

American DJ®

ROTO-BALLS VS MKII



User Instructions

StarTec®
series

American DJ
4295 Charter Street
Los Angeles Ca. 90058
www.americandj.com

Rev. 8/07

Roto-Balls VS MKII

Introduction

Introduction: Thank you for purchasing the Roto-Balls VS MKII by American DJ®. 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.

The Roto-Balls VS MKII is ready to be plugged in right out of the box and does not require any type of controller to operate. The Roto-Balls VS MKII comes with two spinning heads that operate on an independently rotating base. The speed and direction in which this unit rotates is adjustable. This unit produces multiple color beams of light that creates unique patterns on the floor and walls. To optimize beam intensity use this fixture with a fog machine or other type of special effect smoke.

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) 582-2941

E-mail: support@americandj.com

To purchase parts online visit <http://parts.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's warranty. In the unlikely event your unit may require service please contact American DJ®.

PLEASE recycle the shipping carton whenever possible.

Roto-Balls VS MKII

Unpacking

Every Roto-Balls VS MKII 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 your unit for damage and be sure all accessories necessary to operate the unit 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 this unit to your dealer without first contacting customer support.

Roto-Balls VS MKII

Features

- 104 Vibrantly Colored Beams.
- Adjustable Speed Knob (4 settings)
- Reverse Switch
- Easy Lamp Replacement.
- Air Cooled.
- Light Weight, Compact Case Design.
- Built-In Mounting Plate.
- Bright LL-200 or LL-200/2 (200 Watt Lamp).
- Low Power Consumption.
- MINI/C Compatible for Speed Control (Not Included)

Roto-Balls VS MKII

Warranty Registration

The Roto-Balls VS MKII carries a 90 day limited warranty. We recommend you 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.

Roto-Balls VS MKII

Precautions

- Do not spill water or other liquids into or on to your unit.
- Be sure that the local power outlet match that of the required voltage for your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Please route your power cord away from foot traffic.
- 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 the event of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the bottom 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 in any way.
- Never operate this unit when it's front cover is removed.
- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture
- 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-Cord Protection - Power-supply cords should be route so they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords a plugs, convenience receptacles, and the point where they exit from the fixture.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer.
- Heat -The fixture should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The fixture should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged.
 - B. Objects have fallen, or liquid has been spilled into the appliance.
 - C. The appliance has been exposed to rain or water.
 - D. The fixture does not appear to operate normally or exhibits a marked change in performance.

Roto-Balls VS MKII

Operation

Power Supply: Before plugging your unit in, be sure the source voltage in your area matches the required voltage for your American DJ® Roto-Balls VS MKII. The American DJ® Roto-Balls VS MKII is available in a 120v and 220v version. Because line voltage may vary from venue to venue, be sure to plug your fixture into a wall outlet with a matching power supply before attempting to operate.

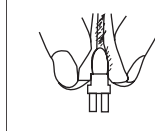
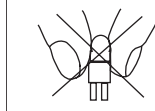
General Operation: Just plug this light in, and watch it go. This fixture is designed to operate as a stand alone unit. The Roto-Balls VS MKII is ready to be plugged in, out of the box. There is no power switch, after plugging the unit in the base and two outer heads will immediately begin to spin.

Adjustable Speed Knob: The speed at which this unit spins can be adjusted by turning the knob located at the base of the unit. The knob has four speed settings. When the knob is turned all the way counter-clockwise it will spin the slowest at 8 r.p.m. By turning the knob clockwise to the second position which spins at 18 r.p.m. The next position will spin at 28 r.p.m. Until, it is turned all the way clockwise and it spins the fastest at 38 r.p.m. You can also use the optional MINI/C controller (Not Included) to change the speed.

Reverse Switch: The direction this unit rotates can also be switched. To reverse the rotation of the unit, press the reverse switch. The reverse switch is located on the base of unit next to the AC cord. **Caution!: To prevent damage to the unit, please unplug the fixture before pressing the reverse switch.**

Roto-Balls VS MKII

Lamp Replacement



Halogen Lamp Warning! This fixture is fitted with halogen lamps which are highly susceptible to damage if improperly handled. Never touch the lamps with your bare fingers as the oil from your hands will shorten lamp life. Also, never move the fixture until the lamps have had ample time to cool. Remember, lamps are not covered under warranty conditions.

Caution: Always replace with the exact same type lamp, 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 after you have replaced the lamp and you continue to blow them, 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.

