SlimPAR PRO Q IP

User Manual

Edition Notes

The SlimPAR Pro Q IP User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the SlimPAR Pro Q IP 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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Document Revision

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

Revision	Date	Description
2	09/2024	Updated format; added torque and vacuum measurements

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1. Before You Begin

What Is Included

- SlimPAR Pro Q IP
- Power cord
- 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
<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 SlimPAR Pro Q IP.

- ■ **ALWAYS:**
    - ♦ Connect to a grounded circuit.
    - ♦ Connect to operating voltages as specified on the product's spec sticker.
    - ♦ Disconnect from power before replacing the fuse.
    - ♦ 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.
    - ♦ Replace the fuse with the same type and rating.
    - ♦ Use a clamp with a captive bolt when a single hanging bracket is used.

- ■ 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.
    - ♦ Use if the power cable is crimped or damaged.
    - ♦ Disconnect by pulling on the power cable.
    - ♦ Allow flammable materials close to the product when it is operating.
    - ♦ Touch the housing when it is on.
    - ♦ Block any ventilation holes/slots in the housing.
    - ♦ Connect to a dimmer or rheostat.
    - ♦ Carry the product by its power cable.
    - ♦ 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.
    - ♦ Expose to corrosive environmental conditions such as temperature, humidity, salinity, pressure, radiation, or shock.
    - ♦ Set this product on a flammable surface.
    - ♦ Use for space-heating purposes.

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

2. Introduction

Product Overview
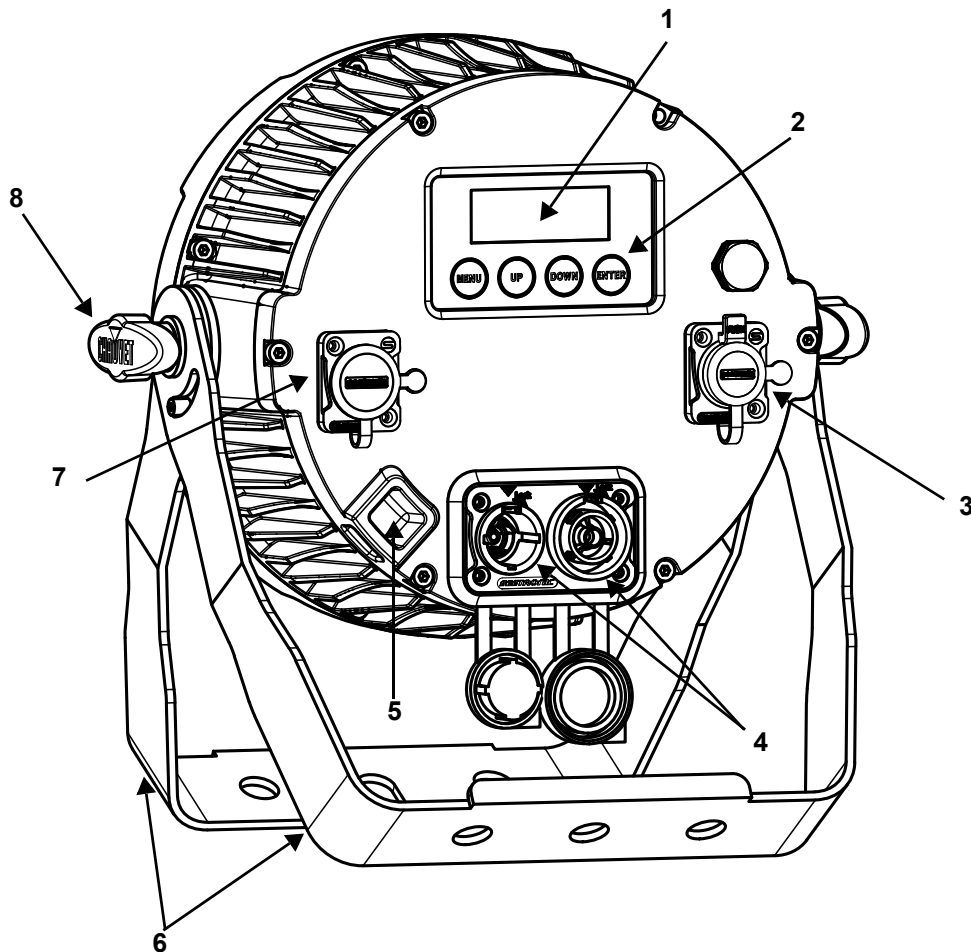
#	Name		#	Name
1	Display screen		**5**	Safety cable pass-through
2	Menu buttons		**6**	Mounting brackets
3	3-pin DMX out		**7**	3-pin DMX in
4	Power in/out		**8**	Bracket adjustment knob (2x)

