

# DENON

DJ MIXER / DJ-MIXER / MELANGEUR DJ / DJ MIXER / DJ MIXER / DJ MIXER / DJ MIXER / DJ 混音台

## **DN-X500/DN-X900**

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**OPERATING INSTRUCTIONS**

**BEDIENUNGSANLEITUNG**

**MODE D'EMPLOI**

**ISTRUZIONI PER L'USO**

**INSTRUCCIONES DE OPERACION**

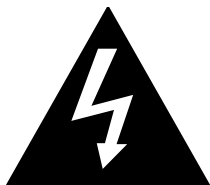
**GEBRUIKSAANWIJZING**

**BRUKSANVISNING**

**操作说明书**

## WARNING

- TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.
- TO PREVENT FIRE OR SHOCK HAZARD. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
- TO PREVENT ELECTRICAL SHOCK, MATCH WIDE BLADE PLUG TO WIDE SLOT FULLY INSERT.



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**

Warning: 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 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.

## IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) This appliance shall not be exposed to dripping or splashing water and that no object filled with liquids such as vases shall be placed on apparatus.

## 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 top 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 DJ mixer. 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 name DN-X-500    Serial No. \_\_\_\_\_

Model name DN-X-900    Serial No. \_\_\_\_\_

## FCC INFORMATION (For US customers)

### 1. PRODUCT

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

### 2. IMPORTANT NOTICE: DO NOT MODIFY THIS PRODUCT

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modification not expressly approved by DENON may void your authority, granted by the FCC, to use the product.

### 3. NOTE

This product 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 product 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 product does cause harmful interference to radio or television reception, which can be determined by turning the product 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 product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the local retailer authorized to distribute this type of product or an experienced radio/TV technician for help.

- **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.

- **DICHIARAZIONE DI CONFORMITÀ**

Dichiariamo con piena responsabilità che questo prodotto, al quale la nostra dichiarazione si riferisce, è conforme alle seguenti normative:

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

In conformità con le condizioni delle direttive 73/23/EEC, 89/336/EEC e 93/68/EEC.

QUESTO PRODOTTO E' CONFORME

AL D.M. 28/08/95 N. 548

- **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.

**A NOTE ABOUT RECYCLING:**

This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with the local recycling regulations.

When discarding the unit, comply with local rules or regulations.

Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning chemical waste.

This product and the accessories packed together constitute the applicable product according to the WEEE directive except batteries.

**HINWEIS ZUM RECYCLING:**

Das Verpackungsmaterial dieses Produktes ist für zum Recyceln geeignet und kann wieder verwendet werden. Bitte entsorgen Sie alle Materialien entsprechend der örtlichen Recycling-Vorschriften. Beachten Sie bei der Entsorgung des Gerätes die örtlichen Vorschriften und Bestimmungen.

Die Batterien dürfen nicht in den Hausmüll geworfen oder verbrannt werden; bitte geben Sie die Batterien gemäß örtlichen Bestimmungen an den Sammelstellen oder Sondermüllplätzen ab.

Dieses Produkt zusammen mit den Zubehörteilen ist das geltende Produkt der WEEE-Direktive, davon ausgenommen sind die Batterien.

**UNE REMARQUE CONCERNANT LE RECYCLAGE:**

Les matériaux d'emballage de ce produit sont recyclables et peuvent être réutilisés. Veuillez disposer de tout matériau conformément aux règlements de recyclage locaux.

Lorsque vous mettez cet appareil au rebut, respectez les lois ou réglementations locales.

Les piles ne doivent jamais être jetées ou incinérées, mais mises au rebut conformément aux règlements locaux concernant les déchets chimiques.

Ce produit et les accessoires emballés ensemble sont des produits conformes à la directive DEEE sauf pour les piles.

**NOTA RELATIVA AL RICICLAGGIO:**

I materiali di imballaggio di questo prodotto sono riutilizzabili e riciclabili. Smaltire i materiali conformemente alle normative locali sul riciclaggio.

Per smaltire l'unità, osservare la normativa in vigore nel luogo di utilizzo.

Non gettare le batterie, né incenerirle, ma smaltirle conformemente alla normativa locale sui rifiuti chimici.

Questo prodotto e gli accessori inclusi nell'imballaggio sono applicabili alla direttiva RAEE, ad eccezione delle batterie.

**ACERCA DEL RECICLAJE:**

Los materiales de embalaje de este producto son reciclables y se pueden volver a utilizar.

Disponga de estos materiales siguiendo los reglamentos de reciclaje de su localidad.

Cuando se deshaga de la unidad, cumpla con las reglas o reglamentos locales.

Las pilas nunca deberán tirarse ni incinerarse. Deberá disponer de ellas siguiendo los reglamentos de su localidad relacionados con los desperdicios químicos.

Este producto junto con los accesorios empaquetados es el producto aplicable a la directiva RAEE excepto pilas.

**EEN AANTEKENING WAT BETREFT HET RECYCLEREN:**

Het inpakmateriaal van dit product is recycleerbaar en kan opnieuw gebruikt worden. Er wordt verzocht om zich van elk afvalmateriaal te ontdoen volgens de plaatselijke voorschriften. Volg voor het wegdoen van de speler de voorschriften voor de verwijdering van wit- en bruingoed op. Batterijen mogen nooit worden weggegooid of verbrand, maar moeten volgens de plaatselijke voorschriften betreffende chemisch afval worden verwijderd.

Op dit product en de meegeleverde accessoires, m.u.v. de batterijen is de richtlijn voor afgedankte elektrische en elektronische apparaten (WEEE) van toepassing.

**EN KOMMENTAR OM ÅTERVINNING:**

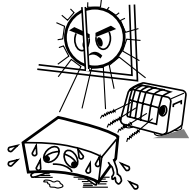
Produktens emballage är återvinningsbart och kan återanvändas. Kassera det enligt lokala återvinningsbestämmelser.

När du kasserar enheten ska du göra det i överensstämmelse med lokala regler och bestämmelser.

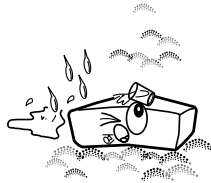
Batterier får absolut inte kastas i soporna eller brännas. Kassera dem enligt lokala bestämmelser för kemiskt avfall.

Denna apparat och de tillbehör som levereras med den är de som uppfyller gällande WEEE-direktiv, med undantag av batterierna.

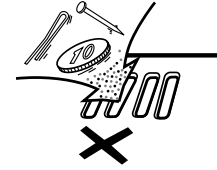
# NOTE ON USE / HINWEISE ZUM GEBRAUCH / OBSERVATIONS RELATIVES A L'UTILISATION / NOTE SULL'USO NOTAS SOBRE EL USO / ALVORENS TE GEBRUIKEN / OBSERVERA



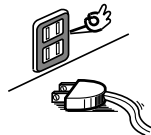
- Avoid high temperatures. Allow for sufficient heat dispersion when installed in a rack.
- Vermeiden Sie hohe Temperaturen. Beachten Sie, daß eine ausreichend Luftzirkulation gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird.
- Eviter des températures élevées. Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère.
- Evitate di esporre l'unità a temperature alte. Assicuratevi che ci sia un'adeguata dispersione del calore quando installate l'unità in un mobile per componenti audio.
- 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.



