

OBSESSION HP

User Manual

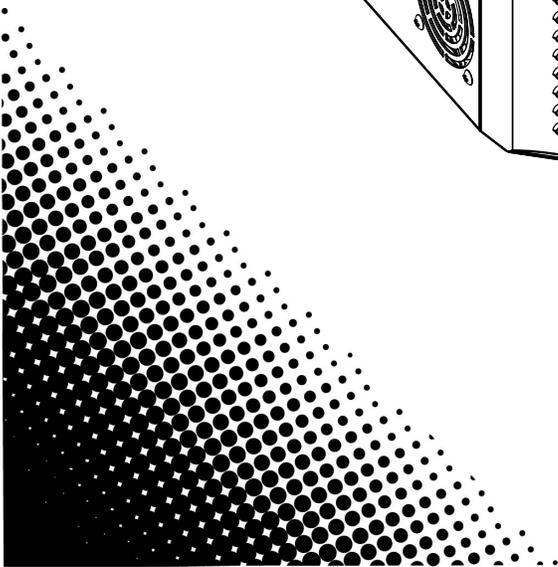
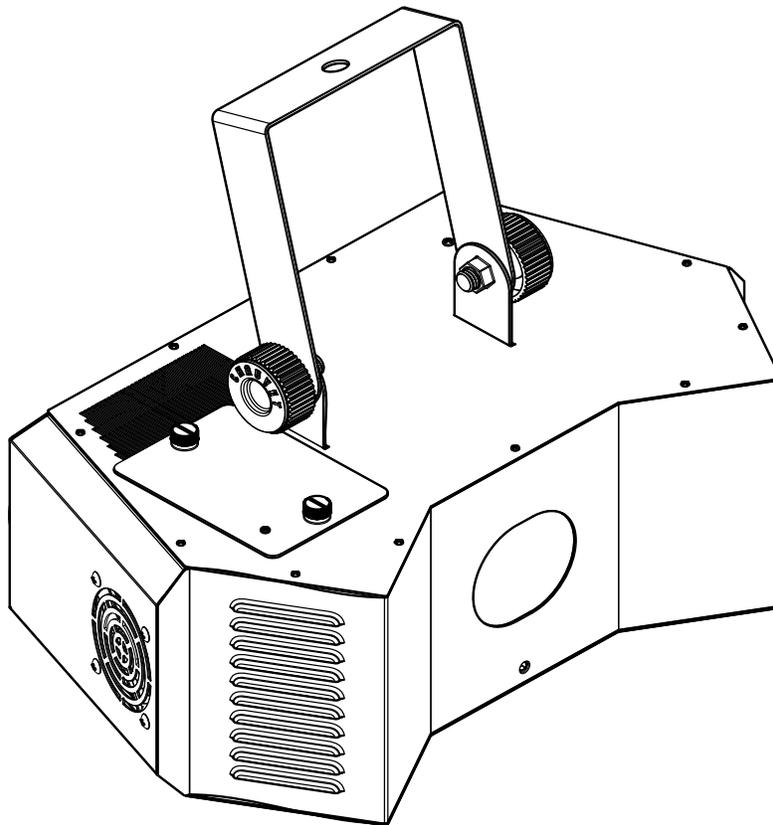


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1. Before You Begin

What Is Included

- Obsession HP
- 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.

Disclaimer

Chauvet believes that the information contained in this manual is accurate in all respects. However, Chauvet assumes no responsibility and specifically disclaims any and all liability to any party for any loss, damage or disruption caused by any errors or omissions in this document, whether such errors or omissions result from negligence, accident or any other cause. Chauvet reserves the right to revise the content of this document without any obligation to notify any person or company of such revision; however, Chauvet has no obligation to make, and does not commit to make, any such revisions. Download the latest version from www.chauvetdj.com.

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Safety Notes



- 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 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.
- Do not charge the battery of the product in a closed case or container.



