



ECO UV BAR 50 IR
user manual



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RISK GROUP 3 - Risk of exposure to ultraviolet radiation!

Fixture emits high intensity wavelength of ultraviolet light.

Wear proper eye and skin protection and avoid prolonged periods of exposure to ultraviolet light. Avoid wearing white color clothing and/or using UV paints on skin.

Avoid direct eye and/or skin exposure at distances less than 11 feet.

Do not operate fixture with damaged/missing external covers. Do not look directly into the UV light and/or view directly with optical instruments that may concentrate the UV light/radiation output. Individuals suffering from a range of eye conditions, sunlight exposure disorders, or individuals using photosensitive medication, may receive discomfort if exposed to the ultraviolet light emitted from the fixture.

FCC RADIO FREQUENCY INTERFERENCE WARNINGS & INSTRUCTIONS

This product has been tested and found to comply with the limits as per Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device uses and can radiate radio frequency energy and, if not installed and used in accordance with the included instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following methods:

- Reorient or relocate the device.
- Increase the separation between the device and the receiver.
- Connect the device to an electrical outlet on a circuit different from which the radio receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Energy Saving Matters (EuP 2009/125/EC)

Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!

Document Version: An updated version of this document may be available online. Please check www.adj.com for the latest revision/update of this document before beginning installation and use.

Date	Document Version	Notes
1/1/13	1	Initial release.
10/1/16	1.1	Add ETL certification.
3/9/19	1.2	Update manual layout.

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GENERAL INFORMATION

INTRODUCTION

Please read and understand all instructions in this manual carefully and thoroughly before attempting to operate these products. These instructions contain important safety and use information.

This product is intended to be used by professionally trained personnel only and is not suitable for private use

UNPACKING

The products in this kit have been thoroughly tested and have 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 each unit included for damage and be sure all accessories necessary to operate the units have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this kit to your dealer without first contacting customer support at the number listed below. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

WARRANTY RETURNS

All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support.

CUSTOMER SUPPORT

Contact ADJ Service for any product related service and support needs. Please visit forums.adj.com with questions, comments or suggestions.

ADJ SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
800-322-6337 | Fax 323-832-2941 | support@adj.com

ADJ SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
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REPLACEMENT PARTS please visit parts.adj.com

LIMITED WARRANTY (USA ONLY)

- A. 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.
- B. **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 its 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, or 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 ADJ Products, LLC concludes, after inspection, affects the reliability of the product, if the product has been repaired or service by anyone other than 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.
- D. 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 warrant 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 identifying marks to that effect.
- E. ADJ Products, LLC 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 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.
- G. 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.

LIMITED WARRANTY PERIODS

- **Non L.E.D. Lighting Products = 1-year (365 days) Limited Warranty** (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding LED and lamps)
- **Laser Products = 1 Year (365 Days) Limited Warranty** (excludes laser diodes which have 6 month limited warranty)
- **L.E.D. Products = 2-year (730 days) Limited Warranty** (excluding batteries which have a 180 day limited warranty)
Note: 2 Year Warranty only applies to purchases within the United States.
- **StarTec Series = 1 Year Limited Warranty** (excluding batteries which have a 180 day limited warranty)
- **ADJ DMX Controllers = 2 Year (730 Days) Limited Warranty**

SAFETY INSTRUCTIONS AND GUIDELINES

DO NOT attempt installation and/or operation of devices without knowledge how to do so.

DO NOT permit operation by persons who are not qualified to operate these types of devices.

DO NOT shake devices, avoid brute force when installing and/or operating.

DO NOT operate device if the main power cord has become frayed, crimped and/or damaged.

Replace any damaged power cords with a similar power rating.

DO NOT remove or break-off the ground plug from the device power cords.

DO NOT remove or disassemble devices, there are NO user serviceable parts inside.

DO NOT Install the fixture near heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.

ALWAYS disconnect devices from main power source before cleaning.

ALWAYS disconnect unit from main power before changing bulbs.

ALWAYS be sure to use this device in an area that will allow proper ventilation.

ALWAYS disconnect power cords during long periods of non-use.

Power cords should be safely routed and secured so they are not likely pinched.

Only use recommended rigging hardware as described in this guide.

Use the original packaging and materials to transport this device in for service.

