



PINPOINT GOBO COLOR



User Manual

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DOCUMENT VERSION



Due to additional product features and/or enhancements, an updated version of this document may be available online.

Please check www.adj.com for the latest revision/update of this manual before beginning installation and/or programming.

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

Unpacking: Thank you for purchasing the PinPoint Gobo COLOR by ADJ Products, LLC. Every unit 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 have been damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit have arrived intact. In the event that damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Do not return this unit to your dealer without first contacting customer support.

Introduction: The ADJ PinPoint Gobo Color is a battery powered GOBO projector powered by a 10-Watt Quad (RGBA 4-in-1) LED. It includes 4 standard removable GOBOs and a frost filter to diffuse the beam for wider washes of light. When the GOBO is removed, the unit may be used as a pinspot to spot tables, decor, architecture, or used for special effects. The unit has an easy replaceable GOBO holder so that user may interchange the supplied GOBOs or insert custom GOBOs. Sliders are located on the side of the fixture and can be used to manually adjust the focus and beam angle.

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

Parts: To purchase parts online visit:

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

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

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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.

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

GENERAL INSTRUCTIONS

To optimize the performance of this product, please read these operating instructions carefully and 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

- DC Powered and Battery Powered
- Dimming 0-100%
- Fast Color Fade & Change and Slow Color Fade & Change,
- UC IR Remote Compatible (Not Included)
- ADJ LED RC2 Compatible (Not Included)

WARRANTY REGISTRATION

This unit carries a two 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 accompanied by 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 an 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.

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 the product back—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 prepaid. 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 and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall incur 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 product serial number and/or labels are 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 it was not properly maintained as set forth in the product instructions, guidelines and/or user 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 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 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 all warranties, whether expressed or implied, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. 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 Product, LLC be liable for any loss and/or damage, direct and/or consequential arising out of the use of, and/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.

MANUFACTURER'S LIMITED WARRANTY PERIODS:

- Non-LED Lighting Products = 1-Year (365 Days) (Including Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands, Power/Data Distribution, etc. excluding LED and lamps)
- Laser Products = 1-Year (365 Days) (excluding laser diodes which have a 6-Month Limited Warranty)
- LED Products = 2-Year (730 Days) (excluding batteries which have a 180 Day Limited Warranty)
- NOTE: 2-Year (730 Days) Limited Warranty ONLY applies to product purchased within the United States. StarTec Series = 1-Year (365 Days) (excluding batteries which have a 180 Day Limited Warranty)
- ADJ DMX Controllers = 2 Year (730 Days)
- American Audio Products = 1 Year (365 Days)

SAFETY PRECAUTIONS

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Do not spill water or other liquids into or on to your unit.
- Be sure that the local power outlet matches the required voltage of your unit.
- Do not attempt to operate this unit if the power cord has been 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 appliance.
 - C. The appliance has been exposed to rain or water.
 - D. The appliance 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 and could cause the battery to overheat and result in electrolyte gel leakage, harmful fumes, or explosion. The LIR tabs can easily be short-circuited when placed on a conductive surface. A short circuit may lead to heat build up and damage of the battery. Protective circuitry is used in the PCM to protect accidental short circuit of the battery pack.

1.2 Mechanical shock

Dropping the unit, impact and strikes, bending, etc. may cause failure or shortened operational life of the 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 heat buildup, resulting in damage to components such as the separator and insulator.

2.2 Prevention of short circuit within a battery pack

Layers of insulation between the wiring and the batteries provide extra safety protection. The battery pack is constructed such in a way as to prevent a short circuit that may result in smoke or fire.

2.3 Do not disassemble the batteries

- Never disassemble the batteries, as doing so may cause an internal short circuit in the battery, which may lead to the emission of harmful fumes, fire, explosion, or other problems.
- Electrolyte gel is harmful, and should not leak from the battery. Should the electrolyte gel come into contact with the skin or eyes, flush the area of contact immediately with fresh water and seek medical attention right away.

2.4 Do not expose the battery to heat or fire

Never incinerate or dispose of the batteries in fire, as doing so may result in an explosion.

2.5 Do not expose the battery to water or liquids

Never soak/drop the batteries in liquids such as water, seawater, soft drinks, juices, or coffee.

2.6 Battery replacement

For battery replacement, please contact ADJ customer support.

2.7 Do not use a damaged battery

The battery may be damaged as a result of shock or impact during shipping. In the event that the battery is damaged, including but not limited to damage to the plastic casing of the battery, deformation of the battery package, emission of electrolyte or chemical odor, or leakage of the electrolyte gel, DO NOT use the battery. A battery that is emitting an electrolyte or chemical odor or leaking electrolyte gel should be placed away from fire to avoid fire or explosion.

BATTERY PRECAUTIONS

3. BATTERY STORAGE

During storage, the battery should be stored at room temperature with a charge of at least 50%. ADJ recommends that during long periods of storage, the battery be charged every 6 months. Doing so will prolong the life of the battery, in addition to making sure that the battery charge does not fall below the 30% mark.

