



ADJ MICRO IMAGE RGB Sound Active Laser Instruction Manual

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ADJ MICRO IMAGE RGB Sound Active Laser

**Product Information:**

Product Name: Micro Image RGB

Manufacturer: ADJ Products, LLC Customer Support:

Toll-Free

Phone: (800) 322-6337 – Fax: (323) 582-2941

Email: support@americandj.com

Website: www.adj.com

Features: – Micro

Image RGB is a projector unit.

- The unit comes with a 90-day limited warranty.
- The warranty can be validated by filling out the enclosed warranty card.
- All service items, whether under warranty or not, must be returned with a return authorization (R.A.) number and freight pre-paid.
- Installation of the unit should be done in a manner that prevents direct eye exposure to the laser beam. Safety Precautions:
 - The unit emits visible laser radiation, and direct eye exposure should be avoided.
 - The laser diode wavelength is 635~650 nm with a maximum output.

Product Usage Instructions

1. Before operating the Micro Image RGB, carefully read and understand the instructions in the manual.
2. Make sure to prevent the unit from being exposed to rain or moisture to reduce the risk of electrical shock or fire.
3. Do not attempt any repairs yourself, as it may void the manufacturer's warranty. In case of service requirements, contact ADJ customer support.
4. Recycle the shipping carton whenever possible.
5. When installing the projector, ensure that it is mounted in a way that prevents the audience from looking directly into the beam and avoids the beam from striking the audience.
6. To validate your purchase and activate the warranty, fill out the enclosed warranty card and contact ADJ customer support for a return authorization (R.A.) number if necessary. Provide a copy of your proof of purchase invoice if the unit is under warranty.
7. Take necessary precautions to avoid direct eye exposure to the visible laser radiation emitted by the unit.

8. For any set-up help, questions, comments, or suggestions, you can contact ADJ customer support through the provided toll-free phone, fax, email, or by visiting their website. Please refer to the instruction manual for more detailed information and guidelines on the usage and maintenance of the Micro Image RGB unit.

General Introduction

Unpacking: Thank you for purchasing the Micro Image RGB by ADJ Products, LLC. Every Micro Image RGB 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 fixture for any damage and be sure all equipment necessary to operate the unit has 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 contacting customer support first.

Introduction: The Micro Image RGB is a unique mini laser that projects red and green “web type” patterns. These laser patterns may be projected on a wall, ceiling, or dance floor. The Micro Image RGB is a stand alone fixture with 2 operating modes; sound active mode and auto mode. The Micro Image RGB’s compact, light weight case design make it ideal for mobile entertainers, bands, night clubs and bar. This fixture is suitable for theaters, studios, retail stores, and other similar locations. For best results use fog or special effects smoke to enhance the beams projections.

Customer Support: ADJ Products, LLC 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.adj.com for any comments or suggestions.

For service related issue please contact ADJ Products, LLC. Service Hours are Monday through Friday 8:00 a.m. to 4:30 p.m.

Pacific Standard Time.

Voice: (800) 322-6337

Fax: (323) 582-2941

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 manufactures warranty. In the unlikely event your unit may require service please contact ADJ customer support.

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.

CAUTION IMPORTANT! When installing this projector, make sure that it is mounted in a manner that prevents the audience from looking directly into the beam, and the beam from striking the audience.

Features

- 30mW (532nm) Green Laser
- 80mW (650nm) Red Laser

- 2 Operating Modes – Sound Active Mode & Auto Mode
- RF Wireless Remote Control (Included)
- Dual Hanging Bracket

Warranty Registration

The Micro Image RGB 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 ADJ customer support for a R.A. number.

Installation

The unit should be mounted using a mounting clamp (not provided), affixing it to the mounting bracket that is provided with the unit. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times the unit's weight. Also, always use a safety cable that can hold 12 times the weight of the unit when installing the fixture. The equipment must be installed by a professional, and it must be installed in a place where it is out of the reach of people's grasp.

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Safety Precautions

DANGER

VISIBLE LASER RADIATION -AVOID DIRECT EYE EXPOSURE

LASER DIODE WAVELENGTH : 635~650 nm Max Output : <4.9mW Class IIIa Laser Product

- 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.
- 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 10 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.

- The fixture should be serviced by qualified service personnel when:
 - The power-supply cord or the plug has been damaged.
 - Objects have fallen, or liquid has been spilled into the unit.
 - The unit has been exposed to rain or water.
 - The unit does not appear to operate normally or exhibits a marked change in performance.

