ROGUE R2X SPOT

User Manual

CHAUVET
PROFESSIONAL
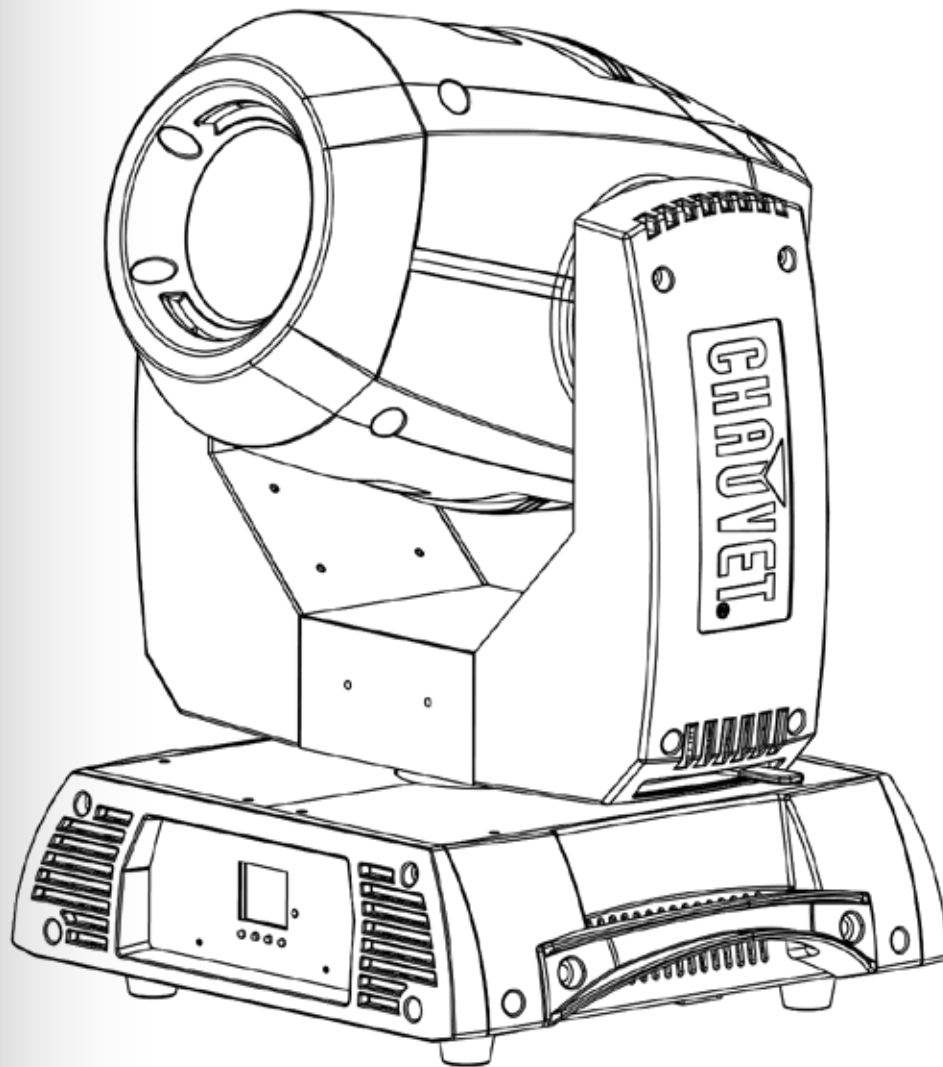
Edition Notes	The Rogue R2X Spot User Manual Edition Rev. 3 covers the description, safety precautions, installation, programming, operation, and maintenance of the Rogue R2X Spot as of this edition release.
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Document Printing	For better results, print 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 Audience	Any person in charge of 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	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.

Table of Contents

1. BEFORE YOU BEGIN

What Is Included
- Rogue R2X Spot
- Neutrik® powerCON® power cord
- 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>	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
⚠	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.
ⓘ	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	✘	Auto Programs	✘
Outdoor Use	✘	Auto-Ranging Power Supply	P
Sound-Activated	✘	Replaceable Fuse	P
DMX	P	User-Serviceable	✘
Master/Slave	✘		

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 47.8 lb (21.7 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, 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 R2X Spot is a compact, electronic, moving yoke product equipped with a 300-watt LED. It includes 2 color wheels, each with 7 colors plus white and 2 gobo wheels for gobo morphing. It also includes a rotating 3-facet prism, remote focus, frost and iris.

Features
- Compact, moving yoke fixture with a prism and motorized focus
- Precision-designed optics for hard-edged effects
- Extremely quiet for operation in any situation
- Color wheel 1:
    - 7 colors + Open (white)
    - Split/linear colors
    - Rainbow color spin at variable speed
- Color wheel 2:
    - 7 colors + Open (white)
    - Split/linear colors
    - Rainbow color spin at variable speed
- Gobo wheel 1:
    - 7 slot-n-lock gobos + Open
    - Indexed, rotating gobo wheel with gobo shake
    - Interchangable
    - Gobo wheel spin at variable speed
- Gobo wheel 2:
    - 8 gobos + Open
    - Gobo wheel spin at variable speed
- Variable frost
- 3-facet rotating prism
- DMX channels: 18 or 21
- Pan: 540°
- Tilt: 250°
- Reset over DMX
- Electronic power supply
- RDM enabled for remote addressing and trouble shooting
- 3- and 5-pin DMX input and output connectors
- Selectable LED maximum output to match legacy Rogue R2 Spots
- Selectable PWM settings to maintain flicker free operation on camera
- Simple and complex DMX channel profiles for programming versatility