Product Dimensions

11.2 in
284 mm

10.3 in
263 mm

4.2 in
108 mm

4.3 in
118 mm
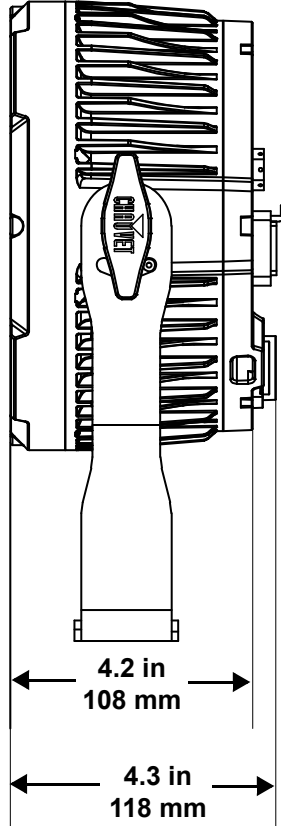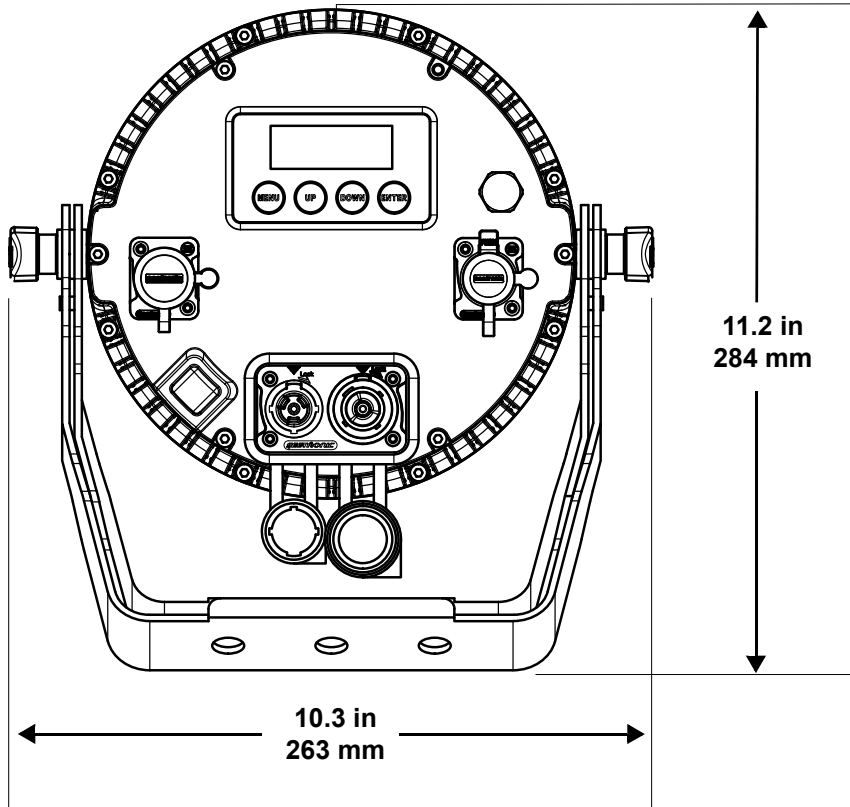
3. Setup

AC Power

The SlimPAR Pro Q IP has an auto-ranging power supply, and it can work with an input voltage range of 100 to 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 (a circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
   • **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product 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 power linking via the Seetronic Powerkon outlet located in the back of the product. Please see the diagram below for further explanation.

