50 folders can be played on the DN-D4000. The maximum number of files is also 150. If there are 151 files, only the first 150 are played. (Files other than those with the extension ".MP3" are not counted.)
- On the DN-D4000, folder and file names can be displayed like titles. Roman capital letters and/or numerals and "_" (underscores) are scrolled. (However, a maximum of 63 characters can be displayed.) In addition, folder and file names using other symbols will not be displayed properly.
- The DN-D4000 is compatible with ID3-tag (Ver. 1.*, Ver. 2.0).
- It may not be possible to play some CD-R/RW discs due to dirt, scratches or the disc's properties.
- Do not apply seals or tape to the label or signal side of CDs or CD-R/RW discs. The glue could get on the disc surface, making the disc get stuck inside the set.
- The DN-D4000 is multi-session compatible. Only music CDs can be played if the first session is a music CD, and only MP3 files can be played if the first session consists of MP3 files.
- The DN-D4000 is compatible with play lists. (.m3u of WINAMP Form) (Preset functions)

NOTES:


- With some writing programs it may not play properly. In this case, please set to "PLst=OFF".
- Play List may require time for reading.
- The maximum number of play lists is also 150. If there are over 150 play lists, only the first 150 are performed.

Playing folders or files

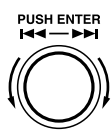
1 Load a disc containing MP3 files.

[To select a folder]

① In the standby mode, push the TITLE/FOLDER button **23** more than 1 second to display the "Folder Sel".



② Turn the select knob **9** to select the folder you want to listen to.

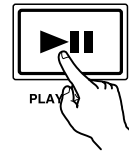


[To select a file]

① In the standby mode, push the TITLE/FOLDER button **23** more than 1 second to display the "File Sel".

② Turn the select knob **9** to select the file you want to listen to.

Push the PLAY/PAUSE (▶ ||) button **11.**



* The display switches as follows each time the TITLE/FOLDER button **23** is pushed during playback :

3





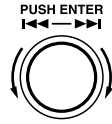
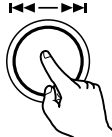



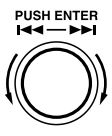



```

    graph TD
      A[File name (The "FILE" indicator lights.)] --> B[Folder name (The "FOLDER" indicator lights.)]
      B --> C[Title name (The "TITLE" indicator lights.)]
      C --> D[Artist name (The "ARTIST" indicator lights.)]
      D --> E[Album name (The "ALBUM" indicator lights.)]
  
```

9 OTHER FUNCTIONS

1. Program play

- Up to 25 tracks from one disc can be programmed.
- Programs for up to 3 discs (one program per disc) can be stored in the non-volatile memory of each drive for later recall. (Up to 6 discs are available.)

<p>Program mode select</p> <p>① In the Cue or pause mode, push the MEMO/PRESET button 24 for more than 1 second to select preset mode. When the MEMO/PRESET button 24 is pushed at this time, the program mode is selected.</p> <p>* The mode switches in the following order each time the MEMO/PRESET button 24 is pushed (short push): preset mode → program mode → off.</p> <p>② Turn the track select knob 9 to select the various program setting modes as follows. Prog.In, Prog.On, Prog.Off, ProgM.Cal, ProgM.Set, ProgM.Clr</p> <p>The mode is entered by pushing the track select knob 9.</p> <p>Depending on conditions, some modes cannot be selected.</p> <p>③ Push the MEMO/PRESET button 24 again to exit program mode.</p>    	<p>Change Program (Chang Tr)</p> <p>② Turn the track select knob 9 on step 3- ①.</p>  <p>Push the track select knob 9 again to return step 2- ①.</p>  <p>★1 Insert Tracks to Program</p> <ul style="list-style-type: none"> • You can insert tracks to the previously programmed tracks. • One track can be inserted at a time using the PITCH BEND + button 12 and return step 2- ①.  <p>★2 Clear Tracks from Program</p> <ul style="list-style-type: none"> • You can clear tracks from the previously programmed tracks. • One track can be cleared at a time using the PITCH BEND - button 12.  <ul style="list-style-type: none"> • Push the MEMO/PRESET button 24 to end the program input mode, then proceed to Start Program Play (Prog.On). 
<p>Input Program (Prog.In)</p> <p>Input the program for program playback.</p> <p>① Turn the track select knob 9 to select the track.</p>  <p>② Push the track select knob 9 to input the selected track to the program.</p> 	<p>Start Program Play (Prog.On)</p> <ul style="list-style-type: none"> • When "Prog.On" is selected, DN-D4000 will cue up at the first track in the program. • Program playback starts when the PLAY/PAUSE ► button 11 is pushed. 
<p>Add Program (Add Prog)</p> <p>① Push the track select knob 9 again to return step 2- ①.</p> <ul style="list-style-type: none"> • Repeat these steps to input whole program. 	<p>Cancel Program mode (Prog.Off)</p> <ul style="list-style-type: none"> • When "Prog.Off" is selected, the program play mode turns off and returns to normal play mode.
<p>3-1</p>	<p>6</p> <p>Store Program (ProgM.Set)</p> <ul style="list-style-type: none"> • When "ProgM.Set" is selected, the program that has been set is stored in the non-volatile memory.

