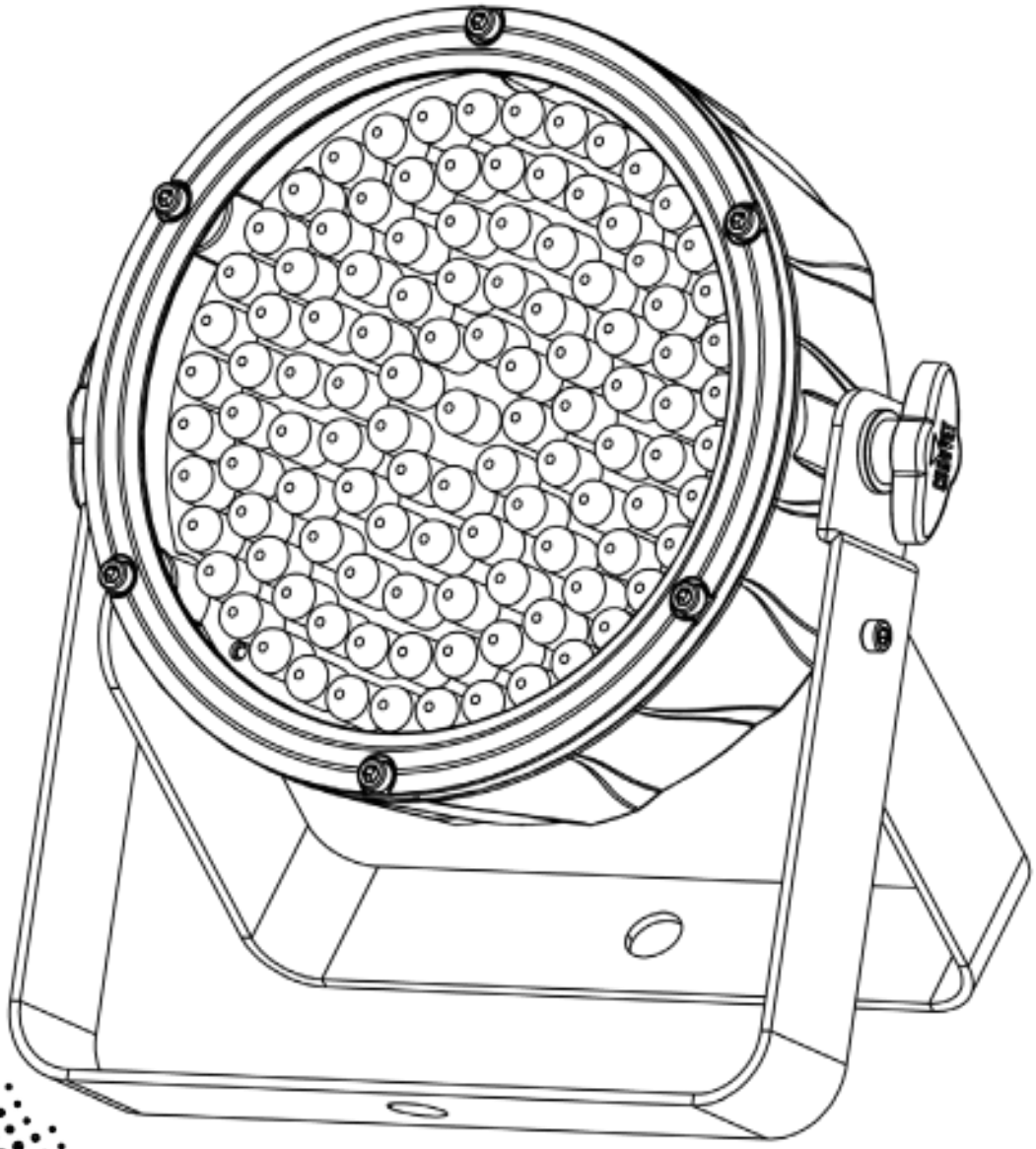
SlimPAR™ 56 IRC IP

User Manual



CHAUVET DJ®

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1. BEFORE YOU BEGIN

What Is Included

- SlimPAR™ 56 IRC IP
- DMX In Adapter
- DMX Out Adapter
- Power Cord
- Warranty Card
- Quick Reference Guide

Unpacking Instructions

Immediately upon receipt, carefully unpack the product and check the container to make sure you have received all the parts indicated above in good condition.