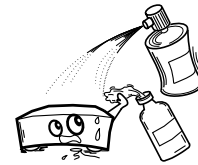
- Keep the apparatus free from moisture, water, and dust.
- Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern.
- Protéger l'appareil contre l'humidité, l'eau et la poussière.
- Tenete l'unità lontana dall'umidità, dall'acqua e dalla polvere.
- Mantenga el equipo libre de humedad, agua y polvo.
- Laat geen vochtigheid, water of stof in het apparaat binnendringen.
- Utsätt inte apparaten för fukt, vatten och damm.



- Do not let foreign objects into the apparatus.
- Keine fremden Gegenstände in das Gerät kommen lassen.
- Ne pas laisser des objets étrangers dans l'appareil.
- E' importante che nessun oggetto è inserito all'interno dell'unità.
- 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.



- Unplug the power cord when not using the apparatus for long periods of time.
- Wenn das Gerät eine längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker.
- Débranchez le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes.
- Disinnestate il filo di alimentazione quando avete l'intenzione di non usare il filo di alimentazione per un lungo periodo di tempo.
- 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 nätkablen om apparaten inte kommer att användas i lång tid.



- Do not let insecticides, benzene, and thinner come in contact with the apparatus.
- 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.
- Assicuratevi che l'unità non venga in contatto con insetticidi, benzolo o solventi.
- 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.



- 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.
- Maneggiare il filo di alimentazione con cura. Agite per la spina quando scollegate il cavo dalla presa.
- 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 kablarna när den kopplas från el-uttaget.



\* (For apparatuses with ventilation holes)

- Do not obstruct the ventilation holes.
- Die Belüftungsöffnungen dürfen nicht verdeckt werden.
- Ne pas obstruer les trous d'aération.
- Non coprite i fori di ventilazione.
- No obstruya los orificios de ventilación.
- De ventilatieopeningen mogen niet worden geblokkeerd.
- Täpp inte till ventilationsöppningarna.



- Never disassemble or modify the apparatus 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.
- Non smontate mai, nè modificate l'unità in nessun modo.
- Nunca desarme o modifique el equipo de ninguna manera.
- Nooit dit apparaat demonteren of op andere wijze modificeren.
- Ta inte isär apparaten och försök inte bygga om den.

## **CAUTION:**

- Minimum distances around the apparatus for sufficient ventilation.
- 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.
- Attention should be drawn to the environmental aspects of battery disposal.
- The use of apparatus in tropical and/or moderate climates.

## **ACHTUNG:**

- Die Belüftung sollte auf keinen Fall durch das Abdecken der Belüftungsöffnungen durch Gegenstände wie beispielsweise Zeitungen, Tischtücher, Vorhänge o. Ä. behindert werden.
- Auf dem Gerät sollten keinerlei direkten Feuerquellen wie beispielsweise angezündete Kerzen aufgestellt werden.
- Bitte beachten Sie bei der Entsorgung der Batterien die geltenden Umweltbestimmungen.
- Das Gerät sollte keinerlei Flüssigkeit, also keinem Tropfen oder Spritzen ausgesetzt werden.
- Auf dem Gerät sollten keinerlei mit Flüssigkeit gefüllten Behälter wie beispielsweise Vasen aufgestellt werden.

## **ATTENTION:**

- La ventilation ne doit pas être gênée en recouvrant les ouvertures de la ventilation avec des objets tels que journaux, rideaux, tissus, etc.
- Aucune flamme nue, par exemple une bougie, ne doit être placée sur l'appareil.
- Veillez à respecter l'environnement lorsque vous jetez les piles usagées.
- L'appareil ne doit pas être exposé à l'eau ou à l'humidité.
- Aucun objet contenant du liquide, par exemple un vase, ne doit être placé sur l'appareil.

## **PRECAUZIONI:**

- Le aperture di ventilazione non devono essere ostruite coprendole con oggetti, quali giornali, tovaglie, tende e così via.
- Non posizionare sull'apparecchiatura fiamme libere, come ad esempio le candele accese.
- Prestare attenzione agli aspetti legati alla tutela dell'ambiente quando si smaltisce la batteria.
- L'apparecchiatura non deve essere esposta a gocciolii o spruzzi.
- Non posizionare sull'apparecchiatura nessun oggetto contenete liquidi, come ad esempio i vasi.

## **PRECAUCIÓN:**

- La ventilación no debe quedar obstruida por hacerse cubierto las aperturas con objetos como periódicos, manteles, cortinas, etc.
- No debe colocarse sobre el aparato ninguna fuente inflamable sin protección, como velas encendidas.
- A la hora de deshacerse de las pilas, respete la normativa para el cuidado del medio ambiente.
- No se expondrá el aparato al goteo o salpicaduras cuando se utilice.
- No se colocarán sobre el aparato objetos llenos de líquido, como jarros.

## **WAARSCHUWING:**

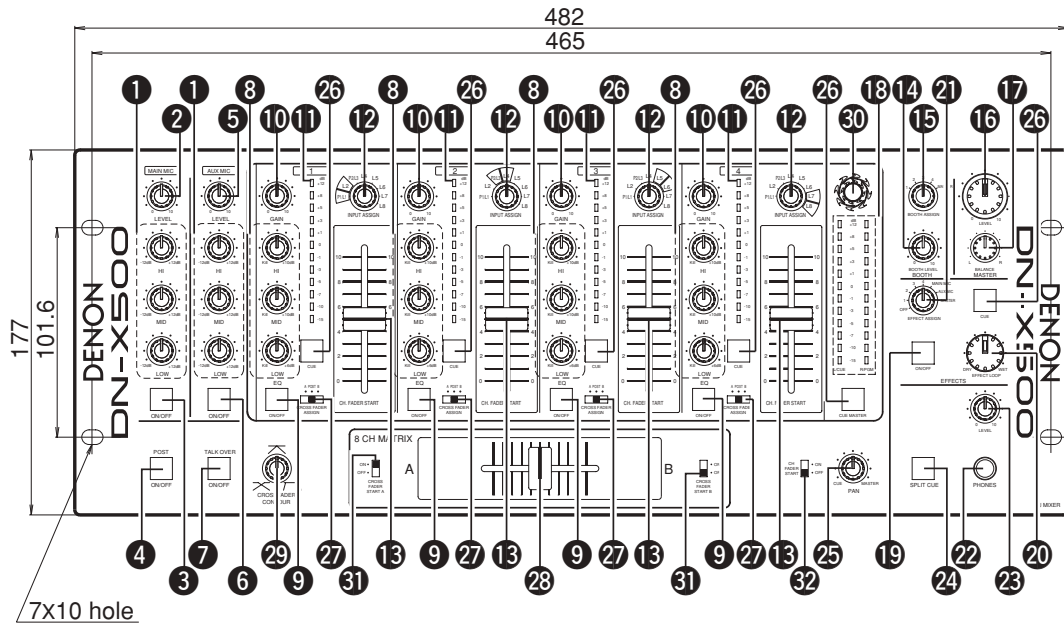
- De ventilatie mag niet worden belemmerd door de ventilatieopeningen af te dekken met bijvoorbeeld kranten, een tafelkleed, gordijnen, enz.
- Plaats geen open vlammen, bijvoorbeeld een brandende kaars, op het apparaat.
- Houd u steeds aan de milieuvoorschriften wanneer u gebruikte batterijen wegdoet.
- Stel het apparaat niet bloot aan druppels of spatten.
- Plaats geen voorwerpen gevuld met water, bijvoorbeeld een vaas, op het apparaat.

