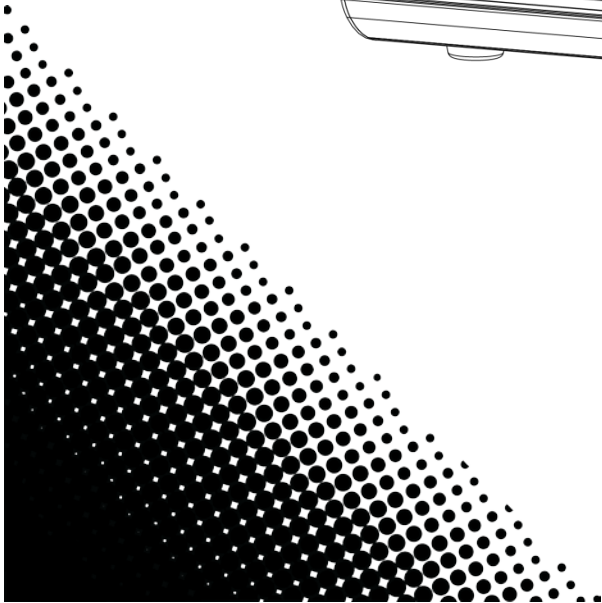
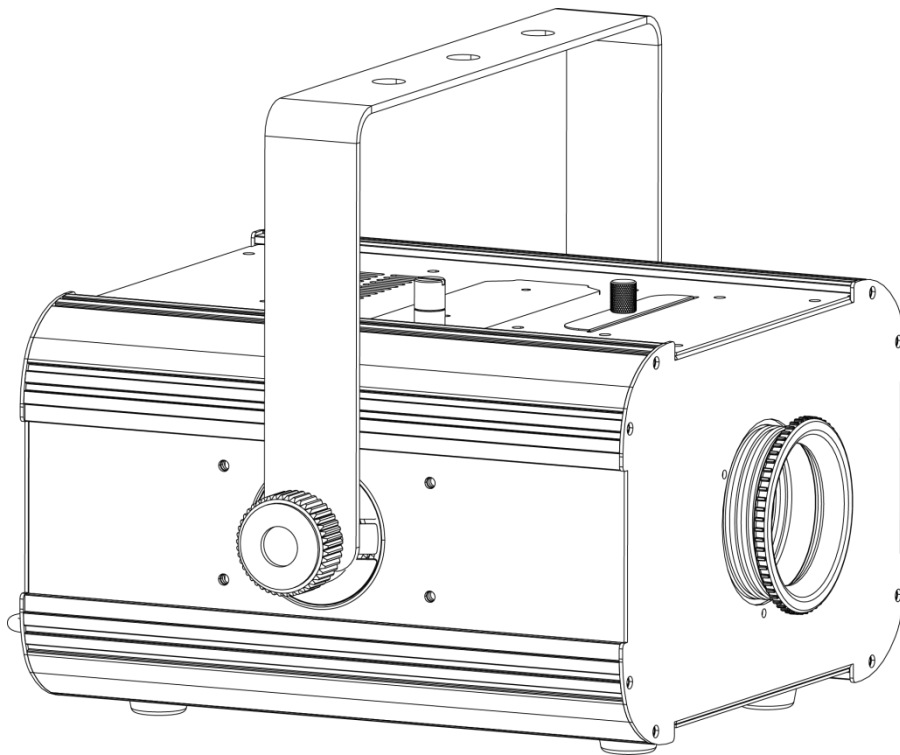


Gobo Shot™ SOW IRC

User Manual



CHAUVET®
It's **Green** Thinking.™

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1. BEFORE YOU BEGIN

What Is Included

- Gobo Shot™ 50W IRC
- 10 Gobos
- Hanging bracket with mounting hardware
- Power cord
- Wired remote with RJ45 cable
- Warranty card
- 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 your 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 |
| Menu > Settings | A sequence of menu options to be followed |
| <ENTER> | A key to be pressed on the product's control panel |
| ON | A value to be entered or selected |

Symbols

| Symbol | Meaning |
|---|---|
|  | 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. |

Disclaimer

The information and specifications contained in this User Manual are subject to change without notice. CHAUVET® assumes no responsibility or liability for any errors or omissions, and reserves the right to revise or recreate this manual at any time. Download the latest version from www.chauvetlighting.com.

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| Author | Date | Editor | Date |
|---------|----------|----------|----------|
| A. Leon | 07/19/13 | T. Yeago | 07/22/13 |

Product at a Glance

| | | | |
|-----------------|---|---------------------------|---|
| Use on Dimmer | X | Auto Programs | P |
| Outdoor Use | X | Auto-ranging Power Supply | P |
| Sound-Activated | P | Replaceable Fuse | P |
| DMX | P | User-Serviceable | X |
| Master/Slave | P | | |

Safety Notes

These notes include important information about the mounting, usage, and maintenance of this product; read before using the product.



- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Always disconnect the product from the power source before cleaning or replacing the fuse.
- Avoid direct eye exposure to the light source while the product is on.
- Make sure the power cord is not crimped or damaged.
- Never disconnect the product from power by pulling or tugging on the cord.
- If mounting the product overhead, always secure to a fastening device using a safety cable.
- Make sure there are no flammable materials close to the product when operating.
- Do not touch the product's housing when operating because it may be very hot.



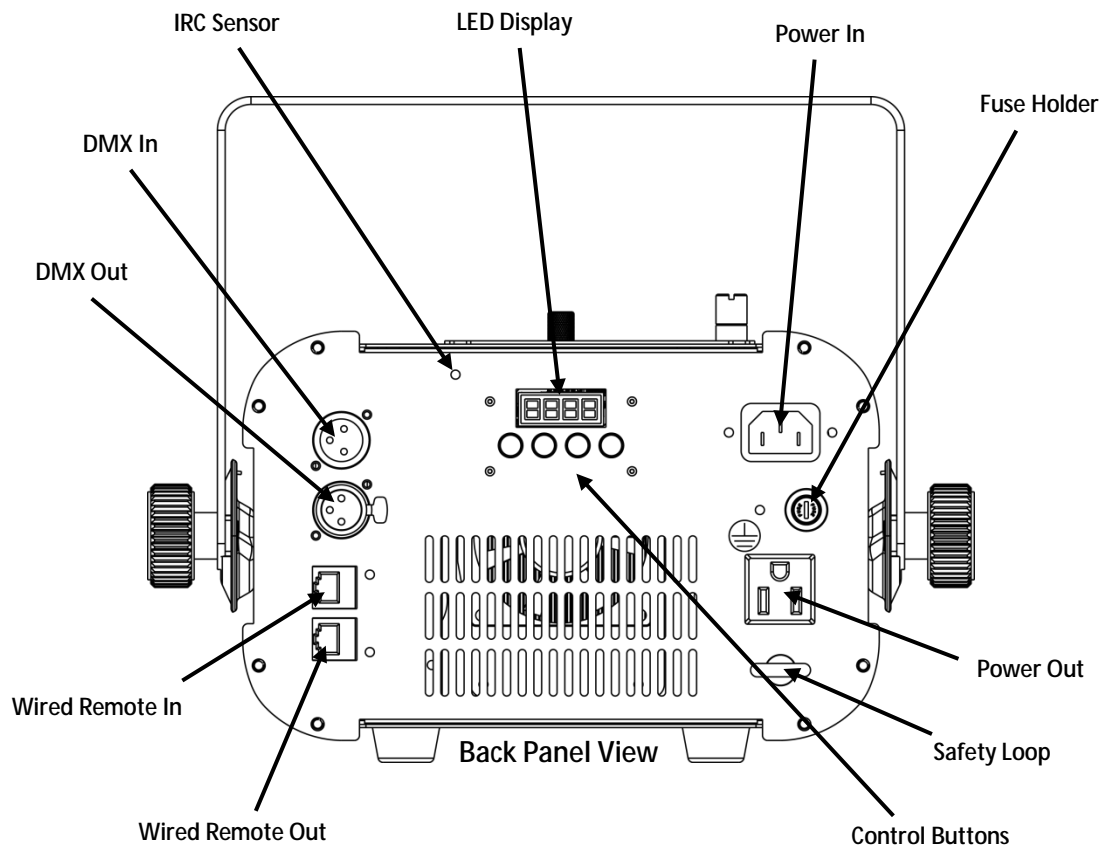
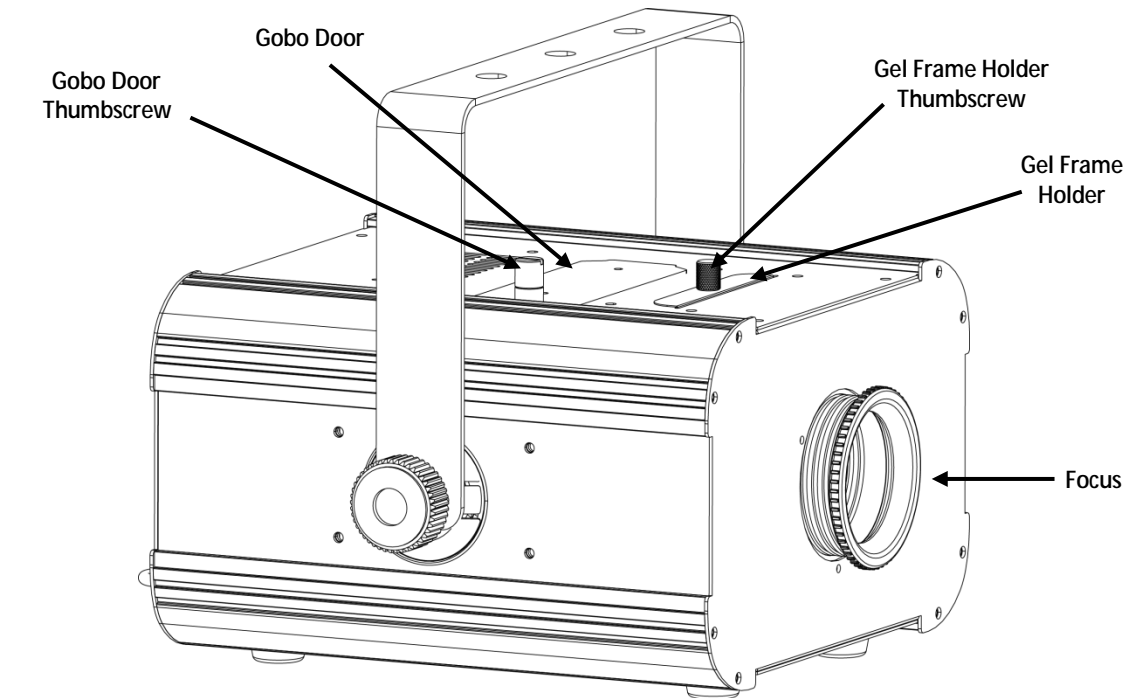
- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.
- The product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose the product to rain or moisture.
- Always install the product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Be sure that no ventilation slots on the product's housing are blocked.
- Never connect the product to a dimmer.
- Make sure to replace the fuse with another of the same type and rating.
- Never carry the product from the power cord or any moving part. Always use the hanging/mounting bracket.
- The maximum ambient temperature (Ta) is 104 °F (40 °C). Do not operate the product at higher temperatures.
- In the event of a serious operating problem, stop using the product immediately.
- Never try to repair the product. Repairs carried out by unskilled people can lead to damage or malfunction. Contact the nearest authorized technical assistance center.
- This product is not intended for permanent installation.