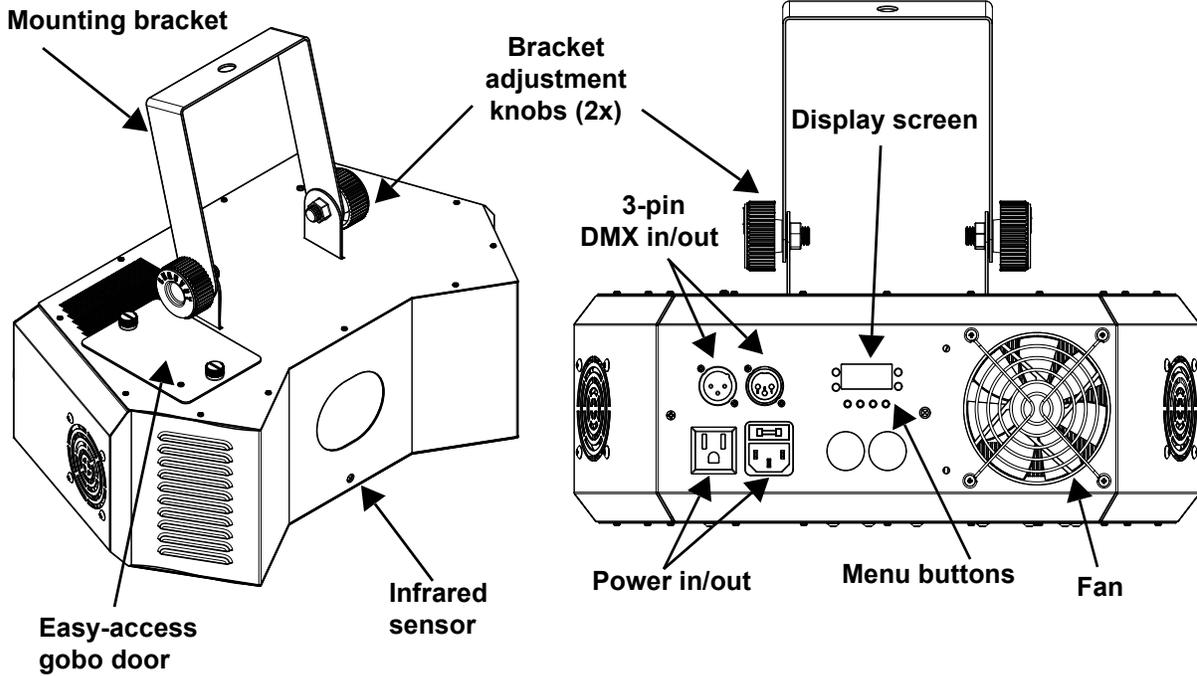
- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.
- The product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose the product to rain or moisture.
- Always install 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 (T_a) 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.
- 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.



