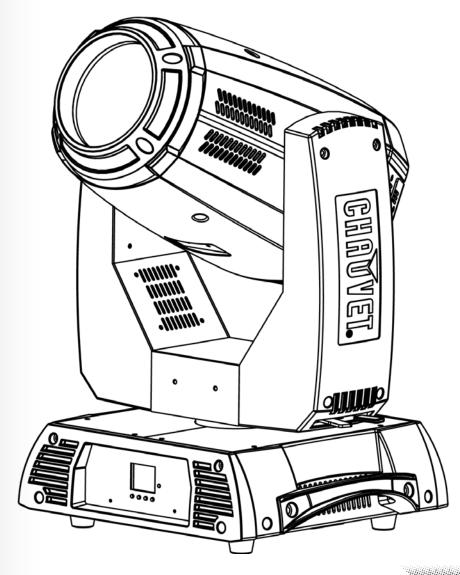




User Manual







Edition The Rogue™ RH1 Hybrid User Manual Rev. 4 covers the description, safety precautions, installation, programming, operation, and maintenance of the Rogue™ RH1 Hybrid. Chauvet **Notes** released this edition of the Roque™ RH1 Hybrid User Manual in September 2015.

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Printing

Document For better 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 your printer to scale the content accordingly.

Intended Any person in charge of installing, operating, and/or maintaining this product should completely Audience read through the guide that shipped with the product, as well as this manual, before installing. operating, or maintaining this product.

Disclaimer Chauvet believes that the information contained in this manual is accurate in all respects. However, Chauvet assumes no responsibility for any errors or omissions in this document. Chauvet reserves the right to revise and make changes to the content of this document without obligation that Chauvet notify any person or company of such revision or changes. This does not in any way constitute a commitment by Chauvet to make such changes. Chauvet may issue a revision of this manual or a new edition to incorporate such changes.

Revision

Document The Rogue™ RH1 Hybrid User Manual Rev. 4 supersedes all previous versions of this manual. Discard any older versions of this manual and replace with this version. Go to www.chauvetprofessional.com for the latest version.

Author	Date	Editor	Date
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1. BEFORE YOU BEGIN

What Is ·

- Rogue™ RH1 Hybrid
- Neutrik® powerCON® power cord Included
 - 2 Omega brackets with mounting hardware
 - Warranty Card
 - Quick Reference Guide

Claims Carefully unpack the product immediately and check the box to make sure all the parts are in the package and are in good condition.

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.

Manual **Conventions**

	•				
Convention	Meaning				
1–512	A range of values in the text				
50/60	A set of mutually exclusive values in the text				
<set></set>	A button on the product's control panel				
Settings	A product function or a menu option				
MENU>Settings	A sequence of menu options				
1–10	A range of menu values from which to choose in a menu				
Yes/No	A set of two mutually exclusive menu options in a menu				
ON	A unique value to be entered or selected in a menu				

Symbols

Symbols	Meaning
<u> </u>	Critical installation, configuration, or operation information. Failure to comply with this information may cause the product not to work, damage third-party equipment, or cause harm to the operator.
\bigcirc	Important installation or configuration information. Failure to comply with this information may keep the product from working.
	Useful information.



The term "DMX" used throughout this manual refers to the USITT DMX512-A digital data transmission protocol.



Product At A Glance

Use on Dimmer	X	Auto Programs	X
Outdoor Use	X	Auto-Ranging Power Supply	Р
Master/Slave	X	Replaceable Fuse	Р
DMX	Р	User-Serviceable	X

Safety Notes

Read all the following Safety Notes before working with this product. These notes include important information about the installation, usage, and maintenance of this product.



This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained Chauvet certified technicians. Do not open the housing or attempt any repairs.



All applicable local codes and regulations apply to proper installation of this product.

Personal Safety

- Avoid direct eye exposure to the light source while the product is on.
- Always disconnect this product from its power source before servicing.
- Always connect this product to a grounded circuit to avoid the risk of electrocution.
- Do not touch this product's housing during operation because it may be very hot.

Mounting And Rigging

- This product is for indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture. (IP20)
- CAUTION: When transferring product from extreme temperature environments, (e.g. cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow product to fully acclimate to the surrounding environment before connecting it to power.
- Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- This product weighs 55.2 lb (25.1 kg). Always ask for help when mounting this product to avoid personal injuries or damage to the product.
- · Make sure there are no flammable materials close to this product while it is operating.
- · Always carry this product by the handles. Do not carry from the head.
- When hanging this product, always secure to a fastening device using a safety cable.

Power And Wiring

- Always make sure you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- Never connect this product to a dimmer pack or rheostat.
- Never disconnect this product by pulling or tugging on the power cable.

Operation

- Do not operate this product if you see damage to the housing, lenses, ultraviolet filter, or cables. Have the damaged parts replaced by an authorized technician at once.
- 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.
- Do not cover the ventilation slots when operating to avoid internal overheating.
- Do not aim this product toward the Sun. The lenses could concentrate the solar energy and cause internal overheating.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at a higher temperature.
- In case of a serious operating problem, stop using this product immediately!



In the unlikely event that your Chauvet product may require service, contact Chauvet Technical Support.