## **OBSERVERA:**

- Ventilationen bör inte förhindras genom att täcka för ventilationsöppningarna med föremål såsom tidningar, bordsdukar, gardiner osv.
- Inga blottade brandkällor, såsom tända ljus, bör placeras på apparaten.
- Tänk på miljöaspekterna när du bortskaffar batteri.
- Apparaten får inte utsättas för vätska.
- Inga objekt med vätskor, såsom vaser, får placeras på apparaten.

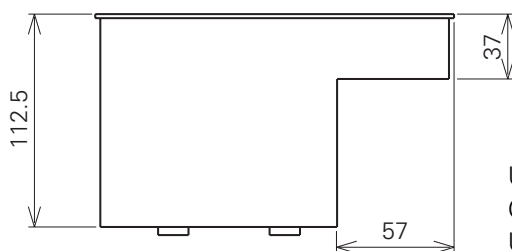
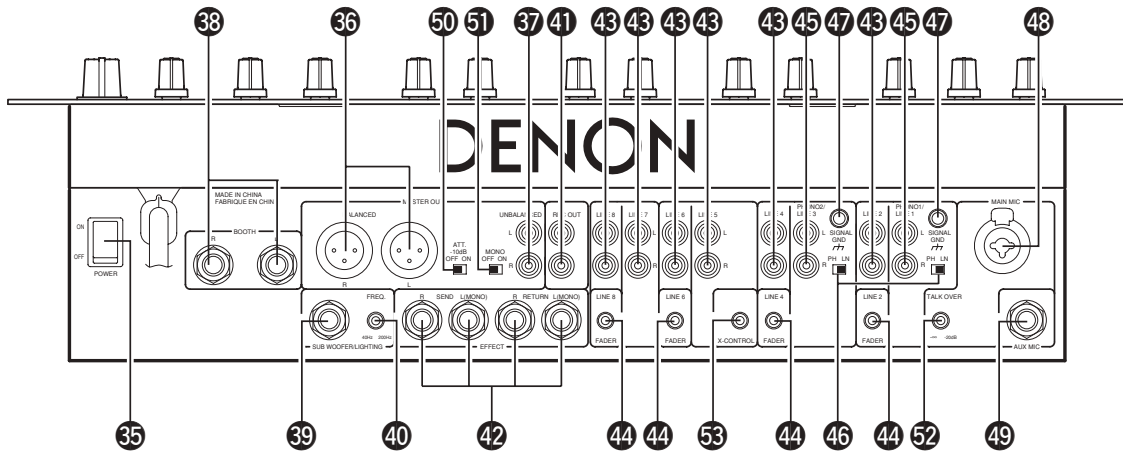
# DN-X500

## FRONT PANEL / FRONTPLATTE / PANNEAU AVANT PANNELLO FRONTALE / PANEL FRONTAL / VOORPANEEL / FRONTPANELEN 前面板



# DN-X500

## REAR PANEL / RÜCKWAND / PANNEAU ARRIERE IL PANNELLO POSTERIORE / PANEL TRASERO / ACHTERPANEEL / BAKSIDAN 后面板



Unit: mm  
Gerät: mm  
Unité: mm  
Unità: mm





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### • ACCESSORIES

**Please check to make sure the following items are included with the main unit in the carton:**

<p>① Operating instructions .....1</p> <p>② Connection cords (3.5 mm stereo mini cord).....2</p>	<p>③ Audio cord .....2</p>
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## **1** MAIN FEATURES

CONGRATULATIONS! You have purchased the DENON DN-X500/DN-X900 DJ mixer from D&M HOLDINGS Inc.

### 1. Matrix input assignment

8 input sources are freely assignable to each channel.  
Only DN-X900 : 8 input sources +4 DIGITAL sources are freely assignable to each channel.

### 2. 60 MM Channel Fader (Replaceable)

60mm long-stroke channel fader for precise adjustment of the volume. Can be replaced with a rotary type (optional).

### 3. Level Meter per Channel

Easily visible 12- dot level meters for each channel.

### 4. Booth Assign

1 ch – 4 ch and master Selects the source of the BOOTH output.

### 5. Enhanced SEND/RETURN terminals

DN-X500 : 8 LINE, 2 PHONO, 2 Microphone systems, 2MASTER outputs, BOOTH output and REC output are provided independently.  
Effect SEND/RETURN terminals are also provided for an external effects processor.

DN-X900 : 8 LINE, 3 PHONO, 4 DIGITAL 2 Microphone systems, 2 MASTER outputs, BOOTH output, ZONE output and REC output are provided independently.  
Effect SEND/RETURN terminals are also provided for an external effects processor.

### 6. 3-Band equalizer/gain

LOW, MID, HI and GAIN controls are available on every input channel.

### 7. Crossfader Contour

This feature allows adjusting the “shape” of the Crossfader response from a gentle curve for smooth, long running fades, to the steep pitch required for top performance cut and scratch effects.

### 8. Channel Fader and Crossfader Start

The CD player can be started or stopped simply by increasing or decreasing the level of the Ch. Fader or by using the Crossfader left to right or right to left. (This function can only be used when the DENON CD players DN-D4500 or etc. is connected to the DN-X500 or DN-X900)

### 9. Crossfader Control Output

The crossfader adjustment is output to control external equipment.  
(In the future, an external effector will be controlled.)

### 10. Mic Post (Att Level adjusted)

This feature will pass the Mic signal into the BOOTH, ZONE, REC output and DIGITAL output signal path. In the OFF mode, the Mic signal will not be routed through the above outputs.

The Talk Over attenuation Level can be adjusted ( - ∞ ~ -20 dB)

### 11. Hi-Grade Type Op Amp

The input/output section uses a hi-grade type op amp for high sound quality.

### 12. Only DN-X900 : Digital Input/Output

Digital Input (Coaxial x X4 : IEC958 Type III 32 kHz-48 kHz 24 bit)

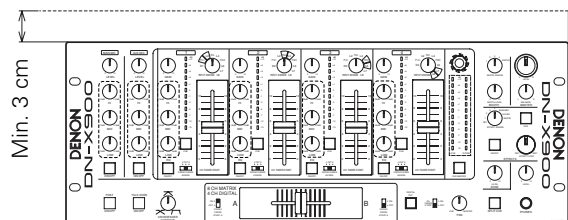
Digital Output (Coaxial x X1 / Optical X1 IEC958 Type II 20 bit)

### 13. Only DN-X900 : FLEX FADER (Adjustable Slide Torque Crossfader.)

The crossfader’s slide torque can be adjusted to achieved the desired feeling.

## **2** INSTALLATION

When the DN-X500/DN-X900 is mounted inside a coffin or DJ booth, we recommend leaving a 3 cm blank space above the mixer if possible.



## 3 PART NAMES AND FUNCTIONS

### (1) Front Panel

#### 1 MIC EQ controls

- Contour the frequency response of the Mic input –12 dB to +12 dB.

##### HI

- Adjusts high-tone Mic sound –12 dB to +12 dB. At the center position, sound is flat.

##### MID

- Adjusts mid-tone Mic sound –12 dB to +12 dB. At the center position, sound is flat.

##### LOW

- Adjusts low-tone Mic sound –12 dB to +12 dB. At the center position, sound is flat.

#### 2 MAIN MIC level control

- Adjusts the level of the Main Mic input.

#### 3 MAIN MIC ON/OFF button

- When the button is lit, Main Mic signal is transferred to output section, otherwise Main Mic input is muted.

#### 4 MIC POST ON/OFF button

- Puts the MAIN/AUX Mic signal into the Booth and Rec.
- Only DN-X900 : Puts the MAIN/AUX Mic signal into the Booth, Zone, Rec and Digital out signal path.