Overview

Front View

Control Panel

Rear View

Fuse

Power Switch

3- and 5-pin DMX In

3- and 5-pin DMX Out

Power Out

Power In

Top View

Side View

Handle

Dimensions

16.10 in
409 mm

14.09 in
358 mm

10.28 in
261 mm

9.45 in
240 mm

12.87 in
327 mm

13.50 in
343 mm

12.13 in
308 mm

19.25 in
489 mm

4.53 in
115 mm
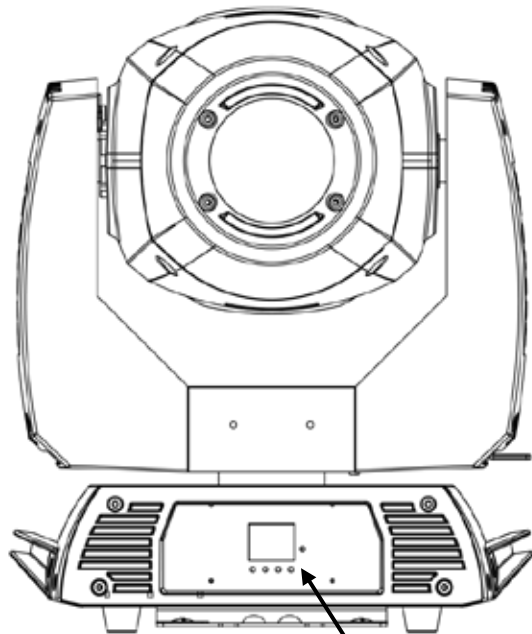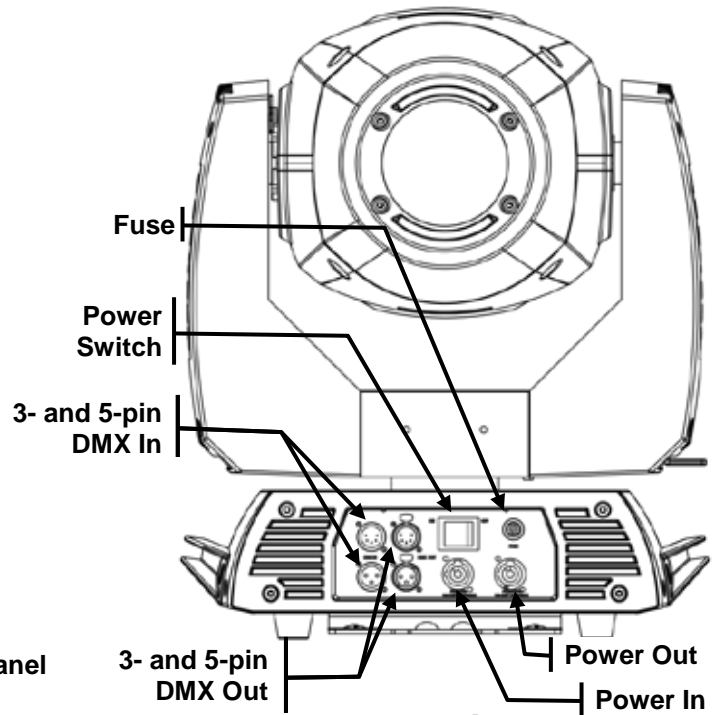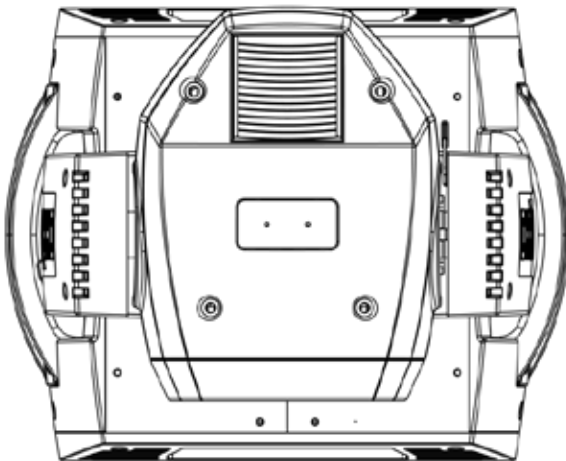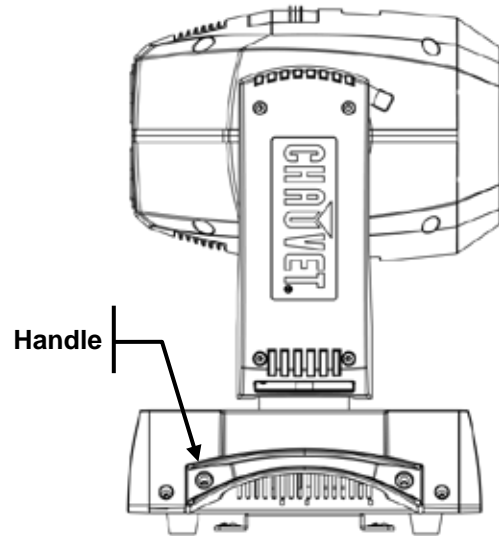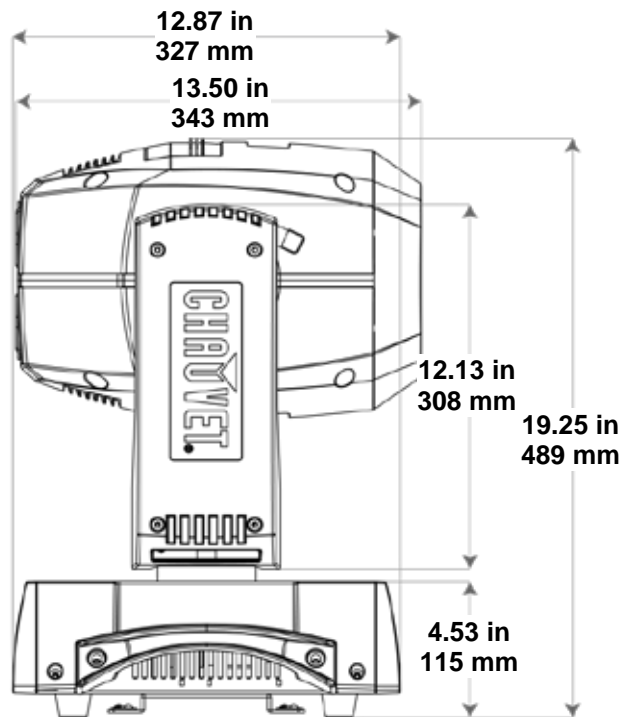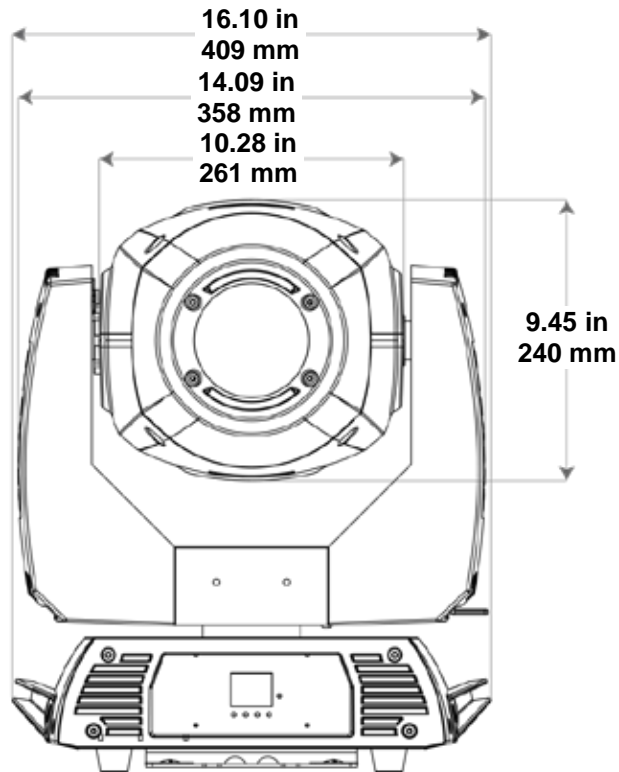
3. SETUP

AC Power Each Rogue R2X Spot 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 Rogue R2X Spot, 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.chauvetlighting.com/download/pro.