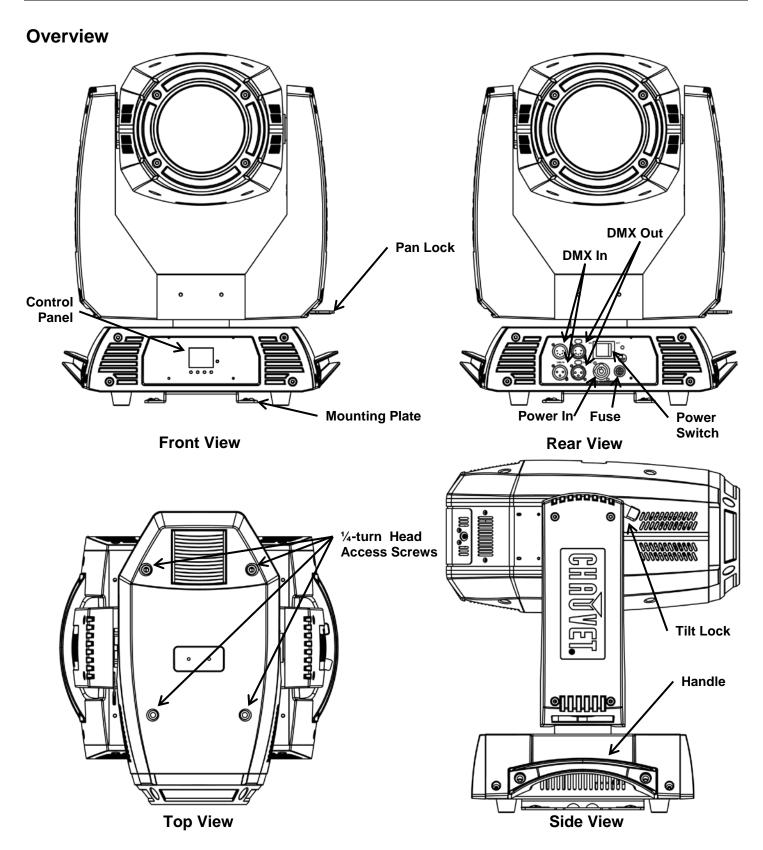
2. Introduction

Description The Rogue™ RH1 Hybrid is a compact, electronic, moving yoke beam product equipped with a 330 watt X8 lamp that delivers an ultra-intense output of 111,000 lux@ 15m with tight beam angles of 1-4.5° in Beam Mode and 5-19° in Spot Mode. This hybrid beam and spot includes an optical system with 8-facet and 6-facet prism sets that are completely layerable and controllable. This product comes with an indexing and a static scrolling gobo wheel, along with a 13-hue color

Features ·

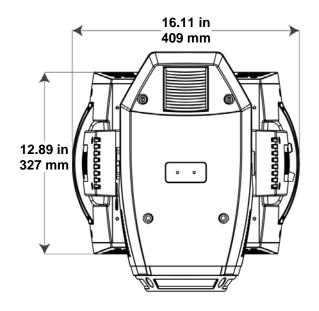
- Osram Sirius lamp, 330 W X8, 8000 K, 1,500 hours life expectancy
- 3- and 5-pin DMX input/output connections
- Fast, smooth, and precise pan and tilt operation
- 111,000 lux at 15 m in beam mode
- Omega mounting bracket, fits all Rogue™, Next™, and Legend™ fixtures
- Two prisms, 6-facet and 8-facet, independently controllable for amazing gobo effects
- Two gobo wheels, 1 rotating and 1 static wheel for dynamic projection images
- 2.5° to 8° zoom in beam mode, 5° to 19° zoom in spot mode for variable beam size options
- Quiet operation for use in any situation
- Precision optics for crisp, even gobo projections
- Variable frost for wash-style effects
- Fast, precise pan and tilt movement
- Color wheel:
 - 13 colors + Open (white)
 - CTO Split/linear colors
 - Rainbow color spin at variable speed
- Gobo wheel 1:
 - 13 gobos + Open
 - Gobo wheel spin at variable speed
- Gobo wheel 2:
 - · 9 gobos (9 glass) + Open
 - Rotating, interchangeable, indexing, slot-n-lock
 - Gobo wheel spin at variable speed
- DMX channels: 20 or 25
- Pan: 540°
- Tilt: 260°
- Neutrik® powerCON® power input

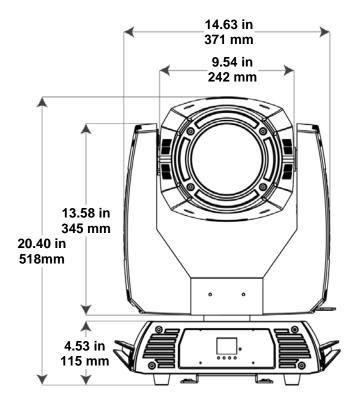


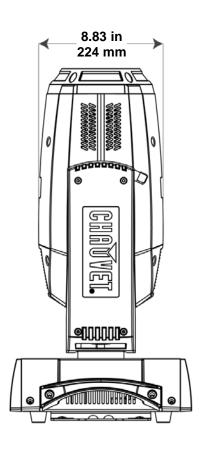


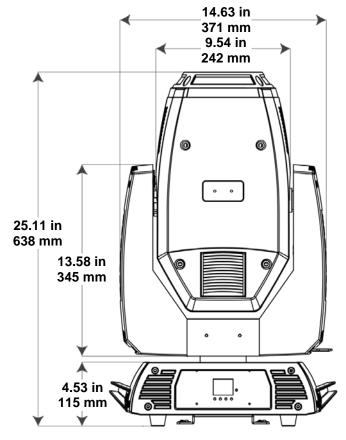


Dimensions











3. SETUP

AC Power

Each Rogue™ RH1 Hybrid has an auto-ranging power supply that works with an input voltage range of 100 to 240 VAC, 50/60 Hz. To determine the power requirements for each Roque™ RH1 Hybrid, refer to the label affixed to the product. You can also refer to the Technical Specifications chart in this manual.

The listed current rating indicates the maximum current draw during normal operation. For more information, you may download Sizing Circuit Breakers from the Chauvet website: www.chauvetprofessional.com.



- Always connect this product to a protected circuit with 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 this product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

The Roque™ RH1 Hybrid comes with a power input cord terminated with a Neutrik® powerCON® A connector on one end and an Edison plug on the other end (U.S. market). If the power input cord that came with your product has no plug, or if you need to change the Edison plug, use the table below to wire the new plug.

Connection	Wire (U.S.)	Wire (Europe)	Screw Color	
AC Live	Black	Brown	Yellow or Brass	
AC Neutral	White	Blue	Silver	
AC Ground	Green/Yellow	Green/Yellow	Green	

- Fuse 1. Disconnect this product from the power outlet.
- Replacement 2. Using a Phillips-head screwdriver, unscrew the fuse holder cap from the housing.
 - 3. Remove the blown fuse and replace with a another fuse of the same type and rating (T 10 A, 250 V).
 - 4. Screw the fuse holder cap back in place and reconnect power.



Make sure to disconnect the product's power cord before replacing a blown fuse. Always replace the blown fuse with another of the same type and rating.

DMX Linking You can link the Rogue™ RH1 Hybrid to a DMX controller using a 3- or 5-pin DMX connection. If using other DMX-compatible products with the Roque™ RH1 Hybrid, you can control each individually with a single DMX controller.

Personalities DMX personalities.