Laser Warnings and Safety

NON-INTERLOCKED HOUSING WARNING The Micro Image RGB contains high power laser devices internally. Do not open the laser housing, due to the potential exposure to unsafe levels of laser radiation. The laser power levels, if the unit is opened, can cause instant blindness, skin burns and fires.

STOP AND READ ALL LASER SAFETY DATA OPERATION INSTRUCTIONS AND LASER SAFETY

The light source emitted from this product can potentially cause eye injury if not set up and used properly. The light source emitted from a laser is very different from any other light sources with which you may be aware of. Laser light is thousands of times more concentrated than any light from any other kind of light source. This concentration of light can cause instant eye injuries, primarily by burning the retina (the back of your eyeball containing cells that are sensitive to light). Even if you cannot feel “heat” from a laser beam, it can still potentially injure or blind you or your audience. Even very small amounts of laser beam light are potentially hazardous even at long distances. Laser eye injuries can be sustained faster than you can blink.

Do not think that because this laser splits the laser beam into hundreds of beams and that the laser beam is scanned out in high speed, that an individual laser beam is safe for eye exposure. This laser uses dozens of milliwatts of laser power (Class 3B levels internally) before it splits into multiple beams (Class 3R levels). Many of the individual beams are potentially hazardous to the eyes.

Do not think that because the laser light is moving, it is safe. This is not true. Nor, do the laser beams always move. Since eye injuries can occur instantly, it is critical to prevent even the smallest possibility of any direct eye exposure. In the laser safety regulation, it is not legal to aim Class 3R lasers in areas which people can get exposed. This is true even if it is aimed below people’s faces, such as on a dance floor.

Do not operate the laser without first reading and understanding all safety and technical data in this manual.

Always set up and install all laser effects so that all laser light is at least 3 meters (9.8 feet) above the floor on which people can stand.

After setting up, and before public use, test laser to ensure proper function. Do not use if any defect is detected. Do not use if laser emits only one or two laser beams rather than dozens/hundreds, as this could indicate damage to the diffraction grating optic, and could allow emission of higher laser levels above Class 3R.

- Do not point lasers at people or animals. Never look into the laser aperture or laser beams.
- Do not point lasers in areas in which people can potentially get exposed, such as uncontrolled balconies, etc. Do not point lasers at highly reflective surfaces, such as windows, mirrors and shiny metal. Even laser reflections can be hazardous. Never point a laser at aircraft, this is a federal offense.
- Never point un-terminated laser beams into the sky.
- Do not expose the output optic (aperture) to cleaning chemicals.
- Do not use laser if the laser appears to be emitting only one or two beams.
- Do not use the laser if the housing is damaged, the housing is open, or if the optics appear damaged in any way.

