

gemini PS-424 Mixer

10" 2 CHANNEL STEREO MIXER

PROFESSIONELLER 2-KANAL STEREO-MIXER

MEZCLADOR ESTEREO DE 2 CANALES PROFESIONAL

MIXER STEREO 2 VOIES PROFESSIONNEL

OPERATIONS MANUAL

BEDIENUNGSHANDBUCH

MANUAL DEL OPERADOR

MANUEL D'INSTRUCTIONS



gemini
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MULTI LANGUAGE INSTRUCTIONS

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PLEASE READ BEFORE USING APPLIANCE, IMPORTANT WARNING & SAFETY INSTRUCTIONS!



CAUTION

RISK OF ELECTRICAL SHOCK DO NOT OPEN!



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

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.

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.

READ INSTRUCTIONS: All the safety and operating instructions should be read before the product is operated.

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

HEED WARNINGS: All warnings on the product and in the operating instructions should be adhered to.

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

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

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

WATER AND MOISTURE: Do not use this product near water, for example, near a bathtub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

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.

CART: 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. See Figure A.

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.

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.

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

NON-USE PERIODS: The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

GROUNDING OR POLARIZATION:

• If this product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other), it will fit into the 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.

• If this product is equipped with a three-wire grounding type plug, a plug having a third (grounding) pin, it will only fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

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.

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 B.

LIGHTENING: 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.

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.

OVERLOADING: Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

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.

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.

DAMAGE REQUIRING SERVICE: Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- 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.
- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance, this indicates a need for service.

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.

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.

WALL OR CEILING MOUNTING: The product should not be mounted to a wall or ceiling.

