MAVERICK FORCE

s SPOT

Model ID: MAVERICKFORCESSPOT

CHAUVET
PROFESSIONAL

Edition Notes

The Maverick Force s Spot User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the Maverick Force s Spot as of the release date of this edition.

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Document Printing

For best results, print this document in color, on letter size paper (8.5 x 11 in), double-sided. If using A4 paper (210 x 297 mm), configure the printer to scale the content accordingly.

Intended Audience

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

Disclaimer

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Document Revision

This Maverick Force s Spot User Manual is the 1st edition of this document. Go to www.chauvetprofessional.com for the latest version.

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1. Before You Begin

What Is Included

- Maverick Force s Spot
- Seetronic Powerkon IP65 power cord
- 2 Omega brackets with mounting hardware
- Quick Reference Guide

Claims

Carefully unpack the product immediately and check the container 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.

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

Symbols

Symbol	Meaning
⚠	Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
ⓘ	Important installation or configuration information. The product may not function correctly if this information is not used.
📝	Useful information.

⚠ **Any reference to data or power connections in this manual assumes the use of Seetronic IP-rated cables.**

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

FCC Compliance

This device complies with Part 15 Part B of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Warning for North America and Australia

Warning! This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Safety Notes

Read all the following safety notes before working with this product. These notes contain 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, 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 the product from the power source before cleaning or replacing the fuse.
- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Do not touch the product's housing when operating because it may be very hot.

Mounting and Rigging

- The product is intended for professional use only.
- 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.
- The product should be positioned so that prolonged staring into it at a distance closer than 2.3 m is not expected.
- Make sure there are no flammable materials close to this product while it is operating.
- When hanging this product, always secure to a fastening device using a safety cable.
- Never carry the product by the power cord.

Power and Wiring

- Make sure the power cord is not crimped or damaged.
- Ensure that the product is connected to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- 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 dimmer pack or rheostat.
- Make sure to replace the fuse with another of the same type and rating.
- Never disconnect this product by pulling or tugging on the power cable.
- If the external flexible cable or cord of this product is damaged, it shall be replaced with a special cable or cord exclusively available from the manufacturer or its service agent.
- The light source contained in this luminaire shall only be replaced by the manufacturer, its service agent, or a similarly qualified person.

Operation

- Do not operate this product if there is damage on the housing, lenses, or cables. Have the damaged parts replaced by an authorized technician at once.
- Do not cover the ventilation slots when operating to avoid internal overheating.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate the product at higher temperatures.
- The minimum startup temperature is -4°F (-20°C). Do not start the product at lower temperatures.
- The minimum ambient temperature is -22°F (-30°C). Do not operate the product at lower temperatures.
- In the event of a serious operation problem, stop using this product immediately!

📝 **If your Chauvet product requires service, contact Chauvet Technical Support.**

Expected LED Lifespan

Over time, use and heat will gradually reduce LED brightness. Clustered LEDs produce more heat than single LEDs, contributing to shorter lifespans if always used at full intensity. The average LED lifespan is 40,000 to 50,000 hours. To extend LED lifespan, maintain proper ventilation around the product, and limit the overall intensity.

2. Introduction

Features

- Fully featured, compact and lightweight 315 W LED yoke spot fixture including CMY color mixing, a color wheel, zoom optics, and two gobo wheels—one rotating and one static
- 16-bit dimming of master dimmer for smooth control of fades
- Variable CMY color mixing system to create a wide pallet of colors
- DMX, WDMX, sACN, and Art-Net for full flexibility of control options
- RDM enabled for remote addressing and trouble shooting
- 4.1° to 43.1° zoom range for variable beam sizes
- Iris, 5-facet prism, and frost for beam control
- True-1-compatible power input
- Three setup menu presets and preset sync for cross loading to multiple like fixtures for easy shop setup
- USB slot for software uploads
- Battery backup display with auto-rotate depending on fixture orientation

Product Overview

Product Dimensions

14.2 in
360 mm

10.8 in
275 mm

17.4 in
443 mm

25.1 in
636 mm

13.4 in
340 mm

4.4 in
113 mm

12.2 in
310 mm

9.2 in
234 mm

8.9 in
225 mm

17.5 in
443 mm

20.4 in
518 mm

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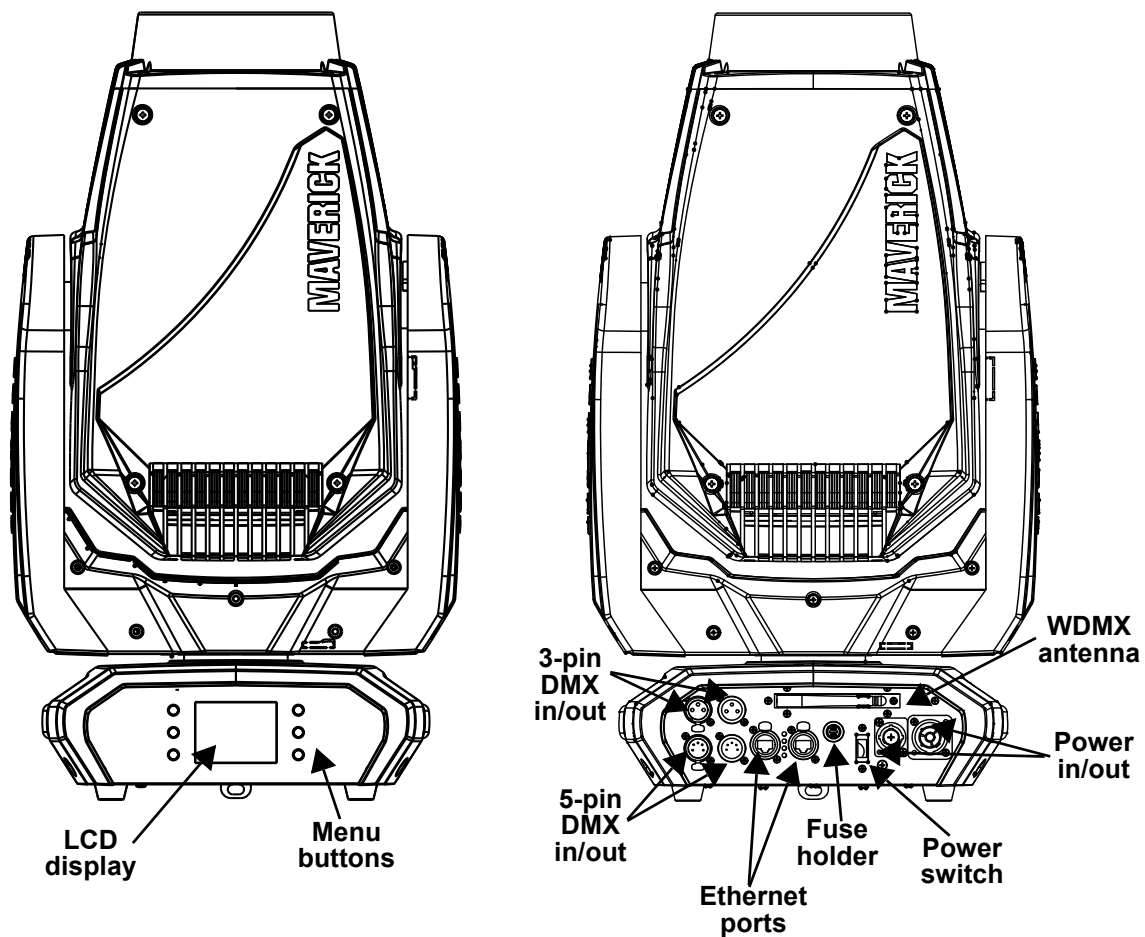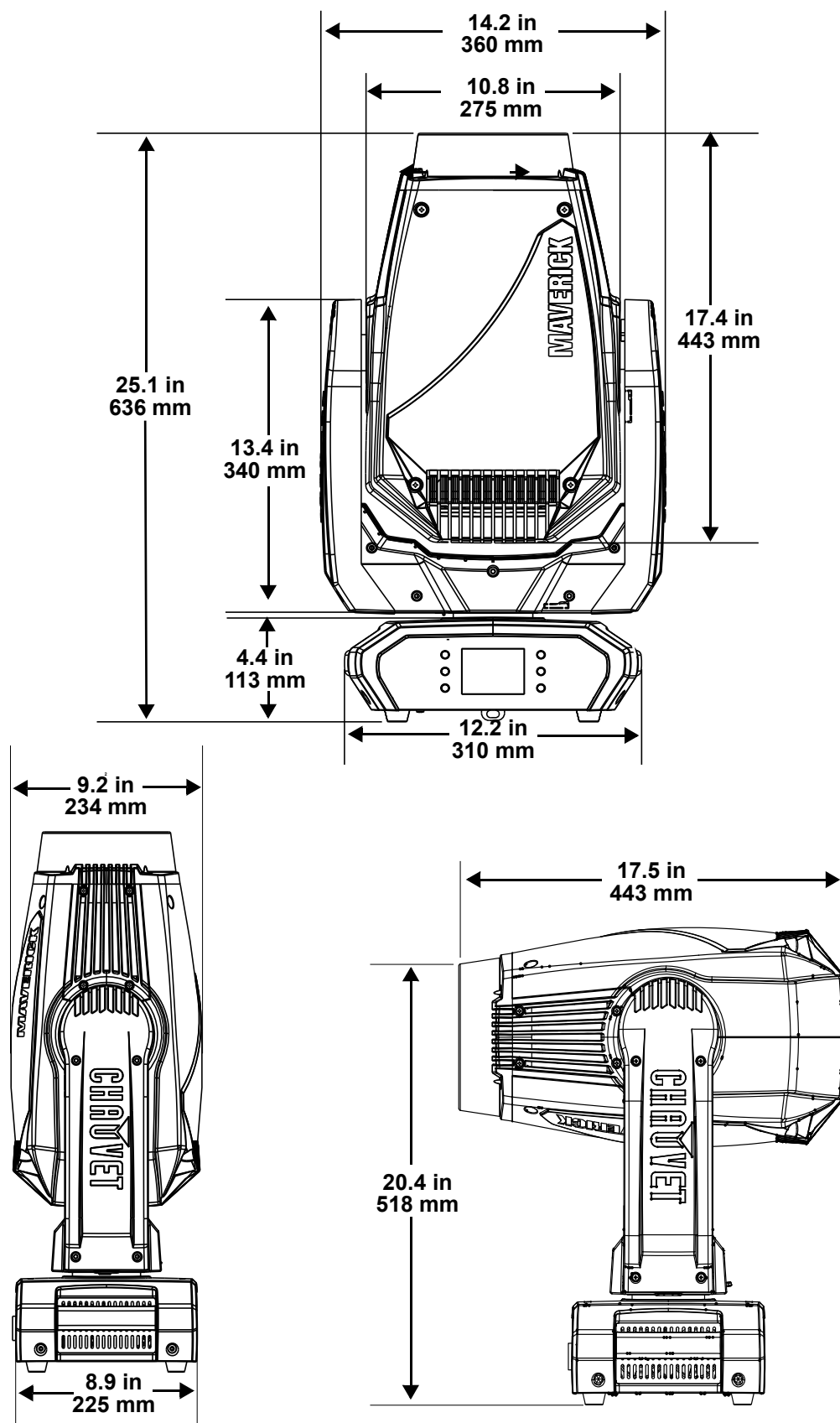
3. Setup