#### 5 AUX MIC level control

- Adjusts the level of the Aux Mic input.

#### 6 AUX MIC ON/OFF button

- When the button is lit, Aux Mic signal is transferred to output section, otherwise Aux Mic input is muted.

#### 7 TALK OVER ON/OFF button

- Use this to switch the Talk Over function ON and OFF. (ON/OFF is cyclic)
- When the button is lit, level of signals except Mics is attenuated.
- The Talk Over attenuation level adjusts. See below 52.

#### 8 Source EQ controls

- Use VRs with center detent for equaliser.

##### HI

- Adjusts the high-tone sound –35 dB to +10 dB. At the center position, sound is flat.

##### MID

- Adjusts the mid-tone sound –35 dB to +10 dB. At the center position, sound is flat.

##### LOW

- Adjusts the low-tone sound –35 dB to +6 dB. At the center position, sound is flat.

#### 9 EQ ON/ OFF buttons

- When this is lit EQ is on, otherwise EQ is bypassed.

#### 10 GAIN level control

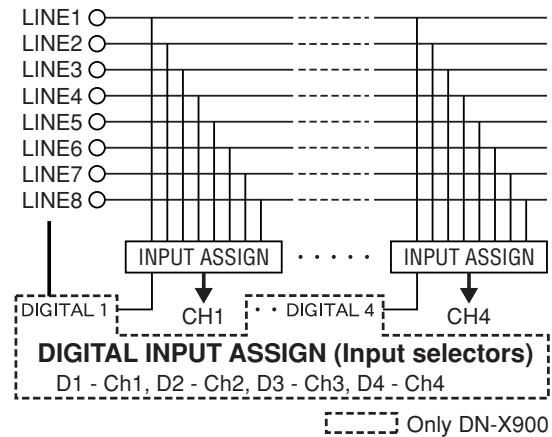
- Adjusts the level of the selected input –∞ to +15 dB.

#### 11 CH LEVEL meter Display range : –15 dB to +12 dB.

- Displays the input level after adjusted with GAIN 10 and EQ 8 controls.

#### 12 SOURCE INPUT ASSIGN (Input selectors)

- Select any source from eight inputs (PHONO1/LINE1, LINE2, PHONO2/LINE3, LINE4, PHONO3/LINE5, LINE6, LINE7, LINE8) for each channel independently. (PHONO3 : Only DN-X900)
- You also can assign the same input to several channels for creative mixing.



#### 13 Source input fader (Ch. fader)

- Controls the level of the selected Input.

#### 14 BOOTH level control

- Adjusts the level of the Booth outputs.

#### 15 BOOTH ASSIGN switch

- Selects the source of the BOOTH output.

#### 16 MASTER LEVEL control

- Adjusts the level of the MASTER outputs.

#### 17 MASTER BALANCE control

- Adjusts the L/R balance of the MASTER output.

#### 18 Peak dB CUE/PROGRAM meter

- Displays the output level following Master Level adjustment, the peak level is held for 1 second. Display range: –15 dB to +12 dB.
- Can switch between two display modes. See below 24, 25.

#### 19 EFFECT LOOP ON/OFF button

- Routes the assigned signal through the external processor attached to the SEND/RETURN connectors on the rear.
- When the EFFECT is ON, the button is lit.
- The effect button is flashing when there is no connection of the effects.

#### 20 EFFECT LOOP WET/DRY control

- Use this to adjust the ratio of original and effected sound.

#### 21 EFFECT LOOP ASSIGN switch

- Use this to select the source of the external processor.

#### 22 HEADPHONE output jack

- Accepts 1/4" stereo headphone plugs.

#### 23 HEADPHONE level control

- Adjusts the volume for the headphones.

## 24 SPLIT CUE button

- In the STEREO mode, this button feeds STEREO Program (CUE MASTER) and Cue to both earcups, in the SPLIT CUE (MONO) mode, the headphone circuit provides MONO Cue to the left ear and MONO Program (MASTER) to the right.
- In the STEREO mode, the meter indicates the stereo level in the LEFT and RIGHT Master Outputs. In the SPLIT CUE (MONO) mode, mono Cue level is displayed on the Left meter and mono Program (CUE MASTER) level is displayed on the Right meter.
- In the SPLIT CUE (MONO) mode, the button is lit.

## 25 HEADPHONE PAN control

- Serves two purposes... In the STEREO mode it changes the relative levels of the Cue and Program mixed together in both ear cups. In the MONO mode it changes the balance between the Mono Cue in the left ear cup and the Mono Program in the right.

## 26 CUE buttons

- Pressing in any or all of CUE buttons routes the respective source to the headphone and meter cue sections. Pressing multiple buttons makes it possible to derive mixed sound from the selected sources.

## 27 CROSSFADER ASSIGN switch

### A, B:

- The channel source is assigned to A or B of the Crossfader.

### POST:

- Select when you don't assign the channel source into the Crossfader.

## 28 CROSSFADER

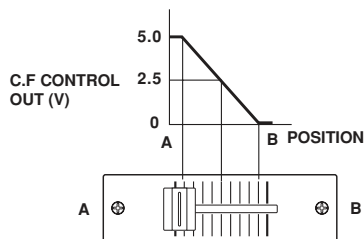
- Controls the relative output level from the summed A and B Mixes. When the fader is at its far left, only the A Mix is heard from the Outputs. As the fader is moved toward the right, the amount of B Mix is increased and the amount of A Mix is decreased. When the fader is centered, equal amounts of A and B Mixes are routed to the Outputs. Fully right is all B Mix at the Outputs.

### •LINE 2, 4, 6, 8 FADER output jacks (Rear Panel 44)

φ3.5 mm stereo mini jack Others should not be affected a terminal short-circuit.

### •X-CONTROL

In the future, an external effector will be controlled.



### •X- CONTROL Voltage output jack (Rear Panel 53)

Tip : CROSSFADER CONTROL Voltage Sleeve : GND

## 29 CROSSFADER CONTOUR control

- Allows adjusting the "shape" of the Crossfader response from a gentle curve for smooth, long running fades, to the steep pitch required for top performance cut and scratch effects.

## 30 POWER indicator

- When the blue indicator is lit, the DN-X500/DN-X900 is ready to go.

## 31 CROSSFADER START A, B switches

- Use this to switch the Crossfader Start function ON and OFF.

## 32 CH. FADER START switches

- This function will start the performance of CD player with Ch. Fader automatically is on/off.

### FADER START

If the separately sold DN-S3500, DN-D4500 and etc. players are connected to LINE2, 4, 6 or 8, they can be started using the source input fader (Ch. Fader) or Crossfader, as long as the 3.5 mm stereo mini cords have been connected.

## 33 Only DN-X900 : TRACK MARK (DIGITAL OUT) button

- The track number is switched when this button is pressed during recording onto a digital recorder using the digital outputs.

## 34 Only DN-X900 : ZONE level control

- Adjusts the level of the ZONE outputs.

