

EZ Gobo

User Manual




CHAUVET 

Edition Notes

The EZGobo User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the EZGobo as of the release date of this edition.

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Document Printing

For best results, print this document in color, on letter size paper (8.5 x 11 in), double-sided. If using A4 paper (210 x 297 mm), configure the printer to scale the content accordingly.

Intended Audience

Any person installing, operating, and/or maintaining this product should completely read through the guide that shipped with the product, as well as this manual, before installing, operating, or maintaining this product.

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Go to www.chauvetdj.com for the latest version.

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1. Before You Begin

What Is Included

- EZGobo
- External power supply
- Scissor clamp
- Set of 10 wedding-ready gobos
- Quick Reference Guide

Unpacking Instructions

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.

Claims





If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not Chauvet. Failure to report damage to the carrier immediately may invalidate a claim. In addition, keep the box and contents for inspection.

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with Chauvet within 7 days of delivery.

Text Conventions

Convention	Meaning
1–512	A range of values
50/60	A set of values of which only one can be chosen
Settings	A menu option not to be modified
<ENTER>	A key to be pressed on the product's control panel
ON	A value to be entered or selected

Symbols

Symbol	Meaning
	Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.
	Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
	Important installation or configuration information. The product may not function correctly if this information is not used.
	Useful information.

Safety Notes

These Safety Notes include important information about installation, use, and maintenance of the EZGobo.



- **ALWAYS:**

- ◆ Connect to a grounded circuit.
- ◆ Connect to operating voltages as specified on the product's spec sticker.
- ◆ Disconnect from its power source during periods of inactivity.
- ◆ Use a safety cable when suspending overhead.
- ◆ Heed all restrictions and warnings on the spec sticker.
- ◆ Mount in a location with at least 20 in (50 cm) of ventilation.

- In the event of a serious operating problem, stop using immediately.

- **DO NOT:**

- ◆ Open this product or attempt any repairs. It contains no user-serviceable parts.
- ◆ Look at the light source when the product is on.
- ◆ Allow flammable materials close to the product when it is operating.
- ◆ Block any ventilation holes/slots in the housing.
- ◆ Connect to a dimmer or rheostat.
- ◆ Operate in temperatures higher than 104°F (40°C).
- ◆ Expose to environments that exceed the Ingress Protection (IP) rating.
- ◆ Expose to rain or moisture.
- ◆ Use outdoors.
- ◆ Submerge.
- ◆ Leave outdoors for extended periods of time.
- ◆ Expose to corrosive environmental conditions such as temperature, humidity, salinity, pressure, radiation, or shock.
- ◆ Set this product on a flammable surface.



Keep this User Manual for future use. If the product is sold to someone else, be sure that they also receive this document.

Battery Charge Notes

Rechargeable lithium-ion batteries are potentially hazardous and can present a serious FIRE HAZARD, SERIOUS INJURY and/or PROPERTY DAMAGE if damaged, defective, or improperly used.

- **ALWAYS:**

- ◆ Charge using a manufacturer-provided charger while the product is powered off.
- ◆ Charge the battery in temperatures between 32°-95°F (0°-35°C).
- ◆ Allow a depleted battery to charge for a few minutes before turning on the product. If the battery is completely discharged, the device cannot be turned on immediately when the charger is connected.
- ◆ Keep at least 3 ft (1 m) distance to any heat source and away from flammable materials.
- ◆ Keep batteries away from children.
- ◆ Store batteries between 40-60% charge.
- ◆ Follow local regulations when disposing of batteries.
- ◆ Replace with an authentic Chauvet battery.



