

American DJ®

EMERALD Beam™



User Instructions

American DJ®
4295 Charter Street
Los Angeles, CA. 90058
www.americandj.com

Emerald Beam™

General Introduction

Introduction: Thank you for purchasing the American DJ® Emerald Beam™. The Emerald Beam™ is a unique green laser effect that creates different patterns. The unit uses eight internal mirrors to bounce the laser reflection over a wide area. This unit has a sound-active mode that allows the unit to reflect on all eight mirrors. The unit's sound sensitivity may be adjusted by a sensitivity adjustment on the bottom of the unit. The unit may be mounted in either a horizontal or vertical position.

Unpacking: Every Emerald Beam™ has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect the unit for any damage and be sure all accessories necessary to operate the system have arrived intact. In the event damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Please do not return the unit to your dealer without first contacting customer support.

Customer Support: American DJ® provides a toll free customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at www.americandj.com for any comments or suggestions. For service related issue please contact American DJ®. Service Hours are Monday through Friday 9:00 a.m. to 5:00 p.m. Pacific Standard Time.

Voice: (800) 322-6337
Fax: (323) 582-2610
E-mail: support@americandj.com

Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufacturer warranty. In the unlikely event your unit may require service please contact your nearest American DJ dealer.

PLEASE do not discard the shipping carton in the trash. Please recycle when ever possible.

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General Instructions

Please carefully read and understand the instructions in this manual thoroughly before attempting to operate this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

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Features

- 4.9mW Green Laser Diode
- Built-In Hanging Yoke
- Sound Active with Internal Microphone
- Fan Cooled
- 16 Programs
- Music Sensitivity Knob

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Warranty Registration

The Emerald Beam™ carries a 90 day limited warranty. Please fill out the enclosed warranty card to validate your purchase. All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. If the unit is under warranty you must provide a copy of your proof of purchase invoice. Please contact American DJ® customer support for a R.A. number.

Emerald Beam™

Fuse Replacement

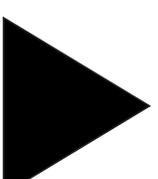
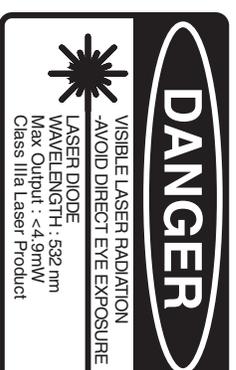
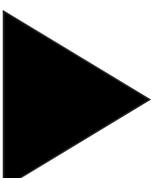
Caution: Always replace with the exact same type fuse, unless otherwise specified by an authorized American DJ® technician. Replace with anything other than the specified part can damage your unit and will void your manufactures warranty.

Warning: If you continue to blow fuses, STOP using the unit. Contact customer support for further instructions, you may have to return the unit for servicing. Continuing to use the unit may cause serious damage.

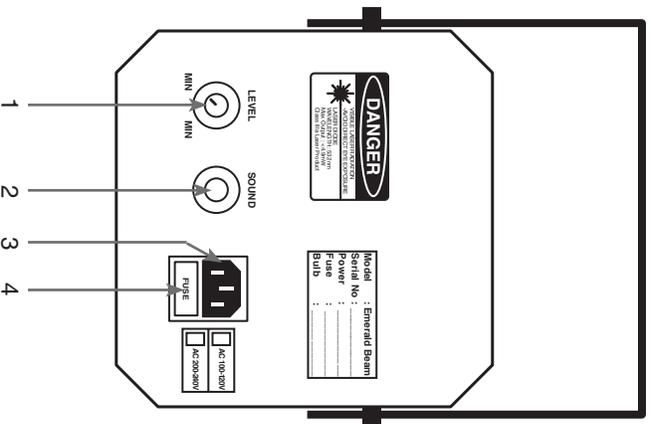
Fuse Replacement: Disconnect the unit's main power supply. Use a flat head screw drive to pry out the fuse holder. When the fuse holder is exposed remove the old fuse and replace it with a similar one. The fuse holder comes with a slot for a spare fuse. When replacing and checking the fuse, be sure to check the fuse that has the metal ends completely exposed.