DMX The Rogue™ RH1 Hybrid uses a 3- or 5-pin DMX data connection for the 20- and 25-channel

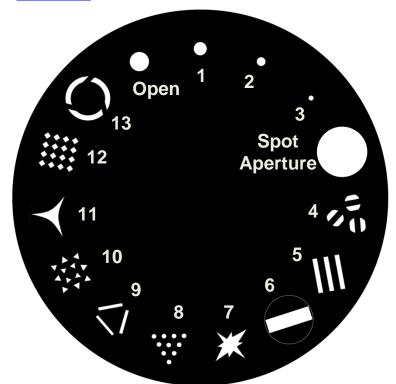
- Refer to the Introduction chapter for a brief description of each DMX personality.
- Refer to the Operation chapter to learn how to configure the Roque™ RH1 Hybrid to work in these personalities.
- The DMX Values section provides you with detailed information regarding the DMX personalities.



If you are not familiar with or need more information about DMX standards, Master/Slave connectivity, or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website: www.chauvetprofessional.com.

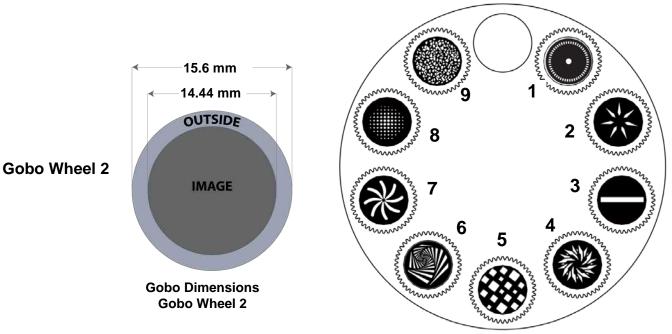


Gobo Wheel The Rogue™ RH1 Hybrid includes two gobo wheels: 13 fixed gobos plus open on wheel 1 and 9 rotating gobos plus open on wheel 2. The diagram shows the gobo number on the wheel, as numbered in the **DMX Values** tables.



Gobo Wheel 1

The gobos on gobo wheel 1 are not removable.





Replacement

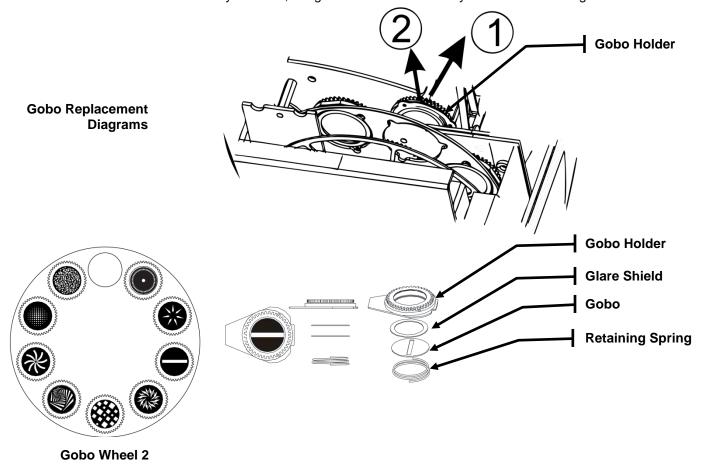
Gobo The gobos in the Rogue™ RH1 Hybrid gobo wheel 2 are removable from their gobo holders. This operation is quite simple, although it requires the technician to be careful and to follow the recommended procedure.

- Make sure to disconnect the product's power cord before replacing a gobo
- Always replace a gobo with a gobo of the same dimensions.



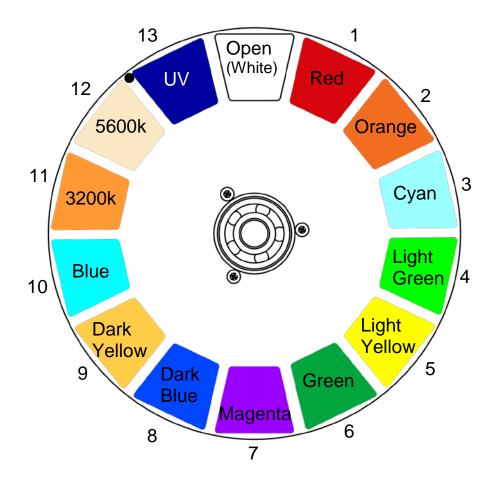
- Use only glass gobos when using custom gobos in gobo wheel 2.
- When inserting a glass gobo, always make sure that the shiny side of the gobo (glass base) faces the lamp. This provides a layer of protection against the high temperature from the lamp.

- **Procedure** 1. Turn the product off and disconnect it from the power outlet.
 - 2. Open the head cover by loosening the 4 Phillips-head 1/4-turn screws on the sides of the top
 - 3. Separate the gobo holder away from the gobo wheel by pushing it toward the front of the moving head (direction 1 in the diagram). Be careful not to push the gobo out of the gobo
 - 4. Extract the gobo holder by pulling it outward (direction 2 in the diagram).
 - 5. On a flat surface, remove the expansion ring that holds the gobo in place and remove the gobo from the gobo holder.
 - 6. Insert a new gobo and hold it in place with the expansion ring.
 - 7. Slide the tip of the gobo holder under the pressure plate near the center of the gobo wheel.
 - 8. Push the gobo holder inwards. DO NOT force the gobo holder into the gobo wheel slot. If correctly installed, the gobo holder should easily slide itself into the gobo wheel slot.





Color Wheel The Rogue™ RH1 Hybrid includes one color wheel with 13 fixed colors plus open (white), as indicated below. The diagram shows the color number on the wheel, as numbered in the **DMX Values** tables.





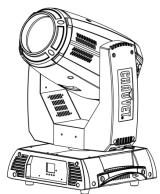
Lamp The Rogue™ RH1 Hybrid is equipped with an Osram Sirius 330W X8 lamp. Follow the Replacement procedure below to safely change the lamp.



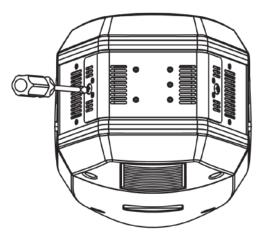
Disconnect the product from power before opening.

Procedure

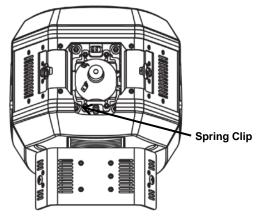
1. Turn the product off and disconnect it from power. Wait at least 15 minutes for the lamp to cool down.



2. Remove back cover using the 2 Phillips-head ¼-turn screws on the rear panel of the head.



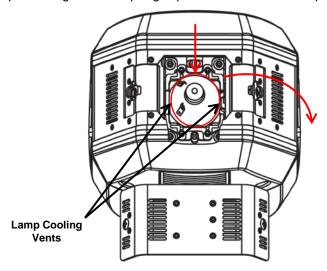
3. Orient the product so that the lamp power wires are coming from the lower right corner as you are looking at the rear head.