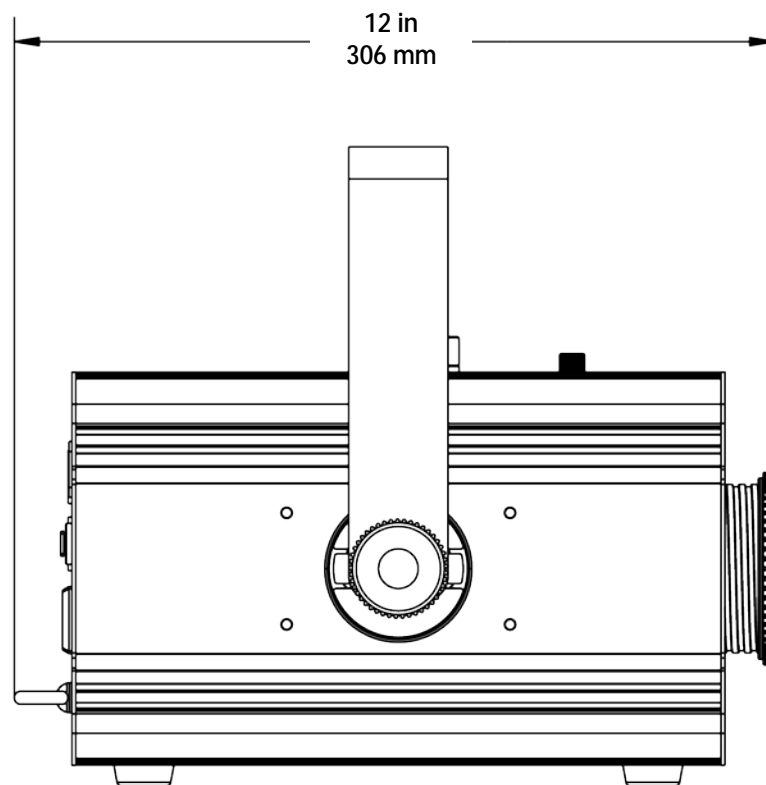
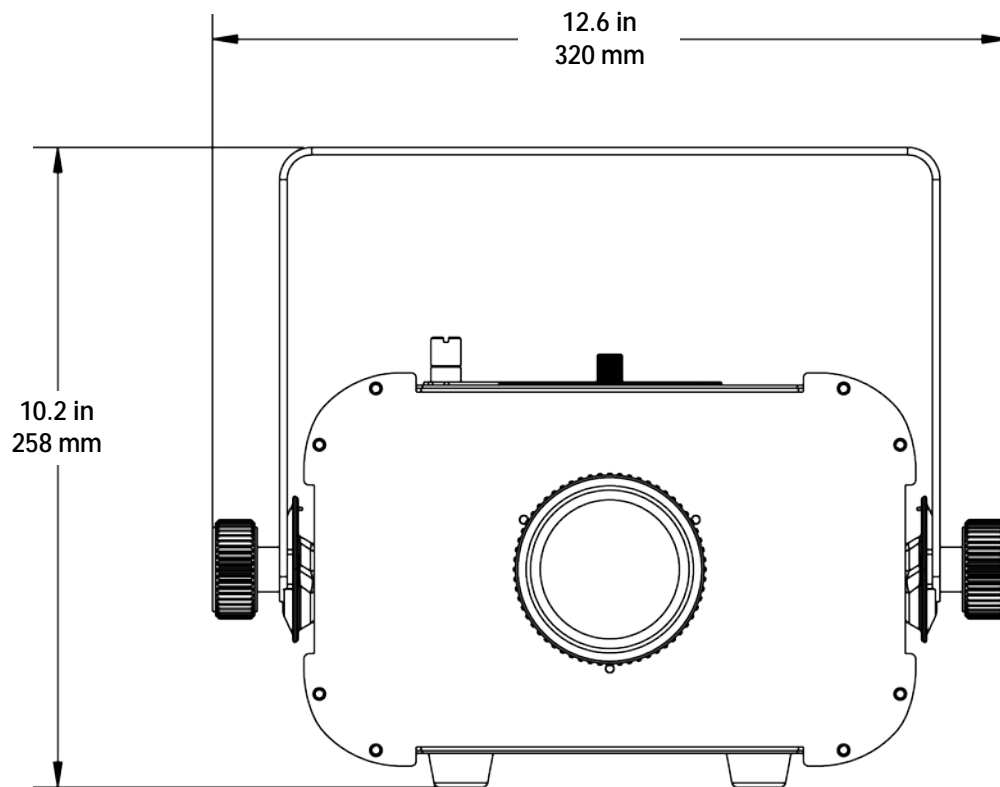
- Keep this User Manual for future use. If you sell the product to another user, be sure to give this document to the next owner.