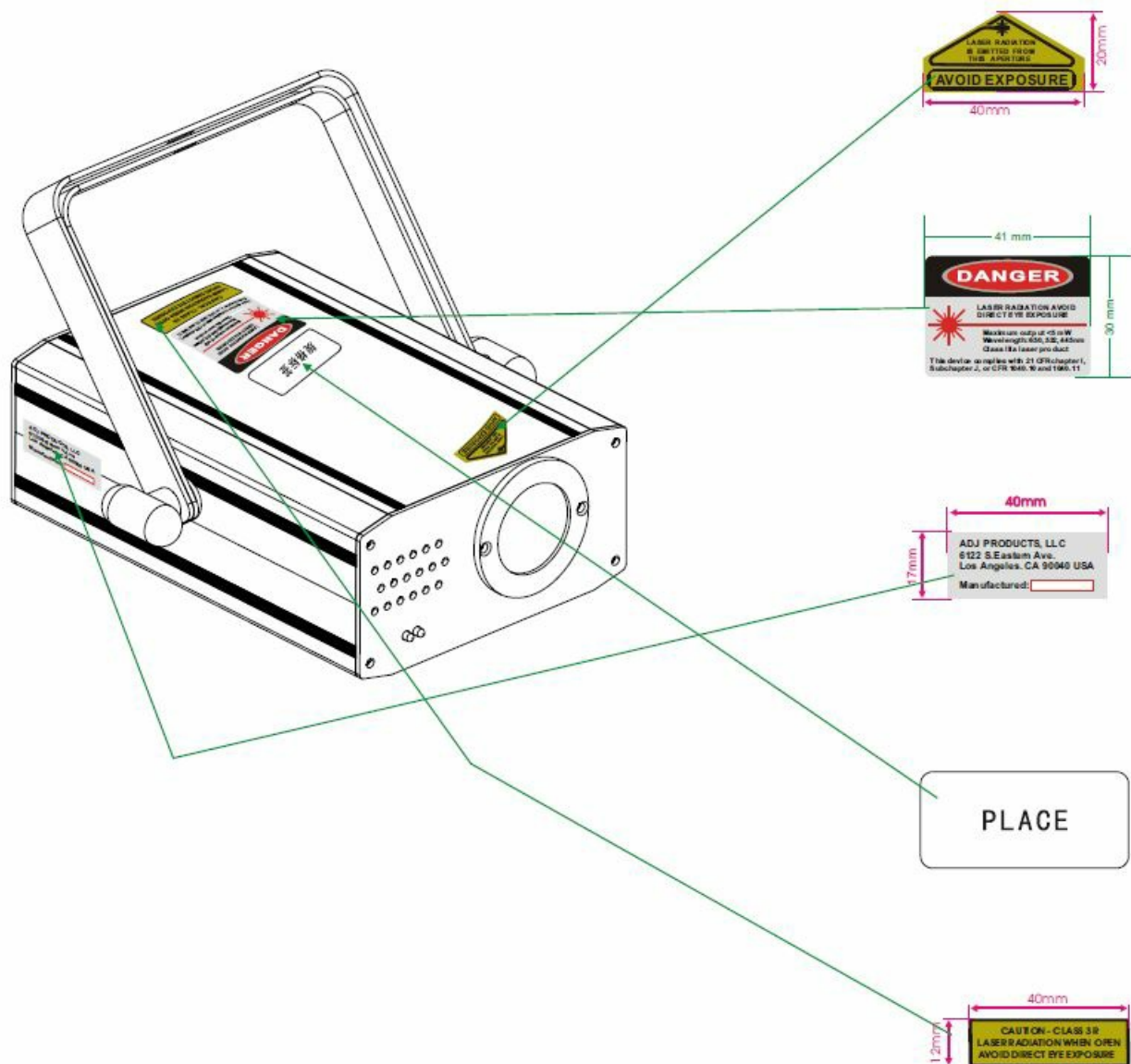
- Never open the laser housing. The high laser power levels inside of the protective housing can start fires, burn skin and will cause instant eye injury.
- Never leave this device running unattended.

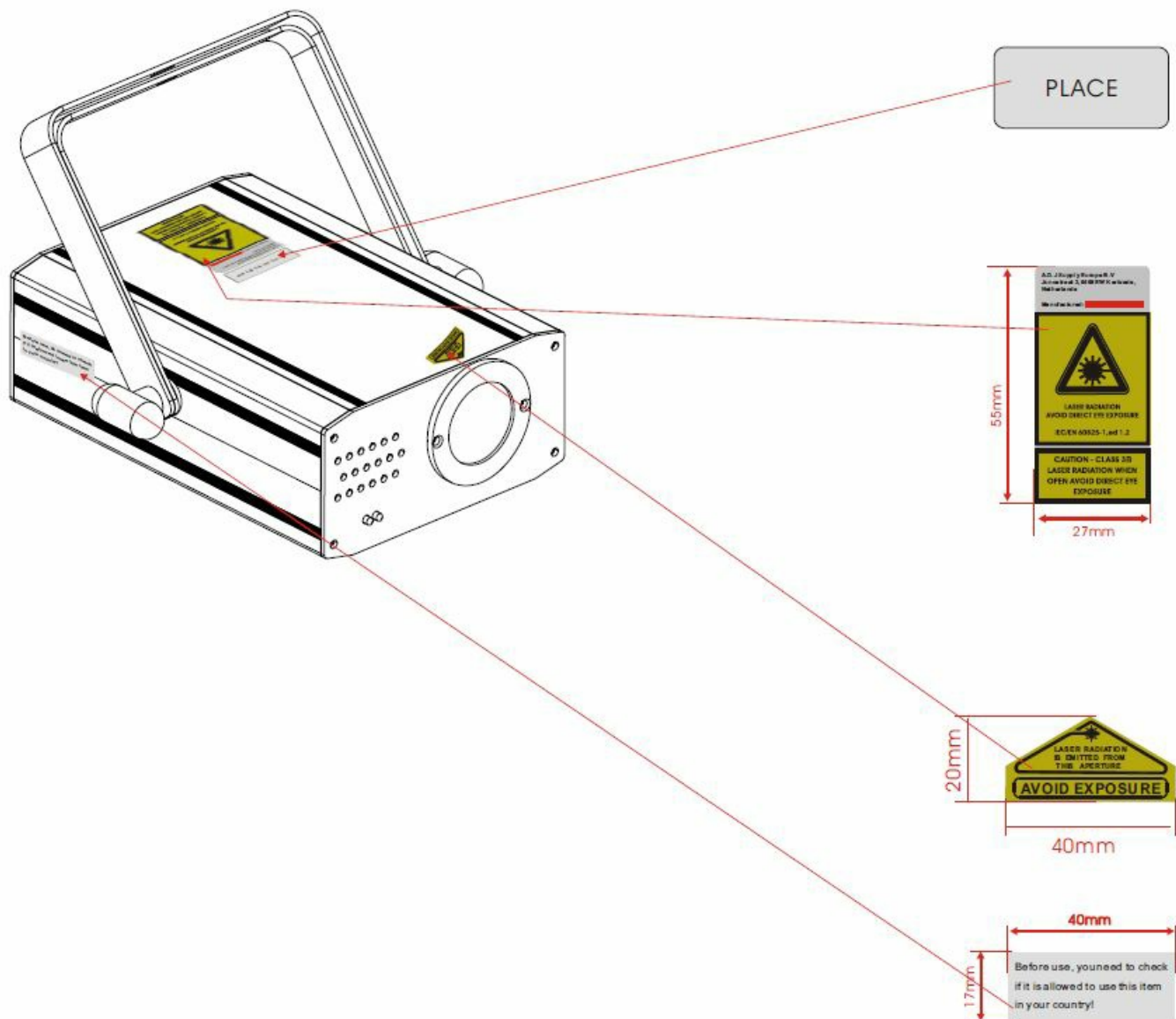
The operation of a class 3R laser show is only allowed if the show is controlled by a skilled and well- trained operator, familiar with the data included in this manual.