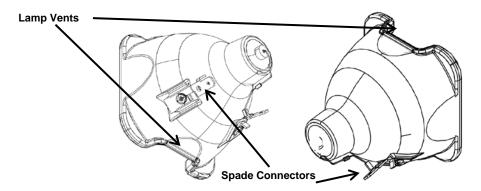


(Cont.)

Procedure 4. Take note as to the orientation of the lamp. Vent holes on the front of the lamp should align horizontally with the air vents on the lamp frame. This is extremely important for lamp cooling when replacing the lamp. (see step 5 for location of vents on the lamp) Using the lamp base, push the lamp down against the spring clips and then roll the lamp out the top.



5. Remove the 2 wires connected to the lamp by the spade connectors.



6. Reverse the steps 5 through 1 above to install the new lamp. Do not touch the glass with bare hands.



RISK OF LAMP EXPLOSION! Vent holes on the front of the lamp should align horizontally with the air vents on the lamp frame. This is extremely important for lamp cooling



Do not turn product on without a lamp!

Increasing the · Lamp's Life

- Vent holes on the front of the lamp should align horizontally with the air vents on the lamp frame. This is extremely important for lamp cooling.
- ALWAYS turn the lamp off by using the DMX controller or the product's control panel, then wait at least 5 minutes before switching off the product. This will keep the fans running to extract any remaining heat from the product's head.
- DO NOT power cycle the product unless it is necessary.
- DO NOT re-strike the lamp immediately after turning it off. Chauvet recommends waiting 5 minutes before trying to re-strike the lamp.
- DO NOT touch the lamp without wearing gloves to avoid leaving grease on the bulb or on the contacts that could reduce the lamp's life.
- ALWAYS change the lamp when it has reached its recommended lifespan to avoid the risk of lamp explosion.



Mounting

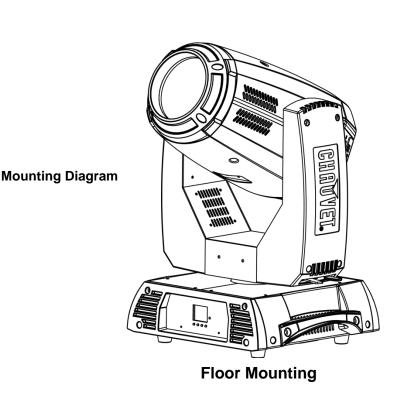
Before mounting this product, read and follow the Safety Notes. For our CHAUVET® Professional line of mounting clamps, go to http://trusst.com/products/.

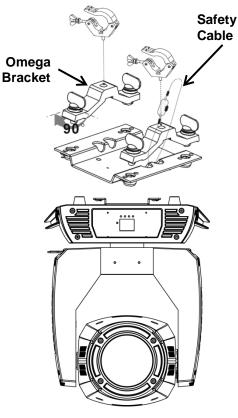
Orientation Always mount this product in a safe position and make sure there is adequate room for ventilation, configuration, and maintenance.

Rigging Chauvet recommends using the following general guidelines when mounting this product.

- When selecting an installation location, consider easy access to this product for operation, programming adjustments, and routine maintenance.
- The product is not intended for permanent installation.
- Make sure to mount this product away from any flammable material as indicated in the Safety Notes.
- Never mount in places where rain, high humidity, extreme temperature changes, or restricted ventilation may affect the product.
- If hanging this product, make sure that the mounting location can support the product's weight. See the Technical Specifications for the weight-bearing requirements of this product.
- When hanging this product, always secure to a fastening device using a safety cable. For our CHAUVET® Professional line of safety cables, go to http://trusst.com/products/.

Procedure The Rogue™ RH1 Hybrid comes with a preinstalled mounting surface to which you will be able to attach the 2 included omega brackets. Make sure the clamps are capable of supporting the weight of this product. Use two mounting points per product. In addition, use a safety cable to link the product to the structure. For our CHAUVET® Professional line of mounting clamps, go to http://trusst.com/products/.





Overhead Mounting



4. OPERATION

Control Panel Description

Button	Function	
<menu></menu>	Exits from the current menu or function	
<enter></enter>	Enables the currently displayed menu or sets the currently selected value in to the current function	
<up></up>	Navigates upward through the menu list or increases the numeric value when in a function	
<down></down>	Navigates downward through the menu list or decreases the numeric value when in a function	

Control Options You can set the Rogue™ RH1 Hybrid starting address in the 001–512 DMX range. This enables control of up to 20 products in the 25-channel 25CH personality.

Programming

Refer to the Menu Map to understand the menu options. The menu map shows the main level and a variable number of programming levels for each option.

- To enter programming mode, press any key on the control panel to wake the opening screen. Press <MENU> until you see one of the main level options.
- To highlight a menu option or to change a setting, press <UP> or <DOWN>.
- To change menu levels as shown in the Menu Map, press <ENTER> or <MENU>. This is equivalent to moving right and left of the Menu Map, respectively.
- To accept the current or new value, press **<ENTER>**.
- To return to the previous menu without making changes, press **<MENU>**.
- To exit programming mode, press <MENU> until you see one of the main level options, the opening screen, or do not press any button for 30 seconds and the screen will automatically revert to the opening screen.



Menu Map

Main Level	Pro	Programming Levels			Description
Address		001–512			Sets the DMX starting address
	DMX	20CH		CH	Selects the DMX mode
	DIMA		25CH		Selects the DIVIX mode
	Auto Test		st		Runs the product's test sequence
		Pan			
		Pan Fin	е		
		Tilt			
		Tilt Fin	е		
		P/T Spe	ed		
		Dimme			
		Dimmer F	ine		
		Shutte	r		
		Color			
		Gobo2	2		
		Gobo		000–255	
Run Mode		Gobo R	ot		
	Manual Test	Focus			Allows manual control of all settings from the
	mariaar rest	Focus Fi	ne		control panel
		Zoom			
		Zoom Fi	ne		
		Prism1	l		
		Prism1 F	Rot		
		Prism2	2		
		Prism2 F	Rot		
		Frost1			
		Frost2	!		
		P/T Mac	ro		
		P/T Ma.Sp	eed		
		Specia Functio			



Menu Map (Cont.)

