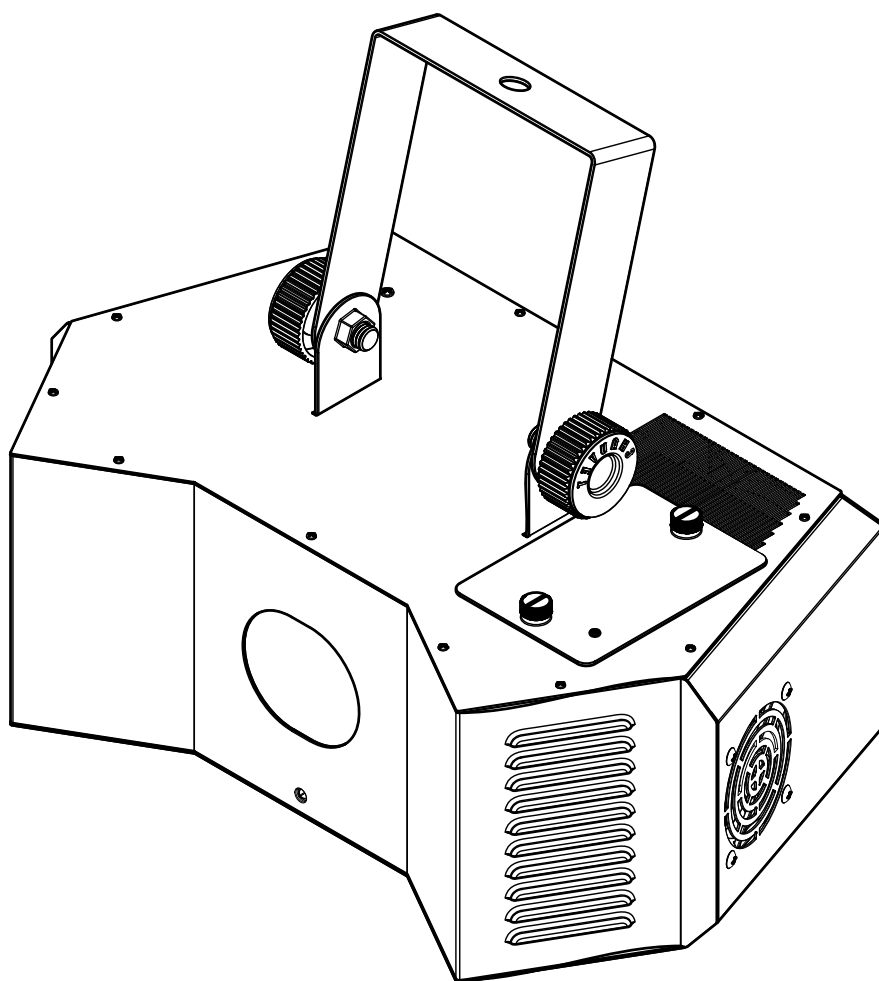


OBSESSION HP

User Manual



Edition Notes

The Obsession HP User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the Obsession HP 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.

Disclaimer

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Document Revision

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

Revision	Date	Description
3	08/2026	Updated What Is Included section

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1. Before You Begin

What Is Included

- Obsession HP
- Power cable
- 10 popular holiday 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
	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 Obsession HP.