- **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.

AC Plug The Rogue R2X Spot 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 Replacement
1. Disconnect this product from the power outlet.
2. Using a flat-head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse and replace with another fuse of the same type and rating (F 7 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.

Power Linking The Rogue R2X Spot supports power linking. You can power link up to 3 products at 120 V; up to 6 at 208 V; or up to 7 at 230 V.

This product comes with a power input cord. Power linking cables are available from Chauvet for purchase.

DMX Linking You can link the Rogue R2X Spot to a DMX controller using a 3- or 5-pin DMX connection. If using other DMX-compatible products with the Rogue R2X Spot, you can control each individually with a single DMX controller.

DMX Personalities

The Rogue R2X Spot uses a 3- or 5-pin DMX data connection for the 18- and 21-channel DMX personalities.

- Refer to the Introduction chapter for a brief description of each DMX personality.
- Refer to the Operation chapter to learn how to configure the Rogue R2X Spot to work in these personalities.
- The DMX Values section provides you with detailed information regarding the DMX personalities.

RDM (Remote Device Management)

Remote Device Management, or RDM, is a standard for allowing DMX-enabled devices to communicate bi-directionally along existing DMX cabling. Check the DMX controller's User Manual or with the manufacturer as not all DMX controllers have this capability. The Rogue R2X Spot supports RDM protocol that allows feedback to make changes to menu map options. Download the User Manual from www.chauvetprofessional.com for more details.

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.chauvetlighting.com/download/pro.

Gobo Wheel The Rogue R2X Spot includes two gobo wheels: 7 rotating gobos plus open on wheel 1 and 8 fixed gobos plus open on wheel 2. The diagram shows the gobo number on the wheel, as numbered in the DMX Values tables.

Open

Gobo Wheel 1

Metal Gobo Dimensions
Positions 1, 2, 3, 4, and 7
Gobo Wheel 1

28.8 mm
23.8 mm
OUTSIDE
IMAGE

Glass Gobo Dimensions
Positions 5 and 6
Gobo Wheel 1

27 mm
24 mm
OUTSIDE
IMAGE
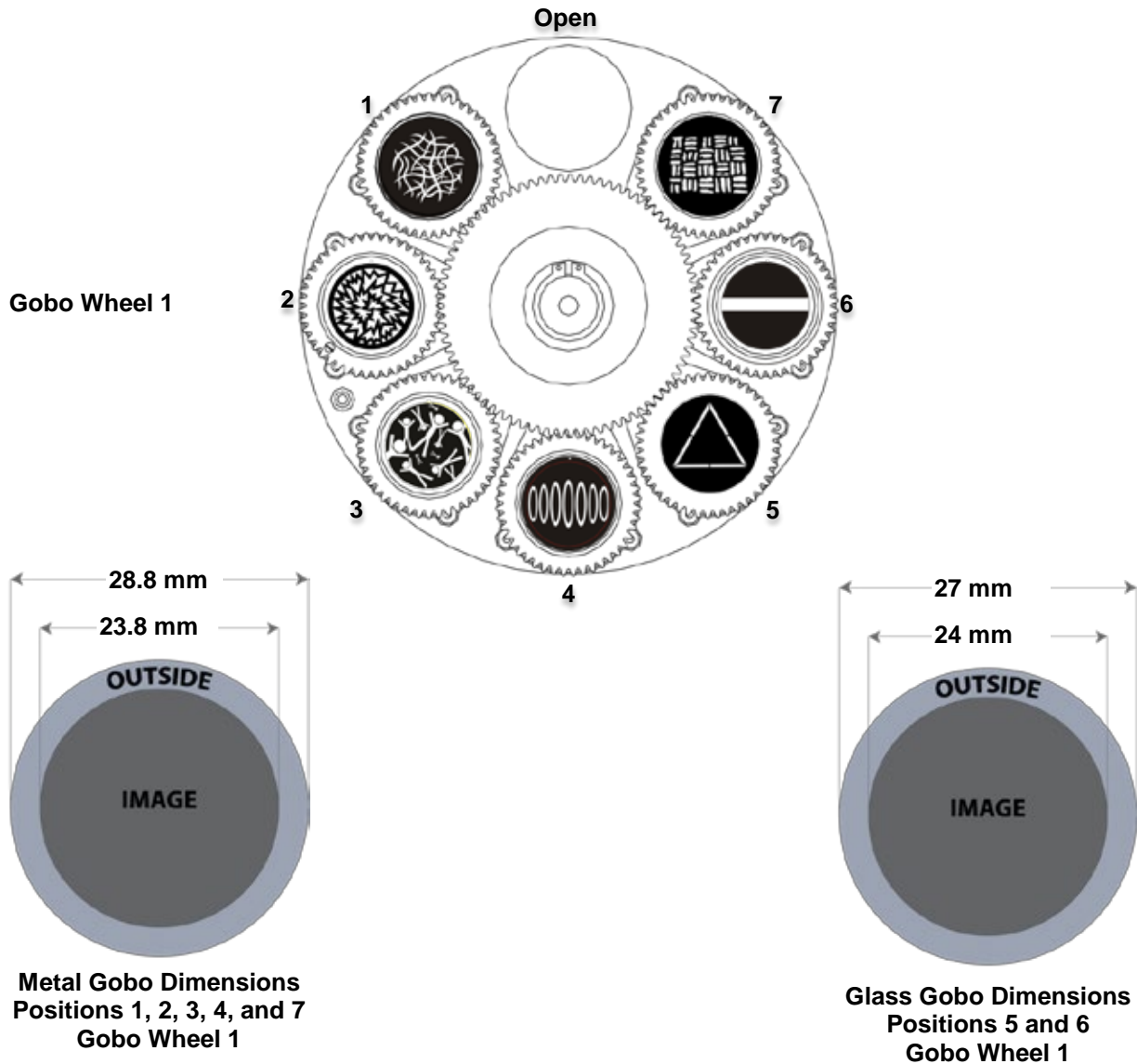
Gobo holders 5 and 6 on gobo wheel 1 are slightly smaller to accommodate glass gobos.

Gobo Replacement   The gobos in the Rogue R2X Spot gobo wheel 1 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.**
· **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.**
· **All custom gobos in the Rogue R2X Spot gobo wheel 1 must be aluminum or glass.**

Procedure
1. Turn the product off and disconnect it from the power outlet.
2. Open the head cover by loosening the 4 Phillips-head ¼-turn screws on the sides of the top cover.
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 holder.
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.