Main Level	Programming Levels			Description
	Pen Beyeree			Reverse pan operation
	Pan Reverse	NO		Normal pan operation
	Till Deverse	YES		Reverse tilt operation
	Tilt Reverse	NO		Normal tilt operation
	Saraan Bayaraa	YES		Rotates control screen view 180°
	Screen Reverse	NO		Normal control screen view
		540		Selects the 540° pan angle range
	Pan Angle	360		Selects the 360° pan angle range
		180		Selects the 180° pan angle range
		270		Selects the 270° tilt angle range
	Tilt Angle	180		Selects the 180° tilt angle range
		90		Selects the 90° tilt angle range
	BL.O.P/T Move	YES		Defines the pan/tilt move-in-black delay
		NO		2 cm. cc and paramit more in black dolay
	BL.O.ColorMove YI		<u> </u>	Defines the color change move-in-black delay
		NO		
Setup	BL.O.GoboMove	GoboMove YES		Defines the gobo change move-in-black delay
		NO		,
		On/Off	ON OFF	Turns lamp on/off
		State/Power	ON	Defines the status of lamp when newering up
		on	OFF	Defines the status of lamp when powering up product
			YES	
		Off Via Dmx	NO	Turns off the unit via DMX controller
			YES	
	Lamp Settings	On If Dmx On	NO	Turns lamp on when DMX signal is detected
	Lamp Settings		YES	
		Off If Dmx Off	NO	Turns lamp off when DMX signal is lost
		Ignition Delay	000–255	Selects duration of delay between product power on and lamp power on
		Low Power Delay	000–255	Selects the duration of delay when shutter is closed and lamp enters lower power state
		Reset Lamp	YES	Resets lamp timer to 0
		Time	NO	Leaves lamp time unchanged



Menu Map (Cont.)

Main Level	Programming Levels			Description
	Maintenance Timer	Interval	10–250	Defines amount of hours between maintenance
		Remaining Time	NO	Shows amount of time remaining in maintenance cycle
			RESET	Resets the time back to the beginning
		Pan/Tilt	YES	Decete per/tilt functions to the home position
		Pall/IIII	NO	Resets pan/tilt functions to the home position
		Shutter/	YES	Resets all shutter/prism functions to the home
		Prism	NO	position
0		Color	YES	Decree all color for extense to the decree of the color o
Setup (Cont.)		Color	NO	Resets all color functions to the home position
(00)	Reset Function	Gobo	YES	Described to the Leave with
			NO	Resets all gobo functions to the home position
		Zoom/ Frost/ Focus	YES	Resets the zoom, frost, and focus functions to
			NO	the home position
		All	YES	Recets all functions to the home position
		All	NO	Resets all functions to the home position
	Factory Settings YI		Reverts the product back to the original fa	
	r actory Settings	'	NO	settings
	Ver:			Displays the software version
	Running Mode:			Displays the current running mode
	Dmx Address:			Displays the current DMX address
	Temperature:			Displays the product's temperature in Celsius
Sys Info	Lamp On Time:			Displays the amount of time the lamp has been on (provided the counter has been reset upon installation of new lamp)
	Remain Time:			Shows amount of time remaining in maintenance cycle



Address This programming level sets the DMX starting address.

Starting from the Main Level screen, select Address, press <ENTER>.

DMX Address

Set the In this mode, each product will respond to a unique starting address from the DMX controller. All products with the same starting address will respond in unison. This option sets the products DMX address.

Change the starting address (001-512), press <ENTER>.

Run Mode This programming level sets the DMX personality and controls the different test modes.

Starting from the Main Level screen, select Run Mode, press <ENTER>.

DMX Personality This option selects which DMX Personality the product uses.

- Highlight DMX, press <ENTER>.
- Select the DMX personality **20CH** or **25CH**, press **<ENTER>**.



- See the DMX Values section for the highest starting address you can select for each personality.
- Make sure that the starting addresses on the various products do not overlap due to the new personality setting.

Auto Test This option runs every attribute individually through 1 cycle.

Highlight Auto Test, press <ENTER>.



The Auto Test will end after 1 full cycle. You can stop the test by pressing <MENU> at any time.

Manual Test This option allows you to run each attribute individually or as a group.

- Highlight Manual Test, press <ENTER>.
- Highlight the desired attribute listed on the control panel screen, press **<ENTER>**.
 - Set the attribute value (000–255), press <ENTER>.
- Repeat step 2 for the other attributes.



When exiting the Manual Test level, the values of all tested channels will go back to zero.



Setup This programming level controls the product's head movement, lamp adjustments, and maintenance timer.

Starting from the Main Level screen, select **Setup**, press **<ENTER>**.

Pan Reverse Reverses the operation of the pan attribute.

- 1. Highlight Pan Reverse, press <ENTER>.
- 2. Select YES or NO, press <ENTER>.

Tilt Reverse Reverses the operation of the tilt attribute.

- Highlight Tilt Reverse, press <ENTER>.
- 2. Select **YES** or **NO**, press **<ENTER>**.

Screen Reverse To invert the control panel screen:

- Highlight Screen Reverse, press < ENTER>.
- Select **YES** or **NO**, press **<ENTER>**.

Pan Angle This option assigns pan range.

- 1. Highlight Pan Angle, press <ENTER>.
- 2. Select 540, 360, or 180, press <ENTER>.

Tilt Angle This option assigns tilt range.

- Highlight Tilt Angle, press <ENTER>.
- 2. Select 90, 180, or 270, press <ENTER>.

Movement BlackOut motion.

Pan and Tilt This option engages the shutter to block all light output whenever the product's head is in

- 1. Highlight BL.O.P/T Move, press <ENTER>.
- Select **YES** or **NO**, press **<ENTER>**.

Color Movement This option engages the shutter to block all light output whenever the product's color BlackOut wheel is in motion.

- 1. Highlight BL.O.ColorMove, press <ENTER>.
- 2. Select YES or NO, press <ENTER>.

Gobo Movement This option engages the shutter to block all light output whenever the product's gobo BlackOut wheel is in motion.

- 1. Highlight BL.O.GoboMove, press <ENTER>.
- 2. Select YES or NO, press <ENTER>.



Lamp Settings This programming level allows the user to change a range of options that control the action of the lamp.

Starting from the **Setup** screen level, select **Lamp Settings**, press **<ENTER>**.

Turning the Lamp This option turns the lamp on and off.

- On/Off 1. Highlight On/Off, press <ENTER>.
 - 2. Select **ON** or **OFF**, press **<ENTER>**.
 - Do not turn product on without a lamp!