■ **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:**

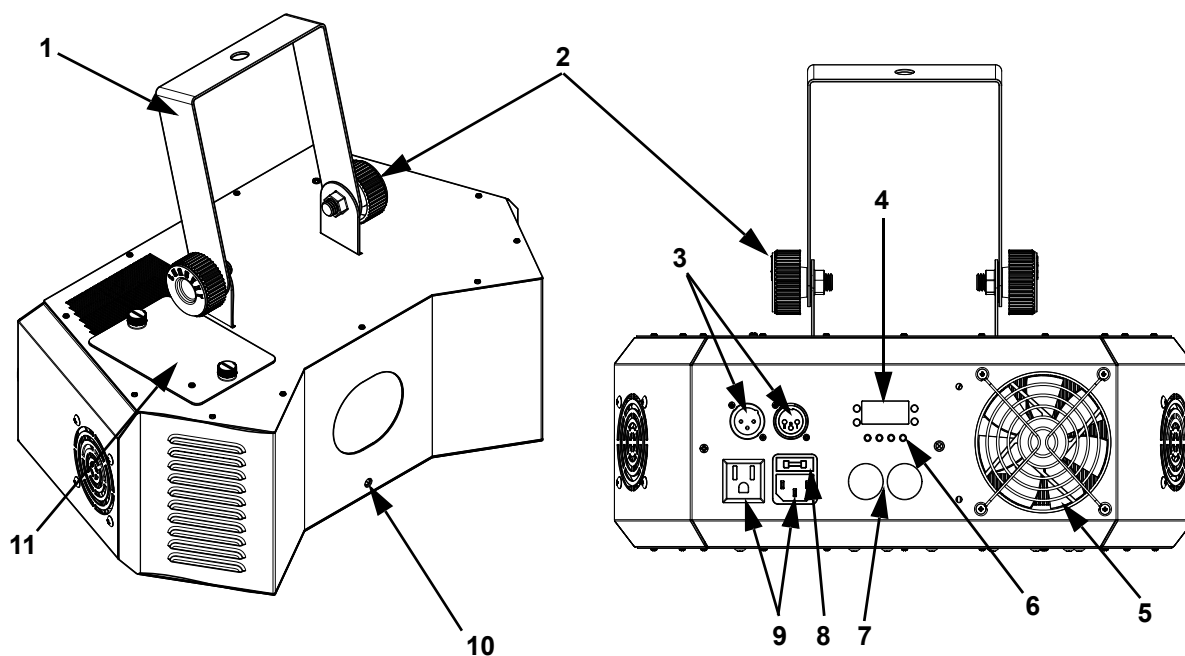
- ◆ Open this product or attempt any repairs. It contains no user-serviceable parts.
- ◆ Look at the light source when the product is on.
- ◆ Use if the power cable is crimped or damaged.
- ◆ Disconnect by pulling on the power cable.
- ◆ Allow flammable materials close to the product when it is operating.
- ◆ 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.
- ◆ 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.

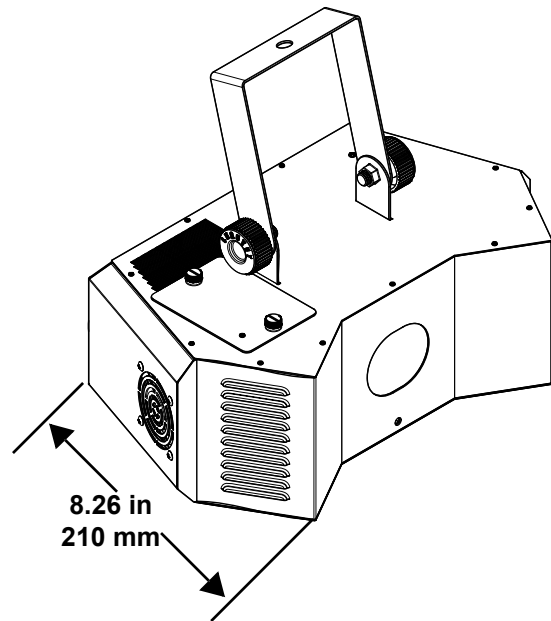
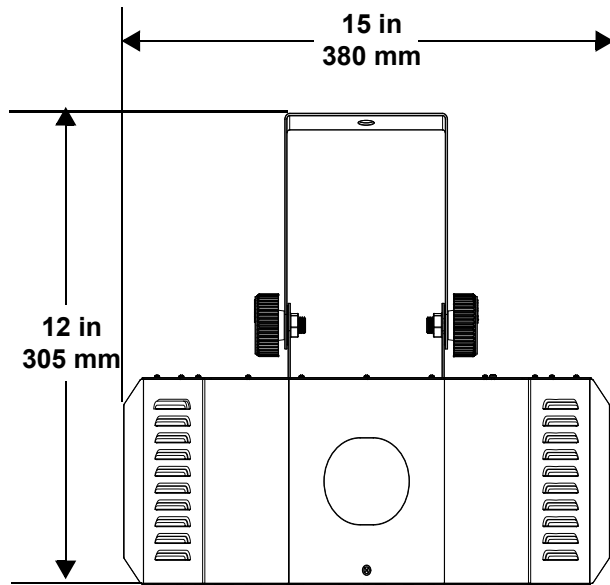
2. Introduction

Product Overview



#	Name	#	Name
1	Mounting bracket	7	Safety cable pass-through
2	Bracket adjustment knobs	8	Fuse holder
3	3-pin DMX in/out	9	Power in/out
4	Display screen	10	IR sensor
5	Fan	11	Easy-access gobo door
6	Menu buttons		

Product Dimensions



3. Setup

AC Power

The Obsession HP 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.