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Safety Precautions



- Safety Issues:** This unit may blow a fuse if the maximum allotted load of 2 amps (1 amp 220v) is reached. If the fuse needs replacement, always replace the fuse with same exact type that was removed, unless otherwise instructed by an authorized American DJ® service technician. Use of a different type fuse from that which is recommended may cause fire or electric shock and will void the manufacturer's warranty.
- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture.
 - Do not spill water or other liquids into or on to your unit.
 - Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short. Do not attempt to operate this unit if the power cord has been frayed or broken.
 - Disconnect from main power before making any type of connection.
 - Do not remove the cover under any conditions. There are no user serviceable parts inside.
 - Never plug this unit in to a dimmer pack.
 - Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
 - Do not attempt to operate this unit, if it becomes damaged.
 - This unit is intended for indoor use only, use of this product outdoors voids all warranties.
 - During long periods of non-use, disconnect the unit's main power.
 - Always mount this unit in safe and stable matter.
 - Power cords should be routed so they are not likely to be walked on, pinched by items placed upon or against them.
 - Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See page 6 for cleaning details.
 - Heat -The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.



- 1. Audio Sensitivity Knob** - This adjust audio sensitivity of the internal microphone (2). Turning the sensitivity knob in the clockwise direction will increase the sensitivity to sound. Turning the knob in the counter clockwise direction will decrease the fixture's sensitivity to sound.
- 2. Microphone** - This microphone receives external low frequencies to trigger the unit in Sound-Active mode. This microphone is designed to receive low frequency sounds only, tapping on the microphone and high pitch sounds may not trigger the unit.
- 3. Power Cord Connection** - This connection is used to supply main power to the fixture. Use only the supplied I.E.C. power cord. Be sure the main power matches the required power of your fixture.
- 4. Fuse Holder** - This housing stores the 2 amp GMA protective fuse. Always replace with the exact same type fuse, unless other wise instructed, by an authorized American Dj® service technician.

Power Supply: This unit is available in both 120v and 220v options, before plugging your fixture in be sure the source voltage in your area matches the required voltage for your American Dj® Emerald Beam.™

General Operation: *Plug and Play operation.* This fixture is designed to operate as a stand alone unit to sound. The Emerald Beam™ is ready to be plugged in, out of the box, there is no power switch. After plugging the fixture in the laser will immediately begin to cycle through the many built in programs. The programs cycle through automatically when the unit is operating and may not be selected manually. The unit requires sound to operate and will automatically blackout without sound to conserve laser life. If the unit does not turn on after the unit has been plugged in, be sure the sound sensitivity is turned up (1), fuse has not blown, and the unit is properly plugged in to a matching wall outlet. If problem continue to persist, please contact customer support for further instructions.

Sensitivity Knob: A sound sensitivity knob is located on the rear of the unit. Use this knob to regulate the amount of sound it takes to trigger the unit. Turning the knob in a clockwise direction will increase the units sensitivity to sound, turning the knob in a counterclockwise direction will decrease the units sensitivity. Turning the knob completely to the counter-clockwise direction will turn off the sound-active mode.

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Cleaning

Fixture Cleaning: Due to fog residue, smoke, and dust cleaning the internal and external lenses should be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
4. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (I.e. smoke, fog residue, dust, dew). In heavy use we recommend cleaning on a monthly basis. Periodic cleaning will ensure longevity, and crisp beam output.

90 DAY LIMITED WARRANTY

- A. American DJ® hereby warrants, to the original purchaser, American DJ® products to be free of manufacturing defects in material and workmanship for a period of 90 days from the date of purchase. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.
- B. For warranty service, send the product only to the American DJ® factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, American DJ® will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, American DJ® shall have no liability whatsoever for loss of or damage to any such accessories, nor for the safe return thereof.
- C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which American DJ® concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the American DJ® factory unless prior written authorization was issued to purchaser by American DJ®; if the product is damaged because not properly maintained as set forth in the instruction manual.
- D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check-up. During the period specified above, American DJ® will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of American DJ® under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of American DJ®. All products covered by this warranty were manufactured after January 1, 1990, and bear identifying marks to that effect.
- E. American DJ® reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.
- F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by American DJ® in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall American DJ® be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.
- G. This warranty is the only written warranty applicable to American DJ® Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.
- H. All lamps and fuses are not covered under this warranty.

Model: Emerald Beam™

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|---------------------|---|
| Voltage**: | 120V~60Hz or 220V~50/60Hz |
| Laser: | 4.9mW Green |
| Fuse: | 2A GMA/120V or 1A GMA/220V |
| Dimensions: | 4.75" H x 4.75" W x 9.5" D 120mm x 120mm x 500mm |
| Weight: | 8.8 Lbs. 4kg |
| Duty Cycle: | None |
| Ventilation: | Fan Cooled |
| Warranty: | 90 Days |

**Voltage is preset at the factory and can not be changed by the user.

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

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