- ALWAYS turn the lamp off by using the DMX controller or the product's control panel, then wait at least 5 minutes before switching off the product. This will keep the fans running to extract any remaining heat from the product's head.
- DO NOT power cycle the product unless it is necessary.
- DO NOT re-strike the lamp immediately after turning it off. Chauvet recommends waiting 5 minutes before trying to re-strike the lamp.

Lamp State This option determines whether the lamp turns on automatically when the product is powered up.

- 1. Highlight State/Power on, press <ENTER>.
- Select **ON** or **OFF**, press **<ENTER>**.

Remote Turn Off This option allows a connected DMX controller to turn the lamp on/off via the control channel.

- 1. Highlight Off Via Dmx, press <ENTER>.
- 2. Select YES or NO, press <ENTER>.

Lamp On if DMX This option determines whether the lamp turns on automatically when a DMX signal is detected.

Present 1. Highlight On If Dmx On, press <ENTER>. 2. Select YES or NO, press <ENTER>.

Lamp Off if DMX This option determines whether the lamp turns off automatically when a DMX signal is lost.

Absent 1. Highlight Off If Dmx Off, press <ENTER>.

2. Select YES or NO, press <ENTER>.

Lamp Strike Delay This option sets the duration of time (seconds) it takes for the lamp to turn on when powering up the product.

- 1. Highlight Ignition Delay, press <ENTER>.
- 2. Select **000–255**, press **<ENTER>**.

Lamp Low Power This attribute puts the lamp into a low power state when the shutters are closed helping to State increase the life of the shutters. This option allows the user to adjust how long from the instant the shutters are closed to the time the lamp enter the low power state.

- 1. Highlight Low Power Delay, press <ENTER>.
- Select 000-255, press <ENTER>.

Lamp Timer This procedure resets the lamp maintenance timer to 0. It is recommended that this be done after every lamp change.

- 1. Highlight **Reset Lamp Time**, press **<ENTER>**.
- 2. Select **010–250**, press **<ENTER>**.



Maintenance This programming level allows the user to change a range of options that control the action of Timer the maintenance timer.

Starting from the **Setup** screen level, select **Maintenance Timer**, press **<ENTER>**.

Maintenance Timer This option defines the amount of time (hours) that the maintenance timer will count down to.

Interval 1. Highlight Interval, press <ENTER>.

2. Select YES or NO, press <ENTER>.

Maintenance Timer This option resets the maintenance timer.

Reset 1. Highlight Remaining Time, press <ENTER>.

2. Select **RESET** or **NO**, press **<ENTER>**.

Reset Function This programming level allows the user to reset individual functions to the home position.

Starting from the **Setup** screen level, select **Reset Function**, press **<ENTER>**.

Pan/Tilt Reset This option resets the Pan/Tilt functions to the home position.

1. Highlight Pan/Tilt, press <ENTER>.

2. Select YES or NO, press <ENTER>.

Shutter/Prism Reset This option resets the Shutter/Prism functions to the home position.

1. Highlight Shutter/Prism, press <ENTER>.

2. Select YES or NO, press <ENTER>.

Color Reset This option resets the Color functions to the home position.

1. Highlight Color, press <ENTER>.

2. Select YES or NO, press <ENTER>.

Gobo Reset This option resets the Gobo functions to the home position.

1. Highlight Gobo, press <ENTER>.

2. Select YES or NO, press <ENTER>.

Zoom/Frost/ This option resets the Zoom/Frost/Focus functions to the home position.

Focus Reset 1. Highlight Zoom/Frost/Focus, press <ENTER>.

2. Select YES or NO, press <ENTER>.

All Reset This option resets the all the functions to the home position.

1. Highlight All, press <ENTER>.

2. Select YES or NO, press <ENTER>.

Factory Reset This reverts the product back to its original factory settings.

Function 1. Starting from the Setup screen level, select Factory Settings, press <ENTER>.

2. Select YES or NO, press <ENTER>.



Information

System This programming level shows standard information regarding the product's operating status.

- Starting from the Main Level screen, select Sys Info, press <ENTER>.
 - **Ver:** The current software version is displayed on the screen.
 - Running Mode: The current Running mode is displayed on the screen.
 - **DMX Address:** The current DMX address is displayed on the screen.
 - **Temperature:** The current product temperature is displayed on the screen.
 - Lamp On Time: The amount of hours the lamp has been on is displayed on the screen.
 - Remain Time: The time remaining in the maintenance cycle is displayed on the screen.

Offset Mode The Offset mode provides fine adjustments for the home position of all the moving parts in the optical path as well as the pan and tilt movements. This way, when in their home position, the moving parts do not show any border or reduce the light output.

- 1. Starting from the Main Level screen, Press and hold **MENU>** until the passcode screen appears.
- 2. Using **<UP>** to increase the number value and **<DOWN>** to move to the next column, enter 2323, press <ENTER>. This brings you into the Zero Adjust menu screen.
- Pan 1. Highlight PAN, press <ENTER>.
 - Select 000–255, press <ENTER>.
- Tilt 1. Highlight TILT, press <ENTER>.
 - 2. Select **000–255**, press **<ENTER>**.
- Dimmer 1. Highlight DIMMER, press <ENTER>.
 - Select 000-255, press <ENTER>.
 - Gobo 1. Highlight GOBO, press <ENTER>.
 - 2. Select **000–255**, press **<ENTER>**.
 - Color 1. Highlight COLOR, press <ENTER>.
 - Select 000-255, press <ENTER>.
 - Prism 1. Highlight PRISM, press <ENTER>.
 - 2. Select **000–255**, press **<ENTER>**.

- Rotating Prism 1. Highlight R-PRISM, press <ENTER>.
 - Select 000-255, press <ENTER>.
 - Zoom 1. Highlight ZOOM, press <ENTER>.
 - 2. Select **000–255**, press **<ENTER>**.
 - Focus 1. Highlight FOCUS, press <ENTER>.
 - 2. Select **000–255**, press **<ENTER>**.

- Frost 1. Highlight FROST, press <ENTER>.
 - 2. Select **000–255**, press **<ENTER>**.