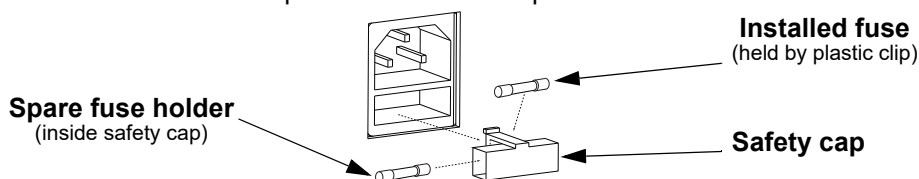
- **Always connect the product to a protected circuit (a circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product 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.

Fuse Replacement

1. Disconnect the product from power.
2. Wedge the tip of a flat-head screwdriver into the slot of the fuse holder.
3. Pry the fuse holder out of the housing.
4. Remove the blown fuse from the holder and replace with a fuse of the exact same type and rating.
5. Insert the fuse holder back in place and reconnect power.



Disconnect the product from the power outlet before replacing the fuse.

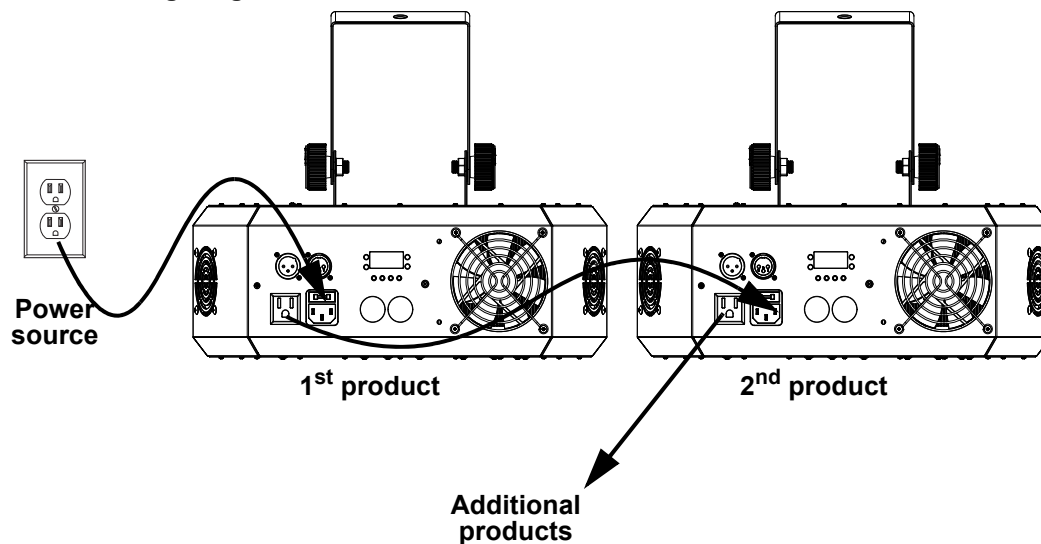


Always replace a blown fuse with one of the same type and rating.

Power Linking

This product provides power linking via the outlet located in the back of the product. See the diagram below for further explanation.

Power Linking Diagram



It is possible to link up to 3 Obsession HP products on 120 VAC or up to 6 products 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, consult with the local Chauvet distributor as power linking connectors and requirements may differ by country or region.