Power-Linking Diagram

1ˢᵗ product

3ʳᵈ product

2ⁿᵈ product

Additional SlimPAR Pro Q IP products
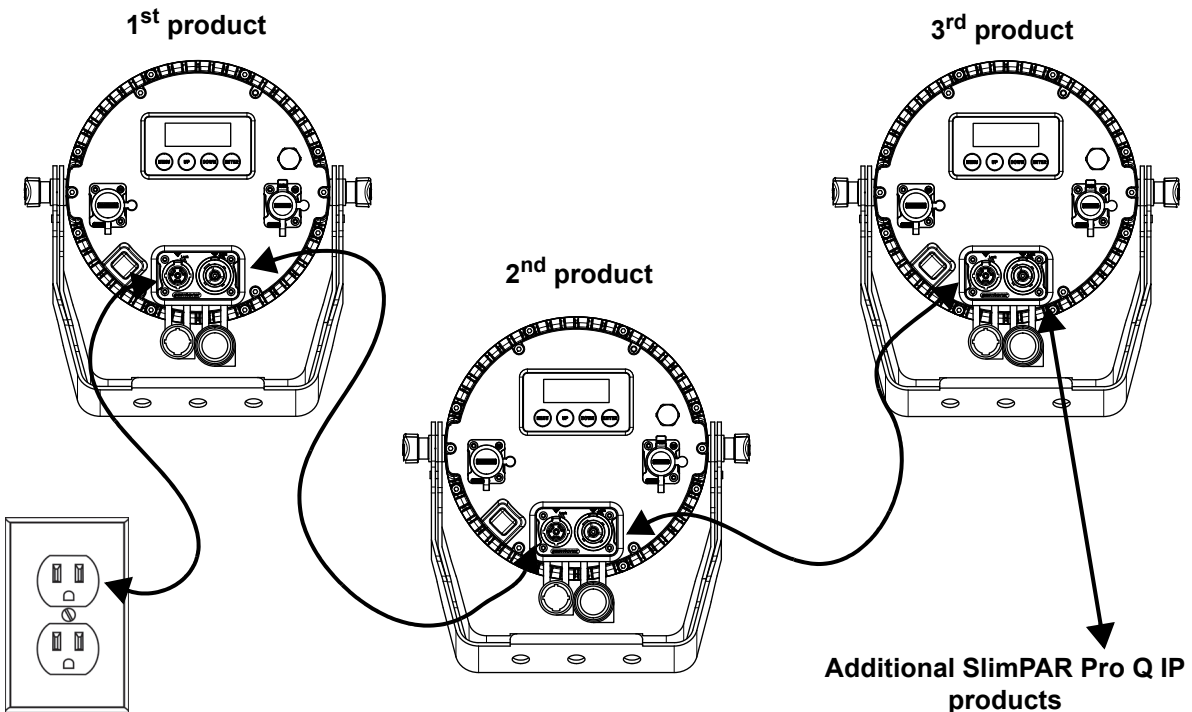
ⓘ **You can power link up to 10 SlimPAR Pro Q IP products on 120 VAC or up to 18 SlimPAR Pro Q IP products on 230 VAC.**

⚠️ **The power-linking diagram 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 <u>Safety Notes</u>.

Orientation
The SlimPAR Pro Q 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.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the <u>Technical Specifications</u> 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.
- 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 power linking multiple products, mount the products close enough for power linking cables to reach.
- When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

Mounting Diagram

Mounting clamp
(such as **CLP-15** or **CLP-15N** from Chauvet)

Mounting brackets

Safety cable
(such as **CH-05** from Chauvet)