Gobo Replacement Diagrams
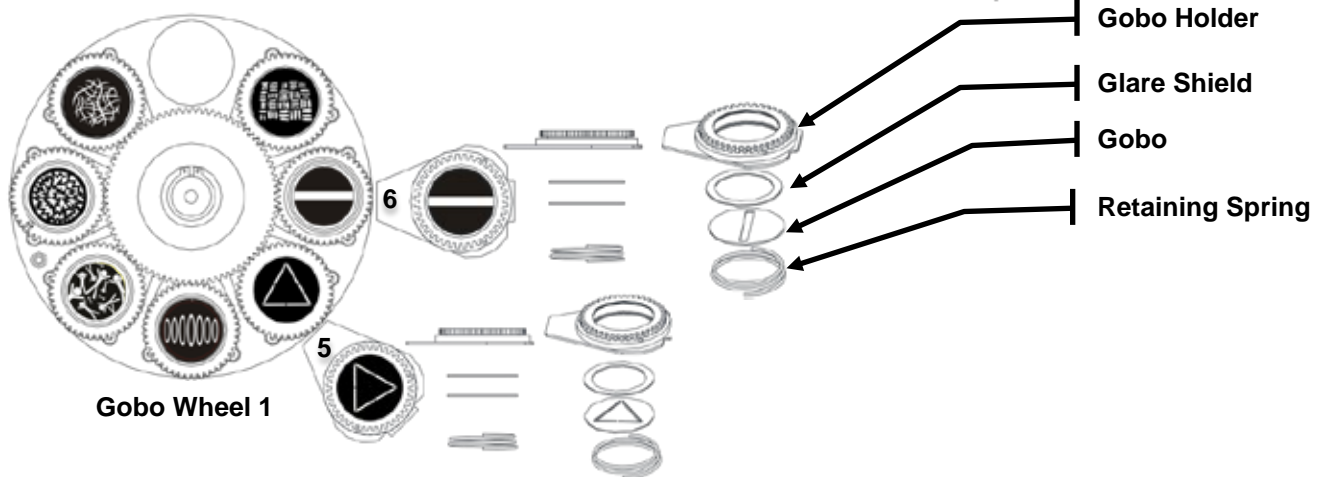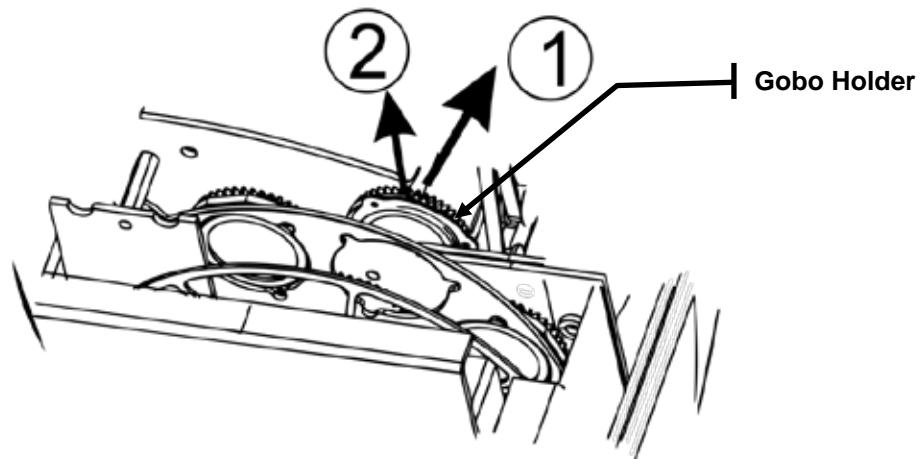
Gobo Wheel 1
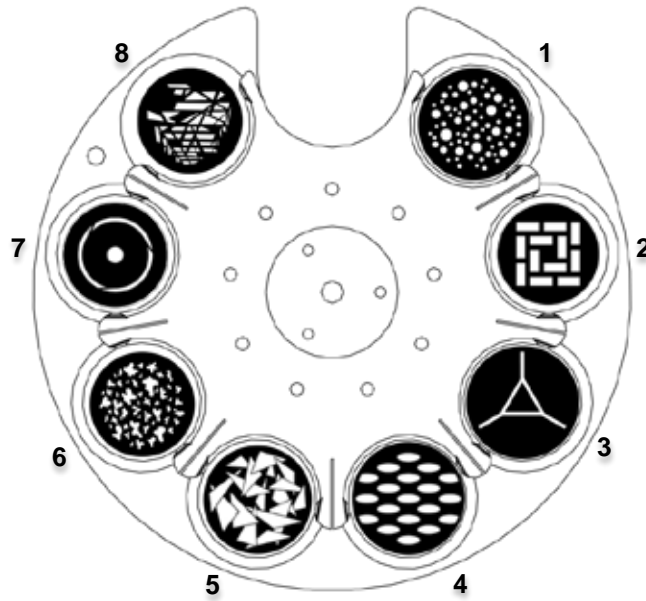
Gobo Wheel 2

The gobos on gobo wheel 2 are not removable.

Color Wheel The Rogue R2X Spot includes 2 color wheels with 7 fixed colors plus open (white) in each wheel, as indicated below. The diagram shows the color name on the wheel, as shown in the DMX Values tables.

Color Wheel 1

UV
Green
Orange
CTC-5600 K
Pink
CTC-3200 K
Light Blue
Open (White)

4
3
5
2
6
1
7

Color Wheel 2

Red
Green
Magenta
Light Blue
Dark Blue
Yellow
Orange
Open (White)

4
3
5
2
6
1
7
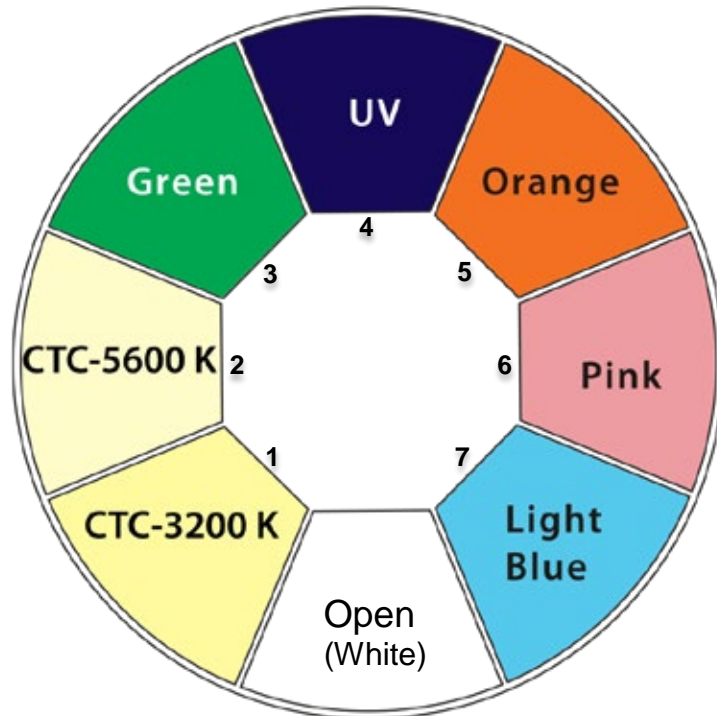
Mounting Before mounting this product, read and follow the Safety Notes. For our Chauvet line of mounting clamps, go to http://trusst.com/products/.