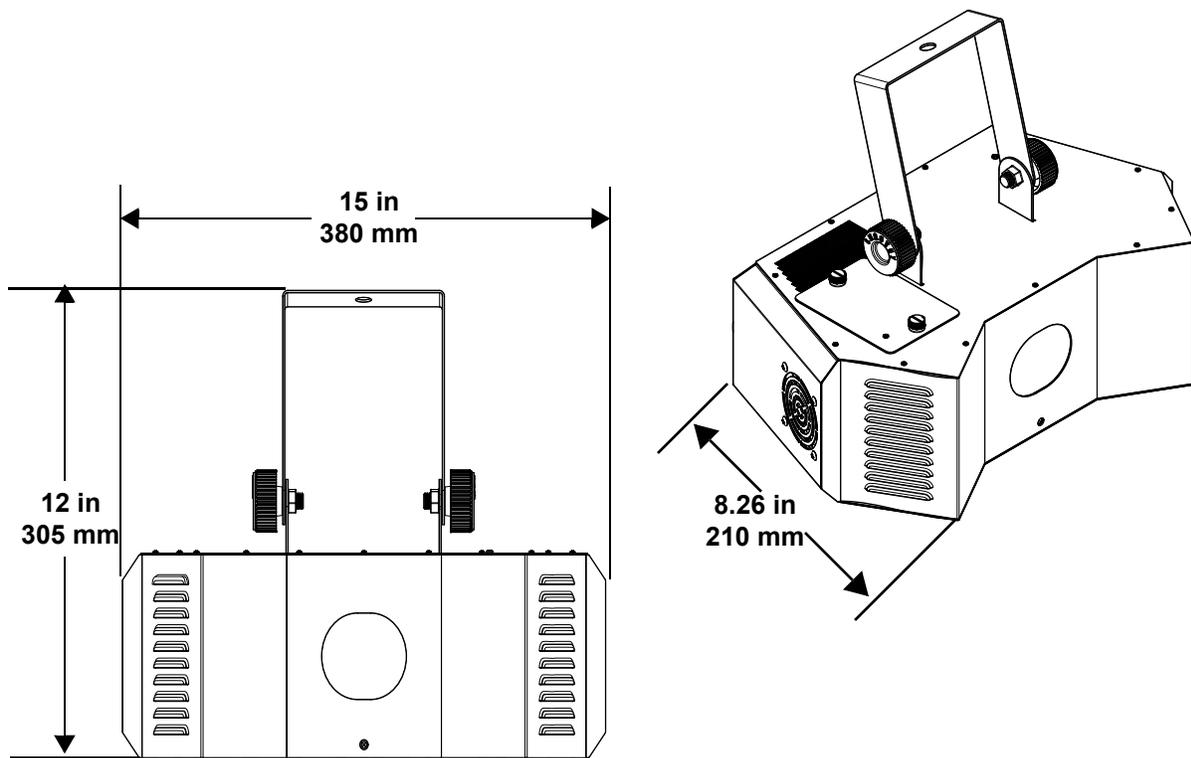
Keep this User Manual for future use. If you sell the product to someone else, be sure that they also receive this document.

2. Introduction

Product Overview



Product Dimensions



3. Setup

AC Power

This product has an auto-ranging power supply that works with an input voltage range of 100 to 240 VAC, 50/60 Hz.



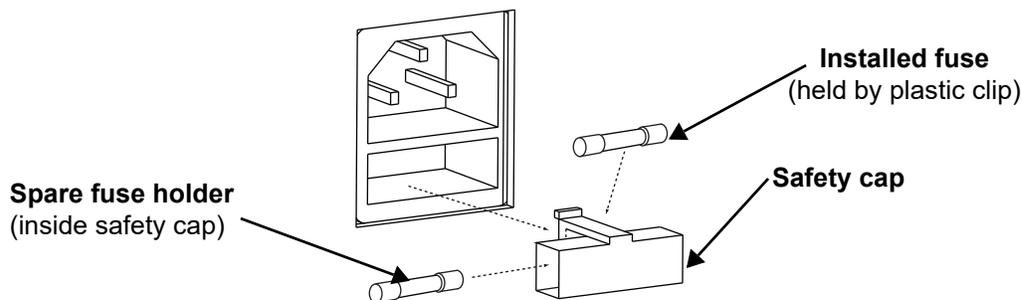
To eliminate unnecessary wear and improve its lifespan, completely disconnect the product from power via breaker or by unplugging it during periods of non-use.