- **DO NOT:**

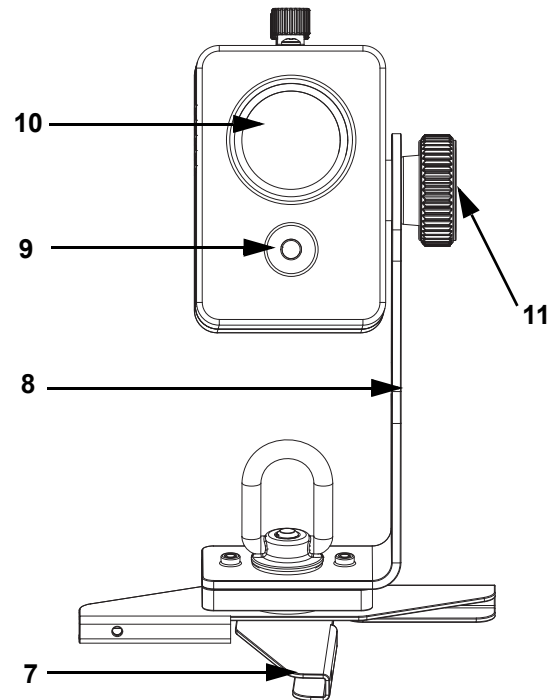
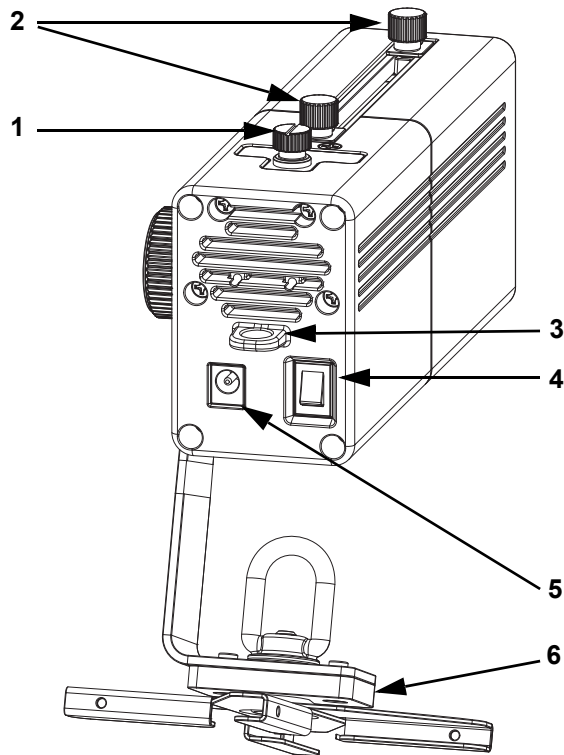
- ◆ Continue charging if the battery becomes hot, smokes, swells, or gives off an odor during charging.
- ◆ Leave the product unattended while charging.
- ◆ Deplete the battery below 10%.
- ◆ Charge the battery in a closed container.
- ◆ Charge for more than 24 hours.

RF Exposure Warning for North America and Australia

Warning! This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and the user. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

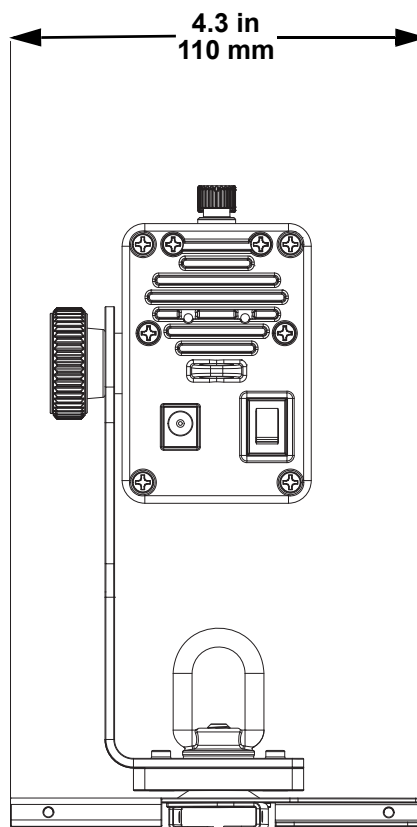
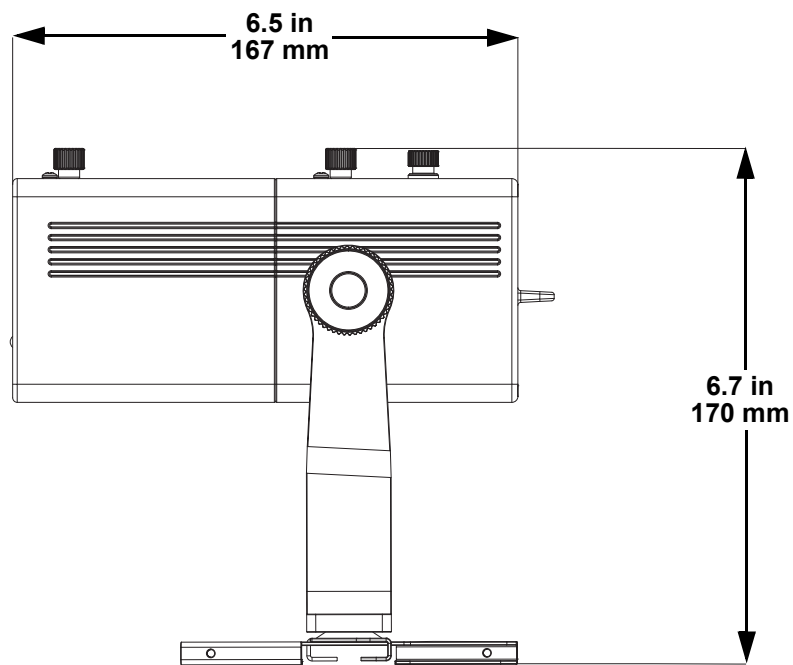
2. Introduction