Claims

If the box or contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, upon receipt notify the carrier immediately, not Chauvet. Failure to do so in a timely manner may invalidate your claim with the carrier. In addition, keep the container and all the packing material 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 receiving the merchandise.

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

Icons

Icon	Meaning
	Critical installation, configuration, or operation information. Failure to comply with this information may render the product partially or completely inoperative, cause damage to the product, or cause harm to the user.
	Important installation or configuration information. Failure to comply with this information may prevent the product from functioning correctly.
	Useful information.

Disclaimer

The information and specifications contained in this document are subject to change without notice. Chauvet assumes no responsibility or liability for any errors or omissions that may appear in this manual. Chauvet reserves the right to update the existing document or to create a new document to correct any errors or omissions.

You can download the latest version of this document from www.chauvetlighting.com.

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Author	Date	Editor	Date
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Product at a Glance

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

Safety Notes

Please read the following Safety Notes carefully before working with the product. The Notes include important safety information about installation, usage, and maintenance.



- Always connect the product to a GFI (ground fault interrupter) circuit to avoid the risk of electrocution.
- To eliminate wear and improve its lifespan, during periods of non-use completely disconnect from power via breaker or by unplugging it.
- Always disconnect the product from the power source before cleaning.
- 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 cord 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.



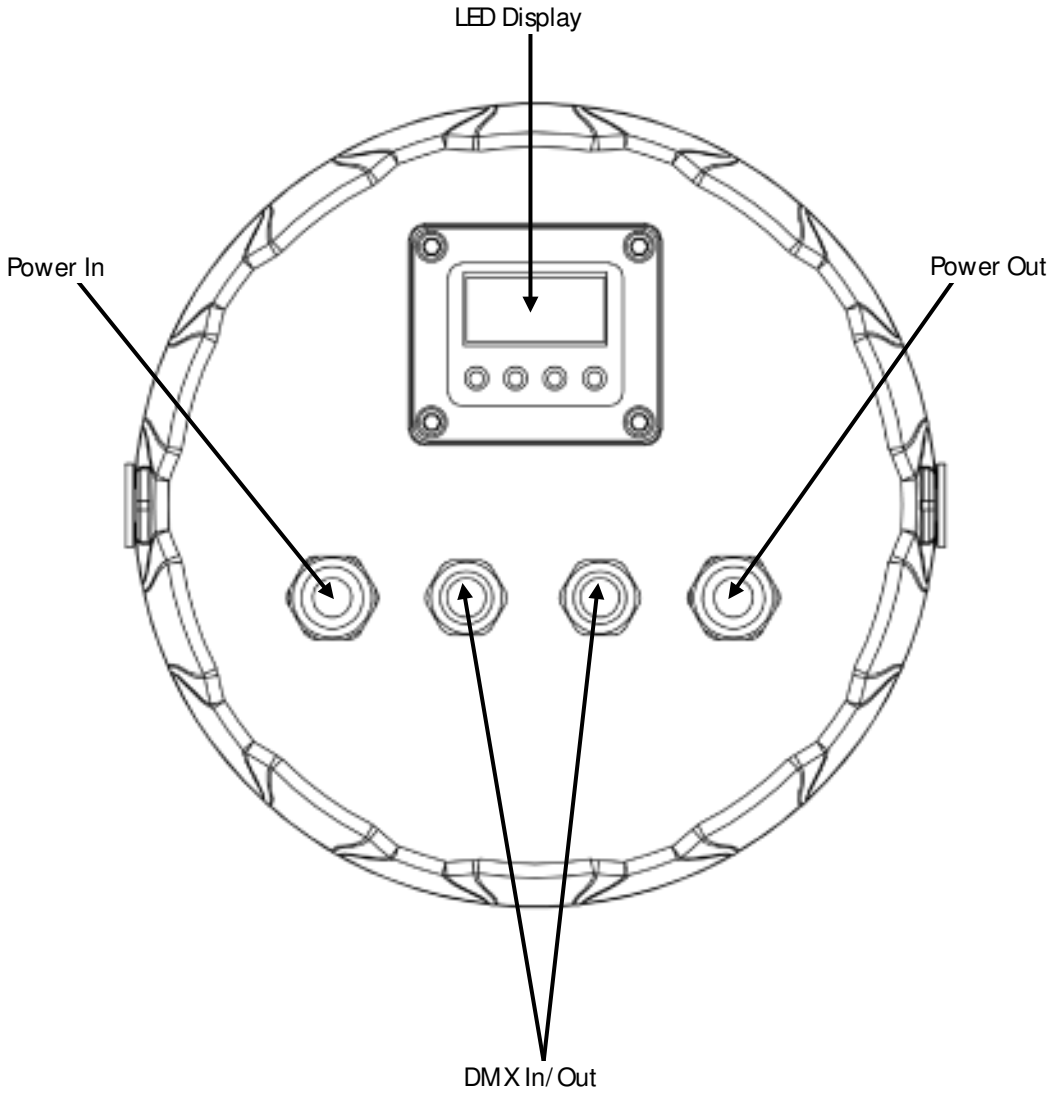
- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.
- This product is for indoor or temporary outdoor use (**IP65**). Do not expose to harsh or excessively corrosive environmental conditions (whether indoors or outdoors), including, but not limited to, extreme temperatures, humidity, atmospheric conditions (including salinity or pressure), radiation (UV, infrared or nuclear), shock and conditions which exceed the product's Ingress Protection ("IP") rating. Do not submerge this product.
- Always install the product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Never connect the product to a dimmer.
- Never carry the product from the power cord or any moving part. Always use the hanging/mounting bracket or the handles.
- 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. Please contact the nearest authorized technical assistance center.