## (2) Rear Panel

- 35 POWER switch**
- Press the switch to turn the power on.
- 36 MAIN OUT (BALANCED) connectors**
- These XLR type connectors provide a balanced line level output.
  - Connect these connectors to the balanced analog input connectors on an amplifier or console.
  - Pin layout: 1. Common, 2. Hot, 3. Cold
  - Applicable connector: Cannon XLR-3-31 or equivalent.
- 37 MAIN OUT (UNBALANCED) jacks**
- This stereo pair of RCA jacks provides a unbalanced line level output.
  - Connect these jacks to the unbalanced analog input jacks on an amplifier or console.
- 38 BOOTH OUT (BALANCED) connectors**
- These XLR type connectors provide a balanced line level output with independent front panel Zone Level controls and are not affected by the Master Level control.
  - Connect these connectors to the balanced analog input connectors on an amplifier or console.
  - Pin layout: Tip: Hot, Ring: Cold, Sleeve: GND (DN-X500)
  - Pin layout: 1. Common, 2. Hot, 3. Cold (DN-X900)
  - Applicable connector: Cannon XLR-3-31 or equivalent.
- 39 SUBWOOFER/LIGHTING output jack**
- This 1/4" jacks provide a mono line level output of Main Out. The signal is affected by the Master Level fader.
  - Connect these jacks to the subwoofer/Lighting input jack on an amplifier.
- 40 SUBWOOFER/LIGHTING frequency control**
- Adjusts the cut off frequency of the low pass filter 40 Hz to 200 Hz.
  - The low adjustment, will affect the Subwoofer/Lighting output.
- 41 REC OUT jacks**
- This stereo pair of RCA jacks provides a line level output. The signal is unaffected by the Master Level control.
  - It is intended for use with a tape recorder, but is not restricted to that purpose.
- 42 SEND/RETURN jacks**
- These 1/4" TS mono jacks allow external processing of the program signal.
  - When connect monaural type effect processor, use Lch input and output.
- 43 LINE 2, 4, 5, 6, 7, 8 input jacks**
- These stereo pairs of unbalanced RCA jacks are Inputs for any line level device.
- 44 LINE 2, 4, 6, 8 FADER output jacks**
- Connect these jacks to the Fader input jacks of the DN-1800F, the DN-2100F, the DN-2600F, the DN-S3000, the DN-S4000, the DN-S5000 and etc using the 3.5 mm stereo mini cord.
- 45 PHONO 1, 2/LINE 2, 3 input jacks (DN-X500)  
PHONO 1, 2, 3/LINE 2, 3, 5 input jacks (DN-X900)**
- These stereo pairs of unbalanced RCA jacks are Inputs for a Phono (RIAA) stage for magnetic (MM) cartridges or a Line stage suitable for any device, such as a CD player.
- 46 PHONO 1, 2/LINE 1, 3 switches (DN-X500)  
PHONO 1, 2, 3 /LINE 1, 3, 5 switches (DN-X900)**
- These switches change the Input from Phono to Line level inputs.
  - These switches set Line level inputs when Turntable is not connected.
- 47 Phono Ground screws**
- This screws provide a place to connect the ground wire from a turntable.  
This terminal is exclusively for a turntable grounding and not a safety earth ground.
- 48 MAIN MIC input jack**
- Neutric combo jack.
  - Accepts either a balanced microphone with an XLR connector or a balanced microphone with 1/4" TRS mono jacks.
- 49 AUX MIC input jack**
- Accepts a balanced microphone with 1/4" jacks.
- 50 LEVEL ATT (Master out level attenuator)**
- Use this to attenuate the MASTER output level (-10 dB).
  - Reference is 0 dB
- 51 MASTER MONO OUT ON/OFF switch**
- When this switch is on, mixed L and R signal is outputted from the MASTER OUT.
- 52 TALK OVER ATTENUATION LEVEL control**
- The Talk Over attenuation level can be adjusted. (-∞ ~ -20 dB)
- 53 X-CONTROL output jacks**
- In the future, an external effector will be controlled.
- 54 Only DN-X900 : ZONE OUT jacks**
- These 1/4" jacks provide a balanced line level output with independent front panel.  
Zone Level controls and are not affected by the Master Level control.
  - Connect these jacks to the balanced analog input jacks on an amplifier or console.
- 55 Only DN-X900 : DIGITAL OUT (COAXIAL) jack**
- These RCA jacks provide a digital output data.  
The signal is unaffected by the Master Level fader.
  - We recommend using a 75Ω/ohm RCA cord for best digital transfer.
- 56 Only DN-X900 : DIGITAL OUT (OPTICAL) jack**
- The signal is unaffected by the Master Level fader.
- 57 Only DN-X900 : DIGITAL 1, 2, 3, 4 input jacks**
- These RCA jacks are Inputs for any digital output device.
  - We recommend using a 75Ω/ohm RCA cord for best digital transfer.  
(Available from any audio/video retailer)
- 58 Only DN-X900 : MAIN MIC SEND/RETURN jacks**
- These 1/4" TRS jacks allow external processing of the program signal.  
Tip: Send Ring: Return Sleeve: GND

## 4 CONNECTIONS

Refer to the Connection Diagram below.

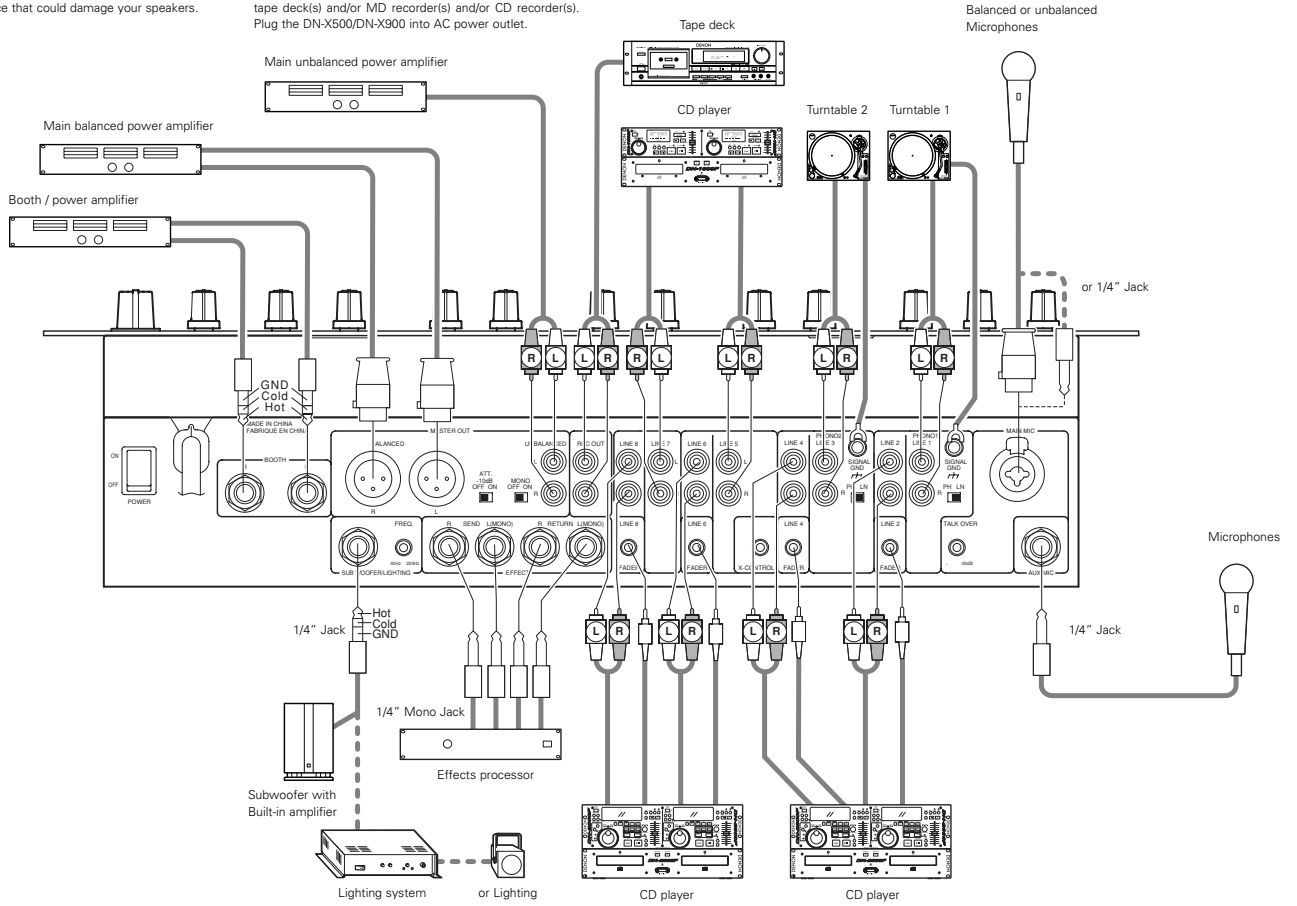
1. Make certain AC power is off while making connections.
2. Quality cables make a big difference in fidelity and punch. Use high-quality, audio cables.
3. Do not use excessively long cables. Be sure plugs and jacks are securely fastened. Loose connections cause hum, noise, or intermittence that could damage your speakers.