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

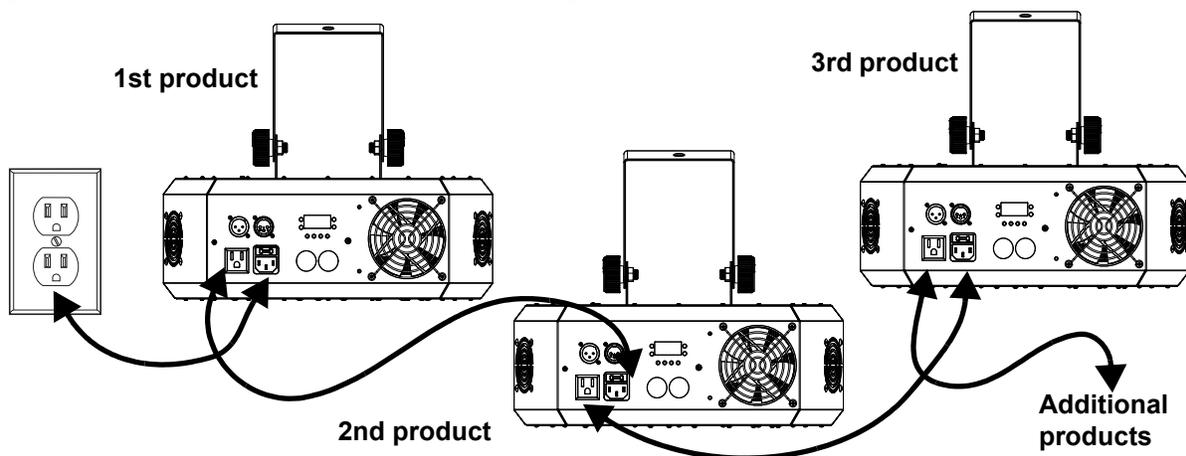
1. Disconnect the product from power.
2. Wedge the tip of a flathead screwdriver into the slot of the fuse holder.
3. Pry the safety cap out of the housing.
4. Remove the blown fuse from the clip on the front of the safety cap and replace with a fuse of the exact same type and rating.
5. Re-insert the fuse holder and reconnect power.



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

Power Linking

The product provides power linking via the Edison outlet located in the back of the product. Please see the diagram below for further explanation. Power-linking cords can be purchased separately from Chauvet.



- It is possible to link up to 3 Obsession HP products on 120 VAC or up to 6 products on 230 VAC. Never exceed this number.
- The power-linking diagram 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 in per country and region.