Mounting

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

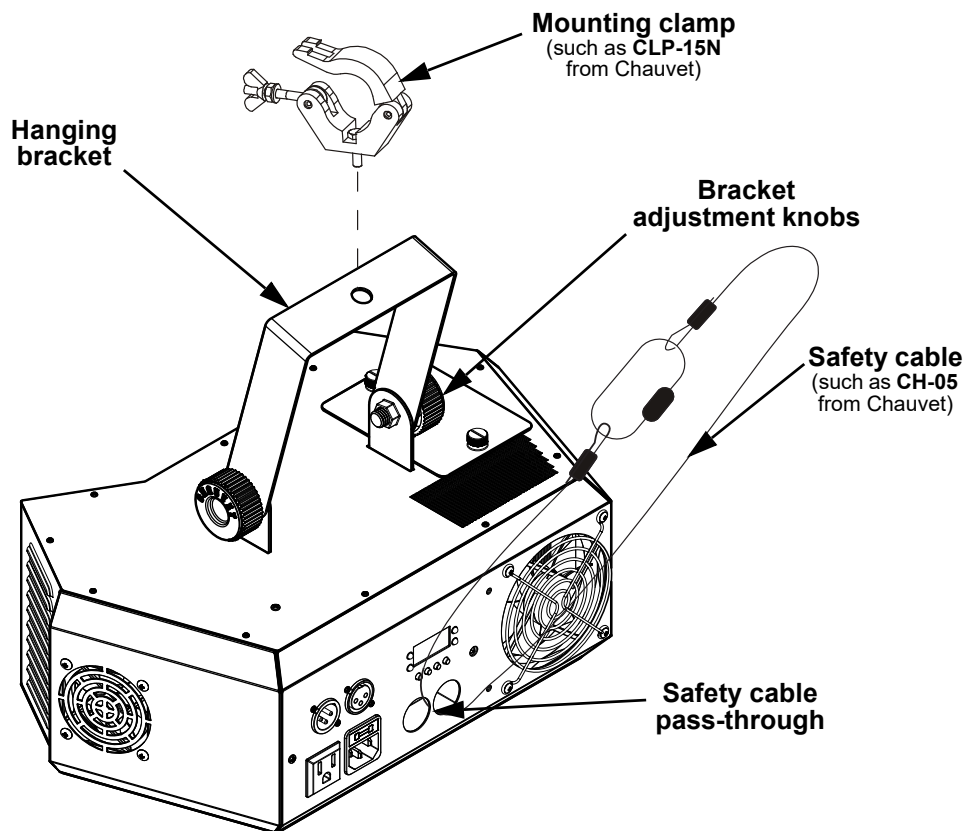
Orientation

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

Rigging

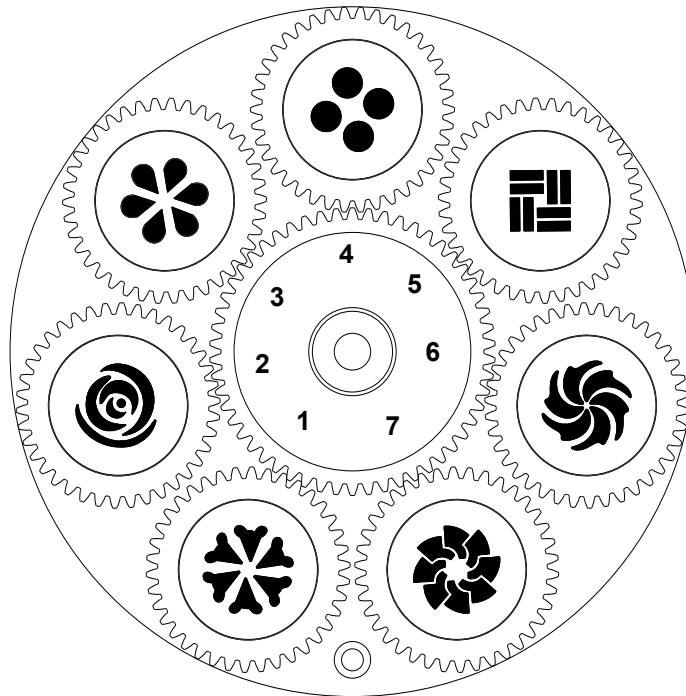
- Before deciding on a location for the product, always make sure there is easy access to the product for maintenance and programming.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the [Technical Specifications](#) section for weight information).
- 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 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



To prevent accidental loosening when using a single mounting clamp, be sure to use a clamp with a captive bolt.

Gobos



Replacing Gobos

The gobos in the Obsession HP can quickly be changed using the easy-access gobo door located on top of the fixture. To remove and replace the gobos in Obsession HP, do the following:

1. Loosen the two screws holding the easy-access gobo door. Remove it to gain access to the gobo wheel.
2. Gently pry the individual gobo holder by pushing and sliding it away from the gobo wheel. Do this with all the gobos that need to be removed.
3. To replace a gobo, carefully slide the individual gobo holder into a slot in the gobo wheel. Make sure that the two prongs in the gobo holder align with the two holes in the gobo wheel. Gently press the gobo holder into the gobo wheel until it clicks in place.
4. Replace the easy-access door and tighten the two screws to hold it in place.

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>	Exits from the current menu or function
<UP>	Navigates upwards through the menu list and increases the numeric value when in a function
<DOWN>	Navigates downwards through the menu list and decreases the numeric value when in a function
<ENTER>	Enables the currently displayed menu or sets the currently selected value into the selected function

Menu Map

Refer to the Obsession HP product page on www.chauvetdj.com for the latest menu map.