4. OTHER CHEMICAL REACTION

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 noticeably 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 they are charged correctly, this may indicate it is time to change the battery.

5. BATTERY DISPOSAL

Please dispose of battery according to local regulations.

OPERATING INSTRUCTIONS

Full On Mode, 3.3W Mode, & Energy Saving Mode:

The PinPoint Gobo COLOR has 3 LED modes: full on mode, 3.3W mode, and energy saving mode. When the PinPoint Gobo is set into energy saving mode, it will decrease the LED brightness gradually when the battery life is less than 80% in order to extend the battery life. *NOTE: When the unit is using DC power, the energy saving mode cannot be used.*

- When operating the device using the keys on the control panel, press the MODE button for 5 seconds to switch between normal mode, 3.3W mode, and energy saving mode.
- When using the ADJ LED RC2, press the BLACKOUT button for 5 seconds to switch between operating modes.
- When using the UC IR, press the STAND BY button for 5 seconds to switch between operating modes.
- Regardless of whether the device is being controlled from the control panel, LED RC2, or UC IR, the LED mode is signified by the LEDs. In full on mode, all LEDs flash twice; in 3.3W mode, the blue LED flashes 5 times; and in energy saving mode, the green LED flashes 10 times.

Low Battery Warning:

When the battery power falls below 30%, the red & blue LED's will alternately flash rapidly for 5 seconds each time the power is switched ON. After the 5 seconds, the unit will function normally. The device does this to inform the user that charging is required.

Operating Power:

There are two ways to supply power to this unit: battery power or DC power.

- *DC Power* - To run the unit using DC power, plug the unit into a DC power source, and put the POWER switch into the ON position.
- *Battery Power* - To run the unit using Battery power, put the POWER switch in the ON position.

Mode Button Lock:

The MODE button will lock itself after 30 seconds of inactivity. To unlock the unit, press and hold the MODE button for 3 seconds.

Mode Operation:

Each press of the MODE button will cycle through the different operating modes. The operating modes are listed below in the order in which the unit cycles through them. Please note: When power is turned OFF and turned back ON, the unit will start in the last operating mode.

- *Order of Operating Modes: 64 Color Macros > Fast Fade > Fast Change > Slow Fade > Slow Change > LED Off*

Pressing the MODE button again after "LED Off" will return the unit to the first color macro.

INSTALLATION

There are two possible installation methods for this unit.

X-Clip Method: The unit includes an X-Clip to allow installation from 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 capable of supporting at least 10 times the unit's weight. Always use a safety cable that can hold 12 times the unit's weight when doing installing the unit in a suspended environment. The safety cable should go through the eye hole nut that holds the X-Clip base in place.

Magnetic Base Method: The unit's magnetic base can also be used for installation to magnetic surfaces. Remove the X-Clip base by unscrewing the eye hole bolt. The unit can now be stuck to any magnetic surface.

Regardless of the chosen installation method, the equipment must be installed by a professional, and it must be installed in a place where it is out of the reach of the general public.

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/narrow 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 as required.

GOBO INSTALLATION

The PinPoint Gobo COLOR comes with 4 replaceable gobos (see below). To install a gobo, remove the gobo holder by unscrewing the thumb screw located at the top of the fixture. Remove the retainer ring that holds the gobo in place, then remove the old gobo and replace it with the new gobo. Re-install the retainer ring to hold the gobo in place, insert the holder back into the unit, and tighten the thumb screw to secure the gobo holder.



FROST FILTER INSTALLATION

The PinPoint Gobo COLOR comes with a frost filter. To install the filter, remove the gobo holder from the fixture, then remove the retainer ring that holds the gobo in place. Install the filter and replace the retainer ring.

UC IR REMOTE

The **UC IR (sold separately)** infrared remote gives you control of various functions, as listed below. The remote must be aimed towards the front of the fixture, and maximum range is 30 feet.

CONTROLS

- **STAND BY** - Press this button to 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.
- **FULL ON** - Hold this button down to fully illuminate the unit. The unit returns to its previous state when the button is released.
- **FADE/GOBO** - Press to activate color fade mode.
- **“DIMMER +” and “DIMMER -”** - Use these buttons to adjust the color output intensity when static color mode is active.
- **STROBE** - Press and hold for strobing.
- **COLOR** - Press to activate static color mode. Use buttons 1-9 to select your desired color.
- **1-9** - Use to select your desired color in static color mode, or your desired show when show mode is active.
- **SHOW 0** - Press this button to activate show mode, and use buttons 1-4 to select fast color fade, fast color change, slow color fade, or slow color change modes.