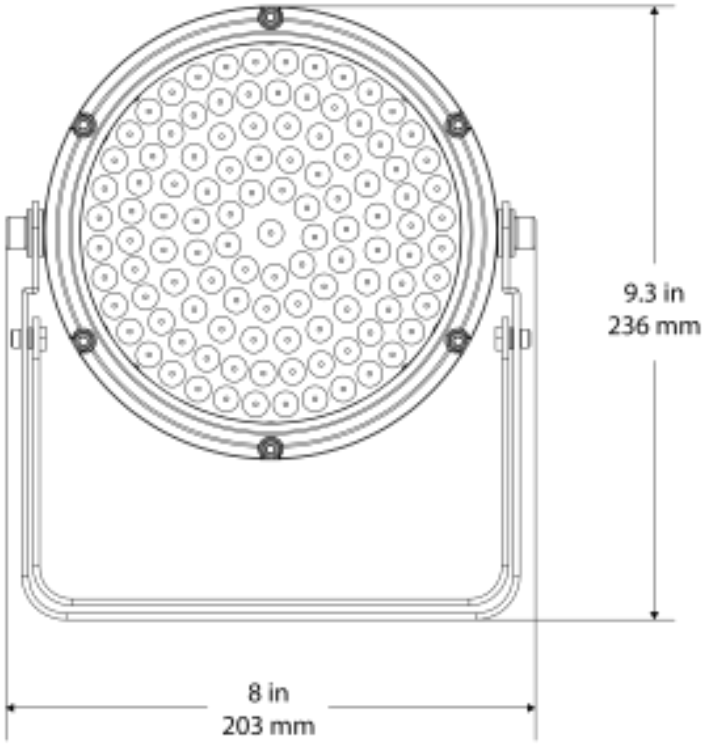
Keep this User Manual for future consultation. If you sell the product to another user, be sure that they also receive this document.

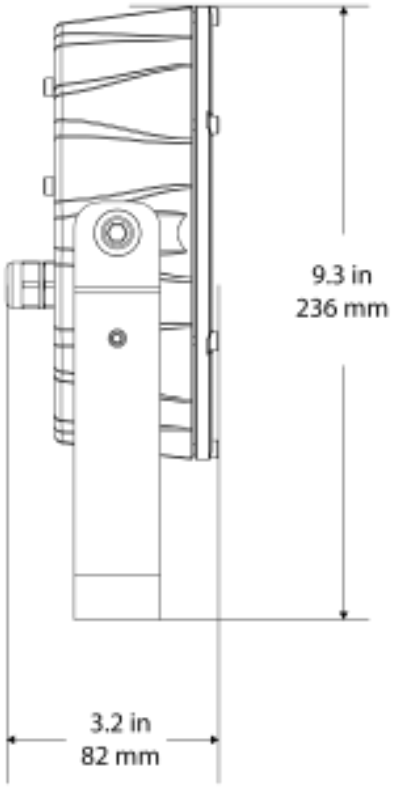
2. INTRODUCTION

Product Overview



Product Dimensions





3. SETUP

AC Power

The SlimPAR™ 56 IRC IP 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 GFI protected circuit (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate wear and improve its lifespan, during periods of non-use completely disconnect from power via breaker or by unplugging it.**



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.

