



# PINPOINT GOBO

## User Manual

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### **Europe Energy Saving Notice**

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!

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# INTRODUCTION

**Introduction:** The ADJ PinPoint Gobo is part of a continuing pursuit to create high quality intelligent lighting. This device is a battery powered GOBO projector powered by a 10-Watt cool white LED, and features 4 standard removable GOBOs, 4 color gels, and a frost filter to diffuse the beam for wider washes of light. When the GOBO is removed, the device may be used as a pinspot to spot tables, decor, or architecture, or to create special effects. The PinPoint Gobo has an easily replaceable GOBO holder that allows the user to interchange the supplied GOBOs or switch to custom GOBOs. Sliders are located on the side of the fixture for manual adjustment of the focus and beam angle.

**Unpacking:** Every device 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 is damaged, carefully inspect the device for damage, and be sure all accessories necessary to install and operate the device have arrived intact. In the event that damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this device to your dealer without first contacting customer support. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

**Parts:** To purchase parts online visit:

<http://parts.adj.com> (US)

<http://www.adjparts.eu> (EU)

**ADJ SERVICE USA** - Monday - Friday 8:00am to 4:30pm PST

Voice: 800-322-6337 | Fax: 323-582-2941 | [support@adj.com](mailto:support@adj.com)

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**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, as doing so will void your manufacturer's warranty. In the unlikely event your unit may require service, please contact ADJ Products, LLC.

# 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**

# WARRANTY REGISTRATION

The PinPoint carries a 2 year 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. 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 included in the shipping carton. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. You may obtain a R.A. number by contacting our customer support team on our customer support number. All packages returned to the service department not displaying a R.A. number on the outside of the package will be returned to the shipper.

# GENERAL INSTRUCTIONS

To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of 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.

# FEATURES

- Capable of Running on DC or Battery Power
- Dimming 0-100%
- Fast Fade and Slow Fade
- UC IR Remote Compatible (Not Included)
- ADJ LED RC3 Compatible (Not Included)

# SAFETY PRECAUTIONS

- 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.
- Ensure that the voltage of the power outlet matches the required voltage for this unit.
- Do not attempt to operate this unit if the power cord is frayed or broken.
- 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 cover for any reason. There are no user serviceable parts inside.
- Never operate this unit with the cover removed.
- 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 has been damaged in any way.
- This unit is intended for indoor use only, and 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-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 the point at which they exit from the unit.
- Cleaning - The fixture should be cleaned only as recommended by the manufacturer. See the **Cleaning** section of this manual for 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:
  - A. The power-supply cord or the plug has been damaged.
  - B. Objects have fallen onto, or liquid has been spilled into, the fixture.
  - C. The fixture has been exposed to rain or water.
  - D. The fixture does not appear to operate normally or exhibits a marked change in performance.

# BATTERY PRECAUTIONS

## 1. HANDLING OF BATTERIES

### ***1.1 Do Not Short Circuit the Battery***

Never short circuit the battery, as doing so generates a very high current which can lead to overheating, electrolyte gel leakage, harmful fumes, or explosion. The LIR tabs short-circuit easily when placed on a conductive surface. Appropriate circuitry with an integrated PCM is employed to protect accidental short circuit of the battery pack.

### ***1.2 Mechanical Shock***

Dropping the unit or subjecting it to impact, bending, or other stresses may cause failure or shorten life of the LIR battery.

## 2. OTHER

### ***2.1 Battery Connection***

- Direct soldering of wire leads or devices to the battery is strictly prohibited.
- Lead tabs with pre-soldered wiring shall be spot welded to the batteries. Direct soldering may cause damage of components, such as the separator and insulator, as a result of heat build up.

### ***2.2 Prevention of Short Circuit Within a Battery Pack***

Insulative layers between the wiring and the batteries provide extra safety and protection against short circuits. The battery pack is constructed in such a way as to prevent a short circuit that would result in smoke or fire. t

### ***2.3 Do Not Disassemble the Batteries***

Never disassemble the batteries, as doing so may cause an internal short circuit in the battery, resulting in harmful fumes, fire, explosion, or other hazards.

Electrolyte gel is harmful, and any leakage of electrolyte gel should be addressed with extreme caution. Should the electrolyte gel come into contact with the skin or eyes, flush the area of contact with fresh water and seek medical attention immediately.

### ***2.4 Do Not Expose the Battery to Heat or Fire***

Never incinerate or dispose of the batteries in fire. This may cause an explosion.

### ***2.5 Do Not Expose the Battery to Water or Other Liquids***

Never soak or drop the batteries in liquids such as water, seawater, beverages, juices, coffee or any other liquids.

### ***2.6 Battery Replacement***

For battery replacement, please contact ADJ customer support (800) 322-6337.

### ***2.7 Do Not Use a Damaged Battery***

Should the battery be found to be damaged (including damage to the plastic casing, deformation of the battery package, odor of an electrolyte or other chemical, or leakage of the electrolyte gel, among other damages) DO NOT use the battery. A battery with a odor of electrolyte or a gel leakage should be placed away from fire or heat in order to reduce the risk of explosion.