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



Fig. A

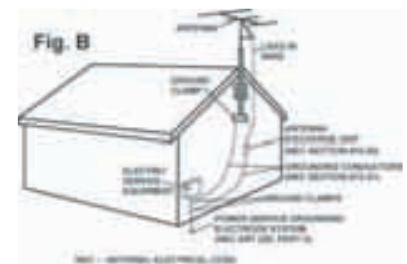
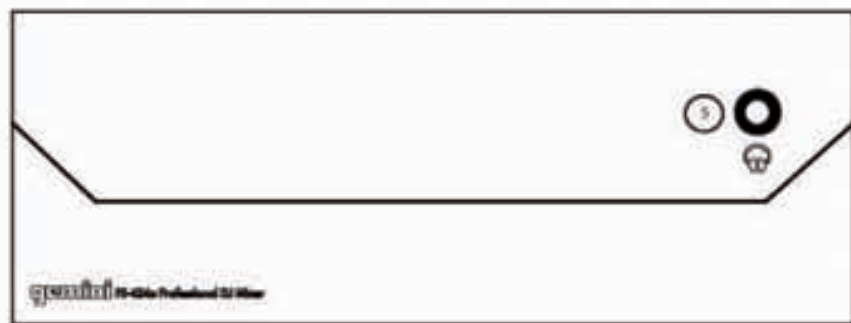
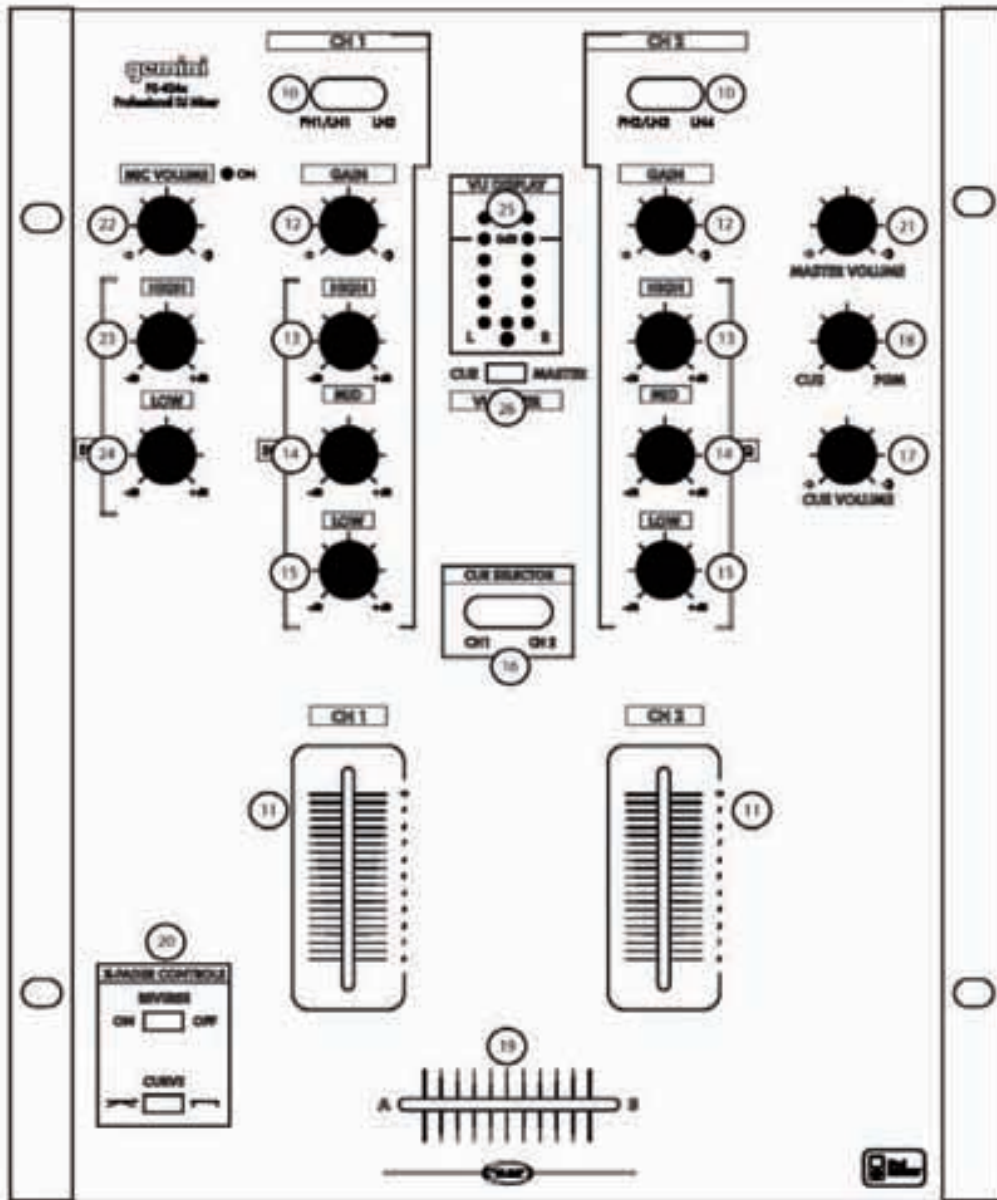
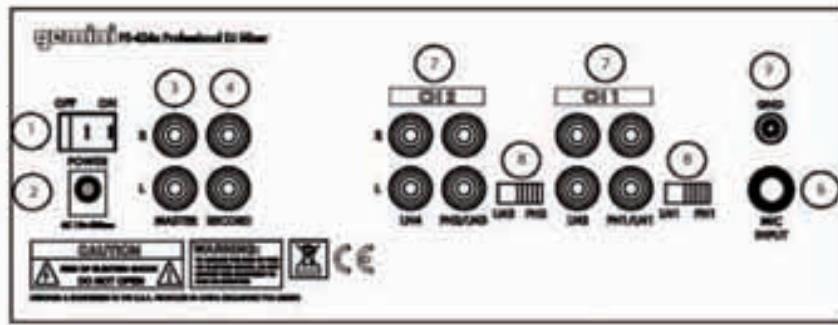


Fig. B





INTRODUCTION:

Congratulations on your purchase of a **Gemini PS-424x 10" 2 channel stereo mixer**. This state-of-the-art mixer features the latest technological advances and is backed by a 1 year warranty, excluding the **cross fader**. The **cross fader** is backed by a separate **90 day warranty**. Prior to use we suggest that you carefully read all the instructions.