AC Power

The Maverick Force s Spot has an auto-ranging power supply, and it can work with an input voltage range of 100 to 240 V~, 50/60 Hz.

To determine the product's power requirements (e.g., circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.

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

> ⓘ **Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.**

Power Linking

It is possible to link up to 2 Maverick Force s Spot products at 100 V, 2 products at 120 V, 5 products at 208 V, 5 products at 230 V, or 5 products at 240 V. Never exceed this number. Power-linking cords can be purchased separately.

AC Plug

The Maverick Force s Spot comes with a power input cord terminated with a Seetronic Powerkon IP65 connector on one end and an Edison plug on the other end (U.S. market). If the power input cord that came with the product has no plug, or if the plug needs to be changed, 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 10 A, 250 V).
4. Screw the fuse holder cap back in place and reconnect power.

Remote Device Management (RDM)

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 Maverick Force s Spot supports RDM protocol that allows feedback to make changes to menu map options.

USB Software Update

The Maverick Force s Spot allows for software update through USB using the built-in USB port. To update the software using the USB flash drive, do the following:

1. Power on the fixture and plug the flash drive into the USB port.
2. Once the flash drive has been detected, the message "Upgrade Firmware" will be displayed. Press <**ENTER**>. If a different message appears on the display, search for the updated software in the **Menu (Updated Firmware)**. A list of the updated software files will be displayed.
3. Select the file that needs to be uploaded. The message "Are you sure?" will be displayed. Press <**ENTER**>.
4. If the selected file is correct, the update will be completed. Restart fixture.
   If the selected file is incorrect, the update will fail, and the display will go back to the main interface. Repeat steps 1–3 using the correct file.

> 📝 **The .chl format file needs to be placed in the MAVERICK folder in the USB flash drive.**

Mounting

Before mounting the product, read and follow the safety recommendations indicated in 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, making sure there is adequate room for ventilation, configuration, and maintenance.

Rigging

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

- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure onto which you are mounting the product can support the product's weight. See the Technical Specifications for weight information.
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.

Procedure

The Maverick Force s Spot comes with two Omega brackets to which you can attach a mounting clamp directly. Mounting clamps are sold separately. Make sure the clamps are capable of supporting the weight of this product. Use at least two mounting points per product. For the CHAUVET Professional line of mounting clamps, go to http://www.trusst.com/products.

Mounting Diagram
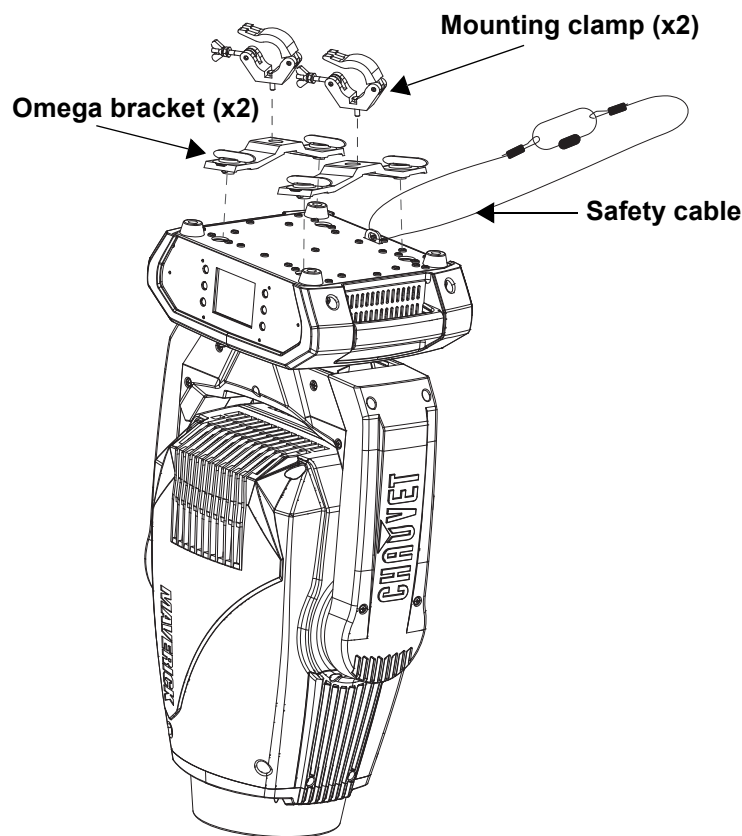
Overhead Mounting
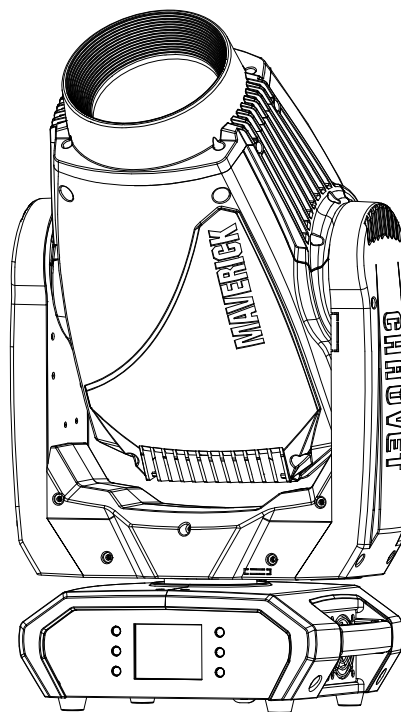
Floor Mounting

Signal Connections

The Maverick Force s Spot can receive a DMX, Art-Net™, or sACN, signal. The Maverick Force s Spot has 2 Amphenol XLRnet through ports, and 3- and 5-pin DMX in and out ports. If using other compatible products with this product, you can control each individually with a single controller.