7	<p>Call Program (ProgM.Cal)</p> <ul style="list-style-type: none"> When "ProgM.Cal" is selected, the program stored in the non-volatile memory is loaded and the program play mode is set.
8	<p>Clear Program (ProgM.Clr)</p> <ul style="list-style-type: none"> When "ProgM.Clr" is selected, the program for the loaded disc is cleared. To clear all Program Memo use Preset function. * If "ProgM.Ext" is displayed, the program is one that is stored on the other drive. Load the disc in the other drive and repeat the operation.

(3) Combined with single, continuous, single relay and continuous relay mode

1	<p>The combination with RELAY PLAY mode and SINGLE, CONTINUOUS PLAY mode, or SINGLE RELAY and CONTINUOUS RELAY PLAY mode are also available.</p> <p>For example:</p> <p>When CD1 is set to the CONTINUOUS RELAY PLAY mode and CD2 is set to the CONTINUOUS PLAY mode.</p> <ul style="list-style-type: none"> When start the play from CD1, play can be stopped after play the final track of CD2.
----------	---

2. Relay play

- The unit can play CD1 and CD2 alternately.
- The relay mode can be selected in the preset mode. (Preset item 3)

(1) Single relay mode

1	<p>Press the CONT./SINGLE button 7 several times until "SINGLE" indicator flashes on the display.</p> <ul style="list-style-type: none"> When the play finish the desired track, another CD will be started the play. When both CD1 and CD2 set to the SINGLE RELAY mode, endless play are available to the each track of CD1 and CD2 alternately. 	
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3. Repeat play

- Repeat playback is possible in units of tracks or discs, depending on the play mode.

(1) Single repeat mode

1	<p>In the single mode, the single repeat play mode is set when the CONT./SINGLE button 7 is pressed for over 1 second.</p> <ul style="list-style-type: none"> Repeat playback is performed in units of tracks. 	
----------	--	--

(2) Continuous repeat mode

1	<p>In the continuous play mode, the continuous repeat play mode is set when the CONT./SINGLE button 7 is pressed for over 1 second.</p> <ul style="list-style-type: none"> Repeat playback is performed in units of discs. 	
----------	--	--

(2) Continuous relay mode

1	<p>Press the CONT./SINGLE button 7 several times until "CONTINUOUS" indicator flashes on the display.</p> <ul style="list-style-type: none"> When the play finish the final track of disc, another CD will be started the play. When both CD1 and CD2 set to the CONTINUOUS RELAY mode, endless play are available to the each disc of CD1 and CD2 alternately. 	
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NOTES:	
<ul style="list-style-type: none"> The relay mode and repeat mode cannot be selected at the same time. If A1 or A2 is set, the repeat mode cannot be set. 	

NOTE:	
<ul style="list-style-type: none"> The relay mode and repeat mode cannot be selected at the same time. 	