FEATURES:

- 10" 2 stereo channel mixer
- 4 line, 2 convertible phono/line, RCA inputs
- Master & record RCA outputs
- Microphone Input
- Ground screw for easy connectivity

FACE:

- Removable face plate for user replaceable **Rail Glide** cross fader
- 3 band rotary line EQ with cut feature & rotary gain channel control
- Cue Toggle Switch for easy channel cue
- Rotary cue volume, CUE/PGM, zone, & balance control
- Dual VU display with bright LED & mode switch
- Master volume rotary control

FRONT:

- 1/4" headphone output

PRECAUTIONS:

1. All instructions should be read before using this equipment.
2. To reduce the risk of electrical shock, do not open the unit. Please refer all servicing needs to a **Gemini-qualified service technician**.

IN THE USA ~ IF YOU EXPERIENCE PROBLEMS WITH THIS UNIT
CALL GEMINI CUSTOMER SERVICE AT: 1 (732) 346-0061. DO NOT
ATTEMPT TO RETURN THIS EQUIPMENT TO YOUR DEALER.

3. Do not expose this unit to direct sunlight or a heat source such as a radiator or stove.
4. This unit should be cleaned only with a damp cloth. Avoid solvents or other cleaning detergents.
5. When moving this equipment it should be placed in its original carton and packaging. This will reduce the risk of damage during transit.
6. **DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.**
7. **DO NOT USE SPRAY CLEANERS OR LUBRICANTS ON CONTROLS, SURFACES OR SWITCHES.**

CONNECTIONS:

1. Ensure that the **POWER SWITCH** (1) is in the **OFF** position prior to making any connections. This unit comes with a power cord. Plug into the rear panel **POWER CORD** (2) jack before plugging it into a proper power source.
2. The **PS-424x** has 2 stereo outputs located on the rear panel:
 - The **MASTER RCA OUTPUT** (3) connects the mixer to your main amplifier using standard audio cables with **RCA-type connectors**.

The **REC** (4) output jacks can be used to connect the mixer to the record input of your recording unit, thus enabling you to record your mix with **RCA** cables.

4. Headphones may be plugged into the front panel-mounted **HEADPHONE** (5) 1/4" jack.

5. Microphones may be plugged into the rear panel-mounted **MICROPHONE** (6) 1/4" jack.

6. The **PS-424x** has 2 **CONVERTIBLE PHONO/LINE (PH/LN) RCA INPUTS** (7) located on the rear panel on either side of the **RCA INPUTS**. Facing the rear panel, the convertible **RCA** input on your right is for **PH 1/LN 1** (7). The convertible **RCA** input on your left is for **PH 3/ LN 5** (7). Using the **PH/LN CONVERTERS** (8), located just below each input, you may convert the **PH** to **LN** and vice versa. Plug the **RCA's** from your playable medium into each input to be connected to their respective **CHANNELS (CH)**. When the **PH/LN CONVERTERS** (8) are set to Phono, the **CONVERTIBLE PHONO/LINE (PH/LN) RCA INPUTS** (7) only accept turntables with a magnetic cartridge. The **STEREO LN INPUTS** (7) only accept line level inputs such as a **CD, DAT, Mini Disc**, etc and require the proper switch setting.

7. When using (a) turntable(s), you will need to ground the **RCA** cable(s) by screwing in the grounding fork(s) to the **GROUNDING SCREW** (9) located in the rear panel of the **PS-424x** mixer. Attach each **PH** ground line to the **GROUND THUMB SCREW** (9). This is located directly above the **REAR PANEL MICROPHONE JACK** (6).