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.
- 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 (such as **CH-05** from Chauvet).

Procedure The Rogue R2X Spot comes with a preinstalled mounting surface to which you will be able to attach the 2 included omega brackets. Make sure the clamps (such as **CLP-15** from Chauvet) 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.

Mounting Clamp

Safety Cable

Omega Brackets

90

Mounting Diagram

Mounting Surface

Floor Mounting   **Overhead Mounting**
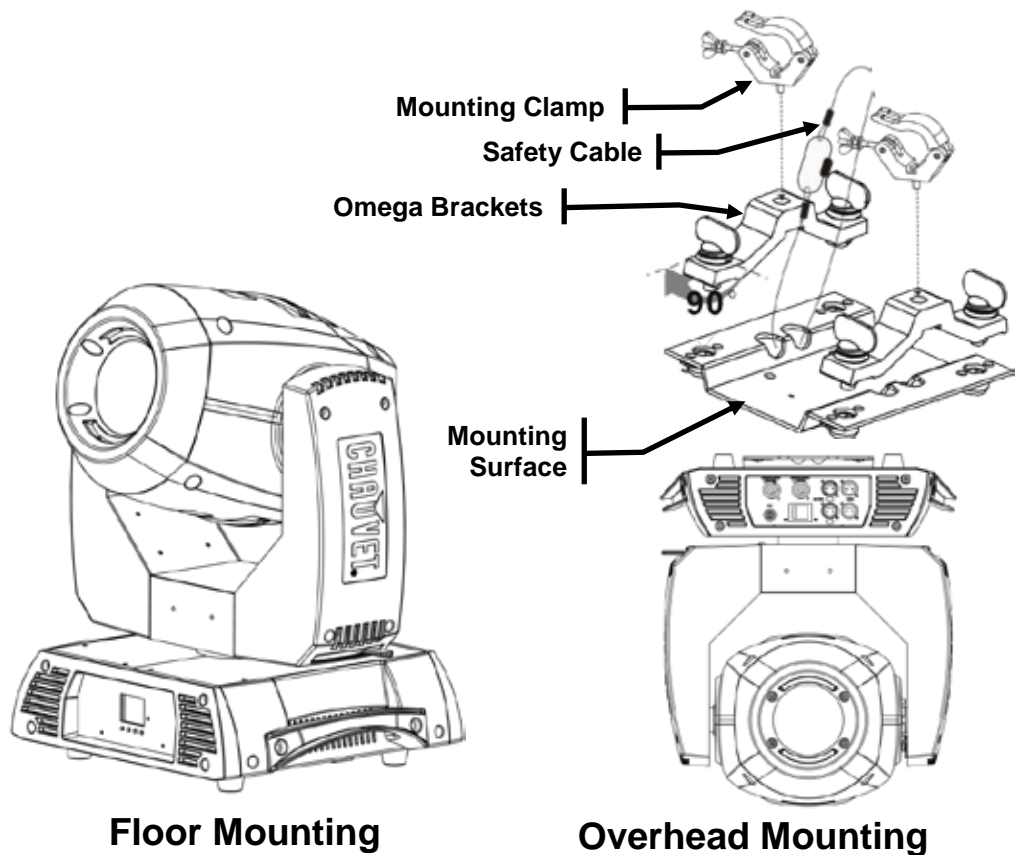
4. OPERATION

Control Panel Description

Button	Function
<MENU>	Exits from the current menu or function
<ENTER>	Enables the currently displayed menu or sets the currently selected value in to the current function
<UP>	Navigates upward through the menu list or increases the numeric value when in a function
<DOWN>	Navigates downward through the menu list or decreases the numeric value when in a function

Control Options

You can set the Rogue R2X Spot starting address in the **001–512** DMX range. This enables control of up to 24 products in the 21-channel **21CH** 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	Programming Levels		Description
Address	**001–512**		Sets the DMX starting address
Run Mode	**DMX**	**18CH**	Selects the DMX mode
		21CH	
	Auto Test		Runs the product's test sequence
	Manual Test	**Pan**	Allows manual control of all settings from the control panel
		Pan Fine	
		Tilt	
		Tilt Fine	
		P/T Speed	
		Dimmer	
		Dimmer Fine	
		Shutter	
		Color	
		Color2	
		Gobo	
		Gobo Rot	
		Gobo2	
		Focus	
		Prism	
		R-Prism	
		Iris	
		Frost	
		P/T Macro	
		P/T Ma.Speed	
		Special Function	
Setup	**Pan Reverse**	**YES**	Reverse pan operation
		NO	Normal pan operation
	Tilt Reverse	**YES**	Reverse tilt operation
		NO	Normal tilt operation

Note: The "000–255" value applies to all Manual Test programming level entries.

Menu Map (Cont.)

Main Level	Programming Levels			Description
Setup	Screen Reverse	YES		Rotates control screen view 180°
		NO		Normal control screen view
	Pan Angle	540		Selects the 540° pan angle range
		360		Selects the 360° pan angle range
		180		Selects the 180° pan angle range
	Tilt Angle	270		Selects the 270° tilt angle range
		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		
	BL.O.ColorMove	YES		Defines the color change move-in-black delay
		NO		
	BL.O.GoboMove	YES		Defines the gobo change move-in-black delay
		NO		
	PWM Option	600Hz		Selects the PWM output frequency
		1200Hz		
		6000Hz		
		15KHz		
	Fans	Auto		Change the fan speed mode
		ECO		
	LED Power	50-100		Legacy Mode-sets the LED level to the original R1 Spot intensity
	Reset Function	Pan/Tilt	YES	Resets pan/tilt functions to the home position
			NO	
		Shutter/ Prism	YES	Resets all shutter/prism functions to the home position
			NO	
		Color	YES	Resets all color functions to the home position
			NO	
		Gobo	YES	Resets all gobo functions to the home position
			NO	
		Zoom/Frost/ Focus	YES	Resets the zoom, frost, and focus functions to the home position
			NO	
		All	YES	Resets all functions to the home position
			NO	
	Factory Settings	YES		Reverts the product back to the original factory settings
		NO		
Sys Info	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
	UID:			Displays the products UID number

Address This programming level sets the DMX starting address.
· Starting from the Main Level screen, select **Address,** press **<ENTER>**.