4. Disc tray auto close

1	<p>Disc tray will automatically close after 30 seconds or so have elapsed in the disc tray auto close mode. (Preset item 5)</p>
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5. End of message

1	During playback, the Play Position indicator starts flashing when the remaining playing time to the end of the track set in the preset mode is reached, indicating that the end of the track is near. (Preset item 4)
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6. Power on play

1	When "Power On Play" is set to "ON" at "[11] PRESET (9)", playback starts from the first track on the disc when the power is turned on.
----------	---

10 MEMO (Custom Setting Memory)

CD setting information can be stored in the non-volatile memory. The stored information can be called out of the memory later, making it easy to prepare for your mixing.

1. About MEMO

(1) Track MEMO

- Up to 600 memo points can be stored to internal memory for later recall. (300 memo points in each drive)
The number of tracks on a particular CD only limits the amount of memo points available per that disc. Example: If your CD has 22 tracks, you can only save up to 22 memos. (1 memo group per track.)
- The MEMO indicator on the display lights up when a track for which data is stored in the memory is selected.

(2) Disc MEMO

- To shorten loading time length of mp3 disc, DN-D4000 has disc memo feature. DN-D4000 can storage max 10 mp3 discs in One drive, so you can memory up to 20 mp3 discs.
With disc memo function, there is no need to analyze disc information, so you can start first sound with short time waiting almost same as CD.

2. MEMO ITEMS

The following items are max to be stored under 1 memory bank:

- ① Cue point
- ② A1-B1 and A2-B2 points
- ③ Playing pitch, pitch on/off
- ④ MP3 disc information

3. MEMO MODE SELECT

- ① Push the MEMO/PRESET button **24** in Cue mode to enter MEMO mode.
- ② Turn the track select knob **9** to select the various MEMO modes from as follows.

TrakM.Set, TrakM.Cal, TrakM.Clr, DiscM.Set, DiscM.Clr

The mode is entered by pushing the track select knob **9**.

Depending on conditions, some modes cannot be selected.

- ③ Push the MEMO/PRESET button **24** again to exit MEMO mode.

(1) Storing data in the memory [TrakM.Set]

- After make the settings to be stored in the memory, then push CUE button **10**.
- When MEMO indicator on the display is off in Cue mode, push MEMO/PRESET button **24** to enable Memo set function.
- If MEMO indicator lights up, it is necessary to clear existing Memo before store new Memo.
- At last push track select knob **9** to fix. You can see "Complete!" message and MEMO indicator lights up.

(2) MEMO Call [TrakM.Cal]

- When the CD includes tracks that DN-D4000 has Memo is inserted, MEMO indicator flashes 3 seconds.
- To call out the Memo data, select the track that you made MEMO. Then MEMO indicator lights up.
- Push the MEMO/PRESET button **24** to enable Memo call function.
- When the track select knob **9** is pushed in the Memo call mode, all the data stored in the memory is loaded. DN-D4000 goes to standby mode at the called Cue point.
- When the playing pitch is loaded from the Memo with PITCH LED flashes, playing Pitch is locked until Pitch Slider comes same Pitch. While playing Pitch is locked, PITCH LED keeps flashing.

(3) 1 Track MEMO CLEAR [TrakM.Clr]

- To clear one memo data, select the track that you made MEMO. Then MEMO indicator lights up.
- Push the MEMO/PRESET button **24** to enable Memo clear function.
- When the track select knob **9** is pushed in MEMO CLEAR mode, the Memo data is cleared and the MEMO indicator on the display turns off.

ALL Track MEMO CLEAR

- All memory data can be cleared.
- For instructions, see "[11] PRESET (15) Track Memo All Clear".

(4) Storing data in the memory [DiscM.Set]

- When MP3 disc is loaded, push the MEMO/PRESET button **24**.
- Turn the track select knob **9** to select the " DiscM.Set?".
- When the track select knob **9** is pushed, the disc information is stored.

(5) 1 Disc MEMO CLEAR [DiscM.Clr]

- To clear one memo data, load the MP3 disc that you stored information.
- Push the MEMO/PRESET button **24** to enable Memo clear function.
- When the track select knob **9** is pushed in MEMO CLEAR mode, the Memo data is cleared and the MEMO indicator on the display turns off.