Bracket adjustment knob
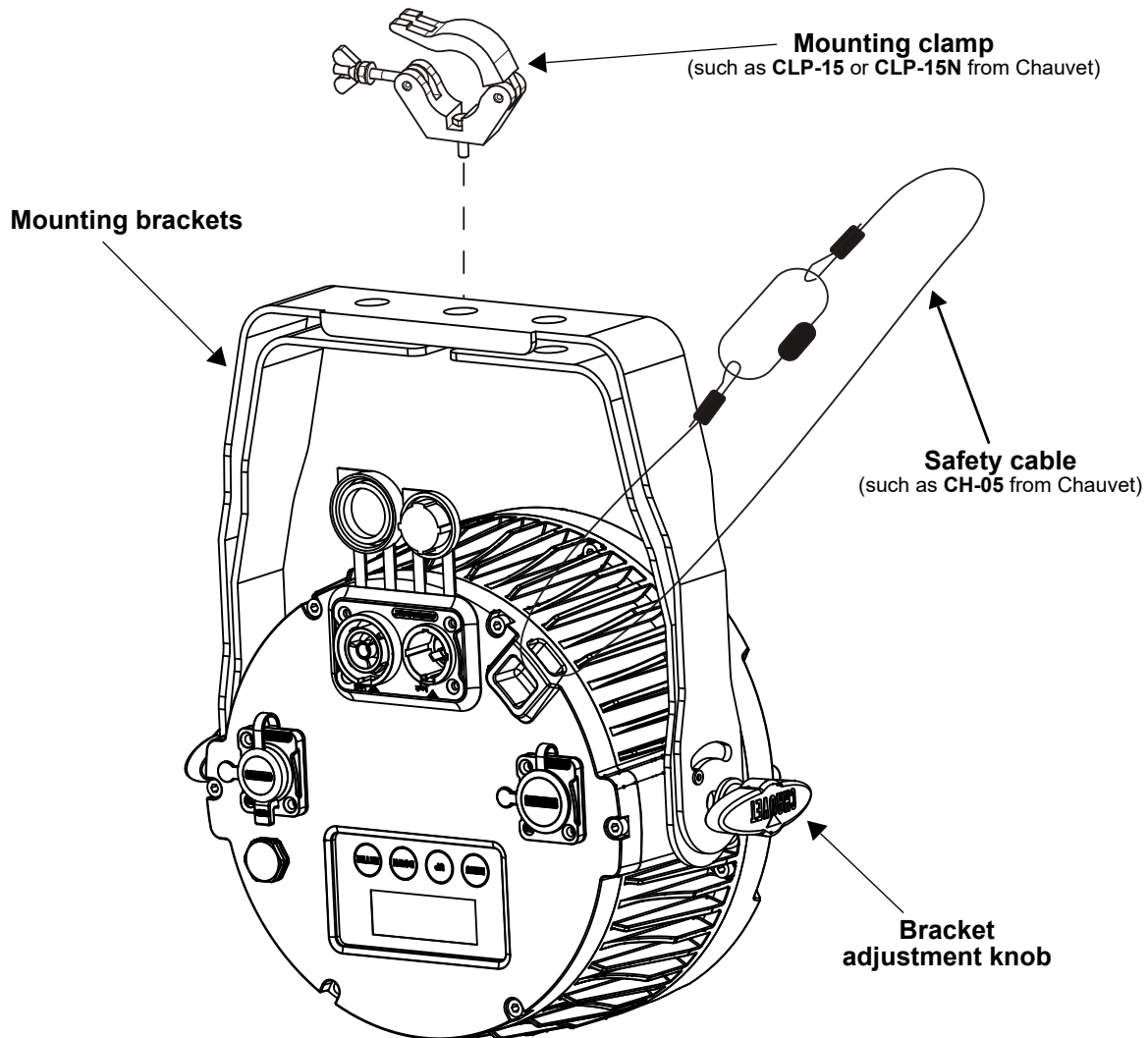
4. Operation

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

Refer to the SlimPAR Pro Q IP product page on www.chauvetdj.com for the latest software and menu map.

Mode	Programming Levels			Description
DMX Mode	**4Ch**	**d 1–508**		Sets the DMX personality
	5Ch	**d 1–506**		
	10Ch	**d 1–496**		
Static Colors	**C--**	**C 1–19**		Static PAR colors
Auto Programs	**P--**	**P 1**		4-color program (snap)
		P 2		4-color program (pulse)
		P 3		19-color program (snap)
		P 4		19-color program (fading)
Auto Speed	**S--**	**S. 1–100**		Program speed for auto programs
Custom Color Mixing	**u--**	**r. 0–255**		Custom static colors Combines red, green, blue, and amber.
		G. 0–255		
		b. 0–255		
		A. 0–255		
Dimmer Curve	**diM**	**oFF**		Sets the dimmer curve: **diM1** (fast) to **diM3** (slow), or **oFF**
		diM1		
		diM2		
		diM3		
Control Mode	**SEt**	**PASS**	**on**	Locks display Passcode: **<UP>**, **<DOWN>**, **<UP>**, **<DOWN>**, **<ENTER>**
			oFF	
		rEST	**no**	Reset to factory default
			YES	

DMX Configuration

The SlimPAR Pro Q IP works with a DMX controller. Information about DMX is in the Chauvet DMX Primer available from the Chauvet website: www.chauvetdj.com.