2. INTRODUCTION

Overview



Dimensions



3. SETUP

AC Power The Gobo Shot™ 50W IRC has an auto-ranging power supply and it can work with an input voltage range of 100~240 VAC, 50/60 Hz.

To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.



Always connect the product to a protected circuit (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.



Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

Fuse Replacement



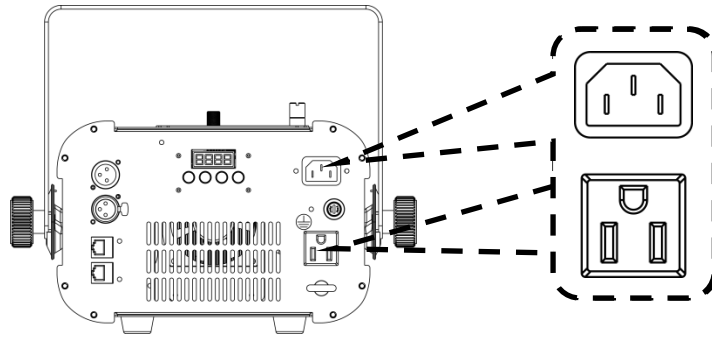
Disconnect the product from power before replacing the fuse.

1. Disconnect the product from power.
2. With a flat-head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse.
4. Replace with a fuse of the same type and rating.
5. Screw the fuse holder cap back in place and reconnect power.

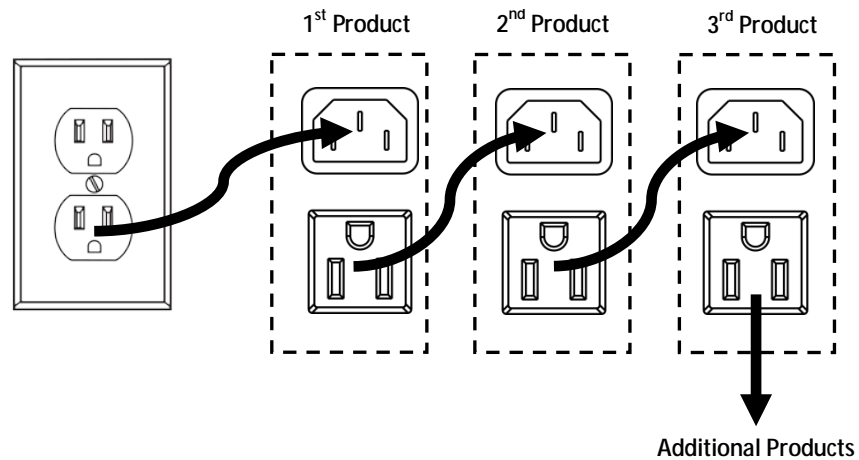


Always replace a blown fuse with another of the same type and rating.

Power Linking The product provides power linking via the Edison/IEC outlet located in the back of the unit.



Power Linking Diagram



You can power link up to 9 Gobo Shot™ 50W IRC units on 120 VAC or up to 17 Gobo Shot™ 50W IRC units on 230 VAC.