Set the In this mode, each product will respond to a unique starting address from the DMX
DMX Address 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.
1. Highlight **DMX**, press **<ENTER>**.
2. Select the DMX personality **18CH** or **21CH**, 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.
1. Highlight **Manual Test**, press **<ENTER>**.
2. Highlight the desired attribute listed on the control panel screen, press **<ENTER>**.
· Set the attribute value (**000–255**), press **<ENTER>**.
3. 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.
	4. Highlight **Pan Reverse**, press **<ENTER>**.
	5. Select **YES** or **NO**, press **<ENTER>**.
Tilt Reverse	Reverses the operation of the tilt attribute.
	1. Highlight **Tilt Reverse**, press **<ENTER>**.
	2. Select **YES** or **NO**, press **<ENTER>**.
Screen Reverse	To invert the control panel screen:
	1. Highlight **Screen Reverse**, press **<ENTER>**.
	2. 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.
	1. Highlight **Tilt Angle**, press **<ENTER>**.
	2. Select **90**, **180**, or **270**, press **<ENTER>**.
Pan and Tilt Movement BlackOut	This option engages the shutter to block all light output whenever the product's head is in motion.
	1. Highlight **BL.O.P/T Move**, press **<ENTER>**.
	2. Select **YES** or **NO**, press **<ENTER>**.
Color Movement BlackOut	This option engages the shutter to block all light output whenever the product's color wheel is in motion.
	1. Highlight **BL.O.ColorMove**, press **<ENTER>**.
	2. Select **YES** or **NO**, press **<ENTER>**.
Gobo Movement BlackOut	This option engages the shutter to block all light output whenever the product's gobo wheel is in motion.
	1. Highlight **BL.O.GoboMove**, press **<ENTER>**.
	2. Select **YES** or **NO**, press **<ENTER>**.
LED Frequency	This option changes the Pulse Width Modulation (PWM) frequency of the LEDs on the Rogue R2X Spot.
	1. Go to the **PWM Option** main level.
	2. Choose an output frequency. (**600Hz**, **1200Hz**, **6000Hz**, or **15KHz**).
LED Power	This option enables the product to match the light intensity of the original Rogue R2 Spot.
	1. Go to the **LED POWER** main level
	2. Choose the LED intensity (**50-100**).

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>**.

Prism Reset This option resets the Prism functions to the home position.
1. Highlight **Shutter/Prism**, press **<ENTER>**.
2. Select **YES** or **NO**, press **<ENTER>**.

Color/Frost Reset This option resets the Color/Frost functions to the home position.
1. Highlight **Color/Frost**, press **<ENTER>**.
2. Select **YES** or **NO**, press **<ENTER>**.

Gobo&R/Gobo2 Reset This option resets the Gobo&R/Gobo 2 functions to the home position.
1. Highlight **Gobo&R/Gobo2**, press **<ENTER>**.
2. Select **YES** or **NO**, press **<ENTER>**.

Focus/Iris Reset This option resets the Focus/Iris functions to the home position.
1. Highlight **Focus/Iris**, 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 Function This reverts the product back to its original factory settings.
1. Starting from the **Setup** screen level, select **Factory Settings,** press **<ENTER>**.
2. Select **YES** or **NO**, press **<ENTER>**.

System Information	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.

RDM	This option shows the product's UID #. The UID # is used when using the RDM functionality of the product. 1. Go to the Information main level. 2. Select **UID**: and the number will show on the screen. Use DMX configurations to operate the product with a DMX controller.
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>**. 2. Select **000–255**, press **\<ENTER>**.
Tilt	1. Highlight **TILT**, press **\<ENTER>**. 2. Select **000–255**, press **\<ENTER>**.
Gobo	1. Highlight **GOBO**, press **\<ENTER>**. 2. Select **000–255**, press **\<ENTER>**.
Gobo Rotate	1. Highlight **GOBO ROT**, press **\<ENTER>**. 2. Select **000–255**, press **\<ENTER>**.
Gobo 2	1. Highlight **GOBO2**, press **\<ENTER>**. 2. Select **000–255**, press **\<ENTER>**.
Color 1	1. Highlight **COLOR1**, press **\<ENTER>**. 2. Select **000–255**, press **\<ENTER>**.
Color 2	1. Highlight **COLOR2**, press **\<ENTER>**. 2. Select **000–255**, press **\<ENTER>**.
Prism	1. Highlight **PRISM**, press **\<ENTER>**. 2. Select **000–255**, press **\<ENTER>**.
Focus	1. Highlight **FOCUS**, press **\<ENTER>**. 2. Select **000–255**, press **\<ENTER>**.
Iris	1. Highlight **IRIS**, press **\<ENTER>**. 2. Select **000–255**, press **\<ENTER>**.
Frost	1. Highlight **FROST**, press **\<ENTER>**. 2. Select **000–255**, press **\<ENTER>**.
Dimmer	1. Highlight **DIMMER**, press **\<ENTER>**. 2. Select **000–255**, press **\<ENTER>**.
FO. Yellow Edge	Reserved for future use.

DMX Values

21CH	Channel	Function	Value	Percent/Setting
	1	**Pan**	000⦿255	0–100%
	2	**Fine Pan**	000⦿255	0–100%
	3	**Tilt**	000⦿255	0–100%
	4	**Fine Tilt**	000⦿255	0–100%
	5	**Pan/Tilt Speed**	000⦿255	0–100%
	6	**Dimmer**	000⦿255	0–100%
	7	**Fine Dimmer**	000⦿255	0–100%
	8	**Shutter**	000⦿003	Closed
			004⦿007	Open
			008⦿076	Slow to fast
			077⦿145	Pulse effect from slow to fast
			146⦿215	Random effect from slow to fast
			216⦿255	Open
	9	**Color Wheel 2**	000⦿007	Open
			008⦿015	Yellow
			016⦿023	Light blue
			024⦿031	Green
			032⦿039	Red
			040⦿047	Magenta
			048⦿055	Dark blue
			056⦿063	Orange
			064⦿127	Split colors
			128⦿191	Clockwise color scroll, slow to fast
			192⦿255	Counter-clockwise color scroll, slow to fast
	10	**Color Wheel 1**	000⦿007	Open
			008⦿015	CTO 3200 K
			016⦿023	CTO 5600 K
			024⦿031	Green
			032⦿039	UV
			040⦿047	Orange
			048⦿055	Pink
			056⦿063	Light blue
			064⦿127	Split colors
			128⦿191	Clockwise color scroll, slow to fast
			192⦿255	Counter-clockwise color scroll, slow to fast

DMX Values (Cont.)