Control Personalities

The Maverick Force s Spot uses a 3 or 5-pin DMX data connection, WDMX, Art-Net™, or sACN for its two control personalities: **Dmx Mode 22 CH** and **Dmx Mode 29 CH**.

- Refer to the Operation chapter to learn how to configure the Maverick Force s Spot to work in these personalities.
- The Control Channel Assignments and Values section provides detailed information regarding the control personalities.

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

DMX Linking

You can link the Maverick Force s Spot to a DMX controller using a 3 or 5-pin DMX connection or a WDMX connection. For more information about DMX, read the DMX primer at:
https://www.chauvetprofessional.com/wp-content/uploads/2016/06/DMX_Primer.pdf.

Art-Net™ Connection

Art-Net™ is an Ethernet protocol that uses TCP/IP that transfers a large amount of DMX512 data using an Amphenol XLRnet RJ45 connection over a large network. An Art-Net™ protocol document is available from www.chauvetprofessional.com.
Art-Net™ designed by and copyright Artistic Licence Holdings Ltd.

sACN Connection

Streaming ACN, also known as ANSI E1.31, is an Ethernet protocol that uses the layering and formatting of Architecture for Control Networks to transport DMX512 data over IP or any other ACN-compatible network.

Connection Diagram

Switch or Router

Maverick Force s Spot

Computer/ Controller
(running Art-Net™ or sACN protocol)

To other Art-Net™ or sACN devices
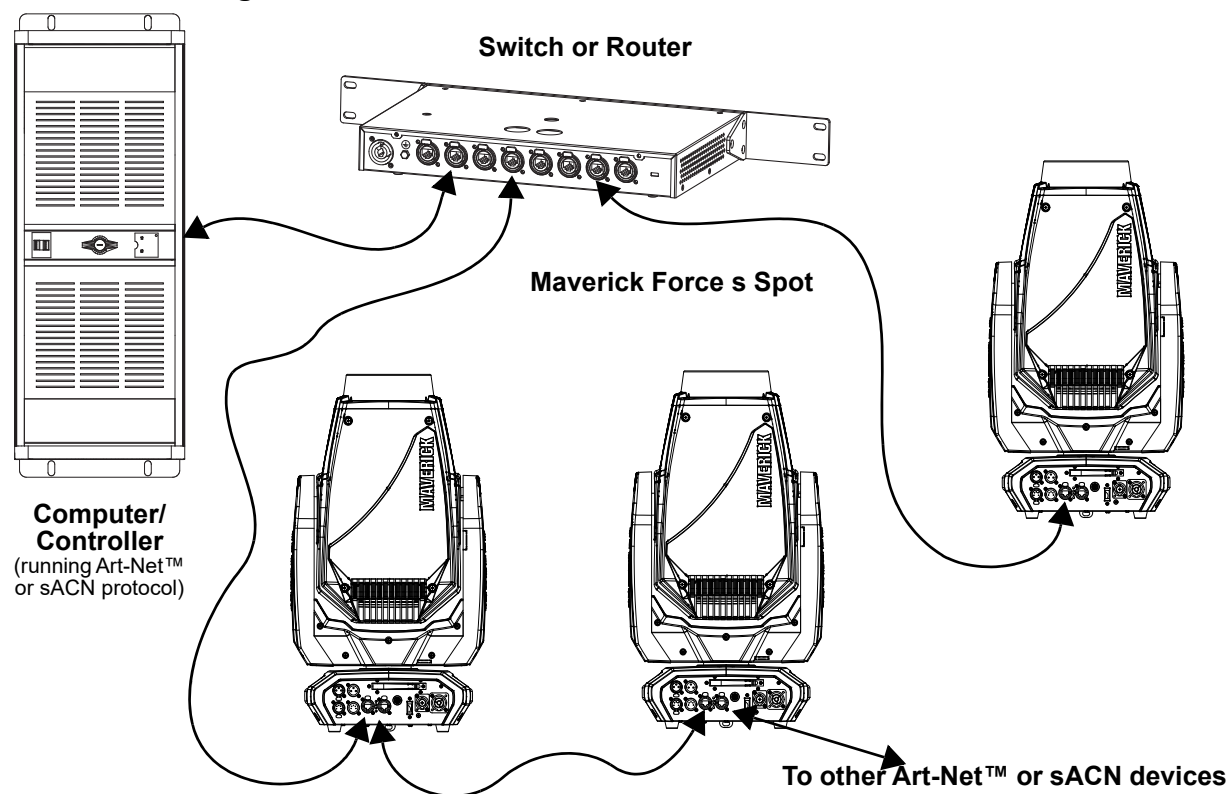
The three LED indicators in between the Ethernet through ports indicate a connection to a network and activity on that network. They do not indicate whether or not the Maverick Force s Spot is receiving a signal from a controller.

4. Operation

Touchscreen Control Panel

The Maverick Force s Spot has a touchscreen display and six control buttons. Navigate the menu structure by pressing the buttons, touching the images of the buttons on the sides of the display, or touching the desired menu option on the display directly. The touchscreen can be locked and calibrated through the Setup options in the menu (see Touchscreen Calibration and Touchscreen Lock).

Control Panel Description

Button	Function
⇧	Navigates upwards through the menu list or increases the numeric value when in a function
☰	Exits from the current menu or function
⇩	Navigates downwards through the menu list or decreases the numeric value when in a function
⇦	Navigates leftwards through the menu list
↵	Enables the currently displayed menu or sets the currently selected value into the selected function
⇨	Navigates rightwards through the menu list

Battery-Powered Display

The Maverick Force s Spot has a battery-powered display that enables access to the menu when the product is powered off. Press and hold **<MENU>** until the display activates (approximately 15 seconds).
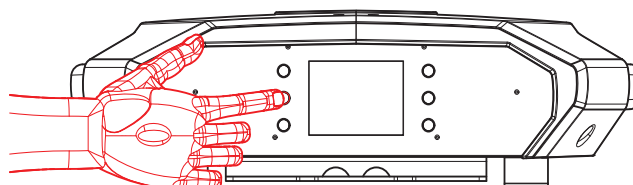
Home Screen

The Maverick Force s Spot has a home screen that shows the current control protocols, personalities, starting addresses, IP addresses, and universes. To see the home screen, press **<MENU>** repeatedly until it shows on the display. From the home screen, touch any of the displayed control settings to immediately jump to that part of the menu, such as the personality, starting address, or universe, or press **<ENTER>** to reach the main menu.

Control Panel Lock

The setting locks or unlocks the control panel.
1. Go to the **Settings** main level.
2. Select the **Lock Screen** option.
3. Select **NO** (control panel stays unlocked) or **YES** (locks control panel).

> **When the control panel lock is activated, the product will prompt for the passcode in order to access the menu. Enter the passcode: 2323**

Technician Mode

The technician mode disables the pan and tilt motors, allowing the output of the product to be aimed by hand. To enable the technician mode of the Maverick Force s Spot, hold **<UP>** and **<LEFT>** while the product is powering on. When the product is turned off and back on, the pan and tilt will return to normal function.
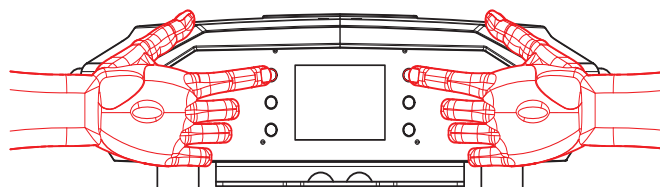
Menu Map

Refer to the Maverick Force s Spot product page on www.chauvetprofessional.com for the latest menu map.