NOTE: WHEN USING TURNTABLES, NOT ATTACHING A GROUND MAY CAUSE A SYSTEM "HUM."

1. Once all of your connections have been made in the rear panel, turn on the mixer by pressing the **POWER SWITCH** (1).

2. **CH 1:** To bring this channel into program output (**PGM**), you must first decide which line will be in use. Use the **LN SWITCH** (10) to toggle from **PH 1/LN 1** to **LN 2** on this channel. Once you've selected the proper line, slowly raise the **CH 1 SLIDE CONTROL** (11) to a comfortable level. You can further modify the sound output of this channel by adjusting the rotary **GAIN** (12), **HIGH** (13), **MID** (14), **LOW** (15) controls located above the **CH 1 SLIDE CONTROL** (11).

3. **CH 2:** To bring this channel into **PGM**, you must first decide which line will be in use. Use the **LN SWITCH** (10) to toggle from **PH 2/LN 3** to **LN 4** on this channel. Once you've selected the proper line, slowly raise the **CH 2 SLIDE CONTROL** (11) to a comfortable level. You can further modify the sound output of this channel by adjusting the rotary **GAIN** (12), **HIGH** (13), **MID** (14), **LOW** (15) controls located above the **CH 2 SLIDE CONTROL** (11).

NOTE: FOR OPTIMAL PERFORMANCE, BEGIN PROGRAM MIX WITH ROTARY GAIN (12) CONTROLS SET TO MINIMUM (ROTATE IT COUNTER-CLOCKWISE TO THE COUNTER CLOCKWISE POSITION). MAKE ALL ADJUSTMENTS IN SOUND OUTPUT WITH THE USE OF YOUR CHANNEL SLIDE CONTROLS AND MASTER (21) VOLUME ROTARY CONTROLS. THIS WILL PREVENT SIGNAL OVERLOAD AND DECREASE DISTORTION. ONCE YOU HAVE MODIFIED YOUR SOUND AND WOULD LIKE TO INCREASE THE OUTPUT OF YOUR SOUND, THEN YOU MAY ADJUST THE ROTARY GAIN CONTROL IF NEEDED.

5. **CUE:** By connecting a set of headphones to the **HEADPHONE** (5) jack, you can monitor any or all channels.



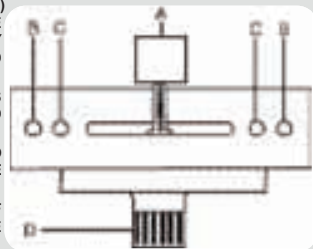
Use the Toggle switch for **CH 1** to **CH 2 (16)** to assign the **CH(s)** to be monitored in your headphones.

Use the face panel located rotary **CUE VOLUME CONTROL (17)** to adjust the **CUE** volume without changing the overall mix. By turning the face panel located **CUE/MIX/PGM ROTARY CONTROL (18)** counter clockwise you will be able to monitor the assigned cue signal. Slowly turning the control clockwise to middle position allows you to monitor **CUE MIX** with **PGM**. Moving the control clockwise to the right allows you to monitor **PGM (Main)** output.

6. CROSS FADER SECTION: The **CROSS FADER (19)** allows you to mix from one source to another. The **CROSS FADER (19)** in your unit is removable and if the need arises can be easily replaced. Your **Gemini** mixer comes with an **RG-45 (RAIL GLIDE™) DUAL-RAIL CROSS FADER**, which has internal dual stainless steel rails that allow the slider to ride smoothly and accurately from end to end, and a special mix curve. There are also **CURVE** and **REVERSE** controls (20) controls located on the front panel for adjusting the speed in which the audio comes in on each side of the crossfader and the direction each channel comes in from. Also available is our **RG-45 Pro (RAIL GLIDE Pro™) DUAL-RAIL CROSS FADER**. This unique **CROSS FADER** features, a lighter feel and smoother curve specially made for scratching. Just purchase one from your **Gemini** dealer and follow the instructions:**NOTE: DO NOT APPLY PRESSURE WHILE**