21CH (Cont.)	Channel	Function	Value	Percent/Setting
	11	Gobo Wheel 1	000–007	Open
			008–015	Gobo 1
			016–023	Gobo 2
			024–031	Gobo 3
			032–039	Gobo 4
			040–047	Gobo 5
			048–055	Gobo 6
			056–063	Gobo 7
			064–119	Gobo shake 1–7, slow to fast
			120–127	Open
			128–191	Clockwise gobo scroll, slow to fast
			192–255	Counter-clockwise gobo scroll, slow to fast
	12	Gobo Wheel 1 Rotate	000–063	Gobo index
			064–147	Clockwise rotation, slow to fast
			148–231	Counter-clockwise rotation, slow to fast
			232–255	Boomerang effect, slow to fast
	13	Gobo Wheel 2	000–006	Open
			007–013	Gobo 1
			014–020	Gobo 2
			021–027	Gobo 3
			028–034	Gobo 4
			035–041	Gobo 5
			042–048	Gobo 6
			049–055	Gobo 7
			056–063	Gobo 8
			064–120	Gobo shake 1–8, slow to fast
			121–127	Open
			128–191	Clockwise gobo scroll, slow to fast
			192–255	Counter-clockwise gobo scroll, slow to fast
	14	Focus	000–255	0–100%
	15	Prism	000–004	No function
			005–255	Prism insert
	16	Prism Rotate	000–127	Prism index
			128–189	Counter-clockwise rotation, fast to slow
			190–193	Stop
			194–255	Clockwise rotation, slow to fast
	17	Iris	000–063	Wide to narrow
			064–127	Iris effect, slow to fast
			128–191	Iris effect, in slow, out fast
			192–255	Iris effect, out slow, in fast
	18	Frost	000–007	No function
			008–255	Frost effect

DMX Values (Cont.)

21CH (Cont.)	Channel	Function	Value	Percent/Setting
			000ꙩ007	No function
			008ꙩ015	Effect 1
			016ꙩ023	Effect 2
			024ꙩ031	Effect 3
			032ꙩ039	Effect 4
			040ꙩ047	Effect 5
			048ꙩ055	Effect 6
			056ꙩ063	Effect 7
			064ꙩ071	Effect 8
			072ꙩ079	Effect 9
			080ꙩ087	Effect 10
			088ꙩ095	Effect 11
			096ꙩ103	Effect 12
			104ꙩ111	Effect 13
			112ꙩ119	Effect 14
	19	**Movement Macros**	120ꙩ127	Effect 15
			128ꙩ135	Effect 16
			136ꙩ143	Effect 17
			144ꙩ151	Effect 18
			152ꙩ159	Effect 19
			160ꙩ167	Effect 20
			168ꙩ175	Effect 21
			176ꙩ183	Effect 22
			184ꙩ191	Effect 23
			192ꙩ199	Effect 24
			200ꙩ207	Effect 25
			208ꙩ215	Effect 26
			216ꙩ223	Effect 27
			224ꙩ231	Effect 28
			232ꙩ239	Effect 29
			240ꙩ247	Effect 30
			248ꙩ255	Effect 31

DMX Values (Cont.)

21CH (Cont.)	Channel	Function	Value	Percent/Setting
	20	**Movement Macro Speed**	000⚊255	0–100%
	21	**Control**	000⚊007	No function
			008⚊015	Blackout during pan/tilt (3 sec hold)
			016⚊023	Blackout while color wheel moving (3 sec hold)
			024⚊031	Blackout while gobo wheels moving (3 sec hold)
			032⚊039	Disable pan/tilt blackout (3 sec hold)
			040⚊047	Disable color wheel blackout (3 sec hold)
			048⚊055	Disable gobo wheel blackout (3 sec hold)
			056⚊095	No function
			096⚊103	Pan reset
			104⚊111	Tilt reset
			112⚊119	Color wheel reset
			120⚊127	Gobo wheel reset
			128⚊135	Gobo rotation reset
			136⚊143	Prism reset
			144⚊151	Focus reset
			152⚊159	All reset
			160⚊167	Iris reset
			168⚊239	No function
			240⚊247	Pan/Tilt movement ramp speed, increase on
			248⚊255	Pan/Tilt movement ramp speed, increase off

18CH	Channel	Function	Value	Percent/Setting
	1	**Pan**	000⚊255	0–100%
	2	**Fine Pan**	000⚊255	0–100%
	3	**Tilt**	000⚊255	0–100%
	4	**Fine Tilt**	000⚊255	0–100%
	5	**Pan/Tilt Speed**	000⚊255	0–100%
	6	**Dimmer**	000⚊255	0–100%
	7	**Shutter**	000⚊003	Closed
			004⚊007	Open
			008⚊076	Slow to fast
			077⚊145	Pulse effect from slow to fast
			146⚊215	Random effect from slow to fast
			216⚊255	Open

DMX Values (Cont.)

18CH (Cont.)	Channel	Function	Value	Percent/Setting
	8	**Color Wheel 2**	000⊚007	Open
			008⊚015	Yellow
			016⊚023	Light blue
			024⊚031	Green
			032⊚039	Red
			040⊚047	Magenta
			048⊚055	Dark blue
			056⊚063	Orange
			064⊚127	Split colors
			128⊚191	Clockwise color scroll, slow to fast
			192⊚255	Counter-clockwise color scroll, slow to fast
	9	**Color Wheel 1**	000⊚007	Open
			008⊚015	CTO 3200 K
			016⊚023	CTO 5600 K
			024⊚031	Green
			032⊚039	UV
			040⊚047	Orange
			048⊚055	Pink
			056⊚063	Light blue
			064⊚127	Split colors
			128⊚191	Clockwise color scroll, slow to fast
			192⊚255	Counter-clockwise color scroll, slow to fast
	10	**Gobo Wheel 1**	000⊚007	Open
			008⊚015	Gobo 1
			016⊚023	Gobo 2
			024⊚031	Gobo 3
			032⊚039	Gobo 4
			040⊚047	Gobo 5
			048⊚055	Gobo 6
			056⊚063	Gobo 7
			064⊚119	Gobo shake 1–7, slow to fast
			120⊚127	Open
			128⊚191	Clockwise gobo scroll, slow to fast
			192⊚255	Counter-clockwise gobo scroll, slow to fast
	11	**Gobo Wheel 1 Rotate**	000⊚063	Gobo index
			064⊚147	Clockwise rotation, slow to fast
			148⊚231	Counter-clockwise rotation, slow to fast
			232⊚255	Boomerang effect, slow to fast

DMX Values (Cont.)