Main Level	Programming Levels		Description
Address	**001–512**		Sets the starting address
Network Setup	**IP Mode**	**Manual**	Manually set IP address
		DHCP	Network sets IP address
		Static	Product sets IP address
	Universe	**000–255** (Art-Net™) **001–256** (sACN)	Sets the universe
	Ip	002._ _ _·_ _ _·_ _ _	Sets the IP address in Manual mode
	SubMask	_ _ _·_ _ _·_ _ _·_ _ _	Sets the Subnet Mask in Manual mode
Personality	**Dmx Mode 22 CH**	YES	Selects the 22-channel mode
		NO	
	Dmx Mode 29 CH	YES	Selects the 29-channel mode
		NO	
Settings	**Control Mode**	DMX	Sets the control protocol
		WDMX	
		ArtNet	
		sACN	
	Pan Reverse	NO	Normal pan
		YES	Reversed pan
	Tilt Reverse	NO	Normal tilt
		YES	Reversed tilt
	Screen Reverse	NO	Normal display
		YES	Inverted display
		AUTO	Automatic display orientation
	Pan Angle	540	540° pan range
		360	360° pan range
		180	180° pan range
	Tilt Angle	270	270° tilt range
		180	180° tilt range
		90	90° tilt range
	BL. O. P/T Move	NO	Do not black out while panning/tilting
		YES	Blackout while panning/tilting
	BL. O. Color Move	NO	Do not black out while color wheel moving
		YES	Blackout while color wheel moving
	BL. O. Gobo Move	NO	Do not black out while gobo wheels moving
		YES	Blackout while gobo wheels moving
	Calibration	NO	Calibration disabled
		YES	Calibration enabled
	Touchscreen Lock	NO	Touchscreen enabled
		YES	Touchscreen disabled

Main Level	Programming Levels		Description
Settings (cont.)	**Lock Screen**	NO	Lock the buttons and touch screen. Passcode: 2323
		YES	
	Swap XY	NO	Do not swap pan and tilt
		YES	Pan controls tilt, tilt controls pan
	WDMX Reset	NO	Do not reset WDMX
		YES	Reset WDMX
	Backlight Timer	30S	Display turns off after 30 seconds
		1M	Display turns off after 1 minute
		5M	Display turns off after 5 minutes
		ON	Display stays on
	Loss of Data	Hold	Holds last signal received
		Close	Blacks out fixture
	Fans	Auto	Fan speed according to product temperature
		Full	Fan speed set on high
		ECO	Quiet mode
		TV25	Maintains LED output up to an ambient temperature of 77 °F (25 °C) (**TV25**) or 95 °F (35 °C) (**TV35**).
		TV35	When using these fan modes, please set the **PWM Options** to **6000Hz** or **15000Hz** to prevent any possible harmonization noise.
	Dimmer Curve	Linear Square I Squa SCurve Linear2	Set the dimmer curve
	PWM Option	600Hz 1200Hz 4000Hz 6000Hz 15000Hz	Sets the Pulse Width Modulation frequency
	LED Power	64–255	Sets the maximum LED output
	Min. Zoom Focus	NO	Enables/disables minimum zoom focus
		YES	
	Preset Select	PRESET A PRESET B PRESET C	Recorded preset menu options
	Preset Sync	NO	Allows recorded preset menu options to be transferred to other Maverick Force s Spot fixtures in the DMX daisy chain
		YES	

Main Level	Programming Levels		Description
Settings (cont.)	**USB Update**	**NO**	Enables/disables software update using USB
		YES	
	Reset Function	**Pan/Tilt** **Iris/Prism** **Color/CMY** **Gobo/Gobo Rotate** **Frost** **All**	**NO/YES**	Reset individual functions or all functions from start-up
	Factory Settings	**NO**	Reset to factory default settings
		YES	
Test	**Auto Test**		Auto test all functions
	Manual Test	**Pan** **Pan Fine** **Tilt** **Tilt Fine** **P/T Speed** **Dimmer** **Dimmer Fine** **Shutter** **Virtual Shaking** **Cyan** **Magenta** **Yellow** **Color** **Gobo** **Gobo Rotate** **Gobo Index** **Gobo2** **Focus** **Focus Fine** **Focus Auto** **Zoom** **Zoom Fine** **Prism** **Prism Rotate** **Iris** **Frost** **CMY Macro** **CMY Macro Speed** **Special Function**	**000–255**	Manually control and test all settings through the control panel

Main Level	Programming Levels		Description
Information	**Fixture Information**	**Ver** / V_	Shows firmware version
		Running Mode / _ _ _	Shows current running mode
		DMX Address / _ _ _	Shows current starting address
		Temperature / _ _ _	Shows current product temperature in °C
		Fixture Hours / _ _ _ _ _	Shows number of hours product has been powered on
		Ip / _ _ _ _ _ _ _ _	Shows current IP address
		SubMask / _ _ _ _ _ _ _ _	Shows current Subnet Mask
		MAC / _ _ _ _ _ _ _ _	Shows current MAC address
	Fan Information	**Head Fan1 Speed** / _ _ _ _	Shows speed of head fans in rpm
		Head Fan2 Speed / _ _ _ _	
		Base Fan1 Speed / _ _ _ _	
		Base Fan2 Speed / _ _ _ _	
	Error Information / _ _ _ _ _		Shows any errors, or No Error!
	Channel Information	**Pan** **Pan Fine** **Tilt** **Tilt Fine** **P/T Speed** **Dimmer** **Dimmer Fine** **Shutter** **Virtual Shaking** **Cyan** **Magenta** **Yellow** **Color** **Gobo** **Gobo Rotate** **Gobo Index** **Gobo2** **Focus** **Focus Fine** **Focus Auto** **Zoom** **Zoom Fine** **Prism** **Prism Rotate** **Iris** **Frost** **CMY Macro** **CMY Macro Speed** **Special Function** / **000–255**	Shows all current values from input signals

Control Channel Assignments and Values
Dmx Mode 29 CH

Channel	Function	Value	Percent/Setting
1	**Pan**	000 ⇔ 255	0–100%
2	**Pan fine**	000 ⇔ 255	Fine control (16-bit)
3	**Tilt**	000 ⇔ 255	0–100%
4	**Fine tilt**	000 ⇔ 255	Fine control (16-bit)
5	**Pan/tilt speed**	000 ⇔ 255	Fast to slow
6	**Dimmer**	000 ⇔ 255	0–100%
7	**Dimmer fine**	000 ⇔ 255	Fine control (16-bit)
8	**Strobe**	000 ⇔ 003	Closed
		004 ⇔ 007	Open
		008 ⇔ 076	Synchronized strobe, slow to fast
		077 ⇔ 145	Pulse strobe, slow to fast
		146 ⇔ 215	Random strobe, slow to fast
		216 ⇔ 255	Open
9	**Virtual strobe**	000 ⇔ 001	Open
		002 ⇔ 128	Shaking effect, slow to fast
		129 ⇔ 255	Fading effect, slow to fast
10	**Cyan**	000 ⇔ 255	0–100%
11	**Magenta**	000 ⇔ 255	0–100%
12	**Yellow**	000 ⇔ 255	0–100%
13	**Color wheel** (see Color Wheel)	000 ⇔ 006	Open
		007 ⇔ 013	Red
		014 ⇔ 020	Orange
		021 ⇔ 027	Green
		028 ⇔ 034	Magenta
		035 ⇔ 041	UV
		042 ⇔ 048	CRI
		049 ⇔ 059	CTB
		060 ⇔ 187	Color wheel index
		188 ⇔ 219	Reverse color scroll, fast to slow
		220 ⇔ 223	Stop
		224 ⇔ 255	Color scroll, slow to fast
14	**Gobo wheel 1 (rotating)** (see Gobo Designs)	000 ⇔ 007	Open
		008 ⇔ 015	Gobo 1 (sail boats)
		016 ⇔ 023	Gobo 2 (radial dot)
		024 ⇔ 031	Gobo 3 (bar)
		032 ⇔ 039	Gobo 4 (bolts)
		040 ⇔ 047	Gobo 5 (shower glass)
		048 ⇔ 055	Gobo 6 (ballistic clouds)
		056 ⇔ 063	Gobo 7 (four eyes)
		064 ⇔ 071	Gobo 7 shaking
		072 ⇔ 079	Gobo 6 shaking
		080 ⇔ 087	Gobo 5 shaking
		088 ⇔ 095	Gobo 4 shaking
		096 ⇔ 103	Gobo 3 shaking
		104 ⇔ 111	Gobo 2 shaking
		112 ⇔ 119	Gobo 1 shaking
		120 ⇔ 127	Open
		128 ⇔ 191	Gobo scroll, slow to fast
		192 ⇔ 255	Reverse gobo scroll, slow to fast