Product Overview



#	Name	#	Name
1	Gobo slot thumbscrew	7	Scissor clip
2	Zoom thumbscrews	8	Mounting bracket
3	Safety cable loop	9	IRC-6 sensor
4	On/off switch	10	Lens
5	DC power jack	11	Bracket adjusting knob
6	Magnetic base		

Product Dimensions



3. Setup

Battery Power

The EZGobo comes with a rechargeable lithium battery for cable-free operation.

Charging the Battery

The battery charges whenever the EZGobo is plugged into a power source using the included power cable. If the product is plugged in and not in operation, make sure the product is turned off.

Battery Run Time

Maximum Run Time (single color on)	Recharge Time	
Up to 6 hours	4 hours	

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the [Safety Notes](#).

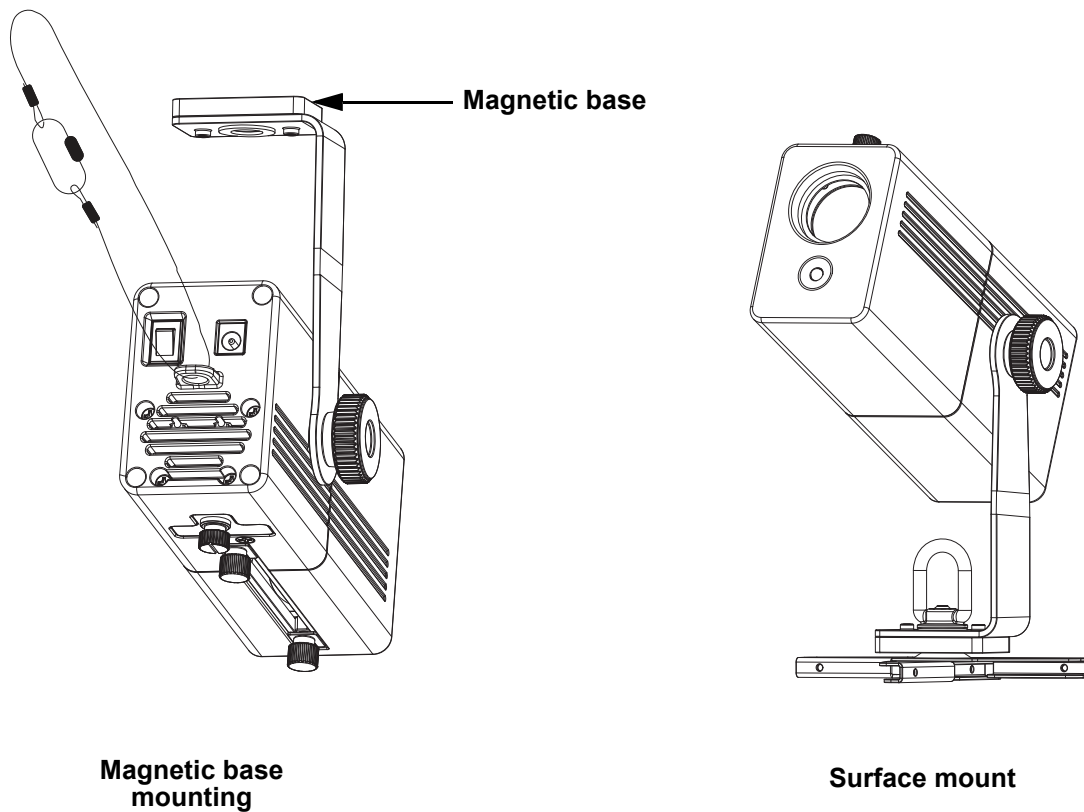
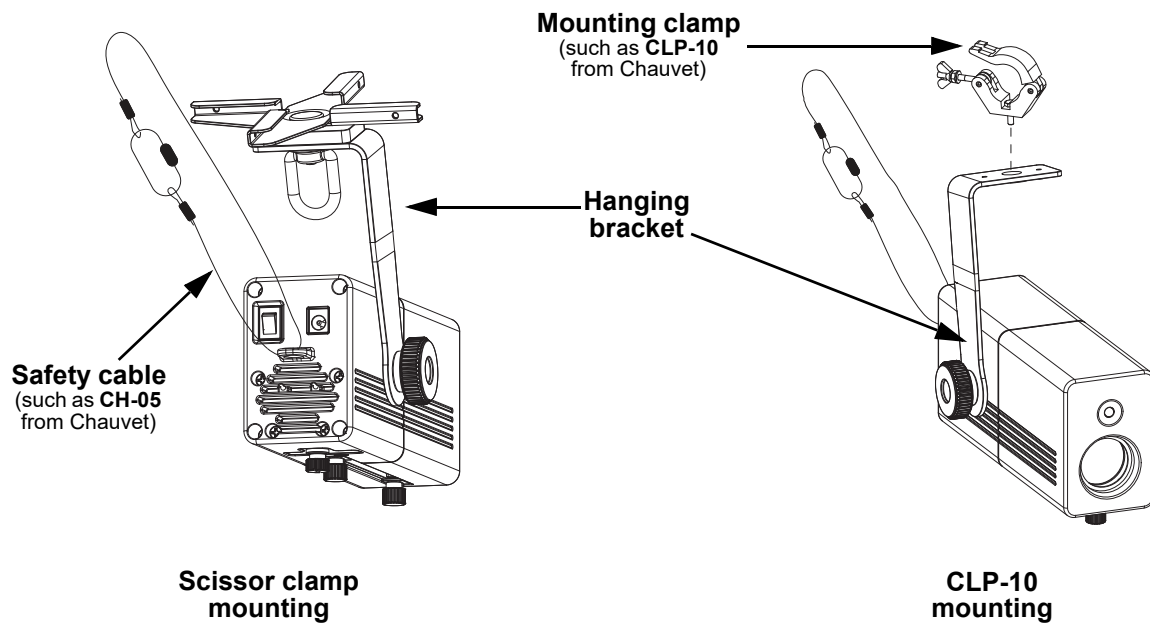
Orientation