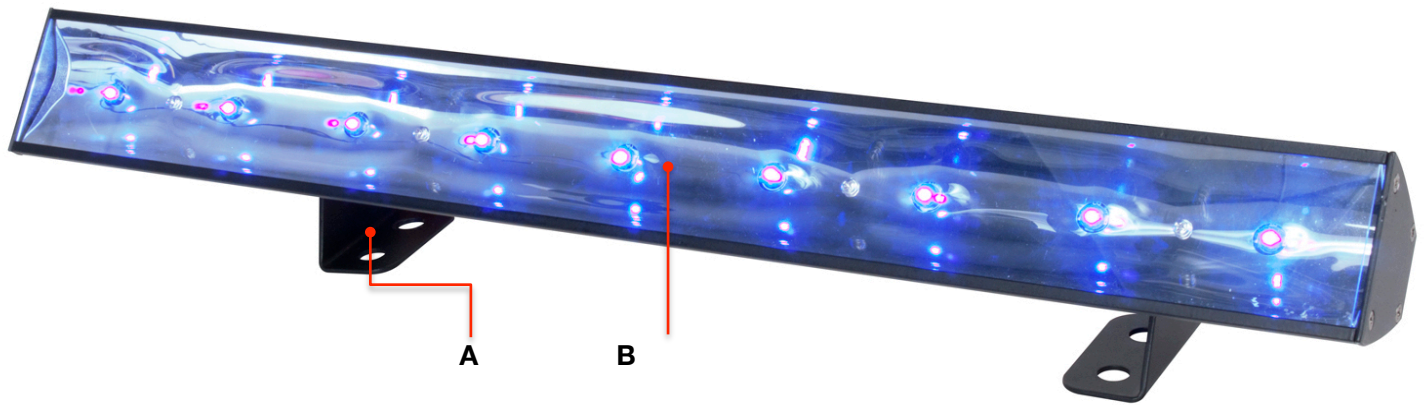
These devices should be serviced by qualified service personnel when:

- The power cords or plugs have become damaged.
- Objects have fallen on and/or liquid has spilled into the devices.
- The devices have been exposed to rain and/or moisture.
- The devices do not operate normally or exhibit a marked change in performance.

OVERVIEW

INCLUDED ITEMS:

- (1) ADJ ECO UV Bar 50 IR
- (1) UC IR Remote Control
- (2) Mounting Bracket with star knob and nut.



- A. Mounting Bracket (2)
- B. Light Source
- C. Star Knob (2)
- D. Nut (2)
- E. Power Cord
- F. On/Off Switch

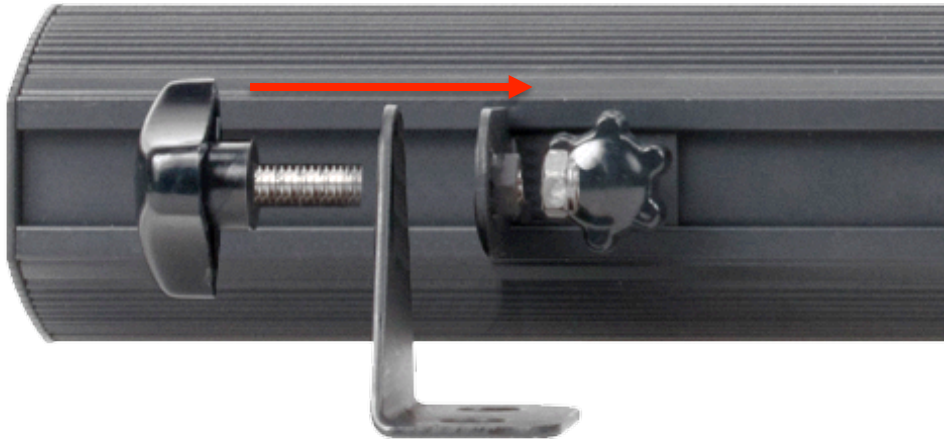
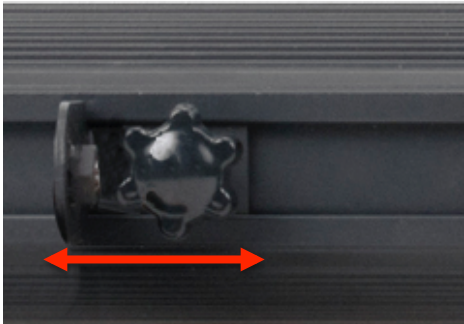
SET UP INSTRUCTIONS

INSTALLATION

This 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 the weight of 10 times the unit's weight. A safety cable (optional) is recommended when installing the fixture. It is recommended that a professional installs the equipment and it must be installed in a place where it is out of the reach of people's grasp.

To install the mounting brackets:

- 1) With knob loose, adjust the width of the mounting bracket by moving the tab left/right.
- 2) Once positioned, secure the tab and tighten the knob by turning the knob clockwise.
- 3) Install the mounting bracket by lining up the mounting bracket with the mounting tab.
- 4) Secure the mounting bracket using the star knob and nut.