Channel	Function	Value	Percent/Setting
15	**Gobo 1 rotation**	000 ⇔ 063	Rotating gobo index
		064 ⇔ 145	Gobo rotation, fast to slow
		146 ⇔ 149	Stop
		150 ⇔ 231	Reverse gobo rotation, slow to fast
		232 ⇔ 255	Bounce effect, short to long
16	**Fine gobo 1 rotation**	000 ⇔ 255	Fine control (16-bit)
17	**Gobo wheel 2 (static)** (see Gobo Designs)	000 ⇔ 005	Open
		006 ⇔ 011	Gobo 1 (beam)
		012 ⇔ 017	Gobo 2 (bars)
		018 ⇔ 023	Gobo 3 (circles)
		024 ⇔ 029	Gobo 4 (breakup)
		030 ⇔ 035	Gobo 5 (dots)
		036 ⇔ 041	Gobo 6 (circuits)
		042 ⇔ 047	Gobo 7 (triangles)
		048 ⇔ 053	Gobo 8 (forest)
		054 ⇔ 063	Gobo 9 (rainbows)
		064 ⇔ 069	Gobo 9 shaking
		070 ⇔ 075	Gobo 8 shaking
		076 ⇔ 081	Gobo 7 shaking
		082 ⇔ 087	Gobo 6 shaking
		088 ⇔ 093	Gobo 5 shaking
		094 ⇔ 099	Gobo 4 shaking
		100 ⇔ 105	Gobo 3 shaking
		106 ⇔ 111	Gobo 2 shaking
		112 ⇔ 117	Gobo 1 shaking
		118 ⇔ 127	Open
		128 ⇔ 191	Gobo scroll, slow to fast
		192 ⇔ 255	Reverse gobo scroll, slow to fast
18	**Focus**	000 ⇔ 255	0–100%
19	**Focus fine**	000 ⇔ 255	Fine control (16-bit)
20	**Auto focus**	000 ⇔ 010	No function
		011 ⇔ 030	0–5 m auto focus
		031 ⇔ 050	6 m auto focus
		051 ⇔ 070	7 m auto focus
		071 ⇔ 090	8 m auto focus
		091 ⇔ 110	9 m auto focus
		111 ⇔ 130	10 m auto focus
		131 ⇔ 150	12.5 m auto focus
		151 ⇔ 170	15 m auto focus
		171 ⇔ 190	17.5 m auto focus
		191 ⇔ 210	20–60 m auto focus
		211 ⇔ 255	Auto-detect distance
21	**Zoom**	000 ⇔ 255	0–100%
22	**Fine zoom**	000 ⇔ 255	Fine control (16-bit)
23	**Prism**	000 ⇔ 004	No function
		005 ⇔ 255	Prism effect
24	**Prism rotation**	000 ⇔ 127	Prism index
		128 ⇔ 189	Prism rotation, fast to slow
		190 ⇔ 193	Stop
		194 ⇔ 255	Reverse prism rotation, slow to fast
25	**Iris**	000 ⇔ 063	0–100%
		064 ⇔ 127	Auto change, slow to fast
		128 ⇔ 191	Slow expand, fast shrink (slow to fast)
		192 ⇔ 255	Slow shrink, fast expand (slow to fast)

Channel	Function	Value	Percent/Setting
26	**Frost**	000 ⇔ 255	0–100%
27	**CMY macro**	000 ⇔ 009	Open
		010 ⇔ 020	Full CTO
		015 ⇔ 255	½ CTO
		021 ⇔ 255	CMY macro
28	**CMY macro speed**	000 ⇔ 255	CMY macro speed, fast to slow
29	**Control**	000 ⇔ 007	No function
		008 ⇔ 015	Pan tilt blackout
		016 ⇔ 023	Color blackout
		024 ⇔ 031	Gobo blackout
		032 ⇔ 039	Pan tilt/color blackout
		040 ⇔ 047	Pan tilt/gobo blackout
		048 ⇔ 055	Pan tilt/color/gobo blackout
		056 ⇔ 095	No function
		096 ⇔ 103	Pan reset
		104 ⇔ 111	Tilt reset
		112 ⇔ 119	Color reset
		120 ⇔ 127	Gobo reset
		128 ⇔ 131	High color temperature gobo on
		132 ⇔ 135	High color temperature gobo off
		136 ⇔ 143	Prism reset
		144 ⇔ 151	No function
		152 ⇔ 159	All reset
		160 ⇔ 167	Iris reset
		168 ⇔ 175	Frost reset
		176 ⇔ 183	Zoom reset
		184 ⇔ 191	CMY reset
		192 ⇔ 199	Fan ECO
		200 ⇔ 207	Fan full
		208 ⇔ 215	Fan auto
		216 ⇔ 217	Fan TV25
		218 ⇔ 220	Fan TV35
		221 ⇔ 225	Iris fast mode
		226 ⇔ 230	Iris smooth mode
		231 ⇔ 235	Pan tilt swap on
		236 ⇔ 240	Pan tilt swap off
		241 ⇔ 245	Min Zoom Focus on

Dmx Mode 22 CH

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Pan fine	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0–100%
4	Fine tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/tilt speed	000 ⇔ 255	Fast to slow
6	Dimmer	000 ⇔ 255	0–100%
7	Strobe	000 ⇔ 003	Off
		004 ⇔ 007	On
		008 ⇔ 076	Synchronized strobe, slow to fast
		077 ⇔ 145	Pulse strobe, slow to fast
		146 ⇔ 215	Random strobe, slow to fast
		216 ⇔ 255	Off
8	Virtual strobe	000 ⇔ 001	No function
		002 ⇔ 128	Shaking effect, slow to fast
		129 ⇔ 255	Fading effect, slow to fast
9	Cyan	000 ⇔ 255	0–100%
10	Magenta	000 ⇔ 255	0–100%
11	Yellow	000 ⇔ 255	0–100%
12	Color wheel (see Color Wheel)	000 ⇔ 006	Open
		007 ⇔ 013	Red
		014 ⇔ 020	Orange
		021 ⇔ 027	Green
		028 ⇔ 034	Magenta
		035 ⇔ 041	UV
		042 ⇔ 048	CRI
		049 ⇔ 059	CTB
		060 ⇔ 187	Color wheel index
		188 ⇔ 219	Reverse color scroll, fast to slow
		220 ⇔ 223	Stop
		224 ⇔ 255	Color scroll, slow to fast
13	Gobo wheel 1 (rotating) (see Gobo Designs)	000 ⇔ 007	Open
		008 ⇔ 015	Gobo 1 (sail boats)
		016 ⇔ 023	Gobo 2 (radial dot)
		024 ⇔ 031	Gobo 3 (bar)
		032 ⇔ 039	Gobo 4 (bolts)
		040 ⇔ 047	Gobo 5 (shower glass)
		048 ⇔ 055	Gobo 6 (ballistic clouds)
		056 ⇔ 063	Gobo 7 (four eyes)
		064 ⇔ 071	Gobo 7 shaking
		072 ⇔ 079	Gobo 6 shaking
		080 ⇔ 087	Gobo 5 shaking
		088 ⇔ 095	Gobo 4 shaking
		096 ⇔ 103	Gobo 3 shaking
		104 ⇔ 111	Gobo 2 shaking
		112 ⇔ 119	Gobo 1 shaking
		120 ⇔ 127	Open
		128 ⇔ 191	Gobo scroll, slow to fast
		192 ⇔ 255	Reverse gobo scroll, slow to fast