Power Linking

The product provides a power linking option via the pigtails located on the back of the unit.

You can daisy chain up to 49 units on 120 VAC or up to 80 units on 230 VAC.

If you choose not to use the power linking feature, be sure to use the included screw on cap to prevent any water from getting into the power cords.



The power linking information 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.

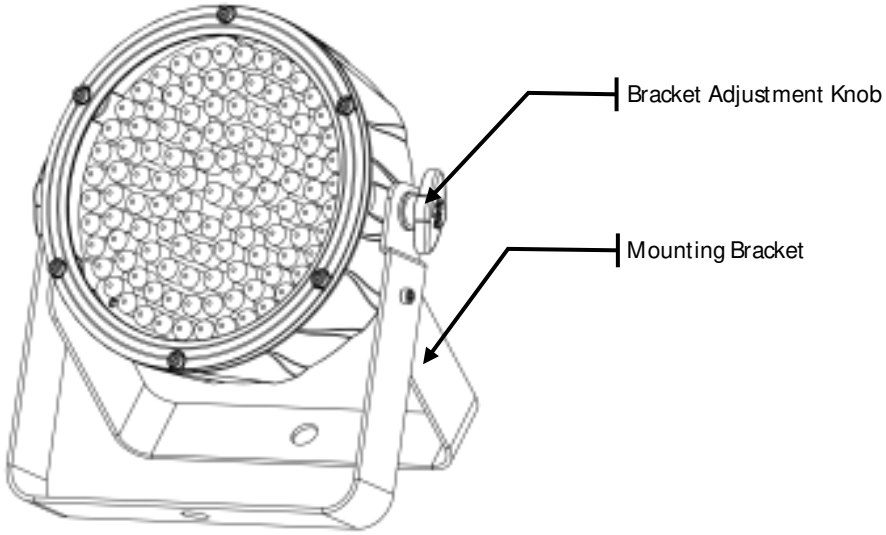
Orientation

The SlimPAR™ 56 IRC IP 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 purposes.
- Make sure that the structure onto which you are mounting the product can support the product's weight. Please see the *Technical Specifications* section of this manual for weight information.
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether 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 a 13 mm hole, which is 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 double bracket yoke also serves as floor supports. When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.
- This product is for indoor or outdoor use (IP65). Do not expose to harsh or excessively corrosive environmental conditions (whether indoors or outdoors), including, but not limited to, extreme temperatures, humidity, atmospheric conditions (including salinity or pressure), radiation (UV, infrared or nuclear), shock and conditions which exceed the product's Ingress Protection ("IP") rating. Do not submerge this product.

Mounting Diagram



4. OPERATION

Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display. Please refer to the Product Overview to see the button locations on the control panel.

Button	Function
<MENU>	Press to find an operation mode or to back out of the current menu option
<UP>	Press to scroll up the list of options or to find a higher value
<DOWN>	Press to scroll down the list of options or to find a lower value
<ENTER>	Press to activate a menu option or a selected value

Menu Map

Mode	Programming Steps			Description
DMX Personalities and Addressing	**3-CH**		**d001-d512**	Selects 3-channel DMX mode (RGB)
	7-CH		**d001-d512**	Selects 7-channel DMX mode
Static Colors	**C--**		**C1**	Red
			C2	Green
			C3	Blue
			C4	Cyan
			C5	Magenta
			C6	Yellow
			C7	White
Auto Programs	**P--**		**P1**	7 color program (switching)
			P2	7 color program (fading)
			P3	3 color program (switching)
			P4	3 color program (fading)
Auto Program Speed	**S--**		**S__1-S100**	Controls program speed for P1-P4
Custom Color Mixing	**U--**	**r--**	**r000-100**	Custom Static Colors Combine red, green, and blue
		g--		
		b--		

Configuration (DMX)

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

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

DMX Personalities and Starting Address

The SlimPAR™ 56 IRC IP has two DMX personalities, a 3-channel mode for basic control and a 7-channel mode with more advanced control over the lights.