ALL Disc MEMO CLEAR

- All memory data can be cleared.
- For instructions, see "[11] PRESET (16) Disc Memo All Clear".

(6) MEMO FULL

- If the memory is full and no more data can be stored, " DiscM.Full", " TrakM.Full" message appears.
- In this case, you need to clear memory for space of new memos. (For instructions, see step (3), (5).)

NOTE:

- " TrakM.Ext" or " DiscM.Ext" is displayed if the " TrakM.Set", " TrakM.Clr" or " DiscM.Clr" operation is performed for a disc stored on the other drive.
If this happens, load the disc in the other drive.

11 PRESET

1. Preset mode

- ① The preset mode is available when MEMO/PRESET button **24** is pushed for more than 1 second while DN-D4000 is in Cue, pause or no disc mode.
- ② Turn the track select knob **9** to select the preset item.
- ③ After selecting an item, push the track select knob **9** to select the preset data.
- ④ To change other Preset items, repeat these steps (②, ③).
- ⑤ Push the MEMO/PRESET button **24** or CUE button **10** to exit from the Preset mode.

2. Preset items and data

The "*" mark next to the data indicates the default value.

- (1) Auto Cue: Auto Cue search level.
A.Cue *** : OFF / -48* / -42 / -36 dB
- (2) Brake Time: Set the operating time for the BRAKE mode.
Brake **s : 0.5 / 1.0 / 1.5 / 2.0* seconds
- (3) Relay mode function selection: The relay playback mode can be selected with the CONT./SINGLE button **7**.
Relay : ON / OFF*
- (4) EOM: Track end message start time.
EndMsg **s : OFF / 10* / 15 / 20 / 30 / 60 / 90 seconds
- (5) Auto Close: Time for automatically closing disc holder.
A.Close **s : OFF / 10 / 30* / 60 seconds
- (6) Sleep Mode: If no operation is performed in the pause or cue mode, the motor stops and the stop mode is set after a specific amount of time.
Sleep **m : 10 / 20 / 30* minutes

- (7) Digital Out:
DigOut : ON* / OFF
- (8) Fader: Select 2-line type (Cue and Play) or 1 line type (Play and Pause).
Fader : 2Lin* / 1Lin
- (9) Power On Play: Playback starts when the power is turned on if a disc is loaded.
A.Play : ON / OFF*
- (10) Play List: Setting of whether or not to perform the play list.
P.List : ON / OFF*
- (11) Disc Memo: Setting of whether or not to perform the MP3 disc memo.
D.Memo : ON* / OFF
- (12) Single/Continuous: Select the play mode when the power is turned on.
PlayM. : Sing* / Cont
- (13) Elapsed/Remain: Select the time mode when the power is turned on.
TimeM. : Elap* / Rema
- (14) Pitch Range: Select the playing pitch range when the power is turned on.
P.Range**% : ± 4 / $\pm 10^*$ / ± 16 %
- (15) Track Memo All Clear: Clear all track MEMO data in the non-volatile memory. ("TrakM.Clr?")
- ① To clear all track MEMO data, push the track select knob and select "YES".
 - "Clear OK?" flashes on the character display.
 - ② Push the track select knob again and select "OK" to execute clearing all MEMO data.
 - "Now Saving" is displayed on the character display while clearing.
 - ③ Once clearing is completed, "Complete!" is displayed.
- (16) Disc Memo All Clear: Clear all disc MEMO data in the non-volatile memory. ("DiscM.Clr?")
- ① To clear all disc MEMO data, push the track select knob and select "YES".
 - "Clear OK?" flashes on the character display.
 - ② Push the track select knob again and select "OK" to execute clearing all MEMO data.
 - "Now Saving" is displayed on the character display while clearing.
 - ③ Once clearing is completed, "Complete!" is displayed.
- (17) Program All Clear: Clear all program play data in the non-volatile memory. ("ProgM.Clr?")
- ① To clear the program, push the track select knob and select "YES".
 - "Clear OK?" flashes on the character display.
 - ② Push the track select knob again and select "OK" to execute clearing the program.
 - "Now Saving" is displayed on the character display while data clearing.
 - ③ Once clearing is completed, "Complete!" is displayed.
- (18) Display the microprocessor version. ("xxxx" is a number.)
: SysVerxxxx* / RC Verxxxx
- (19) Preset Clear: Set all the preset data back to the factory defaults. ("PresetInt?")
- ① To clear the PRESET data, push the track select knob.
 - "Initial OK?" flashes on the character display.
 - ② Push the track select knob again and select "OK" to start clear the preset data.
 - "Now Saving" is displayed on the character display while data clearing.
 - ③ Once clearing is completed, "Complete!" is displayed.