DMX Personality and Starting Address

When selecting a starting DMX address, always consider the number of DMX channels the DMX mode uses. If the starting address is set too high, access to some channels could be restricted. For information about the DMX protocol, download the DMX Primer from www.chauvetdj.com.

The SlimPAR Pro Q IP uses up to 10 DMX channels in a 10Ch DMX mode, which defines the highest configurable address to **503**.

To select the starting address, do the following:
1. Press **<MENU>** repeatedly until **4Ch**, **5Ch**, or **10Ch** shows on the display.
2. Press **<ENTER>** and **d 1–501** will show on the display.
3. Use **<UP>** or **<DOWN>** to select the starting address.
4. Press **<ENTER>**.

DMX Values

4CH	5CH	10CH	Function	Value	Percent/Setting
–	1	1	Dimmer	**000 ⇔ 255**	0–100%
1	2	2	Red	**000 ⇔ 255**	0–100%
2	3	3	Green	**000 ⇔ 255**	0–100%
3	4	4	Blue	**000 ⇔ 255**	0–100%
4	5	5	Amber	**000 ⇔ 255**	0-100%
–	–	6	Color macros	**000 ⇔ 010**	No function
				011 ⇔ 255	Color macros
–	–	7	Strobe	**000 ⇔ 015**	No function
				016 ⇔ 255	Strobe, slow to fast
–	–	8	Auto programs	**000 ⇔ 005**	No function
				006 ⇔ 068	Program 1, 4-color program (snap)
				069 ⇔ 131	Program 2, 4-color program (pulse)
				132 ⇔ 194	Program 3, 19-color program (snap)
				195 ⇔ 255	Program 4, 19-color program (fading)
–	–	9	Program speed	**000 ⇔ 255**	Slow to fast
–	–	10	Dimmer speed mode	**000 ⇔ 051**	Dimmer speed set from display
				052 ⇔ 101	Off
				102 ⇔ 152	diM1
				153 ⇔ 203	diM2
				204⇔ 255	diM3

Standalone Configuration

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

(i) **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.**

Automatic Programs

To run the SlimPAR Pro Q IP in 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 select an automatic program, from **P** (**1–4**).
4. Press **<ENTER>**.

Auto-Program Speed

To change the auto-program speed on the SlimPAR Pro Q IP, do the following:
1. Press **<MENU>** repeatedly until **S--** shows on the display.
2. Use **<UP>** or **<DOWN>** to increase or decrease the program speed, from (**S. 1–100**).
3. Press **<ENTER>**. The product will return to the last selected mode.

Dimmer Curve

To set the dimmer curve, follow the instructions below:
1. Press **<MENU>** repeatedly until **diM** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to set the dimmer curve, from **oFF** to **diM1–3**, with diM1 as the fastest and diM3 as the slowest.
4. Press **<ENTER>**.

Preset Color Mode

To run the SlimPAR Pro Q IP on a static color, follow the instructions below:
1. Press **<MENU>** repeatedly until **C--** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select a static color, from **C 1–19**.
4. Press **<ENTER>**.

Custom Color Mixing

To custom mix a static color, do the following:
1. Press **<MENU>** repeatedly until **u--** shows on the display.
2. Press **<ENTER>** and one of the following will show on display.
    * **r._ _ _** (red)
    * **G._ _ _** (green)
    * **b._ _ _** (blue)
    * **A._ _ _** (amber)
3. Press **<ENTER>** to cycle through the color settings.
4. When the desired color shows on the display, use **<UP>** or **<DOWN>** to increase or decrease the color value, from **000–255**.
5. Repeat steps 3 and 4 until the product outputs as desired.