# **BATTERY PRECAUTIONS**

## **3. BATTERY STORAGE**

Store the battery at room temperature, with a charge of at least 50%. During long periods of storage, it is recommended that the battery be charged every 6 months. Doing so will prolong the life of the battery and will also make sure that the battery charge does not fall below the 30% mark.

## **4. OTHER CHEMICAL REACTIONS**

Because batteries utilize a chemical reaction, battery performance will deteriorate over time even if stored for a long period of time without being used. In addition, if the various usage conditions, such as charge, discharge, ambient temperature, etc. are not maintained within the specified ranges, the life expectancy of the battery may be shortened, or the device in which the battery is used may be damaged by electrolyte gel leakage. If the batteries cannot maintain a charge for long periods of time, even when charged correctly, this may indicate that replacement of the battery is required.

## **5. BATTERY DISPOSAL**

Please dispose of battery according to local regulations.

# INSTALLATION

The unit can be installed in two different ways.

The unit includes an X-Clip that allows installation on drop down ceilings. Always ensure that the unit is firmly fixed to avoid vibration and slipping during operation. Always ensure that the structure to which you are attaching the unit is secure and able to support at least 10 times the unit's weight. Always use a safety cable that can hold 12 times the weight of the unit when doing this type of installation. The safety cable should go through the eye hole nut that holds the X-Clip base in place.

You can also install using the magnetic base. To do this, remove the X-Clip base by unscrewing the eye hole bolt. Once the X-Clip has been removed, the fixture can be stuck to anything magnetic.

**The equipment must be installed by a professional, and it must be installed in a place where it is out of the general public's reach.**

## COLOR FILTER INSTALLATION

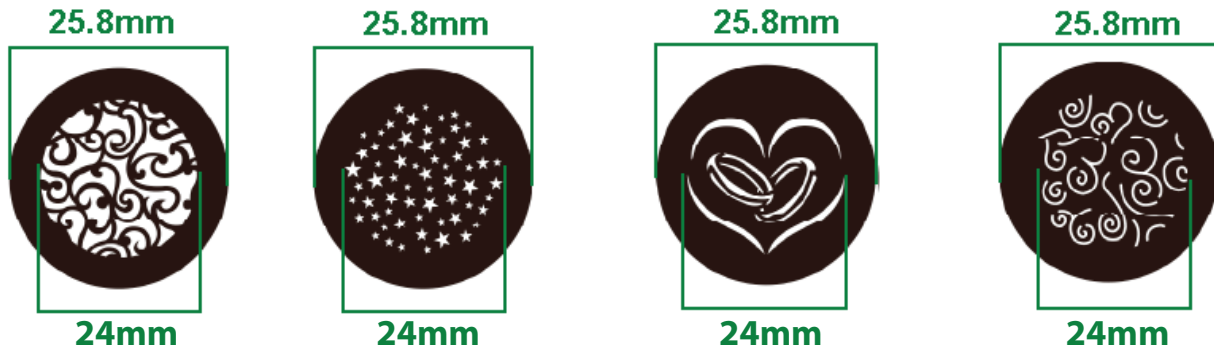
The PinPoint Gobo comes with 4 color filters and a frost filter. To install any of the filters, follow the steps below:

1. Remove gobo holder from the fixture.
2. Remove the retainer ring that holds the gobo in place.
3. Install the filter and replace the retainer ring.

## GOBO INSTALLATION

The PinPoint Gobo comes with 4 replaceable gobos (see below). To install a gobo, follow the directions below:

1. Remove the gobo holder by unscrewing the thumb screw that is located at the top of the fixture.
2. Remove the retainer ring that holds the gobo in place.
3. Install the gobo and replace the retainer ring.



## FOCUS AND ZOOM ADJUSTMENT

The knobs located on the right side of unit are used to adjust the focus and the zoom. For a tighter/narrower beam, move the first/front knob to the front of the fixture, and move the second knob to rear. For a wider beam, move the first/front knob towards the middle of the fixture, and move the second knob towards the middle as well. Adjust accordingly.

# UC IR REMOTE

The **UC IR (sold separately)** infrared remote 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. **Please note that the UC IR remote can only be used when the fixture is in primary mode.**

- **STAND BY** - Pressing this button will blackout the fixture. Press the button again to return to the initial state. This button is also used to switch between full on mode, 3.3W mode, and energy saving mode. Refer to the **Operating Instructions** section of this manual for details on how to switch between modes.
- **FULL ON** - Hold this button down to fully light up the unit. When the button is released, the unit will return to its previous state.
- **FADE/GOBO** - Press this button to activate fade mode.
- **“DIMMER +” and “DIMMER -”** - Use these buttons to adjust output intensity.
- **STROBE** - Press and hold this button to activate strobing.
- **COLOR** - Press this button to activate white color mode. Use the “DIMMER +” and “DIMMER -” to adjust output intensity. Press and hold the strobe button to activate strobing.
- **1-9** - When SHOW 0 is active, buttons 1 & 2 will switch between fast fade and slow fade. Buttons 3-9 have no defined function for this fixture.
- **SHOW 0** - Press this button to activate show mode. Use buttons 1 & 2 to switch between fast fade and slow fade.