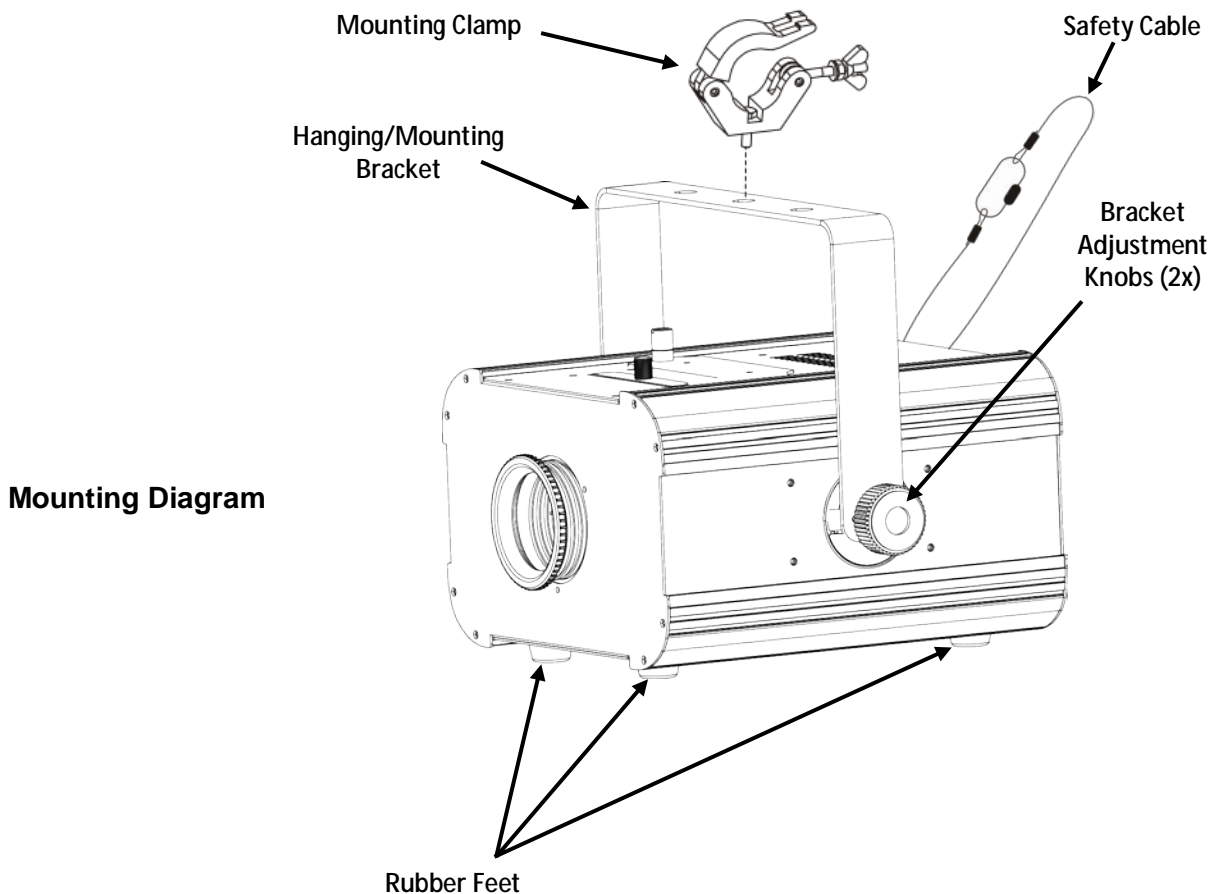


The power linking diagram shown above corresponds to the North American version of the product ONLY! If using the product in other markets, you must consult with the local CHAUVET® distributor as power linking connectors and requirements may differ in your country or region.

Mounting Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

Orientation The Gobo Shot™ 50W IRC may be mounted in any position; however, make sure adequate ventilation is provided around the product.

- Rigging**
- Before deciding on a location, always make sure there is easy access to the product for maintenance and programming.
 - Make sure that the structure or surface onto which you are mounting the product can support the product's weight (see the [Technical Specifications](#)).
 - 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, you should use a mounting clamp of appropriate weight capacity. The bracket has 13-mm holes, which are appropriate for this purpose.
 - When power linking multiple products, you must always consider the length of the power linking cable and mount the products close enough for the cable to reach.
 - 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.
 - The rubber feet also serve as floor supports. When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.