The legal requirements for using laser entertainment products vary from country to country. The user is responsible for the legal requirements at the location/country of use.

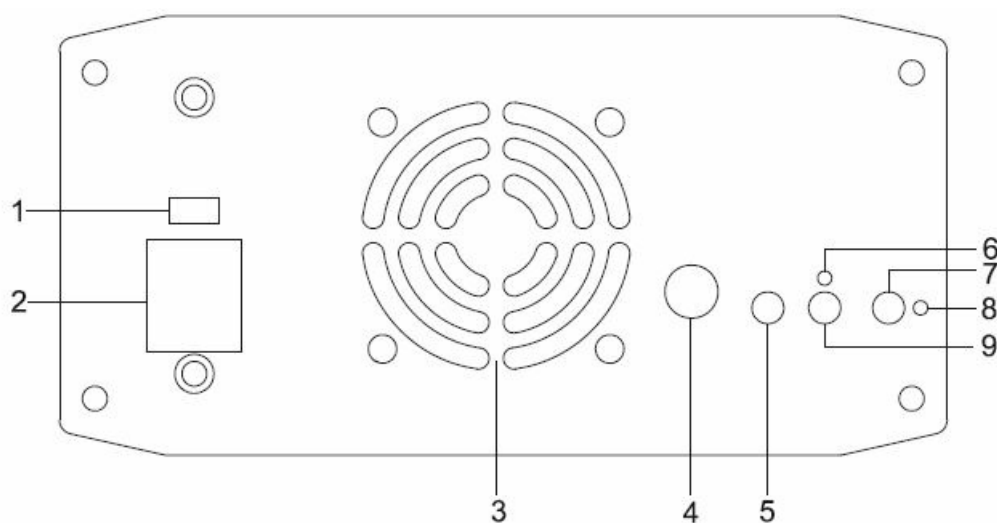
Always use proper lighting safety cables when hanging lights and effects overhead.

Laser Warning Labels





Operation



1. Power Switch – This switch powers the fixture on/off.
2. Power Input – Connect the power supply to this input jack.
3. Fan – This is used to cool the unit.

4. Speed Knob – This knob is used to adjust the auto mode speed.
5. Remote Code Button – This button is used to activate your remote. This button is also used to erase the remote code.
6. Microphone – This picks up the audio when the fixture is in sound active mode.
7. Auto/Sound Mode Switch – Use this button to switch between Auto mode and Sound Active mode.
8. Antenna – This receives the wireless signal from the remote control.
9. Sound Sensitivity Adjustment – Use this to adjust the sound sensitivity.

CAUTION IMPORTANT! When installing this projector, make sure that it is mounted in a manner that prevents the audience from looking directly into the beam, and the beam from striking the audience. Operating Modes: · Sound Active Mode – The fixture will react to sound, chasing through the built-in programs. · Auto Play – This function run automatically run through all of units patterns.