Mounting

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

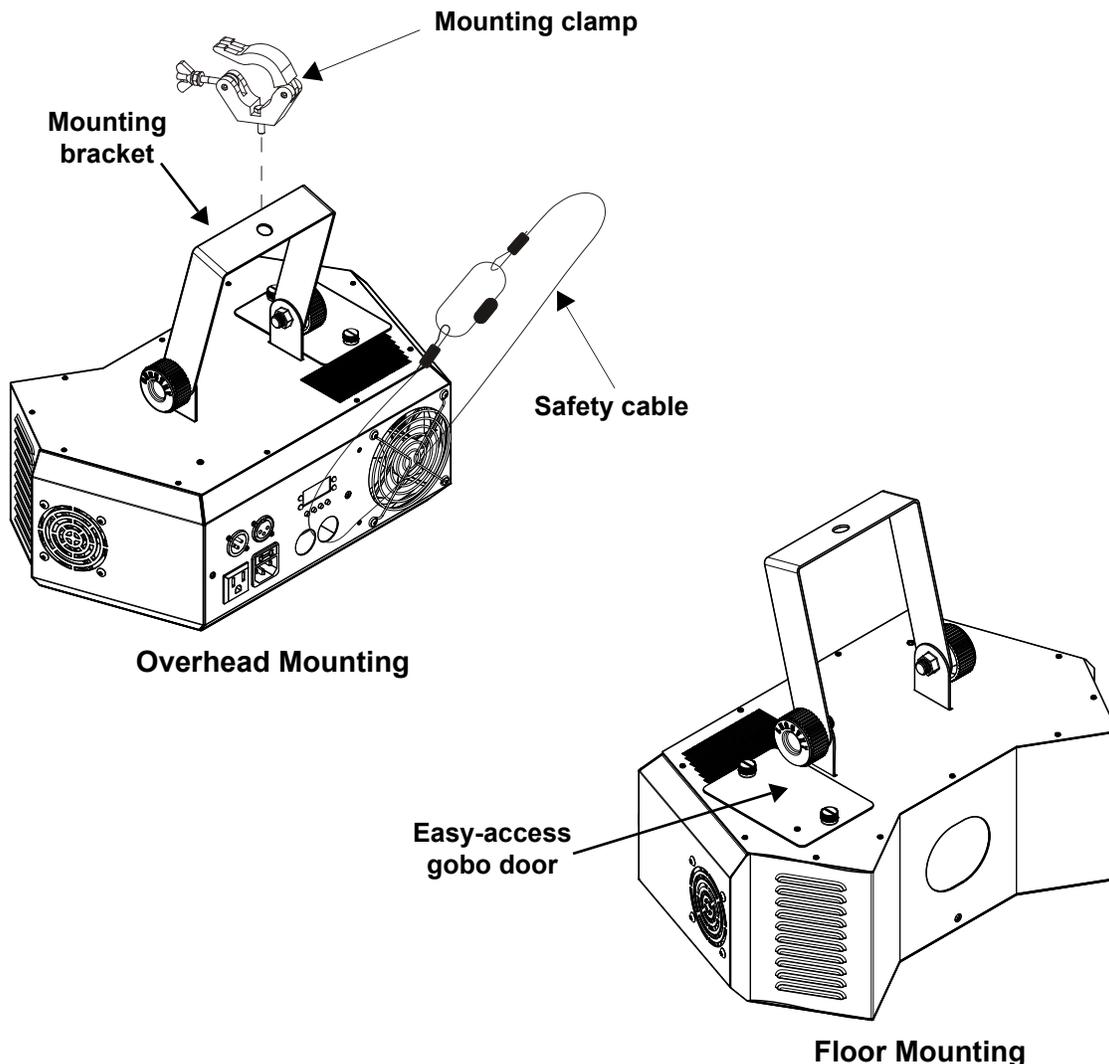
Orientation

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

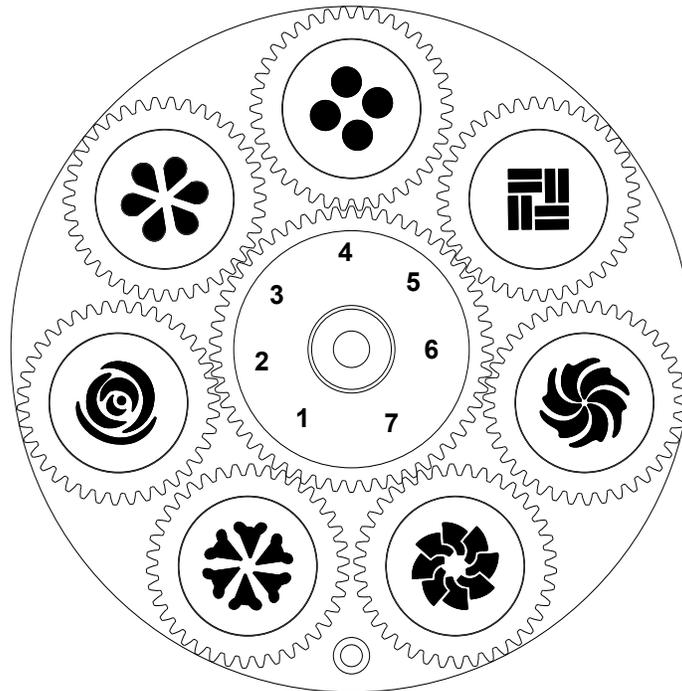
Rigging

- Before deciding on a location, always make sure there is easy access to the product for maintenance and programming purposes.
- Make sure adequate ventilation is provided around the product.
- 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, use a mounting clamp of appropriate weight capacity.
- When power linking multiple products, mount the products close enough for power-linking cables to reach.
- The bracket adjustment knob allows for directional adjustment when aiming the product to the desired angle. Only loosen or tighten the bracket knob manually. Using tools could damage the knob.