REPLACEABLE CROSS FADER

1. UNSCREW THE OUTSIDE FACE PLATE SCREWS ON THE LOWER HALF OF THE MIXER. REMOVE THE FADER CAPS AND FACE PLATE.
2. UNSCREW THE FADER (B) SCREWS. DO NOT TOUCH INSIDE SCREWS (C). CAREFULLY REMOVE OLD CROSS FADER AND UNPLUG CABLE (D).
3. PLUG IN THE NEW CROSS FADER INTO CABLE (D) AND PLACE BACK INTO MIXER.
4. SCREW THE CROSS FADER TO MIXER WITH THE FADER PLATE SCREWS (B).
5. REPLACE THE LOWER HALF FACE PLATE AND SCREW TO THE MIXER.



USING THE **CROSS FADER (46)**. LIGHTLY GLIDE THE **CROSSFADER** BACK AND FORTH. PRESSING DOWN ON THE CONTROLS CAN BEND CONTACTS AND CAUSE A LOSS OF SOUND.

7. OUTPUT SELECTION CONTROL: Once you are comfortable with the sound level of your music you may adjust the volume with the **MASTER (21)** rotary control.

8. MIC SECTION: Plug your main **MIC** into the **MIC 1/4"** input (6) located on the rear panel. You can use the **Mic Gain Control (22)** as well as the **HIGH (23)** and **LOW (24)** controls to adjust the volume and tone of the microphone signal

9. VU METER: The **PS-424x** has a dual mode **VU METER (25)** that allows you to monitor the decibel levels of **CUE** and **PGM** or **LEFT** and **RIGHT** stereo levels of the **MASTER** output. With the **VU MODE SWITCH (26)** you may monitor the output level of the **CUE** and **PGM** when the switch is **UP**. When this mode is engaged the **CUE** will be located on the left of the **VU METER**, while the **PGM** will be located on the **RIGHT**. Or you can monitor the **LEFT** and **RIGHT** stereo decibel levels of the **MASTER OUTPUT** when the switch is in the **DOWN** position.

10. "Ipod Friendly" cable:To connect your Ipod or other Digital Media Player, use the included Ipod cable. Connect the 1/8" end of the cable to the headphone or line out jack of your player, and connect the RCA end to the line input (7) of your mixer.

SPECIFICATIONS:

INPUTS:

- Phono.....3 mV, 47 KOhm
- Line.....150 mV, 27 KOhm
- MIC.....1.5 mV, 1 KOhm Balanced

OUTPUTS:

- Max.....20V Peak-to-Peak
- Rec.....225 mV, 5 KOhm

GENERAL:

- Frequency Response.....20Hz - 20KHz +/- 2 dB
- Distortion.....< 0.02%
- S/N Ratio.....Better Than 85 dB
- Headphone Impedance.....16 Ohm
- Power Source (external).....115 V, 50 Hz, 15 W
- Unit Dimensions.....10" x 3.3" x 11.9"
.....(254 x 84 x 303 mm)
- Weight.....6.93 lbs (3.15 kg)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTIFICATION FOR IMPROVEMENT.



IN FRANCE

En cas de panne, merci de contacter votre revendeur. Tout appareil en panne doit y être retourné, accompagné de sa facture d'achat, de son emballage d'origine et d'un descriptif de panne. L'appareil sera ensuite expédié au SAV de GSL France. Tout produit reçu sans facture sera réparé hors garantie. GSL France ré-expédiera l'appareil au revendeur après intervention.

IN GERMANY

Die allgemeinen gesetzlichen Gewährleistungen bleiben von den Herstellergarantien unberührt. Der Garantieanspruch erlischt bei Eingriffen durch den Käufer oder durch Dritte sowie bei unsachgemässer Behandlung. Gewährleistungsansprüche sind ausschließlich gegenüber Ihrem Fachhändler geltend zu machen.