Lamp Replacement: Caution! Never open the unit when in use. Always disconnect the main power and allow the fixture ample time to cool before attempting to replace the lamp. Lamp replacement has been made simple by incorporating a remove tray that is retained by a single thumb screws. Again, please remember to always replace with the exact same type lamp.

1. Be sure to follow the proper procedures when handling halogen lamps. Never touch the new lamp with your bare fingers.
2. Unscrew the three thumb screws that secure the outer half of the dome cover to the inner half.
3. Once the thumb screws have been removed, remove the outer half of the dome assembly to expose the lamps.
4. Remove and replace the lamp with an exact match.
5. Reassemble in reverse order.

Roto-Balls VS MKII

Breaker Reset

This unit is equipped with a safety breaker. This breaker is designed to close the power circuit in the event of an internal short, reducing the risk of electric shock and fire. To reset the breaker, push the breaker button in until you hear it pop back in to place. If the breaker continues to pop, stop using the unit and contact customer support the unit may require service.

Roto-Balls VS MKII

Cleaning

Fixture Cleaning:

Due to fog residue, smoke, and dust cleaning the fixture should be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing every 20 days.
2. Use a small brush and normal glass cleaner with a soft cloth to wipe down the inside casing and clean out the cooling vents every 30-60 days.
3. Always be sure to dry all parts completely before plugging the unit back in.
4. Frequent cleaning will extend lamp life and ensure fixture reliability.

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.

Roto-Balls VS MKII

Trouble Shooting

Listed below are a few common problems and solutions you should try before contacting customer support.

Unit rotates but has no light output from the unit;

1. Be sure you have connected your unit into a matching wall outlet.
2. Remove the lamp cover and be sure the lamp is seated in its socket properly. Occasionally lamps become loose during shipping. Make sure the lamp is in its socket all the way.

Roto-Balls VS MKII

Trouble Shooting cont.

3. Be sure the lamp is good.
4. If the lamps was recently replaced, be sure the lamp probes are properly inserted in the socket assemble.

Unit does not rotate and lamp does not turn on;

1. Be sure you have connected your unit into a matching wall outlet.
2. Be sure the external breaker does not have to be reset. The breaker is located on the lower section of the unit.
3. Be sure the power cord is properly seated in the power outlet.
4. Be sure your main power outlet has power.

MANUFACTURER'S LIMITED WARRANTY

A. American DJ, Inc. hereby warrants, to the original purchaser, American DJ and American Audio products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period on reverse). 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 you must obtain a Return Authorization number (RA#) before sending back the product. Contact American DJ, Inc. Service Department at 800-322-6337. Send the product only to the American DJ, Inc. 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, Inc. 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, Inc. 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, Inc. concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the American DJ, Inc. factory unless prior written authorization was issued to purchaser by American DJ, Inc.; 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, Inc. will replace defective parts at its expense with new or refurbished parts, 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, Inc. 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, Inc. 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. 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, Inc. 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, Inc. be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

This warranty is the only written warranty applicable to American DJ and American Audio Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

MANUFACTURER'S LIMITED WARRANTY PERIODS:

- All American Audio Products = 1-year (365 day) Limited Warranty (except V-Plus Series Amplifiers)
- All American Audio V-Plus Series Amplifiers = 3-year (1095 day) Limited Warranty
- American DJ Lighting and American DJ Branded Products = 1-year (365 day) Limited Warranty (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobos, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding Laser Products, lamps, and Star Tec Series)
- American DJ Laser Products and Star Tec Products = 90-Day Limited Warranty
- American DJ L.E.D. Products = 3-year (1095 day) Limited Warranty (excluding motors which have a 1-year (365 day) Limited Warranty)

Model: Roto-Balls VS MKII

Voltage*:	120v~60Hz or 220v~50/60Hz
Lamps:	2 x LL-200 120v/200w or 2 x LL-200/2 220v/200w (220v)
Breaker:	5A (3A 220v)
Dimensions:	21.5" L x 10.5" W x 7.75" H
Weight:	9 Lbs. / 4 Kgs.
Colors:	Multi-Colored
Lenses:	104
Working Position:	Any Safe Position
Warranty:	90 Days

* Voltage is preset at the factory and is not user selectable.

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

©American DJ®

A Division of the American DJ® Group of Companies

American DJ® World Headquarters:

4295 Charter Street Los Angeles, CA 90058 USA

Tel: 323-582-2650 / Fax: 323-582-2610

Web: www.americandj.com / E-mail: info@americandj.com