DMX Values

25CH

Н	Channel	Function	Value	Percent/Setting
-	1 Pan 00		000෮ 255	0–100%
_	2	Fine Pan	000෮ 255	Fine control (16-bit)
_	3	Tilt	000෮ 255	0–100%
_	4	Fine Tilt	000ó 255	Fine control (16-bit)
_	5	Pan/Tilt Speed	000෮ 255	0–100%
_	6	Dimmer	000ó 255	0–100%
	7	Fine Dimmer	000ó 255	Fine control (16-bit)
_	8	Shutter	0166 131 1326 167 1686 203 2046 239	Closed Open Slow to fast Fast close, slow open (slow to fast) Slow close, fast open (slow to fast) Pulse effect from slow to fast Random effect from slow to fast Open
	9	Color Wheel	0046 007 0086 011 0126 015 0166 019 0206 023 0246 027 0286 031 0326 035 0366 039 0406 043 0446 047 0486 051 0526 059 0606 187 1886 219 2206 223	Open Red Orange Cyan Light green Light yellow Green Magenta Dark Blue Dark yellow Blue CTO 5600 K CTO 6500 K UV Split colors Clockwise color scroll, fast to slow Stop Counter-clockwise color scroll, slow to fast



	Channel	Function	Value	Percent/Setting
(Cont.)			000෮ 003	Open (See note in Ch. 11)
			004ó 006	
			007ó 009	Gobo 2
			010ó 012	Gobo 3
			0136 015	Gobo 4
			016ó 018	
			0196 021	
			0226 024	
			0256 027	
			0286 030	
			0316 033	
	10		0346 036	
			0376 039	
			040ó 042	
			043Ó 059	Gobo shake 1, slow to fast
		Gobo Wheel 1		Gobo shake 2, slow to fast
				Gobo shake 3, slow to fast
				Gobo shake 4, slow to fast
				Gobo shake 5, slow to fast
				Gobo shake 6, slow to fast
				Gobo shake 7, slow to fast
				Gobo shake 8, slow to fast
			0926 095	Gobo shake 9, slow to fast
			096ó 099	Gobo shake 10, slow to fast
				Gobo shake 11, slow to fast
				Gobo shake 12, slow to fast
				Gobo shake 13, slow to fast
			112ó 127	
				Clockwise gobo scroll, fast to slow
			190ó 193	
			1946 255	Counter-clockwise gobo scroll, slow to fast



	Channel	Function	Value	Percent/Setting
For open aperture to engage, Gobo Wheel 1 must be set in the open position. (Value 000-003)	11	Gobo Wheel 2	0066 011 0126 017 0186 023 0246 029 0306 035 0366 041 0426 047 0486 053 0546 063 0646 073 0746 079 0806 085 0866 091 0926 097 0986 103 1046 109 1106 115 1166 121 1226 127 1286 191	Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 Gobo 9 Gobo shake 1, slow to fast Gobo shake 2, slow to fast Gobo shake 3, slow to fast Gobo shake 4, slow to fast Gobo shake 5, slow to fast Gobo shake 6, slow to fast Gobo shake 7, slow to fast Gobo shake 8, slow to fast Gobo shake 9, slow to fast
	12 Gobo Wheel 2 Rotate		064ó 147 148ó 231	Gobo index Clockwise rotation, slow to fast Counter-clockwise rotation, fast to slow Clockwise rotation/counter-clockwise rotation
	13	Focus	000ó 255	0–100%
	14	Fine Focus	000ó 255	Fine control (16-bit)
_	15	Zoom	000ó 255	0–100%
_	16	Fine Zoom	000ó 255	Fine control (16-bit)
_	17	Prism 1		No function Prism insert
	18	Prism 1 Rotate	128ó 189 190ó 193	Prism index Clockwise rotation, fast to slow Stop Counter-Clockwise rotation, slow to fast
	19	Prism 2		No function Prism insert
20		Prism 2 Rotate	128ó 189 190ó 193	Prism index Clockwise rotation, fast to slow Stop Counter-Clockwise rotation, slow to fast
-	21	Frost	000ó 255	0–100%
-	22	Beam Defraction	000ó 255	



	Channel	Function	Value	Percent/Setting
(Cont.)			000෮ 007	No function
			008ර 015	Effect 1
			0166 023	Effect 2
			0246 031	Effect 3
			0326 039	Effect 4
			040ó 047	Effect 5
			0486 055	
			0566 063	
			0646 071	
			0726 079	
			0806 087	
	23		0886 095	
		Movement Macros	0966 103	
			1046 111	
			1126 119	
			120ó 127	
			1286 135	
			1366 143	
			144ó 151 152ó 159	
			160ó 167	
			168ó 175	
			176ó 183	
			184ó 191	
			1926 199	
			2006 207	
			2086 215	
			2166 223	
			2246 231	
			2326 239	
			2406 247	
			2486 255	



	Channel	Function	Value	Percent/Setting
(Cont.)	24	Movement Macro Speed	000ර 255	0–100%
	25	Control	0306 039 0406 049 0506 059 0606 069 0706 079 0806 089 0906 099 1006 109 1106 119 1206 129 1306 139 1406 149 1506 169 1706 179 1806 189 1906 199 2006 209 2106 219 2206 229 2306 239 2406 247	Lamp on Pan/Tilt reset Color wheel reset Gobo wheel reset Shutter/prism reset No function Frost/focus/zoom reset All reset Blackout all function during pan/tilt Disable blackout all functions during pan/tilt



20CH

Channel	Function	Value	Percent/Setting			
1	Pan	000෮ 255	0–100%			
2	2 Fine Pan		Fine control (16-bit)			
3	3 Tilt		0–100%			
4	4 Fine Tilt		Fine control (16-bit)			
5	Pan/Tilt Speed	000෮ 255	0–100%			
6	Dimmer	000ó 255	0–100%			
7	Shutter	0006 007 0086 015 0166 131 1326 167 1686 203 2046 239 2406 247 2486 255	 Ó 015 Open Ó 131 Slow to fast Ó 167 Fast close, slow open (slow to fast) Ó 203 Slow close, fast open (slow to fast) Ó 239 Pulse effect from slow to fast 			
8	Color Wheel	020ó 023 024ó 027 028ó 031 032ó 035 036ó 039 040ó 043 044ó 047 048ó 051 052ó 059 060ó 187 188ó 219 220ó 223	Red Orange Cyan Light green Light yellow Green Magenta Dark Blue Dark yellow Blue CTO 5600 K CTO 6500 K UV Split colors Clockwise color scroll, fast to slow			