4. Connect all stereo input sources. Then connect any effects into the stereo Effect, if used. Connect your Microphone(s) and monitor headphones. Make sure all faders are at "zero" and the unit is off. Take care to connect only one cable at a time, pay attention to L and R position of jacks, on both the DN-X500/DN-X900 and outboard gear.
5. Connect the stereo outputs to the power amplifier(s) and/or tape deck(s) and/or MD recorder(s) and/or CD recorder(s). Plug the DN-X500/DN-X900 into AC power outlet.

### NOTE:

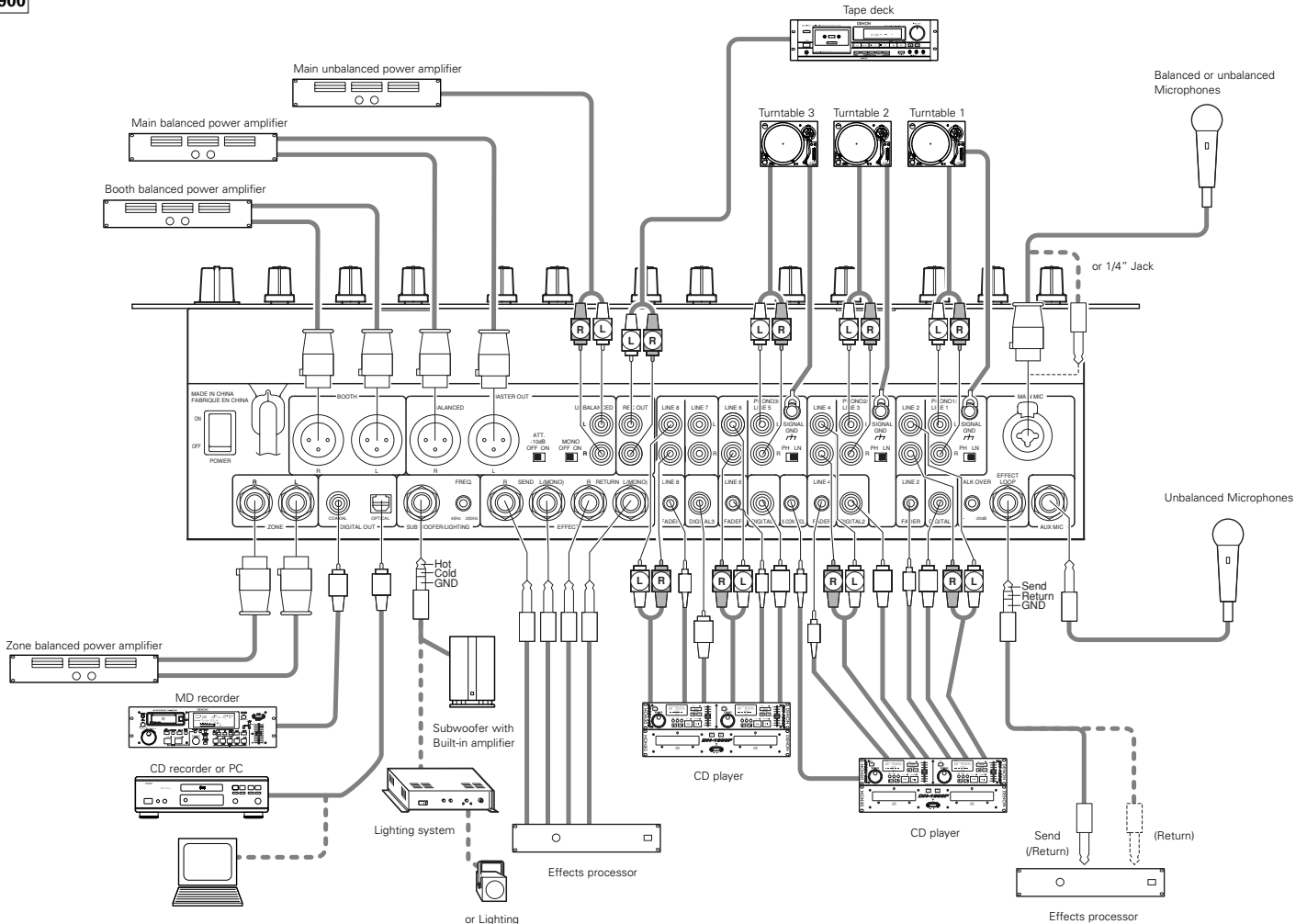
Always switch on your audio input sources such as CD players first, then your mixer, and finally any amplifiers. When turning off, always reverse this operation by turning off amplifiers, then your mixer, and then input units.