Screen Lock

To lock/unlock the touchscreen on the SlimPAR Pro Q IP, do the following:
1. Press **<MENU>** repeatedly until **SEt** shows on the display. Press **<ENTER>**.
2. Use **<UP>** or **<DOWN>** to select **PASS**. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **on** (activates password protection to lock screen) or **oFF** (deactivates password protection to unlock screen).
4. Press **<ENTER>**.

✎ **Password: <UP>, <DOWN>, <UP>, <DOWN>, <ENTER>**

Factory Reset

To reset the SlimPAR Pro Q IP to default factory settings, follow the instructions below:
1. Press **<MENU>** repeatedly until **SEt** shows on the display. Press **<ENTER>**.
2. Use **<UP>** or **<DOWN>** to select **rESt**. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **YES** (resets product to factory default) or **no** (keep current settings).
4. Press **<ENTER>**.

Master/Slave Mode

The Master/Slave mode allows a single SlimPAR Pro Q IP product (the "master") to control the actions of one or more SlimPAR Pro Q IP products (the "slaves") without the need of a DMX controller. The master product will be set to operate in Standalone, whereas the slave products will be set to operate in Slave mode. Once set and connected, the slave products will operate in unison with the master product. Configure the products as indicated below.

Slave products:
1. Press **<MENU>** repeatedly until **10CH** shows on the display.
2. Press **<ENTER>**.
3. Set the DMX address to **d 1**.
4. Connect the DMX input of the first slave product to the DMX output of the master product.
5. Connect the DMX input of the subsequent slave products to the DMX output of the previous slave product.
6. Finish setting and connecting all the slave products.

Master product:
1. Press **<MENU>** repeatedly to go to the desired function or program.
2. Press **<ENTER>**.
3. Set the master product to operate in standalone.
4. Make the master product the first product in the DMX daisy chain.

- **Configure all the slave products 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.**
- **Do not connect more than 18 slaves to the master.**

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 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 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.**

Torque Measurements

To maintain the IP rating when reassembling the product, use the given torque measurements for each of the following screws and bolts:

Fixture Parts	Torque Rating (Kgf.cm)
Base screws around outside (not the feet)	22.15
Front and rear base cover	22.65
Screws around power and data ports	6.72
Allen Key screws holding in front lens cover	22.86
Allen Key screws next to heat pipes on the back	22.39

Vacuum Test Measurements

Use the IP Tester from Chauvet Professional to ensure the product has been reassembled correctly by following the information below:

Parameters	Values
Method	Positive
Test pressure	15 kPa
Test duration	60 seconds
PASS state leak pressure	<0.073 kPa

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
10.4 in (263 mm)	4.6 in (118 mm)	11.2 in (284 mm)	7.8 lb (3.5 kg)

Note: Dimensions in inches rounded to the nearest hundredth.

Power

Power Supply Type	Range	Voltage Selection
Switching (internal)	100 to 240 VAC, 50/60 Hz	Auto-ranging

Parameter	120 V, 60 Hz	230 V, 50 Hz
Consumption	76 W	75 W
Operating current	1 A	0.6 A
Breaker	3.15 A, 250 V	3.15 A, 250 V
Power-linking current (products)	11.2 A (10 products)	11.2 A (18 products)

Power I/O	U.S./Canada	Worldwide
Power input connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power output connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power cord plug	Edison (U.S.)	Local plug

Light Source

Type	Quantity	Color	Power	Current	Lifespan
LED	12	Quad-color	6 W	1.9 A	50,000 hours

Photometrics

Parameter	Value
Strobe rate	0 to 20 Hz
Beam angle	19°
Field angle	33°
Illuminance @ 2 m	4,197 lux

Thermal

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

DMX

I/O Connector	Channel Range
3-pin XLR	4, 5, or 10

Ordering

Product Name	Item Code	UPC Number
SlimPAR Pro Q IP	10031863	781462222116

RoHS

UL 1573
CSA C22.2 No. 166
E113093

MET ® c us

UKCA

CE
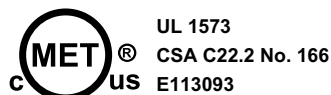
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Warranty & Returns

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.