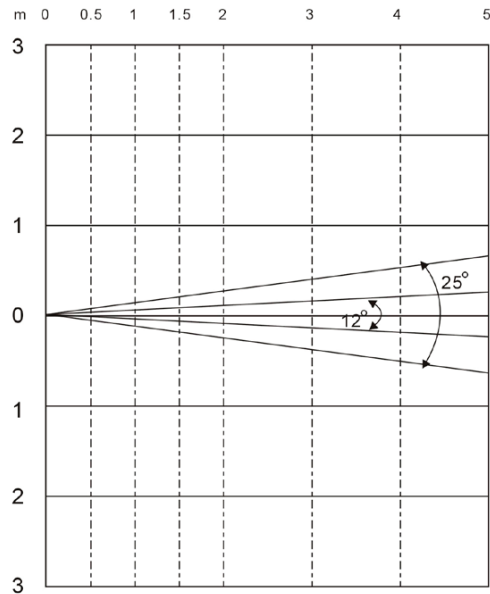
ADJ LED RC2 REMOTE

The **ADJ LED RC2 infrared remote (Sold Separately)** has a wide range of functions, giving the user complete control of the PinPoint Gobo COLOR. The controller must be aimed at the front of the fixture, and maximum range is 30 feet.

CONTROLS

- **BLACKOUT** - Press to blackout the fixture, or to switch between full on mode, 3.3W mode, and energy saving mode. Refer to the **Operating Instructions** section of this manual for details.
- **SELECT PROG (PROGRAM)** - Press to scroll through fast fade, fast change, slow fade, and slow change programs. Press the Speed button, then use the + and - buttons to adjust the program speed. Press the Flash button to activate strobing, then use the + and - buttons to adjust the strobe speed.
- **MANUAL COLOR MODE** - Press the R/G/B/A buttons to select one of the four colors. Use the + and - buttons to adjust the output intensity of each color. This color will now be saved to memory. When the power is switched off and back on again, the unit will return to this color. Press the Flash button to activate strobing, then use the + and - buttons to adjust the strobe speed.
- **COLOR SELECT MODE** - Press the “1” button to activate color select mode. Use the + and - buttons to scroll through the 64 color macros. Press the Flash button to activate strobing, then use the + and - buttons to adjust the strobe speed.

PHOTOMETRIC CHART



	0.5m	1m	2m	3m	4m	5m	
12°	0.125	0.25	1.50	0.75	1.00	1.25	Diameter (Meters)
R	2580	563	147.3	66.3	39.1	27.5	LUX
G	2530	549	132.8	55.2	33.5	20.9	LUX
B	3050	626	161.5	76.9	41.2	26.1	LUX
A	1332	292	47.2	35.4	17.4	11.8	LUX
RGBA	9480	2060	494	265	121.8	73.2	LUX
25°	0.275	0.55	1.10	1.65	2.20	2.75	Diameter (Meters)
R	1053	181	51.5	22.1	11.5	7.7	LUX
G	993	162.5	41.5	18.8	9.8	6.2	LUX
B	1052	188.1	50.2	21.6	11.9	7.6	LUX
A	595	97.3	25.4	9.7	5.9	3.8	LUX
RGBA	3260	541	143.3	63.9	35.6	22.3	LUX

BATTERY CHARGING

To recharge the battery, plug the included power supply into the input on the side of the unit, and plug the other end into a matching power supply. The battery requires approximately 6.5 hours to charge completely with the power switch off.

CLEANING

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

- Use normal glass cleaner and a soft cloth to periodically wipe down both the outside casing and the external optics.
- 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 RGBA 4-in-1 LED Pinspot / Gobo Projector
- 17-33-degree variable beam
- Manual focus
- Compact high-tech metal case design
- Long-life LED: 50,000 hour LED life
- Light Output: 431 LUX @2M; 110.8 LUX @4M (15-degree beam)
- Refresh Rate: 1KHz
- Power consumption: 11W
- Includes magnetic bracket for easy quick install on metal
- X-CLIP Bracket for drop ceiling frame mounting
- Includes Frost Filter to defuse beam
- Includes 4 metal GOBOs
- Replaceable Gobo size: 25.8mm; Viewable size: 19mm; Thickness: 1mm max.
- Drop in GOBO Slot (for metal gobos only)
- Includes Power Adapter (DC 8.7V 1A)
- ADJ UC IR Remote Control (Sold Separately)
- ADJ LED RC2 Control (Sold Separately)
- Battery Charge Time: 6 Hours (With POWER switch off)
- Battery Life: 5 Hours (Full On) / 18 Hours (In Energy Saving Mode w/ Full Charge)
- Energy saving mode is activated from the UC IR remote (sold separately)
- Dimensions (LxWxH): 9.75" x 4" x 2.75" / 245 x 102 x 70mm
- Weight: 3 lbs. / 1.1 kgs.

BATTERY SPECIFICATIONS

- Battery Charge Time: 6.5 Hours (Load Switch Off)
- Battery Life: 5 Hours Full On in 10W Mode, 10 Hours in 3.3W Mode, 18 Hours in Energy Saving Mode (Full Charge)
- Battery Lifetime: Average Lifetime is 500 Charges (This depends on charging frequency)
- Battery Type: Fixed Lithium Battery
- Battery Energy: 32.56WH (Watt Hours)
- Battery Weight: 0.4lbs. / 0.19kg
- Battery Voltage: 7.4V
- Battery Capacity: 4.4AH
- Total Lithium Ion Cells: 4pcs
- Battery Wrap Material: PVC Sleeving + Highland Barley Paper