Channel	Function	Value	Percent/Setting
14	**Gobo 1 rotation**	000 ⇔ 063	Rotating gobo index
		064 ⇔ 145	Gobo rotation, fast to slow
		146 ⇔ 149	Stop
		150 ⇔ 231	Reverse gobo rotation, slow to fast
		232 ⇔ 255	Bounce effect, short to long
15	**Gobo wheel 2 (static)** (see Gobo Designs)	000 ⇔ 005	Open
		006 ⇔ 011	Gobo 1 (beam)
		012 ⇔ 017	Gobo 2 (bars)
		018 ⇔ 023	Gobo 3 (circles)
		024 ⇔ 029	Gobo 4 (breakup)
		030 ⇔ 035	Gobo 5 (dots)
		036 ⇔ 041	Gobo 6 (circuits)
		042 ⇔ 047	Gobo 7 (triangles)
		048 ⇔ 053	Gobo 8 (forest)
		054 ⇔ 063	Gobo 9 (rainbows)
		064 ⇔ 069	Gobo 9 shaking
		070 ⇔ 075	Gobo 8 shaking
		076 ⇔ 081	Gobo 7 shaking
		082 ⇔ 087	Gobo 6 shaking
		088 ⇔ 093	Gobo 5 shaking
		094 ⇔ 099	Gobo 4 shaking
		100 ⇔ 105	Gobo 3 shaking
		106 ⇔ 111	Gobo 2 shaking
		112 ⇔ 117	Gobo 1 shaking
		118 ⇔ 127	Open
		128 ⇔ 191	Gobo scroll, slow to fast
		192 ⇔ 255	Reverse gobo scroll, slow to fast
16	**Focus**	000 ⇔ 255	0–100%
17	**Zoom**	000 ⇔ 255	0–100%
18	**Prism**	000 ⇔ 004	No function
		005 ⇔ 255	Prism effect
19	**Prism rotation**	000 ⇔ 127	Prism index
		128 ⇔ 189	Prism rotation, fast to slow
		190 ⇔ 193	Stop
		194 ⇔ 255	Reverse prism rotation, slow to fast
20	**Iris**	000 ⇔ 063	Large to small
		064 ⇔ 127	Auto change, slow to fast
		128 ⇔ 191	Slow expand, fast shrink (slow to fast)
		192 ⇔ 255	Slow shrink, fast expand (slow to fast)
21	**Frost**	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
		000 ⇔ 007	No function
		008 ⇔ 015	Pan tilt blackout
		016 ⇔ 023	Color blackout
		024 ⇔ 031	Gobo blackout
		032 ⇔ 039	Pan tilt/color blackout
		040 ⇔ 047	Pan tilt/gobo blackout
		048 ⇔ 055	Pan tilt/color/gobo blackout
		056 ⇔ 095	No function
		096 ⇔ 103	Pan reset
		104 ⇔ 111	Tilt reset
		112 ⇔ 119	Color reset
		120 ⇔ 127	Gobo reset
		128 ⇔ 131	High color temperature gobo on
		132 ⇔ 135	High color temperature gobo off
		136 ⇔ 143	Prism reset
22	**Control**	144 ⇔ 151	No function
		152 ⇔ 159	All reset
		160 ⇔ 167	Iris reset
		168 ⇔ 175	Frost reset
		176 ⇔ 183	Zoom reset
		184 ⇔ 191	CMY reset
		192 ⇔ 199	Fan ECO
		200 ⇔ 207	Fan full
		208 ⇔ 215	Fan auto
		216 ⇔ 217	Fan TV25
		218 ⇔ 220	Fan TV35
		221 ⇔ 225	Iris fast mode
		226 ⇔ 230	Iris smooth mode
		231 ⇔ 235	Pan tilt swap on
		236 ⇔ 240	Pan tilt swap off
		241 ⇔ 245	Min Zoom Focus on

Color Wheel
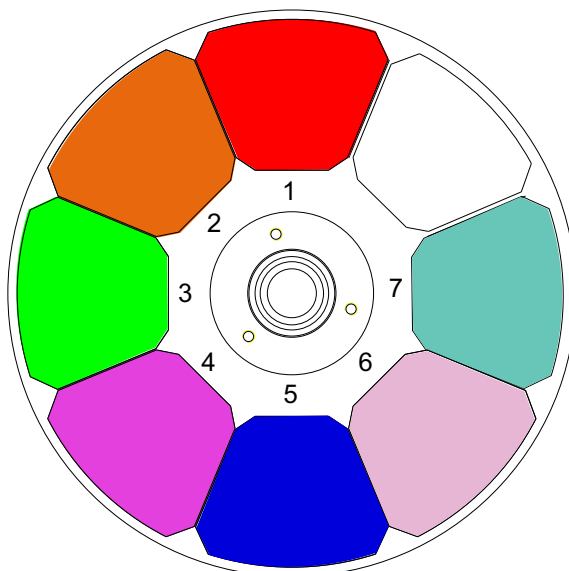
Gobo Designs

Gobo Wheel 1
Rotating gobo wheel
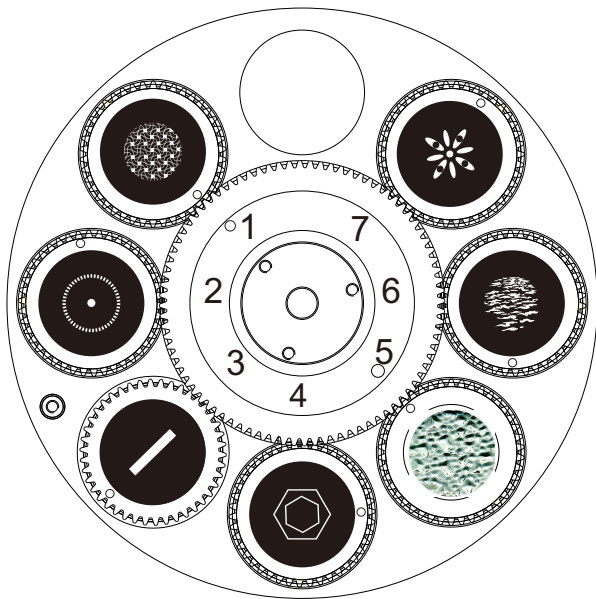
Gobo Wheel 2
Static gobo wheel

Gobo Wheel	Gobo #	Description	Gobo Wheel	Gobo #	Description
	1	Sail boats		1	Beam
	2	Radial dot		2	Bars
	3	Bar		3	Circles
1	4	Bolts		4	Breakup
	5	Shower glass	2	5	Dots
	6	Ballistic clouds		6	Circuits
	7	Four eyes		7	Triangles
				8	Forest
				9	Rainbows

Rotating Gobo Dimensions
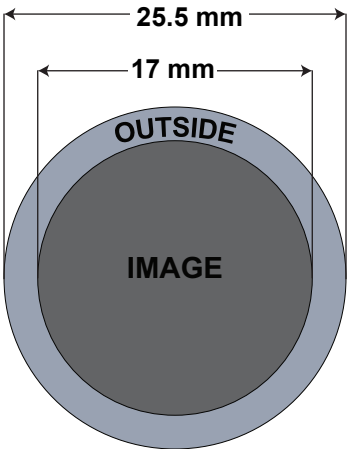
Configuration (DMX, Art-Net™, sACN)

Use control configurations to operate the product with a DMX, Art-Net™, or sACN controller.

Control Mode

The Maverick Force s Spot works with wired DMX, WDMX, Art-Net™, and sACN control signals. To select which protocol to use:
1. Go to the **Settings** main level.
2. Select the **Control Mode** option.
3. Select the desired protocol, from **DMX**, **WDMX**, **ArtNet**, or **sACN**.

> • **See the WDMX Reset section for further setup of WDMX.**
> • **See the Network Setup section for further setup of Ethernet protocols (Art-Net™ or sACN).**

Control Personalities

To set the control personality:
1. Go to the **Personality** main level.
2. Select the desired personality, from **Dmx Mode 22 CH** or **Dmx Mode 29 CH**.

> • **See the Starting Address 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.**

Starting Address

Each product will respond to a unique starting address from the controller. All products with the same starting address will respond in unison. To set the starting address:
1. Go to the **Address** main level.
2. Select the starting address (**001**–**491**).
   • The highest recommended starting address for **Dmx Mode 22 CH** is **491**.
   • The highest recommended starting address for **Dmx Mode 29 CH** is **484**.

Network Setup

The Network Setup settings control the IP address, subnet mask, and universe of the product.

IP Mode

To choose how the IP address is set:
1. Go to the **Network Setup** main level.
2. Select the **IP Mode** option.
3. Select the desired IP mode, from **Manual** (to set a custom IP address), **DHCP** (the IP address is assigned by the connected network), or **Static** (the product uses a default, preset IP address).

Universe

To assign an Art-Net™ or sACN universe to the Maverick Force s Spot:
1. Go to the **Network Setup** main level.
2. Select the **Universe** option.
3. Set the universe, from **000–255** (for Art-Net™) or from **001–256** (for sACN).