The EZGobo may be mounted in any position; however, make sure adequate ventilation is provided around the product.

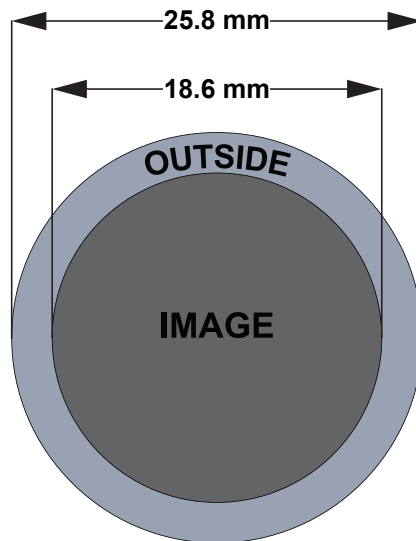
Rigging

- Before deciding on a location for the product, always make sure there is easy access to the product for maintenance and programming.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the [Technical Specifications](#) section for weight information).
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, such as an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity. The bracket has a 13-mm hole, which is appropriate for this purpose.
- The bracket adjustment knobs allow for directional adjustment when aiming the product to the desired angle. Only loosen or tighten the bracket knobs manually. Using tools could damage the knobs.
- When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

Mounting Diagram



Gobo Dimensions



Gobo Replacement

The gobo in the EZGobo is removable from the gobo holder.



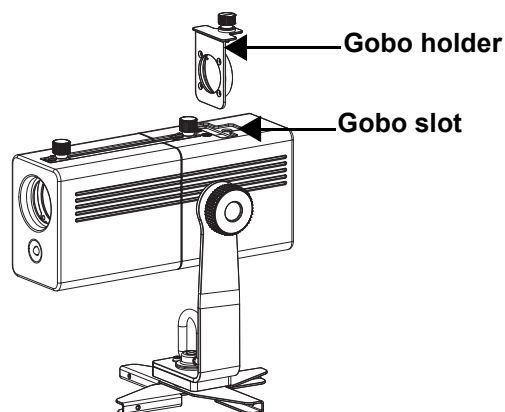
- **Make sure to disconnect the product's power cable before replacing a gobo.**
- **Always replace a gobo with a gobo of the same dimensions.**
- **When inserting a glass gobo, always make sure that the shiny side of the gobo faces the LED. This provides a layer of protection against the high temperature from the LED.**
- **All custom gobos in the EZGobo must be aluminum.**

Procedure

Follow the recommended procedure below to remove or replace the gobos:

1. Turn the product off and disconnect it from the power outlet.
2. Open the gobo slot by loosening the thumbscrew,
3. Extract the gobo holder by pulling it upward.
4. On a flat surface, remove the expansion ring that holds the gobo in place and remove the gobo from the gobo holder.
5. Insert a new gobo and hold it in place with the expansion ring.
6. Slide the gobo holder back into the gobo slot.
7. Push down on the thumbscrew and twist clockwise to tighten.