The SlimPAR™ 56 IRC IP uses up to 7 DMX channels in its 7-channel DMX mode, which defines the highest configurable address to **506**.

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.

If you are not familiar with the DMX protocol, you may refer to the DMX Primer at www.chauvetlighting.com.

To select the DMX personality, do the following:

1. Press **<MENU>** repeatedly until **3-CH** or **7CH** shows on the display.
2. Press **<ENTER>** to choose your DMX personality when it appears on the display.

To then choose your starting address:

1. The display should show **d001** once you've selected your DMX personality using the steps above.
2. Use **<UP>** or **<DOWN>** to select the starting address.
3. Press **<ENTER>**.

DMX Channel Assignments and Values

3-CH

Channel	Function	Value		Setting
1	**Red**	000	255	0–100%
2	**Green**	000	255	0–100%
3	**Blue**	000	255	0–100%

7-CH

Channel	Function	Value		Setting
1	**Red**	000	255	0–100%
2	**Green**	000	255	0–100%
3	**Blue**	000	255	0–100%
4	**Color Macros** (overrides Ch. 1-3)	000	015	No function
		016	255	Color Macros
5	**Speed** (when Ch. 6 is within 032–223)	000	255	0–100%
	Strobe	000	015	No function
		016	255	Slow to fast
6	**Mode**	000	031	RGB Mode
		032	063	Pulse effect 0–100%
		064	095	Pulse effect 100–0%
		096	127	Pulse effect 100–0–100%
		128	159	Auto fade transition
		160	191	Auto snap transition (3 colors)
		192	255	Auto snap transition (7 colors)
7	**Dimmer**	000	255	0–100%

Configuration (Standalone)

Set the product in one of the standalone modes to control without a DMX controller.

1. Connect the product to a suitable power outlet.
2. Turn the product on.



Never connect a product that is operating in any 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.

Static Color Mode

To enable the Static Color Mode, do the following:

1. Press **<MENU>** repeatedly until **C--** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to choose a color (**C1-C7**).
4. Press **<ENTER>**.

Automatic Mode

To enable the Automatic Mode, follow the instructions below:

1. Press **<MENU>** repeatedly until **P--** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to choose your auto program (**P1-P4**).
4. Press **<ENTER>**.

You can adjust the speed of the automatic program as well.

1. Press **<MENU>** repeatedly until **S--** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to adjust the duration of each step of the automatic program from **S001** (slow) to **S100** (fast).
4. Press **<ENTER>**.

Custom Static Color Mode

To enable the Custom Static Color Mode:

1. Press **<MENU>** repeatedly until **U--** shows on the display.
2. Press **<ENTER>** to choose between colors (**r--**, **g--**, **b--**).
3. Press **<UP>** or **<DOWN>** to choose the intensity of the color (**r000-100**).
4. Repeat the steps to mix additional colors to create the color you need.
5. Press **<ENTER>**.

Master/Slave Mode

The Master/Slave mode allows a single SlimPAR™ 56 IRC IP unit (the “master”) to control the actions of one or more SlimPAR™ 56 IRC IP units (the “slaves”) without the need of a DMX controller. Once set and connected, the slave units will operate in unison with the master unit.

Slave units:

1. Press **<MENU>** repeatedly until **3-CH** or **7-CH** shows on the display. The slave unit will operate regardless of DMX personality.
2. Press **<ENTER>** to accept.
3. Set the DMX address to **001**.
4. Connect the DMX input of the first slave unit to the DMX output of the master unit.
5. Connect the DMX input of the subsequent slave units to the DMX output of the previous slave unit.
6. Finish setting and connecting all the slave units.

Master unit:

1. Set the master unit to operate in Static Color Mode, Automatic or Custom Static Color mode.
2. Make the master unit the first unit in the daisy chain.

- **Configure all the slave units before connecting the master to the daisy chain.**
- **Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master unit.**
- **Do not connect more than 31 slave units to the master unit.**

IRC-6 (Infrared Remote Control) Operation

Note: Make sure to point the IRC-6 directly at the receiver on the product.



Automatic Mode

Automatic Mode will enable you to run the automatic programs on the product.

To turn on Automatic Mode:

1. Press **<AUTO>** on the IRC-6.
2. Press **<+>** or **<–>** to choose between the different auto programs.

To adjust the speed of the automatic program:

1. Press **<SPEED>** on the IRC-6.
2. Press **<%>**.
3. Press **<+>** or **<–>** to either increase or decrease the speed of the program.