Manual IP Address

To set the IP address when the **IP Mode** is set to **Manual**:
1. Go to the **Network Setup** main level.
2. Select the **Ip** option.
3. Set the values of the IP address from **000–255**.

Subnet Mask

To set the subnet mask:
1. Go to the **Network Setup** main level.
2. Select the **SubMask** option.
3. Set the values of the subnet mask from **000–255**.

Configuration (Settings)

Pan Reverse
To set the orientation of the pan:
1. Go to the **Settings** main level.
2. Select the **Pan Reverse** option.
3. Select from **NO** (normal pan motion) or **YES** (reversed pan motion).

Tilt Reverse
To set the orientation of the tilt:
1. Go to the **Settings** main level.
2. Select the **Tilt Reverse** option.
3. Select from **NO** (normal tilt motion) or **YES** (reversed tilt motion).

Screen Reverse
To set the orientation of the display:
1. Go to the **Settings** main level.
2. Select the **Screen Reverse** option.
3. Select from **NO** (right-side up), **YES** (upside-down), or **AUTO** (changes depending on the orientation of the product).

Pan Angle
To set the maximum angle of the pan:
1. Go to the **Settings** main level.
2. Select the **Pan Angle** option.
3. Select from **540** (540°), **360** (360°), or **180** (180°).

Tilt Angle
To set the maximum angle of the tilt:
1. Go to the **Settings** main level.
2. Select the **Tilt Angle** option.
3. Select from **270** (270°), **180** (180°), or **90** (90°).

Blackout on Movement
To set the Maverick Force s Spot to black out on pan or tilt movement, color wheel movement, or gobo wheel movement:
1. Go to the **Settings** main level.
2. Select the **BL. O. P/T Move** (blackout on pan or tilt movement), **BL. O. Color Move** (black out on color wheel movement), or **BL. O. Gobo Move** (black out on gobo wheel movement) option.
3. Select from **NO** (no blackout on selected movement), or **YES** (black out during the selected movement).

Touchscreen Calibration
To calibrate the touchscreen:
1. Go to the **Settings** main level.
2. Select the **Calibration** option.
3. Select from **NO** (do not calibrate) or **YES** (calibrate).
4. Follow the instructions on the display.

Touchscreen Lock
To lock the touchscreen and limit the display to operation by the menu buttons:
1. Go to the **Settings** main level.
2. Select the **Touchscreen Lock** option.
3. Select from **NO** (do not lock the touchscreen) or **YES** (lock the touchscreen).

Swap Pan and Tilt
To swap the pan and tilt controls for each other:
1. Go to the **Settings** main level.
2. Select the **Swap XY** option.
3. Select from **NO** (do not swap) or **YES** (swap so pan controls tilt and tilt controls pan).

WDMX Reset
To reset the WDMX connection and allow the Maverick Force s Spot to connect to a WDMX transmitter:
1. Go to the **Settings** main level.
2. Select the **WDMX Reset** option.
3. Select from **NO** (do not reset) or **YES** (reset the WDMX connection).

> **Follow instructions in the manual or guide for the WDMX controller being used to connect it to the receiver in the Maverick Force s Spot.**

Display Backlight Timer
To set the length of time before an inactive display will turn off:
1. Go to the **Settings** main level.
2. Select the **Backlight Timer** option.
3. Select the length of the backlight timer, from **30S** (30 seconds), **1M** (1 minute), **5M** (5 minutes), or **ON** (always on).

Loss of Data
To set how the product reacts to a loss in control signal data:
1. Go to the **Settings** main level.
2. Select the **Loss of Data** option.
3. Select from **Hold** (holds the last values received before signal loss) or **Close** (blacks out the product).

Fan Mode
To set the fan speed mode:
1. Go to the **Settings** main level.
2. Select the **Fans** option.
3. Select the fan mode, from **Auto** (fan speed adjusts to product temperature), **Full** (fan speed at maximum), **ECO** (quiet mode), **TV25** (maintains LED output up to an ambient temperature of 77 °F/25 °C), or **TV35** (maintains LED output up to an ambient temperature of 95 °F/35 °C).

Dimmer Curve
To set the dimmer curve:
1. Go to the **Settings** main level.
2. Select the **Dimmer Curve** option.
3. Select the dimmer curve, from **Linear**, **Square**, **I Squa**, **SCurve**, or **Linear2**.

Pulse Width Modulation
To adjust the frequency of the pulse width modulation:
1. Go to the **Settings** main level.
2. Select the **PWM Option** option.
3. Select the frequency, from **600Hz**, **1200Hz**, **4000Hz**, **6000Hz**, or **15000Hz**.

LED Power
To set the maximum LED output:
1. Go to the **Settings** main level.
2. Select the **LED Power** option.
3. Set the power from **64–255**.

Minimum Zoom Focus
To enable or disable the minimum zoom focus function:
1. Go to the **Settings** main level.
2. Select the **Min. Zoom Focus** option.
3. Select **No** (disables minimum zoom focus) or **Yes** (enables minimum zoom focus).

Preset Selection
To select a preset configuration of menu options:
1. Go to the **Settings** main level.
2. Select the **Preset Select** option.
3. Select from **PRESET A** (default), **PRESET B**, or **PRESET C**.

> • **Changes to settings automatically save to the currently selected preset option.**
> • **If no preset option has been selected, changes to settings save to PRESET A.**
> • **After selecting a preset option, the product will restart.**

Preset Synchronization

To transfer saved preset options from one Maverick Force s Spot to another:

1. Connect the Maverick Force s Spot products to receive the preset options by a DMX daisy chain.
2. Make the Maverick Force s Spot with the preset options to transfer be the first fixture in the DMX daisy chain.
3. Power on all of the products.
4. Set all of the products to a Control Mode other than **WDMX** (i.e., **DMX**, **ArtNet**, or **sACN**).
5. On the Maverick Force s Spot with the preset options, go to the **Settings** main level.
6. Select the **Preset Sync** option.
7. Select **NO** (to cancel) or **YES** (to transfer the preset options to the connected products).

> - **All menu configurations are transferred except for the IP address.**
> - **ONLY connect Maverick Force s Spot products for this function!**

USB Update

To enable or disable software update using USB:

1. Go to the **Settings** main level.
2. Select the **USB Update** option.
3. Select **NO** (disables software update through USB) or **YES** (enables software update through USB).

> **See the USB Software Update section for the detailed instructions on how to update the Maverick Force s Spot software using the USB flash drive.**

Reset Function

To reset specific functions or the entire product:

1. Go to the **Settings** main level.
2. Select the **Reset Function** option.
3. Select the functions to reset, from **Pan/Tilt**, **Iris/Prism**, **Color/CMY**, **Gobo/Gobo Rotate**, **Frost**, or **All**.
4. Select **NO** (to cancel) or **YES** (to reset the selected functions).

Factory Reset

To reset the product to factory default settings:

1. Go to the **Settings** main level.
2. Select the **Factory Reset** option.
3. Select **NO** (to cancel) or **YES** (to reset the product configuration to default factory settings).

Test Mode

Auto Test

To have the Maverick Force s Spot automatically test all functions one after the other:

1. Go to the **Test** main level.
2. Select the **Auto Test** option.

Manual Test

To manually test an individual function of the Maverick Force s Spot:

1. Go to the **Test** main level.
2. Select the **Manual Test** option.
3. Select a function to test. (Available functions are: **Pan**, **Pan Fine**, **Tilt**, **Tilt Fine**, **P/T Speed**, **Dimmer**, **Dimmer Fine**, **Shutter**, **Virtual Shaking**, **Cyan**, **Magenta**, **Yellow**, **Color**, **Gobo**, **Gobo Rotate**, **Gobo Index**, **Gobo2**, **Focus**, **Focus Fine**, **Focus Auto**, **Zoom**, **Zoom Fine**, **Prism**, **Prism Rotate**, **Iris**, **Frost**, **CMY Macro**, **CMY Macro Speed**, and **Special Function**).
4. Increase or decrease the value of the selected function from **000–255** to test it.