4. OPERATION

Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display.

| Button | Function |
|---------|---|
| <MENU> | Selects an operation mode or backs out of the current menu option |
| <UP> | Scrolls up the list of options or selects a higher value |
| <DOWN> | Scrolls down the list of options or selects a lower value |
| <ENTER> | Activates a menu option or a selected value |

Menu Map

| Main Function | Programming Levels | | Description |
|---------------|--------------------|------|---|
| DMX Address | d001—d512 | | Selects the DMX starting address |
| Manual Mode | nAn | Gobo | StoP Gobo rotation, stop |
| | | | CU Gobo rotation, rainbow effect |
| | | | CCU Gobo rotation, reverse rainbow effect |
| | | GoSP | 000—255 Gobo rotation speed |
| | | diNN | L000—L255 Dimmer (0—100%) |
| | | SHut | S000—S100 Shutter (0—20 Hz) |
| Display | diS | diS | Normal display |
| | | rdis | Reverse display |
| Reset | rEst | | Resets fixture |
| Load | LoAd | | Loads factory defaults |

Configuration (DMX)

Set the product in DMX mode to control with a DMX controller.

1. Connect the product to a suitable power outlet.
2. Connect a DMX cable from the DMX output of the DMX controller to the DMX input socket on the product.

Starting Address

When selecting a starting DMX address, always consider the number of DMX channels the selected DMX mode uses. If you choose a starting address that is too high, you could restrict the access to some of the product's channels.

The Gobo Shot™ 50W IRC uses up to 4 DMX channels in its 4-channel DMX mode, which defines the highest configurable address to **509**.

If unfamiliar with DMX, download the DMX Primer from www.chauvetlighting.com.

To select the starting address, do the following:

1. Press <MENU> repeatedly until **d001—d512** shows on the display.
2. Press <ENTER>.
3. Use <UP> or <DOWN> to select the starting address.
4. Press <ENTER>.

DMX Channel Modes, Assignments, and Values

| 4-Channel | Channel | Function | Value | Setting |
|-----------|---------------------|----------|-----------|---|
| | 1 | Dimmer | 000 ó 255 | 0—100% |
| | 2 | Shutter | 000 ó 003 | Closed |
| | | | 004 ó 007 | Open |
| | | | 008 ó 215 | Strobe, with increasing speed (0—20 Hz) |
| | | | 216 ó 255 | Open |
| 3 | Gobo Rotation | | 000 ó 063 | Stop |
| | | | 064 ó 127 | Rotation |
| | | | 128 ó 191 | Stop |
| | | | 192 ó 255 | Reverse rotation |
| 4 | Gobo Rotation Speed | | 000 ó 255 | Gobo speed (slow to fast) |

Configuration (Standalone)

Set the product in the standalone Manual mode to control without a DMX controller.

- Connect the product to a suitable power outlet.



Never connect a product that is operating in a standalone mode to a DMX string connected to a DMX controller. Products in standalone mode may transmit DMX signals that could interfere with the DMX signals from the controller.

Manual Mode

To enable the Manual mode, do the following:

1. Press **<MENU>** repeatedly until **nAn** shows on the display.
2. Press **<ENTER>** and **Gobo**, **GoSP**, **diNN**, or **SHut** show on the display.
3. Use **<UP>** or **<DOWN>** to select the desired option as follows.

To select from the gobo rotation options:

1. Select **Gobo** and press **<ENTER>**.
2. Use **<UP>** or **<DOWN>** to select **CU** (rainbow effect), **CCU** (reverse rainbow effect), or **StoP** (stop).
3. Press **<ENTER>**.

To select the gobo rotation speed:

1. Select **GoSP** and press **<ENTER>**.
2. Use **<UP>** or **<DOWN>** to select **000—255**.
3. Press **<ENTER>**.

For dimmer control:

1. Select **diNN** and press **<ENTER>**.
2. Use **<UP>** or **<DOWN>** to select **L000—L255** (0—100%).
3. Press **<ENTER>**.

To set the shutter speed:

1. Select **SHut** and press **<ENTER>**.
2. Use **<UP>** or **<DOWN>** to select **S000—S100** (0—20 Hz).
3. Press **<ENTER>**.

Display

You are able to flip the display for easy readability in any mounting situation.

To select your display angle:

1. Press **<MENU>** repeatedly until **diS** (normal display) or **rdiS** (inverted display) shows on the display.
2. Use **<UP>** or **<DOWN>** to select the desired display.
3. Press **<ENTER>**.

Reset Software

To reset the software in the Gobo Shot™ 50W IRC, do the following:

1. Press **<MENU>** repeatedly until **rESt** shows on the display.
2. Press **<ENTER>**.

Load Factory Defaults

To load the factory default settings in the Gobo Shot™ 50W IRC, do the following:

1. Press **<MENU>** repeatedly until **LoAd** shows on the display.
2. Press **<ENTER>**.

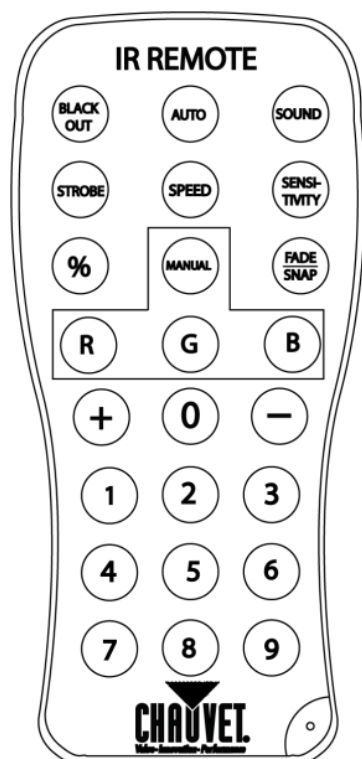
Infrared Remote Control

The Gobo Shot™ 50W IRC is compatible with the Infrared Remote Control (IRC) from CHAUVET®.