Sound-Active Mode (if available)

Sound Active Mode will enable the product to respond to the music.

To turn on Sound Active mode:

1. Press **<SOUND>** on the IRC-6.

To adjust sound sensitivity in Sound Active mode:

1. Press **<SENSITIVITY>** on the IRC-6.
2. Press **<%>**.
3. Press **<+>** or **<–>** to either increase or decrease sound sensitivity.

Manual Color Control

To choose a specific color with the IRC-6:

1. Press **<MANUAL>** on the IRC-6.
2. Press any number between **<0>** – **<9>** to choose your color.

To manually control the RGB percentage:

1. Press **<MANUAL>** on the IRC-6.
2. Press **<R>**, **<G>**, or **<B>** to choose your color.
3. Press **<+>** or **<–>** to increase or decrease the percentage of each color.

Miscellaneous Operation

To adjust the strobe rate of the program:

1. Press **<STROBE>** on the IRC-6.
2. Press **<+>** or **<–>** to increase or decrease the strobe rate.
3. Press **<STROBE>** again to turn off the strobe.

To change the switching effect of the program:

Press **<FADE>** on the IRC-6.

Fade will slowly switch the effect. Snap will rapidly switch the effect.

To black out the lights:

Press **<BLACK OUT>** on the IRC-6.

This will 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 remote does not respond when a button is pressed, try pressing **<BLACK OUT>**. You may have inadvertently activated **<BLACK OUT>**.

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. To maintain optimum performance and minimize wear, you should clean your 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 external optics and glass/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 external optics or glass/transparent surface.
7. 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.

6. TECHNICAL SPECIFICATIONS

Dimensions and Weight

Length	Width	Height	Weight
9.3 in (236 mm)	8 in (203 mm)	3.2 in (82 mm)	4.1 lb (1.9 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	19 W	21 W
Operating	0.2 A	0.1 A
Power linking current (units)	8 A (49 units)	8 A (80 units)
Fuse	N/A	N/A

Power I/O	US/Worldwide	UK/Europe
Power input connector	Proprietary	Proprietary
Power output connector	Proprietary	Proprietary
Power Cord plug	Edison (US)	Local plug

Light Source

Type		Lifespan
LED		50,000 hours

Color	Quantity	Size
Red	36	10 mm
Green	36	10 mm
Blue	36	10 mm

Photometrics

Parameter	
Illuminance @ 2 m	876 lux
Beam angle	14º
Field angle	23°

Thermal

Maximum External Temp.	Minimum Startup Temp.	Cooling System
113° F (45° C)	-4° F (-20° C)	Convection

DMX

I/O Connectors	Connector Type	Channel Range
3-pin XLR	Proprietary	3, 7

Ordering

Product Name	Item Code	UPC Number
SlimPAR™ 56 IRC IP	03030540	781462208882

CE

In case you need to get support or return a product:

- If you are located in the U.S., contact Chauvet World Headquarters.
- If you are located in the UK or Ireland, contact Chauvet Europe Ltd.
- If you are located in Mexico, contact Chauvet Mexico.
- If you are located in Benelux, contact Chauvet Europe BVBA.
- If you are located in any other country, DO NOT contact Chauvet. Instead, contact your local distributor. See www.chauvetlighting.com for distributors outside the U.S., UK, Ireland, Mexico, or Benelux.



If you are located outside the U.S., UK, Ireland, Mexico, or Benelux, contact your distributor of record and follow their instructions on how to return Chauvet products to them. Visit our website www.chauvetlighting.com for contact details.

Returns

Call the corresponding Chauvet Tech 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
- The 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. As a suggestion, proper UPS packing or double-boxing is always a safe method to use.



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

CONTACT US

WORLD HEADQUARTERS - Chauvet

General Information
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Technical Support
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Email: tech@chauvetlighting.com

World Wide Web www.chauvetlighting.com

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9770 Kruishoutem
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Technical Support
Email: Eutech@chauvetlighting.eu

World Wide Web www.chauvetlighting.eu

Outside the U.S., United Kingdom, Ireland, Mexico, or Benelux contact your dealer. Follow their instructions to request support or to return a product. Visit our website for contact details.