Gobo Replacement Diagram




- Gobo illustrations are for reference purposes only. Gobo designs may differ from those installed in the product.
- See [Gobo Maintenance](#) for instructions on how to clean the gobos and gobo holder.

4. Operation

IRC-6 Infrared Remote Control

The EZGobo is compatible with the IRC-6 infrared remote control from Chauvet. Consult the table below to operate the EZGobo with the IRC-6.

IRC-6	Button	Function
	<+>	Press to increase the intensity of the LED
	<->	Press to decrease the intensity of the LED
	<BLACK OUT>	Press to turn off all the lights until the button is pressed again. NOTE: The IRC-6 will not respond to any inputs when Black Out is activated. If the product does not respond when a button is pressed, try pressing <BLACK OUT>. Black Out may have been activated.



- The buttons on the IRC-6 not listed above are reserved for future use.

5. Maintenance

Product Maintenance

Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and/or mechanical wear. To maintain optimum performance and minimize wear, clean all lighting products at least twice a month. However, be aware that usage and environmental conditions could be contributing factors to increase the cleaning frequency.

To clean the product, follow the instructions below:

1. Unplug the product from power.
2. Wait until the product is at room temperature.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface/vents.
4. Clean all transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
5. Apply the solution directly to a soft, lint free cotton cloth or a lens cleaning tissue.
6. Softly drag any dirt or grime to the outside of the transparent surface.
7. Gently polish the transparent surfaces until they are free of haze and lint.



Always dry the transparent surfaces carefully after cleaning them.

Gobo Maintenance

To ensure optimal operation, 1) inspect and 2) clean gobo every four months. More frequent maintenance may be necessary if usage is higher.

To inspect, remove the gobo holder and check if:

- the holder is clean (free of dirt, grime, or gunk).
- the gobo is properly installed in the holder.

To clean the gobo and the gobo holder, follow the instructions below:

1. Remove the gobo from the holder.
2. Clean the gobo with a soft, lint-free cotton cloth.
3. Submerge the gobo holder (without the gobo installed) in a container with a liquid lubricant (i.e., WD40) and let it rest for a couple of minutes.
4. Shake the container with the gobo holder inside to help release/loosen any gunk/grime/dirt.
5. Take the gobo holder out of the container and clean it using a small nylon brush.
6. Wipe off all the lubricant from the gobo holder using a piece of lint-free cotton cloth.
7. Reinstall the gobo in the gobo holder. Make sure the gobo is in the correct position.
8. Reinstall the gobo holder in the unit.

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
6.5 in (167 mm)	4.3 in (110 mm)	6.7 in (170 mm)	2.2 lb (1 kg)

Note: Dimensions in inches are rounded.

Power

Power Supply Type	Range	DC Input
External power supply	100 to 240 VAC, 50/60 Hz	8.4 V

Parameter	120 V, 60 Hz	230 V, 50 Hz
Consumption	15 W	15 W
Operating Current	0.2 A	0.1 A

Power I/O	U.S./Worldwide	UK/Europe
Power input connector	Class 2 Power Supply	Class 2 Power Supply
Power output connector	DC Plug	DC Plug
Power cable plug	Edison (U.S.)	Local Plug

Battery Power

Capacity	Voltage	Watt Hours	Lithium Content
4400 mAh	7.4 VDC	32.56 Wh	192.77 g

Operation

Run Time	Recharge Time
Up to 6 hours	4 hours

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Cool white	1	12 W	1.65 A	50,000 hours

Photometrics

Zoom Angle	Illuminance @ 2 m (n)	Illuminance @ 2 m (w)	Color Temperature
16° to 31°	1004 lux	346 lux	10,000 K

Thermal

Maximum External Temperature	Cooling System
104 °F (40 °C)	Convection

Ordering

Product Name	Item Code	UPC Number
EZGobo	07050900	781462212483



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Warranty & Returns

For warranty terms and conditions and return information, please visit our website.

For customers in the United States and Mexico: www.chauvetlighting.com/warranty-registration.

For customers in the United Kingdom, Republic of Ireland, Belgium, the Netherlands, Luxembourg, France, and Germany: www.chauvetlighting.eu/warranty-registration.