IRC Operation

Note: Make sure to point the IRC directly at the receiver.

The following IRC buttons are used with the Gobo Shot™ 50W IRC:



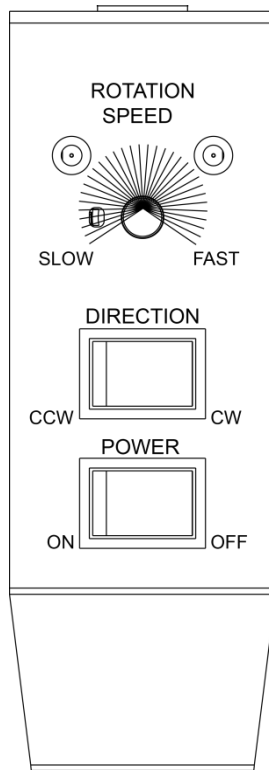
- **<BLACKOUT>** - turns LED on/off
- **<STROBE>** - strobing (0–20 Hz)
- **<SPEED>** - gobo rotation
Note: After pressing the **<SPEED>** button, **CU** shows on the display until you increase or decrease the gobo rotation speed (see below).
- **<%>** - master dimmer
- **<MANUAL>** - stops rotation
- **<FADE/SNAP>** - selects clockwise/counter-clockwise
- **<+>** (plus) - increases effect
 - to increase gobo rotation, press the **<SPEED>** button first (settings **0–255**)
 - to increase strobing, press the **<STROBE>** button first (settings **S000–S100**)
 - to increase dimming, press the **<%>** button first (settings **L000–L255**)
- **<->** (minus) - decreases effect
 - to decrease gobo rotation, press the **SPEED** button first (settings **0–255**)
 - to decrease strobing, press the **STROBE** button first (settings **S000–S100**)
 - to decrease dimming, press the **%** button first (settings **L000–L255**)
- **<0>–<9>** - preset rotation speeds **0–9** (slow to fast)



The buttons on the IRC not listed above are reserved for future use with the Gobo Shot™ 50W IRC.

Wired Remote

To operate the Gobo Shot™ 50W IRC with the included wired remote, follow the instructions below:



Plug the wired remote into the Wired Remote In port on the back of the projector, and use the remote as follows:

- To control the gobo's rotation speed, turn the ROTATION SPEED knob to the desired speed (slow to fast).
- To control the direction of the gobo's rotation, flip the DIRECTION switch to either CCW (counter-clockwise) or CW (clockwise).
- To control the power to the Gobo Shot™ 50W IRC, flip the POWER switch to either ON or OFF.



The Wired Remote In/Out ports allow one Gobo Shot™ 50W IRC to remotely control the actions of another Gobo Shot™ 50W IRC without the need of an additional wired remote. Using a standard RJ45 (network) cable, connect the projector with the wired remote from its Wired Remote Out port to the Wired Remote In port of the other projector. Gobo Shot™ 50W IRC projectors configured in this manner operate in unison.

Included Gobos

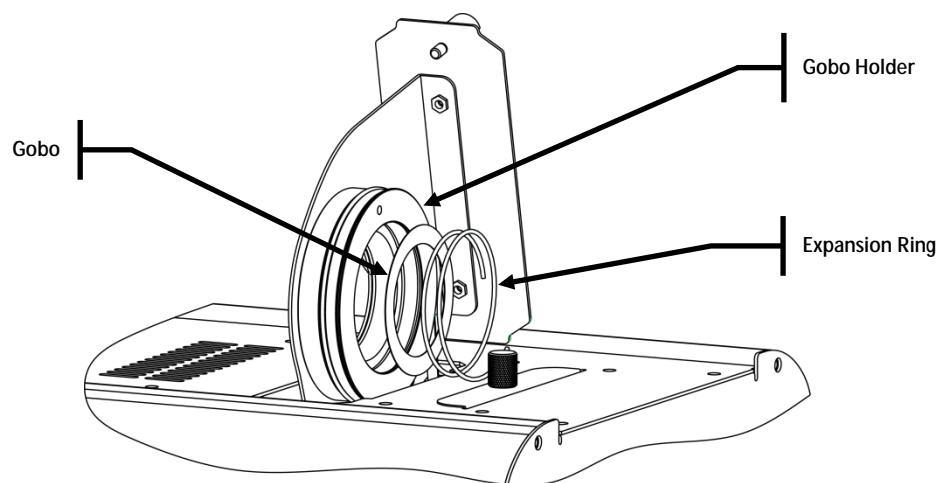


Changing Gobos

To change the gobos in the Gobo Shot™ 50W IRC, do the following:

1. Turn off and disconnect the product from power.
2. Place the product on a flat, level surface.
3. Loosen the gobo door thumbscrew and pull open the hinged gobo door.
4. 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. Close the gobo door.
7. Tighten the gobo door thumbscrew.