12 TROUBLESHOOTING

Make sure of the followings before you consider as any malfunctions:

1. Are all the connections correct?
2. Are all system components being operated correctly in accordance with the operating instructions?
3. Are the speakers and amplifier/receiver functioning correctly?

If the tape deck still does not function properly, check the symptom against the list below. If the symptom does not correspond to the check list, please contact your DENON dealer.

Problem	Cause	Remedy
Disc holder does not open/close.	<ul style="list-style-type: none">• Power operation switch is not turned on.	<ul style="list-style-type: none">• Turn the power operation switch on.
When a disc is loaded, "TOC Error" or "No Disc" is displayed.	<ul style="list-style-type: none">• Disc is not properly loaded.	<ul style="list-style-type: none">• Reload the disc.
When the PLAY/PAUSE (▶) button is pressed, playback does not start.	<ul style="list-style-type: none">• Disc is dirty or scratched.	<ul style="list-style-type: none">• Clean the disc.
There is no sound, or it is distorted.	<ul style="list-style-type: none">• Output cord is not properly connected.• Amplifier adjustment is inappropriate.	<ul style="list-style-type: none">• Connect the output cord properly.• Readjust the amplifier.
A specific section of the disc will not play.	<ul style="list-style-type: none">• Disc is dirty or scratched.	<ul style="list-style-type: none">• Clean the disc.
Programmed playback does not work.	<ul style="list-style-type: none">• Programmed playback operation has been performed improperly.	<ul style="list-style-type: none">• Restart programmed playback.

13 SPECIFICATIONS

■ GENERAL

Type:	Twin mechanism compact disc player with wired remote control
Disc type:	Standard compact discs (12 cm and 8 cm discs)
Dimensions:	Player unit: 482 (W) x 88 (H) x 252 (D) mm (without feet) Remote control unit: 482 (W) x 88 (H) x 62 (D) mm (without feet)
Installation:	19-inch rack mountable Player unit: 2U Remote control unit: 2U
Mass:	Player unit: 6.2 kg Remote control unit: 1.9 kg
Power supply:	U.S.A., Canada and Taiwan R.O.C. models: 120 V AC \pm 10%, 60 Hz European models: 230 V AC \pm 10%, 50 Hz
Power consumption:	20 W
Environmental conditions:	Operational temperature: 5 to 35°C (41 to 95°F) Operational humidity: 25 to 85% (no condensation) Storage temperature: -20 to 60°C (4 to 140°F)

■ AUDIO SECTION

Quantization:	16-bit linear per channel
Sampling frequency:	44.1 kHz at normal pitch
Oversampling rate:	8 times
Frequency response:	20 to 20,000 Hz
Analog output	
Output level:	2.0 V
Load impedance:	10 k Ω /kohms or more
Digital output	
Signal format:	SPDIF
Output level:	0.5 Vp-p 75 Ω /ohms

■ FUNCTIONS

Instant start:	Within 30 msec.
Variable pitch:	\pm 4% (0.1% pitch), \pm 10% (0.1% pitch), \pm 16% (0.1% pitch)
Pitch bend:	Button: \pm 18%, Jog wheel: +50% to -35%
Search precision:	1/75 sec. (1 subcode frame)
Max. scan speed:	Over 20 times normal speed

* For improvement purposes, specifications and design are subject to change without notice.

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