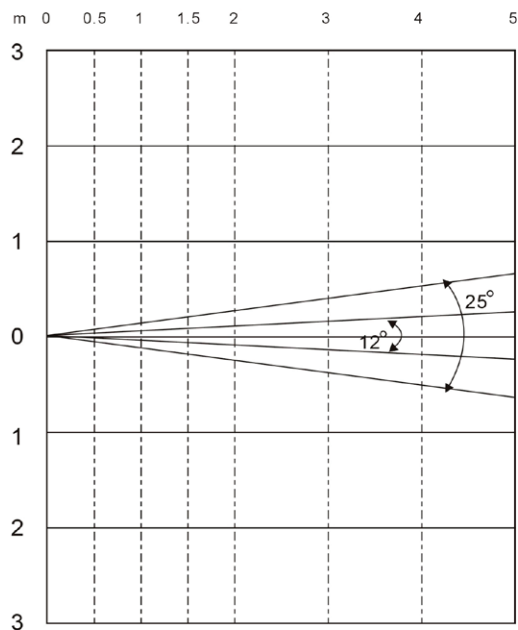
# ADJ LED RC3 REMOTE

The **ADJ LED RC3** infrared remote (sold separately) has many different functions and gives you complete control of your PinPoint Gobo. For best results, aim the controller at the front of the fixture. Maximum range is 30 feet. **Please note that the ADJ LED RC3 remote can only be used when the fixture is in primary mode.**

- **BLACKOUT** - Pressing this button will blackout the fixture. This button is also used to switch between full on mode, 3.3W mode, and energy saving mode. See the **Operating Instructions** section of this manual for instructions on how to switch modes.
- **AUTO RUN** - Press this button to switch between fast fade and slow fade. Press the Speed button and use the “+” & “-” buttons to adjust the program speed. Press the Flash button to activate strobing and use the “+” & “-” buttons to adjust the strobe speed.
- **STATIC COLOR MODE** - Press the “SELECT PROG” button to activate color mode. Use the “+” & “-” buttons to adjust the intensity. Press the Flash button to activate strobing, and use the “+” & “-” buttons to adjust the strobe speed.



# PHOTOMETRIC CHART



	0.5m	1m	2m	3m	4m	5m	
12°							Diameter (Meters) LUX
CW	0.125 21800	0.25 4740	1.50 1044	0.75 445	1.00 251	1.25 154.2	
25°							Diameter (Meters) LUX
CW	0.275 5240	0.55 1537	1.10 381	1.65 160.5	2.20 92.3	2.75 56.6	

## BATTERY CHARGING

To recharge the battery, simply plug the included power supply into the socket on the side of the unit, and connect the other end to a power source whose voltage matches the unit's requirements. The battery requires approximately 6.5 hours to reach full charge with the unit powered off.

## CLEANING

Due to fog residue, smoke, and dust, cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

- Use normal glass cleaner and a soft cloth to wipe down the outer casing.
- Clean the external optics with glass cleaner and a soft cloth every 20 days.
- 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).

# SPECIFICATIONS

- Rechargeable battery powered, bright 10W cool white LED Pinpoint / Gobo Projector
- 12-25-degree variable beam
- Manual focus
- Compact high-tech metal case design
- Drop in GOBO Slot (for metal gobos only)
- Long-life LED: 50,000 hour LED life
- Power consumption: 11W
- Includes magnetic bracket for easy quick install on metal
- X-CLIP Bracket for drop ceiling frame mounting
- Includes 4 metal GOBOS and 5 color filters
- Replaceable Gobo size: 25.8mm; Viewable size: 24mm
- Gobo Thickness: 1mm max.
- Includes Frost Filter & 4 Color Filters: Red, Green, Blue & Amber
- Includes Power Adapter (DC 8.7V 1A)
- Light Output: 876 LUX @2M; 203 LUX @4M (17-degree beam)
- Refresh Rate: 1KHz
- ADJ UC IR Remote Control & ADJ LED RC3 Control (Sold Separately)
- Dimensions (LxWxH): 9.75" x 4" x 2.75" / 245 x 102 x 70mm
- Weight: 3 lbs. / 1.1 kgs.

## BATTERY SPECIFICATIONS:

- Charge Time: 6.5 Hours (Load Switch Off)
- Battery Life: 4.5 Hours Full On in 10W Mode, 10 Hours in 3.3W Mode, 12.5 Hours in Energy Saving Mode (Full Charge)
- Battery Lifetime: Average Lifetime is 500 Charges (This depends on charging frequency)
- Type: Fixed Lithium Battery
- Energy: 32.56WH (Watt Hours)
- Weight: 0.4lbs. / 0.19kg
- Voltage: 7.4V
- Capacity: 4.4AH
- Total Lithium Ion Cells: 4pcs
- Wrap Material: PVC Sleeving + Highland Barley Paper

***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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