POWER CORD DAISY CHAIN

With this feature, you can connect the fixtures to one another using the IEC input and output sockets. The quantity that can be connected is 20 fixtures maximum. After 20 fixtures you will need to use a new power outlet.

Note: Do not mix features. The linked fixtures must be the same fixtures.

OPERATION

Airstream IR (sold separately): The remote transmitter plugs into the headphone jack of your iOS phone or tablet. To control your IR fixture, you must raise the volume to the maximum on your iOS phone or tablet and aim the transmitter at the fixture sensor and be no more than 15 feet away. After you have purchased the Airstream IR transmitter, the app is a free download from the app store for your iOS phone or tablet. The app comes with 3 pages of control depending on the fixture you are using. Please see below for the IR Functions in the corresponding app page. **Works with App Page 1.**

UC IR Remote Control/airstream app control: The **UC IR** infrared remote (**Included**) gives you control of various functions (See below). To control the fixture you must aim the remote at the front of the fixture and be no more than 30 feet away.

- **STAND BY** - Pressing this button will blackout the fixture.
- **FULL ON** - Press this button down to fully light up the unit.
- **FADE/GOBO** - Press this button to activate UV fade mode. Press button 1 for slow fade, button 2 for medium fade, and button 3 for fast fade.
- **“DIMMER +” and “DIMMER -”** - Use these buttons to adjust the output intensity when UV color mode is active.
- **STROBE** - Press this button to activate strobing. Press button 1 for slow strobe, button 2 for medium strobe, button 3 for fast strobe, and button 4 for the fastest strobing.
- **COLOR** - Press this button to activate UV color mode. Adjust the output intensity using the “DIMMER +” and “DIMMER -” buttons.
- **1-9** - When in strobe use buttons 1-4 to adjust the strobe rate. In fade mode use buttons 1-3 to adjust the fade speed.
- **SOUND ON & OFF** - These buttons are invalid for this fixture.
- **SHOW** - This button is invalid for this fixture.



MAINTENANCE GUIDELINES

CLEANING

Frequent cleaning is recommended to insure proper function, optimized fog output, and an extended life. The frequency of cleaning depends on the environment in which the device operates in: damp, smoky or particularly dirty environments can cause greater accumulation of dirt and or debris. Clean the external housing of the fixture at least every 30 days with a soft cloth to avoid dirt/debris accumulation.

To clean, power fixture OFF and let cool for 15 minutes. Use a soft cloth to clean dust or debris from bulb and fixture.

NEVER use alcohol, solvents, or ammonia-based cleaners.

MAINTENANCE

Regular inspections are recommended to insure proper function and extended life.

Avoid allowing moisture to enter any of the internal parts.

There are no user serviceable parts inside this device, please refer all other service issues to an authorized ADJ service technician. Should you need any spare parts, please order genuine parts from your local ADJ dealer.

A detailed review by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating. Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation resulting in damage or injury. Electric power supply cables must not show any damage, material fatigue or sediments. Damage could cause the device to fail and seriously injure a person(s).

TROUBLE SHOOTING TIPS

Unit does not turn on:

1. Confirm the unit has AC power.
2. Check if circuit breaker that controls the AC outlet the light is plugged into is not tripped.
3. Confirm the AC power cord from the light is not damaged or cut.
4. Check the fuse and see if it needs to be replaced.
5. If none of these solutions work, please contact ADJ Customer Service.

FREQUENTLY ASKED QUESTIONS

Listed below are a few answers to common questions users may have.

1. How many units can be connected together in a powered chain?

Up to 20 of the same unit can be chained together. After 20 units, please use a new outlet.

2. What is the replacement battery for the UC IR?

The replacement battery is a 3V CR2025 battery and can be purchased from parts.adj.com

OPTIONAL ACCESSORIES

Order Code	Description
PWR793	Power Bar with six 3-prong Edison sockets.
PWR571	POW-R BAR65 utility block w/ surge protected AC sockets and USB.
AIRSTREAM IR	ADJ Airstream IR transmitter (pack of 4).

**Additional accessories available at www.adj.com*

SPECIFICATIONS

MODEL: Eco UV Bar 50 IR	
Working Position:	Any safe working position
Voltage:	100V ~ 240V, 47/63Hz
Power Cord Daisy Chain:	20 Fixtures Max (when using like fixtures)
LEDs:	9 x 3W LEDs
Beam Angle:	120 Degrees
Power Consumption:	30W
Color:	UV
Refresh Rate:	1KHz
Wavelength:	390-410nm
Weight:	3.2lbs (1.44 kg)
Dimensions:	19.7" (L) x 2.4" (W) x 4.5" (H) 500 x 60 x 115mm
Warranty:	2 Year (730 Days)

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

DIMENSIONS