Mode	Programming Levels		Description
Address	2Ch	d001–512	Sets the DMX personality
	8Ch		
Auto programs	P--	auto	Auto programs
Auto speed	S--	001–100	Auto programs speed
Sound-active mode	Snd	BO	Blackout when no sound
		SLOW	Rotate slow when no sound
Sound sensitivity	SENV	001–100	Adjusts sound sensitivity
Infrared mode	SET	on	Turns infrared on or off
		off	
Master/Slave mode	SLV	SLV1	Copies the master unit
		SLV2	Slave unit for coordinated show
Motor	mot	000–100	Overrides mirror dish rotation speed for auto/sound only. If this is set to 000, this setting has no effect on anything. When set to 050, the mirror dish or gobo will rotate at 50% speed, and the auto or sound program speed control will adjust the colors and gobos only.
	Gobo		

DMX Configuration

The Obsession HP works with a DMX controller. Information about DMX is in the Chauvet DMX Primer, which is available from the Chauvet website

https://www.chauvetdj.com/wp-content/uploads/2016/06/DMX_Primer.pdf.

DMX Personality and 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, the access to some of the product's channels might get restricted.

The Obsession HP uses up to 8 DMX channels in an 8CH DMX mode, which defines the highest configurable address to **505**.

To select the starting address, do the following:

1. Press <MENU> repeatedly until **2Ch** or **8Ch** shows on the display.
2. Press <ENTER>, then **d001–512** will show on the display.
3. Use <UP> or <DOWN> to select the starting address.
4. Press <ENTER>.

DMX Values

2Ch	8Ch	Function	Value	Percent/Setting
1	1	Auto programs	000	No function
			001 ⇔ 127	Auto mode
			128 ⇔ 255	Sound mode
2	2	Auto speed	000 ⇔ 255	Slow to fast (activates when Channel 1 is on auto mode)
		Sound sensitivity	000 ⇔ 255	0–100% (activates when Channel 1 is on sound mode)
–	3	Dimmer	000 ⇔ 255	0–100%
–	4	Shutter	000 ⇔ 015	Open
			016 ⇔ 255	Strobe speed, slow to fast
–	5	Color wheel	001 ⇔ 009	White
			010 ⇔ 019	Red
			020 ⇔ 029	Green
			030 ⇔ 039	Blue
			040 ⇔ 049	Yellow
			050 ⇔ 059	Amber
			060 ⇔ 069	Magenta
			070 ⇔ 079	Magenta + white
			080 ⇔ 089	Magenta + amber
			090 ⇔ 099	Amber + yellow
			100 ⇔ 109	Yellow + blue
			110 ⇔ 119	Blue + green
			120 ⇔ 129	Green + red
			130 ⇔ 139	Red + white
			140 ⇔ 197	Clockwise scroll, fast to slow
			198 ⇔ 255	Counterclockwise scroll, slow to fast
–	6	Gobo wheel (see Gobos)	001 ⇔ 019	Gobo 1
			020 ⇔ 039	Gobo 2
			040 ⇔ 059	Gobo 3
			060 ⇔ 079	Gobo 4
			080 ⇔ 099	Gobo 5
			100 ⇔ 119	Gobo 6
			120 ⇔ 139	Gobo 7
			140 ⇔ 197	Gobo clockwise scroll, fast to slow
–	7	Gobo rotation	198 ⇔ 255	Gobo counterclockwise scroll, slow to fast
			001 ⇔ 042	Gobo indexing
			043 ⇔ 086	Rotate counterclockwise, slow to fast
			087 ⇔ 129	Stop
			130 ⇔ 173	Rotate clockwise, slow to fast
			174 ⇔ 217	Stop
–	8	Mirror rotation	218 ⇔ 255	Alternating clockwise-counterclockwise rotation, slow to fast
			001 ⇔ 086	Clockwise rotation, slow to fast
			087 ⇔ 129	Stop
			130 ⇔ 222	Counterclockwise rotation, slow to fast
–	8	Mirror rotation	223 ⇔ 255	Alternating clockwise-counterclockwise rotation, slow to fast

Standalone Configuration

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



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 Obsession HP in automatic mode, follow the instructions below:

1. Press **<MENU>** repeatedly to select **P--** from the menu list.
2. Press **<ENTER>**.
3. Select **<auto>**.
4. Press **<ENTER>**.