### DN-X500



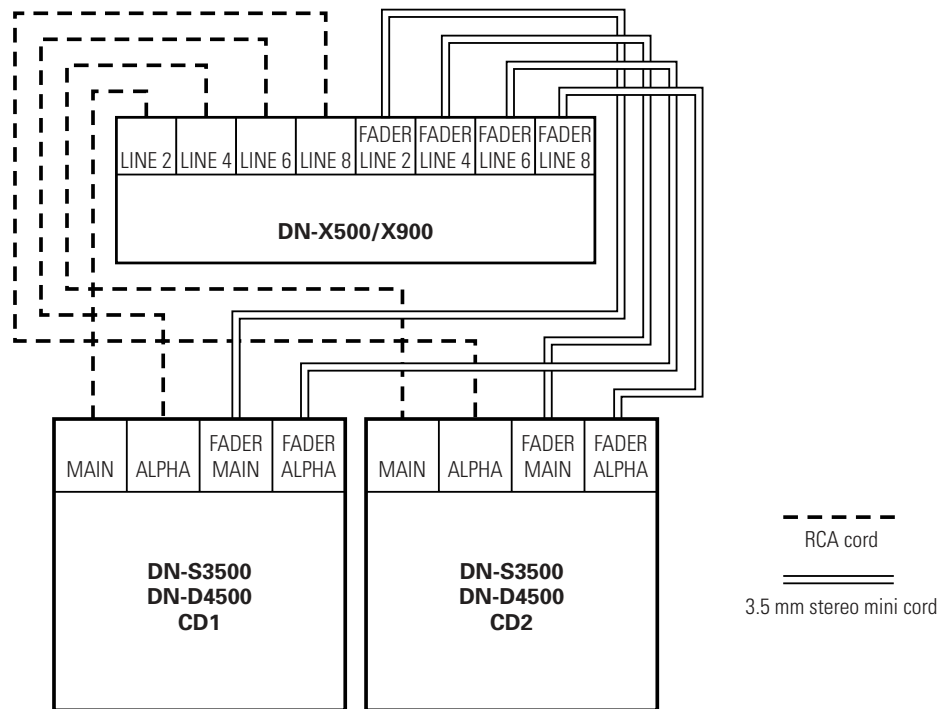
## CONNECTIONS

### DN-X900

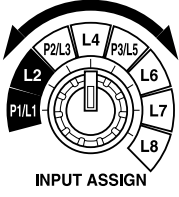
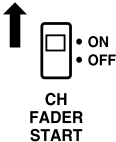
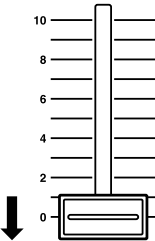
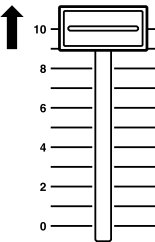


## 5 FADER START

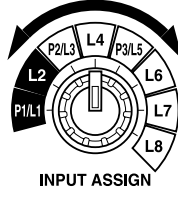


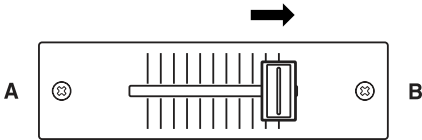
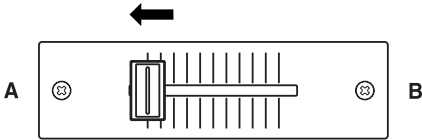
If the separately sold DN-S3500, DN-D4500 and etc. players are connected to LINE2, 4, 6 or 8, they can be started using the source input fader (Ch. Fader) or Crossfader, as long as the 3.5 mm stereo mini cords have been connected.



## Channel Fader Start

1	Turn the INPUT ASSIGN switch 12 to select the desired source from LINE2, 4, 6 or 8.	 <p style="text-align: center;">INPUT ASSIGN</p>
2	Turn on the CH FADER START switch 32. (CROSS FADER ASSIGN position is POST)	 <p style="text-align: center;">CH FADER START</p>
3	Move the source input fader (Ch. Fader) 13 of CH-1, CH-2, CH-3 or CH-4 control all the way to the bottom.	
4	Set the standby mode on CD player.	
5	When you want to start the player, move up the source input fader (Ch. Fader) 13 and the CD player will begin playing.	

## Crossfader Start

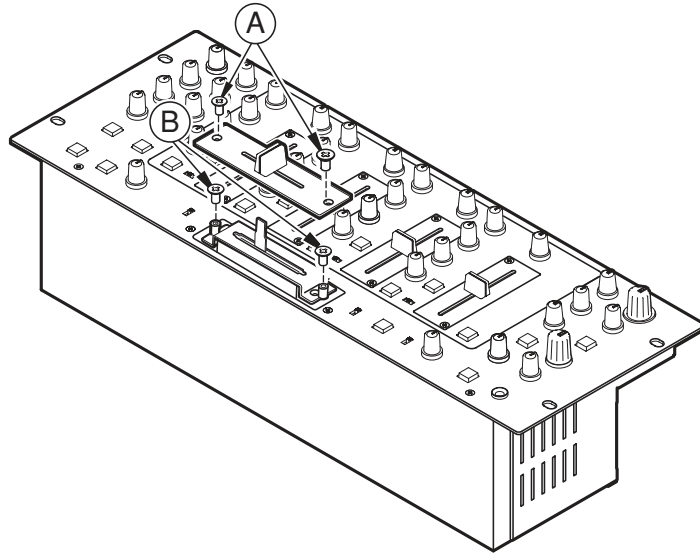
1	Turn the INPUT ASSIGN switch 12 to select the desired source from LINE2, 4, 6 or 8.	 <p style="text-align: center;">INPUT ASSIGN</p>
2	Using the CROSSFADER ASSIGN switch 27, assign the channel or Sampler source into A or B of Crossfader.	 <p style="text-align: center;">CROSSFADER ASSIGN</p>
3	Turn on the CROSSFADER START A, B switches 31.	
4	Slide the Crossfader 28 all the way in direction opposite the source you want to start. (In the following example, startup is done with the CD player connected set to Assign A.)	
5	Set the standby mode on CD player.	
6	Use the CROSSFADER CONTOUR control 29 to control the cross fader startup curve.	
7	When the Crossfader 28 is slid in the opposite direction, CD player play will begin.	



## 6 REPLACING THE CROSSFADER

The Crossfader may be removed without disassembly of DN-X500 and DN-X900 itself.

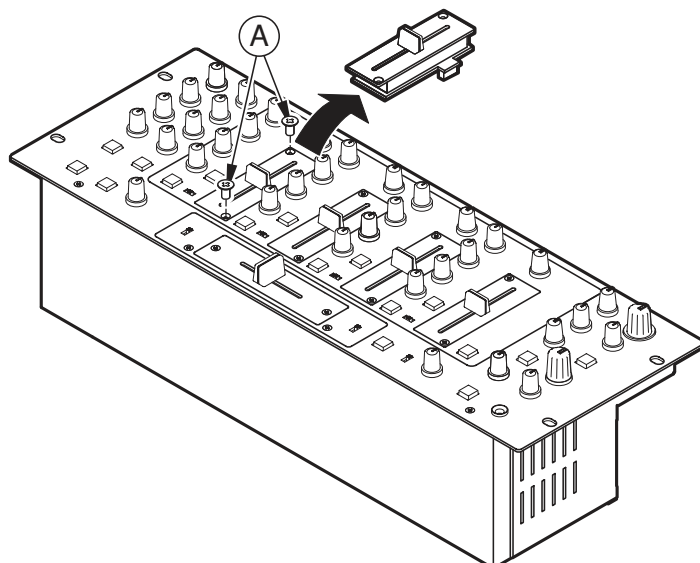
1. Pull out the crossfader knob.
2. Remove the two outer screws (A) attaching the crossfader plate.
3. Remove the two screws (B) attaching the crossfader bracket assembly from chassis.
4. Pull the crossfader bracket assembly forward and unplug the 3P cable from the connector on the panel board.



## 7 REPLACING THE CHANNEL FADER

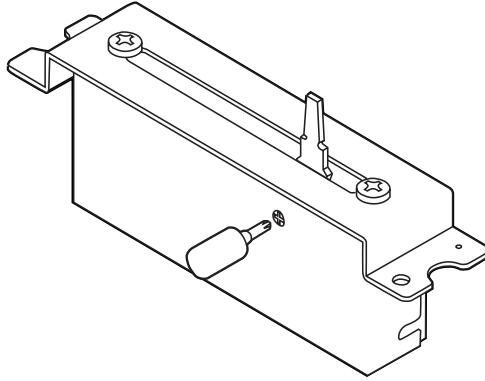
The Channel fader may be removed without any disassembly of the DN-X500 and DN-X900 itself.

1. Pull out the channel fader knob.
2. Remove the two outer screws (A) attaching the channel fader plate and channel fader bracket assembly from the front panel.
3. Pull the channel fader bracket assembly forward and unplug the 3P cable from the connector on the channel fader printing board.
4. Install the replacement assembly by reversing above instructions.