System Information

The information section of the menu displays statistics and the current status of the product's various functions. To view these information sections:

1. Go to the **Information** main level.
2. Select which information to view, from **Fixture Information** (shows the firmware version, running mode, DMX address, temperature, running time, IP address, Subnet Mask, and MAC address), **Fan Information** (shows the speed of the head and base fans in rotations per minute (rpm)), **Error Information** (shows any error the product has), or **Channel Information** (shows the current values of all signal input channels).
3. If necessary, scroll up and down to view all information available in the selected option.

Offset Mode (Zero Adjust)

The Offset mode provides fine adjustments for the home position of every moving part in the optical path and pan and tilt movements. To adjust these options and to prevent the borders from showing or the reduction of the light output:

1. From the main level screen, press and hold **<MENU>** until the passcode screen appears.
2. Enter the passcode: **2323** and press **<ENTER>**.
3. Select the "zero" position to adjust, from **PAN**, **TILT**, **COLOR**, **GOBO**, **GOBO ROTATE**, **GOBO2**, **FOCUS-GOBO**, **FOCUS-GOBO2**, **ZOOM**, **PRISM**, **IRIS**, **FROST**, **CYAN**, **MAGENTA**, **YELLOW**, **DIMMER**, **MAC4**, **MAC5**, **MAC6, RDM4, RDM5,** or **RDM6**.
4. Adjust the "zero" position for the selected function from **000–255**.

Web Server

The Maverick Force s Spot Web Server can be accessed by any computer on the same network as the product. It allows network access to system information and settings, such as control setup, manual testing of all functions, firmware updates, and the ability to change the Web Server password.

1. Connect the product to power.
2. Set the Control Mode to **ArtNet** and the **IP Mode** to **Static**.
3. Connect the product to a Windows computer with a network cable.
4. On the computer, set the first value of the IP address of the new network to match the first value of the IP address of the product. The IP address of the product is displayed on the Home Screen.
5. Enter the IP address of the product into the URL bar of a web browser on the computer.
6. Enter both the user name and password as **admin** to log in.

Information

The Information page on the Web Server displays the current settings and the system information of the Maverick Force s Spot.

Setup

The Setup page on the Web Server provides options for control, similar to the **Setup** menu on the product. Click **Save Settings** to send the new configuration to the product.

Manual Test

The Manual Test page on the Web Server allows all output functions of the product to be controlled through the browser. To set all functions back to default, click **Reset**.

Firmware Update

The Upgrade page on the Web Server allows the product to be updated with the latest firmware. Go to https://www.chauvetprofessional.com to download firmware updates.

Security

The Security page on the Web Server gives the option to change the password to the connected product's web server. Enter the old password (**admin**, by default) and the new password twice, then click **Save Settings** to change the password.


Gobo Replacement

The gobos in gobo wheel 1 are removable from their gobo holders. This operation is quite simple, although it requires the technician to carefully 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.**

Procedure

1. Turn the product off and disconnect it from the power outlet.
2. Open the head cover by loosening the screws on the top cover.
3. Separate the gobo holder away from the gobo wheel by pushing it toward the front of the moving head. Be careful not to push the gobo out of the gobo holder.
4. Extract the gobo holder by pulling it outward.
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 into the gobo wheel slot.
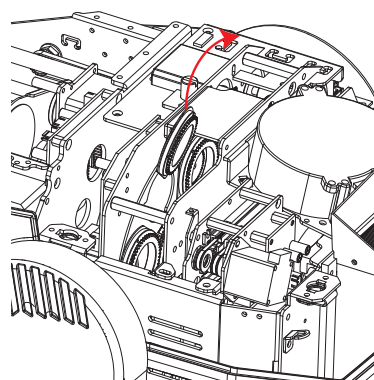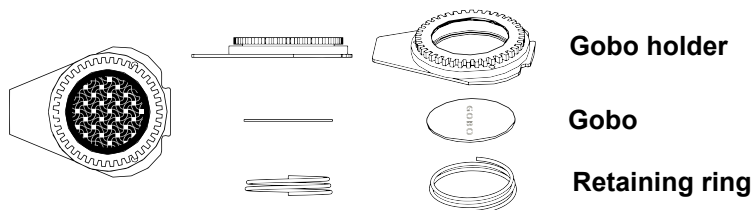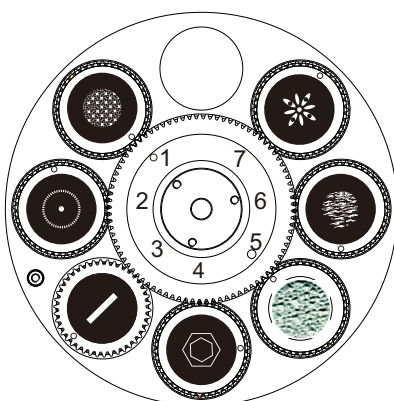
Diagram

| **Locate** | **Pull back** | **Remove** |

Gobo holder

Gobo

Retaining ring

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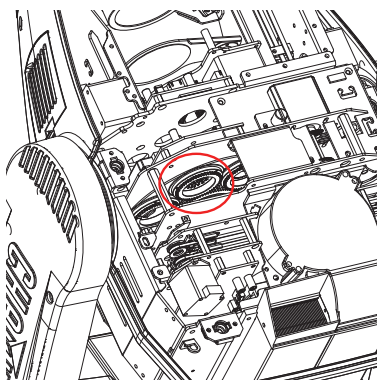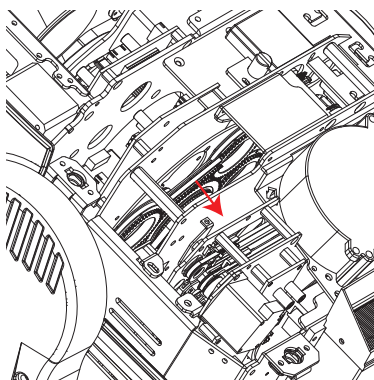
5. Maintenance

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.

Do not spin the cooling fans with compressed air. Damage may result.

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
14.2 in (360 mm)	9.2 in (234 mm)	25.1 in (636 mm)	47.4 lb (21.5 kg)

Note: Dimensions in inches are rounded.

Power

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

Parameter	100 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	240 V, 50 Hz
Consumption	554 W	542 W	522 W	521 W	521 W
Operating current	5.54 A	4.53 A	2.58 A	2.33 A	2.26 A
Fuse/breaker	F 10 A, 250 V	F 10 A, 250 V	F 10 A, 250 V	F 10 A, 250 V	F 10 A, 250 V
Power linking	13.6 A (2 products)	13.6 A (2 products)	13.6 A (5 products)	13.6 A (5 products)	13.6 A (5 products)

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

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Cool white	1	315 W	2.7 A	50,000 hours

Photometrics

Beam Angle	Field Angle	Zoom Range	Cutoff Angle
4.1° to 36.5°	5.1° to 40.4°	4.1° to 43.1°	7.6° to 54.4°

Illuminance @ 5 m (4.1°)	Iluminance @ 5 m (41.9°)	Color Temperature
62,131 lux	1,745 lux	6858K

Thermal

Maximum External Temperature	Cooling System
113 °F (45 °C)	Fan-assisted convection

DMX

I/O Connector	Channel Range
3 and 5-pin XLR	22 or 29

Art-Net™/sACN

I/O Connector	Channel Range
Amphenol XLR Net RJ45 in/out	22 or 29

Ordering

Product Name	Item Name	Item Code	UPC Number
Maverick Force s Spot	MAVERICKFORCESSPOT	08011813	781462221614

UL 1573
CSA C22.2 No. 166
E113093

RoHS
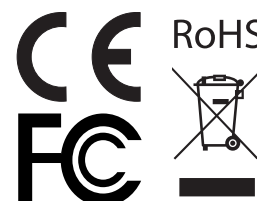
Returns

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.

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

Clearly label the package with an 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
Chauvet World Headquarters	
Address: 5200 NW 108th Ave.	Voice: (844) 393-7575
Sunrise, FL 33351	Fax: (954) 756-8015
Voice: (954) 577-4455	Email: chauvetcs@chauvetlighting.com
Fax: (954) 929-5560	
Toll Free: (800) 762-1084	Website: www.chauvetprofessional.com
Chauvet Europe Ltd	
Address: Unit 1C	Email: UKtech@chauvetlighting.eu
Brookhill Road Industrial Estate	
Pinxton, Nottingham, UK	Website: www.chauvetprofessional.eu
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Visit the applicable website above to verify our contact information and instructions to request support. Outside the U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact the dealer of record.