18CH (Cont.)	Channel	Function	Value	Percent/Setting
	12	Gobo Wheel 2	000–006	Open
			007–013	Gobo 1
			014–020	Gobo 2
			021–027	Gobo 3
			028–034	Gobo 4
			035–041	Gobo 5
			042–048	Gobo 6
			049–055	Gobo 7
			056–063	Gobo 8
			064–120	Gobo shake 1–8, slow to fast
			121–127	Open
			128–191	Clockwise gobo scroll, slow to fast
			192–255	Counter-clockwise gobo scroll, slow to fast
	13	Focus	000–255	0–100%
	14	Prism	000–004	No function
			005–255	Prism insert
	15	Prism Rotate	000–127	Prism index
			128–189	Counter-clockwise rotation, fast to slow
			190–193	Stop
			194–255	Clockwise rotation, slow to fast
	16	Iris	000–063	Wide to narrow
			064–127	Iris effect, slow to fast
			128–191	Iris effect, in slow, out fast
			192–255	Iris effect, out slow, in fast
	17	Frost	000–007	No function
			008–255	Frost effect
	18	Control	000–007	No function
			008–015	Blackout during pan/tilt (3 sec hold)
			016–023	Blackout while color wheel moving (3 sec hold)
			024–031	Blackout while gobo wheels moving (3 sec hold)
			032–039	Disable pan/tilt blackout (3 sec hold)
			040–047	Disable color wheel blackout (3 sec hold)
			048–055	Disable gobo wheel blackout (3 sec hold)
			056–095	No function
			096–103	Pan reset
			104–111	Tilt reset
			112–119	Color wheel reset
			120–127	Gobo wheel reset
			128–135	Gobo rotation reset
			136–143	Prism reset
			144–151	Focus reset
			152–159	All reset
			160–167	Iris reset
			168–239	No function
			240–247	Pan/Tilt movement ramp speed, increase on
			248–255	Pan/Tilt movement ramp speed, increase off

5. TECHNICAL INFORMATION

Product Maintenance

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.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external vents.
4. 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 allow the cooling fans to spin while blowing compressed air into the fixture.

6. TECHNICAL SPECIFICATIONS

Dimensions and Weight	Length	Width	Height	Weight
	16.1 in (409 mm)	13.5 in (343 mm)	19.25 in (489 mm)	47.8 lb (21.7 kg)
	Note: Dimensions in inches rounded to the nearest hundredth.			

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	517 W	437 W
	Current	4.31 A	1.9 A
	Power linking current (products)	13.6 A (6 products)	13.6 A (7 products)
	Fuse	F 7 A, 250 V	F 7 A, 250 V

	Power I/O	U.S./Canada	Worldwide
	Power input connector	Neutrik powerCON A	Neutrik powerCON A
	Power cord plug	Edison (U.S.)	Local plug

Light Source	Type	Power	Lifespan
	LED	300 W	50,000 hours

Photometrics	Parameter	Standard Optics
	Illuminance @ 5 m	9,030 lux
	Beam angle	16.5°

Gobo Dimensions	Gobo Wheel 1 Outside Diameter	Image Diameter	Max. Thickness
	28.8 mm (Aluminum)	23.8 mm (Aluminum)	0.5 mm (Aluminum)
	27 mm (Glass)	24 mm (Glass)	1.1–3 mm (Glass)

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	18 or 21

Ordering	Product Name	Item Code	UPC Number
	ROGUE2XSPOT	08011397	781462217457

RoHS ♻ CE MET ® cus UL 1573 CSA C22.2 No. 166 E113093

Photometrics Chart

Distance	Beam Diameter	Field Diameter		Footcandle	
15 ft	4.35 ft	4.35 ft		1,003	
20 ft	5.80ft	5.80ft		564	
30 ft	8.70ft	8.70ft		251	
40 ft	11.60 ft	11.60 ft		141	
50 ft	14.50 ft	14.50 ft		90	
75 ft	21.75 ft	21.75 ft		40	
100 ft	29.00 ft	29.00 ft		23	
125 ft	36.25 ft	36.25 ft		14	
150 ft	43.50 ft	43.50 ft		10	

Light Source 16.5°

Field   Beam   Field
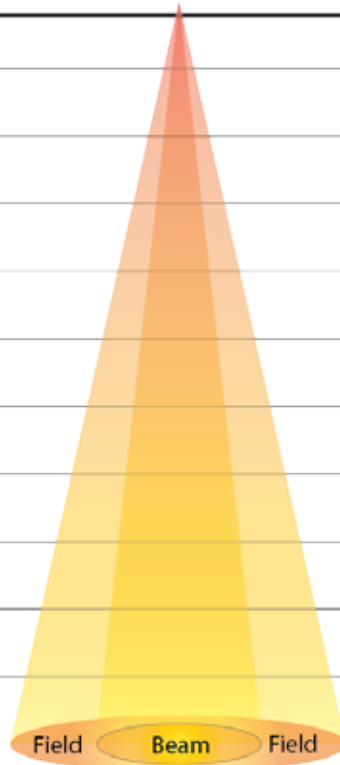
Distance	Beam Diameter	Field Diameter		Lux	
1 m	0.29 m	0.29m		225,750	
2 m	0.58 m	0.58m		56,438	
5 m	1.45 m	1.45 m		6,271	
8 m	2.32 m	2.32 m		3,527	
10 m	2.90 m	2.90 m		2,258	
15 m	4.35 m	4.35 m		1,003	
20 m	5.80 m	5.80 m		564	
25 m	7.25 m	7.25 m		361	
30 m	8.70 m	8.70 m		251	

Light Source 16.5°

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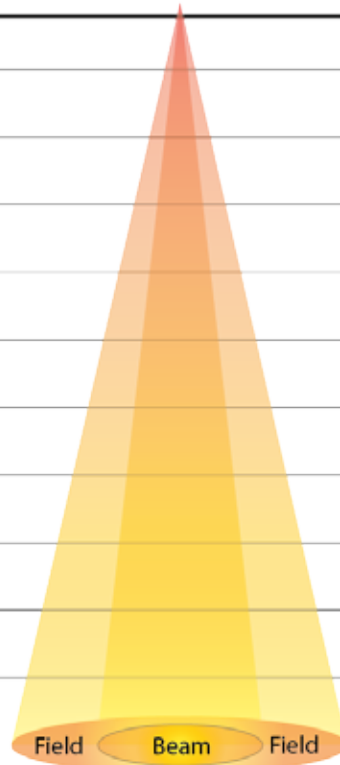
Returns You must send the product prepaid, in the original box, and with the original packing and accessories. Chauvet will not issue call tags.

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 label.

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.