IN THE UNITED KINGDOM

In the event that you need service on your Gemini product under warranty, simply write a letter describing the problem, along with your contact information. Make sure to enclose a copy of your receipt for proof of warranty information. A return number is not required. You will be responsible for shipping charges to Gemini UK, and Gemini UK will pay to return the unit to you if it is considered under warranty.

IN SPAIN

En caso de mal funcionamiento de esta unidad, por favor contacte con el Servicio de Atención al Cliente en el teléfono 93 436 37 00 que le asesorará sobre el procedimiento correcto para solucionarlo. En caso de ser necesario enviar la unidad para su reparación, el Servicio de Atención al Cliente le proveerá de un número de incidencia, así como de la dirección del Servicio de Asistencia Técnica más cercano a su residencia.



Save postage and register your product online at www.geminidj.com and automatically be registered for great prize giveaways!

If you do not have internet access, fill out the form below and mail to the appropriate address listed at the right side of this page.

First Name: _____ Initial: _____ Last Name: _____

Address: (Number and Street) _____ Apt #: _____

City: _____ State: _____ or Province: _____

Country: _____ Zip Code: _____ or Postal Code: _____

E-mail Address: _____

Phone #: _____ Age: _____ Date of Birth: _____
 Month Day Year

Date of Purchase: _____ Purchase Price: \$ _____ .00
 Month Day Year (EXCLUDING TAX)

Dealer: _____

City: _____

Model Number: (Example: CDT-05) _____ Serial Number: (Located on back of most units) _____

Cut along this line & keep the rest of this page for your records.

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WARRANTY AND REPAIR:

All Gemini products are designed and manufactured to the highest standards in the industry. With proper care and maintenance, your product will provide years of reliable service.

LIMITED WARRANTY

A. Gemini warrants its products to be free from defects in materials and workmanship for **One (1) year** from the original purchase date.

Exceptions: Laser assemblies on CD Players, cartridges, and crossfaders are covered for 90 days.

B. This limited warranty does **not** cover damage or failure caused by abuse, misuse, abnormal use, faulty installation, improper maintenance or any repairs other than those provided by an authorized Gemini Service Center.

C. There are no obligations of liability on the part of Gemini for consequential damages arising out of or in connection with the use or performance of the product or other indirect damages with respect to loss of property, revenues, of profit, or costs of removal, installation, or reinstallation. All implied warranties for Gemini, including implied warranties for fitness, are limited in duration to **One (1) year** from the original date of purchase, **unless otherwise mandated by local statutes.**

RETURN/REPAIR

A. In the U.S.A., please call our helpful Customer Service Representatives at (732)738-9003, and they will be happy to give you a **Return Authorization Number (RA#)** and the address of an authorized service center closest to you.

B. After receiving an **RA#**, include a **copy of the original sales receipt**, with defective product and a description of the defect. Send by insured freight to: Gemini Sound Products Corp, and use the address provided by your customer service representative. **Your RA# must be written on the outside of the package, or processing will be delayed indefinitely!**

C. Service covered under warranty will be paid for by Gemini and returned to you. For non-warranted products, Gemini will repair your unit after payment is received. Repair charges do not include return freight. Freight charges will be added to the repair charges.

D. On warranty service, **you pay for shipping to Gemini, we pay for return shipping within the Continental United States.** Alaska, Hawaii, Puerto Rico, Canada, Bahamas, and the Virgin Islands **will be charged for freight.**

E. Please allow **2-4 weeks** for return of your product. Under normal circumstances your product will spend no more than **10 working days** at Gemini. We are not responsible for shipping times.

gemini[®]

IN THE USA: IF YOU EXPERIENCE PROBLEMS WITH THIS UNIT, CALL 1-732-346-0061 FOR GCI TECHNOLOGIES CUSTOMER SERVICE. DO NOT ATTEMPT TO RETURN THIS EQUIPMENT TO YOUR DEALER.

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