Sound Active Mode: This mode allows the unit to run to the beat of the music.

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1. Press the Auto/Sound button. When the red indicator light located on the front of the unit turns off, but flashes to the beat of the music, the unit is in sound active mode.

Auto Play Mode: This is Auto Play mode.

1. Press the Auto/Sound button. When the red indicator light light flashes rapidly, the unit is in fast auto mode. When the indicator light flashes slowly, the unit is in slow auto mode.
2. Use the speed knob to control the speed of the mode.

Remote Control: Use the included remote to control various functions. Please see below for button control.

Note: This remote control code has been set for this laser, so that the laser can be controlled out of the box. If this code happens to get erased the remote will not work with the unit.

Please see below to reset the code and link the laser to the remote again.

- **A Button** – Use this button to switch between Auto Play and Sound Active. When the red indicator light light flashes rapidly, the unit is in fast auto mode. When the indicator light flashes slowly, the unit is in slow auto mode. When the red indicator light located on the front of the unit turns off, but flashes to the beat of the music, the unit is in sound active mode.
- **B Button** – Use this button to Blackout the unit.
- **C Button** – Use this button to scroll and select patterns.
- **D Button** – Use this button to select a show.

Laser Remote Reset

Erase Remote Code: Using a small utensil, carefully press and hold the Remote Code button (5) for at least 7 seconds.

Activating and Linking Remote: This action will set the code to link the laser to your remote. You can link more than one laser to a remote. Using a small utensil, carefully press and hold the Remote Code button (5) for at least 3 seconds. Try to control the unit with the remote. If the unit can be controlled, setting the code was successful. If it does not control the unit, try again.

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 a microfiber cloth every 20 days.
3. 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.

Trouble Shooting

Trouble Shooting: Listed below are a few common problems that you may encounter, with solutions.

No laser output from the unit;

1. Be sure you have connected your unit into a standard wall outlet.
2. Be sure that the unit is not in blackout mode.
3. In cold temperature situations it might take the laser a little longer to produce output. It can take up to 3-5 minutes for the laser to produce a beam. This is due to the laser diode which is very sensitive.

Unit does not respond to sound;

1. Low frequencies (bass) should cause the unit to react to sound. Tapping on the microphone, quiet or high pitched sounds may not activate the unit.

Warranty

MANUFACTURER'S LIMITED WARRANTY

- ADJ Products, LLC hereby warrants, to the original purchaser, ADJ Products, LLC 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.
- For warranty service you must obtain a Return Authorization number (RA#) before sending back the product- please contact ADJ Products, LLC Service Department at 800-322-6337. Send the product only to the ADJ Products, LLC factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC 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 it's original package. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall have no liability whatsoever for loss of or damage to any such accessories, nor for the safe return thereof.
- This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written

authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because not properly maintained as set forth in the instruction manual.

- This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check up. During the period specified above, ADJ Products, LLC 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 ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear indentifying marks to that effect.
- ADJ Products, LLC reserves the right to make changes in design and/or improvements upon it's 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 ADJ Products, LLC 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 ADJ Products, LLC 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 ADJ Products, LLC Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published. This warranty was revised after December 1, 2012.

MANUFACTURER'S LIMITED WARRANTY PERIODS:

- Lighting Products = 1-year (365 days) 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 LED and lamps)
- Laser Products = 90-Day Limited Warranty · L.E.D. Products = 3-year (1095 days) Limited Warranty (excluding motors, PCB boards, and power supplies, which have a 1-year (365 day Limited Warranty) and batteries which have a 180 day limited warranty). Only the L.E.D.s carry a 3-year warranty ADJ Products, LLC – www.adj.com – Micro Image RGB Instruction Manual Page 11

Specifications

Model: Micro Image RGB

- Voltage: 12V DC 100~240V, 50/60Hz
- Power Consumption: 15W
- Lasers: 30mW Green Diode
- 80mW Red Diode
- 60mW Blue Diode
- Dimensions: 7.25"(L) x 5"(W) x 2.5"(H) 179mm x 125mm x 62mm
- Colors: Red, Green, & Blue
- Weight: 4 Lbs. / 1.5 kgs.

- Duty Cycle: None
- Sound Active: Yes
- Working Position: Any Safe, Secure Position
- Warranty: 90 Days

Auto Sensing Voltage: This fixture contains a automatic voltage switch, which will auto sense the voltage when it is plugged into the power source.

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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References

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