Mounting Diagram



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		

Configuration (DMX)

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.chauvetlighting.com/downloads/DMX_Primer_rev05_WO.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
			198 ⇔ 255	Gobo counterclockwise scroll, slow to fast
–	7	Gobo rotation	001 ⇔ 042	Gobo indexing
			043 ⇔ 086	Rotate counterclockwise, slow to fast
			087 ⇔ 129	Stop
			130 ⇔ 173	Rotate clockwise, slow to fast
			174 ⇔ 217	Stop
			218 ⇔ 255	Alternating clockwise-counterclockwise rotation, slow to fast
–	8	Mirror rotation	001 ⇔ 086	Clockwise rotation, slow to fast
			087 ⇔ 129	Stop
			130 ⇔ 222	Counterclockwise rotation, slow to fast
			223 ⇔ 255	Alternating clockwise-counterclockwise rotation, slow to fast

Configuration (Standalone)

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).

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.



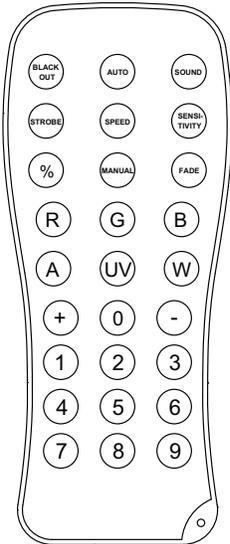
- **Configure all the slave products before connecting the master to the daisy chain.**
- **Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master.**

IRC-6 Infrared Remote Control

The Obsession HP is compatible with the IRC-6 infrared remote control from Chauvet. To activate IR mode, follow the instructions below:

1. Press **<MENU>** repeatedly until **SET** shows on the display.
2. Press **<ENTER>**.
3. Press **<UP>** or **<DOWN>** to select **on** or **off**.
4. Press **<ENTER>**.

IRC-6 Operation



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 **<+>** or **<->** to increase or decrease the speed of the auto programs.

Sound Mode

To select Sound mode:

1. Press **<SOUND>** on the IRC-6.
2. Press **<+>** or **<->** to choose between the different sound programs.

To adjust the sound sensitivity:

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

Strobe

To adjust the strobe rate:

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.

Dimmer

To adjust the total output with the IRC-6:

1. Press **<%>** on the IRC-6.
2. Press **<+>** or **<->** to increase or decrease the output level.

Black Out

To black out the lights:

1. 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. 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.

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

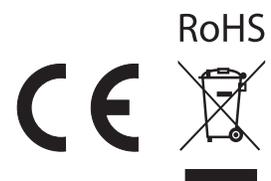
Maximum External Temperature	Cooling System
104 °F (40 °C)	Convection

DMX

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

Ordering

Product Name	Item Code	UPC Number
Obsession HP	07051800	781462221485



Returns

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



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

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.

To submit a service request online, go to www.chauvetdj.com/service-request.

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

General Information	Technical Support
World Headquarters	
Address: 5200 NW 108th Ave. Sunrise, FL 33351 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetdj.com
UK	
Address: Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: UKtech@chauvetlighting.eu Website: www.chauvetdj.eu
Benelux	
Address: Stokstraat 18 9770 Kruishoutem Belgium Voice: +32 9 388 93 97	Email: BNLtech@chauvetlighting.eu Website: www.chauvetdj.eu
France	
Address: 3, Rue Ampère 91380 Chilly-Mazarin France Voice: +33 1 78 85 33 59	Email: FRtech@chauvetlighting.fr Website: www.chauvetdj.eu
Germany	
Address: Bruno-Bürgerl-Str. 11 28759 Bremen Germany Voice: +49 421 62 60 20	Email: DEtech@chauvetlighting.de Website: www.chauvetdj.eu
Mexico	
Address: Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	Email: servicio@chauvet.com.mx Website: www.chauvetdj.mx

Visit the applicable website above to verify our contact information and instructions to request support. Outside U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact the dealer of the record.