	Channel	Function	Value	Percent/Setting
(Cont.)			000෮ 003	Open (See note in Ch. 10)
			004ó 006	Gobo 1
			007ර 009	Gobo 2
			010ó 012	
			0136 015	Gobo 4
			016ó 018	Gobo 5
			0196 021	Gobo 6
			0226 024	Gobo 7
			0256 027	Gobo 8
			0286 030	Gobo 9
			0316 033	Gobo 10
			034ó 036	Gobo 11
	9		0376 039	Gobo 12
		Gobo Wheel 1	040ó 042	Gobo 13
			0436 059	Open
				Gobo shake 1, slow to fast
				Gobo shake 2, slow to fast
				Gobo shake 3, slow to fast
				Gobo shake 4, slow to fast
				Gobo shake 5, slow to fast
				Gobo shake 6, slow to fast
				Gobo shake 7, slow to fast
				Gobo shake 8, slow to fast
			0926 095	· ·
			0966 099	Gobo shake 10, slow to fast
				Gobo shake 11, slow to fast
				Gobo shake 12, slow to fast
			1086 111	Gobo shake 13, slow to fast
			1126 127	Open
				Clockwise gobo scroll, fast to slow
			1906 193	
			1940 255	Counter-clockwise gobo scroll, slow to fast



	Channel	Function	Value	Percent/Setting
For open aperture to engage, Gobo Wheel 1 must be set in the open position. (Value 000-003)	10	Gobo Wheel 2	006ó 011 012ó 017 018ó 023 024ó 029 030ó 035 036ó 041 042ó 047 048ó 053 054ó 063 064ó 073 074ó 079 080ó 085 086ó 091 092ó 097 098ó 103 104ó 109 110ó 115 116ó 121 122ó 127 128ó 191	Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 Gobo 9 Gobo shake 1, slow to fast Gobo shake 2, slow to fast Gobo shake 3, slow to fast Gobo shake 4, slow to fast Gobo shake 5, slow to fast Gobo shake 6, slow to fast Gobo shake 7, slow to fast Gobo shake 8, slow to fast Gobo shake 9, slow to fast
	11	Gobo Wheel 2 Rotate	064ó 147	Gobo index Clockwise rotation, slow to fast Counter-clockwise rotation, fast to slow Clockwise rotation/counter-clockwise rotation
-	12	Focus	000෮ 255	0–100%
-	13	Zoom	0006 255	0–100%
-	14	Prism 1		No function Prism insert
-	15	Prism 1 Rotate	128ó 189 190ó 193	Prism index Clockwise rotation, fast to slow Stop Counter-Clockwise rotation, slow to fast
-	16	Prism 2		No function Prism insert
-	17	Prism 2 Rotate	128ó 189 190ó 193	Prism index Clockwise rotation, fast to slow Stop Counter-Clockwise rotation, slow to fast
-	18	Frost	000෮ 255	0–100%
-	19	Beam Defraction	000ර 255	0–100%



	Channel	Function	Value	Percent/Setting
(Cont.)			000ර 029	No function
			0306 039	Dimmer conventional mode
			040ó 049	Dimmer linear mode
			0506 059	Pan/Tilt fast mode
				Pan/Tilt normal mode
				Blackout during pan/tilt (3 sec hold)
				Disable pan/tilt blackout (3 sec hold)
				,
	20	Control		·
	20	Control	090ó 099 100ó 109 110ó 119 120ó 129 130ó 139 140ó 149 150ó 159 160ó 169 170ó 179 180ó 189 190ó 199 200ó 209 210ó 219 220ó 229 230ó 239 240ó 247	Blackout while color wheel moving (3 sec hold) Disable color wheel blackout (3 sec hold) Blackout while gobo wheels moving (3 sec hold) Disable gobo wheel blackout (3 sec hold) Lamp on Pan/Tilt reset Color wheel reset Gobo wheel reset Shutter/prizm reset No function Frost/focus/zoom reset All reset Blackout all function during pan/tilt Disable blackout all functions during pan/tilt



5. TECHNICAL INFORMATION

Product Maintenance

Product To maintain optimum performance and minimize wear, you should clean this product frequently. Usage and environment are contributing factors in determining the cleaning frequency.

As a rule, clean this product at least twice a month. Dust build-up reduces light output performance and can cause overheating. This can lead to reduced light source life and increased mechanical wear.

To clean your product:

- 1. Unplug the product from power.
- 2. 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 vents.
- Clean all external surfaces with a mild solution of non-ammonia glass cleaner or isopropyl alcohol.
- 5. Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
- 6. Wipe any dirt or grime to the outside edges of the lens surface.
- 7. Gently polish the lens surfaces until they are free of haze and lint.



Always dry the external surfaces thoroughly and carefully after cleaning them.



Do not spin the cooling fans while blowing compressed air into them.



6. TECHNICAL SPECIFICATIONS

 Dimensions and Weight
 Length
 Width
 Height
 Weight

 16.1 in (409 mm)
 12.9 in (327 mm)
 25.8 in (638 mm)
 55.2 lb (25.1 kg)

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

Power	Power Supply Type	Range	Voltage Selection
	Switching (internal)	100-240 VAC, 50/60 Hz	Auto-ranging
	Parameter	120 VAC, 60 Hz	230 VAC, 50 Hz
	Consumption	548 W	522 W
	Current	4.53 A	2.3 A
	Fuse	T 10 A, 250 V	T 10 A, 250 V
	Power I/O	U.S./Canada	Worldwide
	Power input connector Power cord plug	Neutrik® powerCON® A Edison	Neutrik® powerCON® A Local
Light Source	Туре	Power	Lifespan
	HRI	330 W	1,500 hours
Photometrics	Parameter	Spot Mode	Beam Mode
	Illuminance @ 5 m	112,200 lux (5°)	
	Illuminance @ 5 m	8,230 lux (19°)	
	Illuminance @ 15 m		111,000 lux (2.5°)
	Illuminance @ 15 m		7,320 lux (8°)
	Beam angle	3°–10°	1°–4.5°
	Field Angle	5°–19°	2.5°-8°
Thermal	Max. External Temperature	Cooling System	
	113 °F (45 °C)	Fan-Cooled	
DMX	I/O Connectors	Connector Type	Channel Range
	3- and 5-pin XLR	Sockets	20 or 25
Ordering	Product Name	Item Code	UPC Number
	Rogue™ RH1 Hybrid	08010949	781462212971





Returns You must send the product prepaid, in the original box, and with the original packing and accessories. Chauvet will not issue call tags.

> Call Chauvet 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(s) for the return.

> Clearly label the package with an RMA number. Chauvet will refuse any product returned without an RMA number.



DO NOT write the RMA number directly on the box. Instead, write it on a properly affixed

Once you have received the RMA number, include the following information on a piece of paper inside the box:

- Your name
- Your address
- Your phone number
- The RMA number
- A brief description of the problem(s)

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



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



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