Auto-Program Speed

To change the auto-program speed on the Obsession HP, do the following:

1. Press **<MENU>** repeatedly until **S--** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to increase or decrease the program speed, from (**S 1–100**).
4. Press **<ENTER>**. The product will return to the last selected mode.

Sound-Active Mode

To run the Obsession HP in sound-active mode, do the following:

1. Press **<MENU>** repeatedly until **Snd** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select between **BO** (blackout when no sound) and **SLOW** (rotate slowly when no sound).
4. Press **<ENTER>**.



The product will only respond to low frequencies of music (bass and drums).

IRC-6 Infrared Remote Control

The Obsession HP is compatible with the IRC-6 infrared remote control from Chauvet.

To enable or disable IRC-6 functionality, do the following:

1. Press **<MENU>** repeatedly until **SEt** shows on the display.
2. Press **<ENTER>**.
3. Press **<ENTER>** to select from **on** (enable), or **oFF** (disable).
4. Press **<ENTER>**.

Consult the table below to operate the Obsession HP with the IRC-6.

IRC-6	Button	Function
	<AUTO>	Press to activate automatic mode, then use <+> or <-> to select a program
	<SPEED>	Press then use <+> or <-> to increase or decrease speed
	<SOUND>	Press to activate sound-active mode, then use <+> or <-> to select a program
	<SENSITIVITY>	Press then use <+> or <-> to increase or decrease sensitivity
	<STROBE>	Press to toggle strobe, then use <+> or <-> to increase or decrease strobe speed
	<%>	Press then use <+> or <-> to increase or decrease the dimmer
	<FADE>	Press to activate fade mode, then use <+> or <-> to select a fading program
	<MANUAL>	Press to enable manual color control
	<R>	Press then use <+> or <-> to increase or decrease the red value
	<G>	Press then use <+> or <-> to increase or decrease the green value
		Press then use <+> or <-> to increase or decrease the blue value
	<A>	Press then use <+> or <-> to increase or decrease the amber value
	<UV>	Press then use <+> or <-> to increase or decrease the UV value
	<W>	Press then use <+> or <-> to increase or decrease the white value
	<+>	Press to increase speed, sensitivity, or the dimmer/color value, or to scroll up the list of programs
	<->	Press to decrease speed, sensitivity, or the dimmer/color value, or to scroll down the list of programs
	<0>-<9>	Press to select a preset static color
	<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.



- Any setting on the IRC-6 will be saved until the system is rebooted. The system will revert to Auto Mode after reboot.
- The buttons on the IRC-6 not listed above are reserved for future use.

Master/Slave Mode

The Master/Slave mode allows a single Obsession HP product (the “master”) to control the actions of one or more Obsession HP products (the “slaves”) without the need of a DMX controller or DMX cables. The master (transmitter) product should be set to operate in either standalone mode or with the IRC-6, whereas the slave (receiver) products should 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 **SLV** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select from **SLV1** or **SLV2**.
 - Select **SLV1** for the first slave unit to copy the master unit
 - Select **SLV2** for the subsequent units
4. Press **<ENTER>**.
5. Connect the DMX input of the first slave product to the DMX output of the master product.
6. Connect the DMX input of the subsequent slave products to the DMX output of the previous slave product.
7. Finish setting and connecting all the slave products.

Master product

1. Set the master product to operate in standalone mode or with the IRC-6.
2. 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.**

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.



Do not spin the cooling fans using compressed air because they could be damaged.

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
15 in (380 mm)	8.26 in (210 mm)	12 in (305 mm)	10.2 lb (4.7 kg)

Note: Dimensions in inches rounded to the nearest decimal digit.

Power

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

Parameter	120 V, 60 Hz	230 V, 50 Hz
Consumption	176 W	171 W
Operating current	2.2 A	1.3 A
Power linking	3 units	6 units

Power I/O	U.S./Worldwide	UK/Europe
Power input connector	IEC	IEC
Power cord plug	Edison (U.S.)	Local plug

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Cool white	1	100 W	4 A	50,000 hours

Photometrics

Strobe Rate	Beam Angle
0–20Hz	116°

Thermal

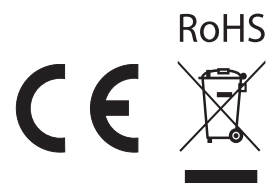
Maximum External Temperature	Cooling System
104 °F (40 °C)	Convection

DMX

I/O Connector	Channel Range
3-pin XLR	2 or 8 channels

Ordering

Product Name	Item Code	UPC Number
Obsession HP	07051800	781462221485



Contact Us

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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.