Gobo Replacement Diagram



5. TECHNICAL INFORMATION

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 mechanical wear. To maintain optimum performance and minimize wear, clean the product at least twice a month. However, usage and environmental conditions contribute to increased cleaning frequency.

To clean the product, follow the instructions below:

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



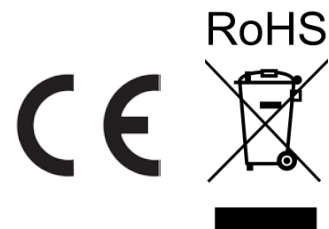
Always dry the external optics and glass/transparent surfaces carefully after cleaning them.



Do not spin the cooling fan using compressed air because you could damage it.

6. TECHNICAL SPECIFICATIONS

| | | | | |
|-----------------------|--|------------------------|---|-------------------|
| Dimensions and Weight | Length | Width | Height | Weight |
| | 12 in (306 mm) | 12.6 in (320 mm) | 10.2 in (258 mm) | 10.8 lb (5 kg) |
| | Note: Dimensions in inches rounded to the nearest decimal digit. | | | |
| Power | Power Supply Type | | Range | Voltage Selection |
| | Switching (internal) | | 100–240 V, 50/60 Hz | Auto-ranging |
| | Parameter | | 120 V, 60 Hz | 230 V, 50 Hz |
| | Consumption | | 102 W | 109 W |
| | Operating current | | 0.8 A | 0.4 A |
| | Power linking current (units) | | 8 A (9 units) | 8 A (17 units) |
| | Fuse | | F 3 A, 250 V | F 3 A, 250 V |
| | Power I/O | | US/Worldwide | UK/Europe |
| | Power input connector | | IEC | IEC |
| | Power output connector | | Edison | IEC |
| | Power Cord plug | | Edison (US) | Local plug |
| | Light Source | Type | | Power |
| LED | | 50 W | 50,000 hours | |
| Color | | Quantity | Current | |
| White | | 1 | 2 A | |
| Photo Optic | Parameter | | | |
| | Illuminance @ 2 m | | 2937 lx | |
| | Beam angle | | 26° | |
| | Strobe rate | | 0—20 Hz | |
| | Gobo size | | 53 mm outside 40 mm image 1 mm max thickness (size D) | |
| | Thermal | Maximum External Temp. | | Cooling System |
| 104 °F (40 °C) | | Fan-cooled | | |
| DMX | I/O Connectors | | Connector Type | Channel Range |
| | 3-pin XLR | | Sockets | 4 |
| Ordering | Product Name | | Item Code | UPC Number |
| | Gobo Shot™ 50W IRC | | 03050718 | 781462210663 |



To return a product or request support:

- In the U.S., contact CHAUVET® World Headquarters (see below).
- In the UK or Ireland, contact CHAUVET® Europe Ltd. (see below).
- In any other country, DO NOT contact CHAUVET®. Contact your distributor. See www.chauvetlighting.com for distributors outside the U.S., United Kingdom, or Ireland.



If you live outside the U.S., United Kingdom, or Ireland, contact your distributor of record and follow their instructions on how to return CHAUVET® products to them. Visit our website for contact details.

Returns

Call the corresponding CHAUVET® Technical Support office and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

You must send the merchandise prepaid, in its original box, and with its original packing and accessories. CHAUVET® will not issue call tags.

Clearly label the package with the RMA number. CHAUVET® will refuse any product returned without an RMA number.



Write the RMA number on a properly affixed label. DO NOT write the RMA number directly on the box.

Before sending the product, clearly write the following information on a piece of paper and place it inside the box:

- Your name
- Your address
- Your phone number
- RMA number
- A brief description of the problem

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be your responsibility. FedEx packing or double-boxing are recommended.



CHAUVET® reserves the right to use its own discretion to repair or replace returned product(s).

Contact Us

World Headquarters CHAUVET®

General Information

Address: 5200 NW 108th Avenue
Sunrise, FL 33351
Voice: (954) 577-4455
Fax: (954) 929-5560
Toll free: (800) 762-1084

Technical Support

Voice: (954) 577-4455 (Press 4)
Fax: (954) 756-8015
Email: tech@chauvetlighting.com

World Wide Web

www.chauvetlighting.com

United Kingdom & Ireland CHAUVET® Europe Ltd.

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