## **8 ONLY DN-X900 : FLEX FADER CROSSFADER SLIDE TORQUE ADJUSTMENT PROCEDURE**

1. Follow the procedure at "REPLACING THE CROSSFADER" to remove the crossfader from the set.
2. Move the lever so that the head of the screw is positioned at the hole in the case.
3. Turn the screw using a screwdriver, move the lever and adjust to the desired torque.
4. Reinstall the crossfader following the removal procedure in reverse order.



# 9 SPECIFICATIONS

## DN-X500

### ■ GENERAL

<b>Dimensions:</b>	482 (W) x 112.5 (H) x 177 (D) mm (without feet)	
<b>Installation:</b>	19-inch rack mountable 4U	
<b>Mass:</b>	5.8 kg	
<b>Power supply:</b>	120 V AC $\pm 10\%$ , 60 Hz	(U.S.A. and Canada models)
	230 V AC $\pm 10\%$ , 50 Hz	(European models)
<b>Power consumption:</b>	27 W	
<b>Environmental conditions:</b>	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

#### Input Sensitivity & Impedance:

<b>Main Mic</b>	-54 dBV (2.0 mV)	1 k $\Omega$ /kohms
<b>Aux Mic</b>	-60 dBV (1.0 mV)	1 k $\Omega$ /kohms
<b>Effect (Return)</b>	-14 dBV (200 mV)	50 k $\Omega$ /kohms
<b>2-Phono</b>	-50 dBV (3.0 mV)	50 k $\Omega$ /kohms
<b>8-Line</b>	-14 dBV (200 mV)	50 k $\Omega$ /kohms

#### Output level & Impedance:

<b>Main (Balanced)</b>	4 dBm (1.23 V)	600 $\Omega$ /ohms load
<b>Main (Unbalanced)</b>	0 dBV (1.0V)	1 k $\Omega$ /kohms
<b>Booth(Balanced)</b>	4 dBm (1.23 V)	600 $\Omega$ /ohms load
<b>Rec (RCA)</b>	-10 dBV (316 mV)	1 k $\Omega$ /kohms
<b>Effect (Send)</b>	-14 dBV (200 mV)	1 k $\Omega$ /kohms
<b>Subwoofer</b>	2 dB (0.975 V)	600 $\Omega$ /ohms
<b>Headphone</b>	0 dB (1.0 V)	32 $\Omega$ /ohms (33 $\Omega$ /ohms load)

#### Frequency Response:

<b>Line</b>	20 to 20 kHz $\pm 2$ dB
<b>Phono</b>	20 to 20 kHz RIAA $\pm 2$ dB
<b>Mic</b>	20 to 20 kHz $\pm 2$ dB

#### Signal to Noise ratio:

<b>Line</b>	82 dB	0 dBm, 1 kHz, EQ flat
<b>Phono</b>	75 dB	0 dBm, 1 kHz, EQ flat
<b>Main Mic</b>	65 dB	0 dBm, 1 kHz, EQ flat

#### Total harmonic distortion rate:

<b>Line</b>	Below 0.05%
<b>Phono</b>	Below 0.05%

#### Cross talk:

Over 70 dB

#### Channel equalizer:

<b>Hi</b>	+10 dB, -35 dB (16 kHz)
<b>Mid</b>	+10 dB, -35 dB (1 kHz)
<b>Low</b>	+6 dB, -35 dB (60 Hz)

#### Microphone equalizer:

<b>Hi</b>	+12 dB, -12 dB (10 kHz)
<b>Mid</b>	+12 dB, -12 dB (1 kHz)
<b>Low</b>	+12 dB, -12 dB (100 Hz)

\* Specifications and design are subject to change without notice for purpose of improvement.

## DN-X900

### ■ GENERAL

<b>Dimensions:</b>	482 (W) x 112.5 (H) x 177 (D) mm (without feet)	
<b>Installation:</b>	19-inch rack mountable 4U	
<b>Mass:</b>	5.9 kg	
<b>Power supply:</b>	120 V AC $\pm 10\%$ , 60 Hz	(U.S.A. and Canada models)
	230 V AC $\pm 10\%$ , 50 Hz	(European models)
<b>Power consumption:</b>	33 W	
<b>Environmental conditions:</b>	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

#### Input Sensitivity & Impedance:

<b>Main Mic</b>	-54 dBV (2.0 mV)	10 k $\Omega$ /kohms
<b>Aux Mic</b>	-60 dBV (1.0 mV)	10 k $\Omega$ /kohms
<b>Effect (Return)</b>	-14 dBV (200 mV)	50 k $\Omega$ /kohms
<b>3-Phono</b>	-50 dBV (3.0 mV)	50 k $\Omega$ /kohms
<b>8-Line</b>	-14 dBV (200 mV)	50 k $\Omega$ /kohms

#### Output level & Impedance:

<b>Main (Balanced)</b>	4 dBm (1.23 V)	600 $\Omega$ /ohms load
<b>Main (Unbalanced)</b>	0 dBV (1.0 V)	1 k $\Omega$ /kohms
<b>Zone (Balanced)</b>	4 dBm (1.23 V)	600 $\Omega$ /ohms load
<b>Booth(Balanced)</b>	4 dBm (1.23 V)	600 $\Omega$ /ohms
<b>Rec (RCA)</b>	-10 dBV (316 mV)	1 k $\Omega$ /kohms
<b>Effect (Send)</b>	-14 dBV (200 mV)	1 k $\Omega$ /kohms
<b>Subwoofer/Lighting(Balanced)</b>	2 dBm (0.975 V)	600 $\Omega$ /ohms
<b>Headphone</b>	0 dBV (1.0 V)	32 $\Omega$ /ohms (33 $\Omega$ /ohms load)

#### Frequency Response:

<b>Line</b>	20 to 20 kHz $\pm 2$ dB
<b>Phono</b>	20 to 20 kHz RIAA $\pm 2$ dB
<b>Mic</b>	20 to 20 kHz $\pm 2$ dB

#### Signal to Noise ratio:

<b>Line</b>	82 dB	0 dBm, 1 kHz, EQ flat
<b>Phono</b>	75 dB	0 dBm, 1 kHz, EQ flat
<b>Main Mic</b>	65 dB	0 dBm, 1 kHz, EQ flat

#### Total harmonic distortion rate:

<b>Line</b>	Below 0.05%
<b>Phono</b>	Below 0.05%

#### Cross talk:

Over 70 dB

#### Channel equalizer:

<b>Hi</b>	+10 dB, -35 dB (16 kHz)
<b>Mid</b>	+10 dB, -35 dB (1 kHz)
<b>Low</b>	+6 dB, -35 dB (60 Hz)

#### Microphone equalizer:

<b>Hi</b>	+12 dB, -12 dB (10 kHz)
<b>Mid</b>	+12 dB, -12 dB (1 kHz)
<b>Low</b>	+12 dB, -12 dB (100 Hz)

#### Only DN-X900

#### Digital input:

<b>Input sensitivity</b>	-26 dB FS
<b>Signal format</b>	SPDIF (IEC60958 Type III 32 kHz ~ 48 kHz 24 bit) (COAXIAL)

#### Digital output:

<b>Signal format</b>	IEC60958 Type II (OPTICAL, COAXIAL)
<b>Output level</b>	0.5 Vp-p 75 $\Omega$ /ohms (COAXIAL)

\* Specifications and design are subject to change without notice for purpose of improvement.

**D&M Holdings Inc.**  
**PROFESSIONAL BUSINESS COMPANY**

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