

MAVERICK FORCE

1SPOT

User Manual



Model ID: MAVERICKFORCE1SPOT

CHAUVET
PROFESSIONAL

Edition Notes

The Maverick Force 1 Spot User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the Maverick Force 1 Spot as of the release date of this edition.

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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.

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Document Revision

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

Revision	Date	Description
9	08/2025	Added Error Codes. Updated format as needed.

TABLE OF CONTENTS

1. Before You Begin	1
What Is Included	1
Claims	1
Text Conventions	1
Symbols	1
Safety Notes.....	2
FCC Statement of Compliance	3
RF Exposure Warning for North America and Australia.....	3
Expected LED Lifespan.....	3
2. Introduction.....	4
Features	4
Product Overview.....	4
Product Dimensions	5
3. Setup.....	6
AC Power	6
AC Plug.....	6
Power Linking.....	6
Fuse Replacement.....	6
Remote Device Management.....	6
Signal Connections	6
Control Personalities	7
DMX Linking.....	7
Art-Net™ Connection	7
sACN Connection.....	7
Connection Diagram	7
USB Software Update	8
Mounting	9
Orientation.....	9
Rigging.....	9
Procedure.....	9
Color Wheel	10
Gobo Designs	10
Rotating Gobo Dimensions	10
Gobo Replacement	11
Procedure.....	11
Gobo Replacement Diagrams.....	11
4. Operation.....	12
Control Panel Description	12
Control Options	12
Programming.....	12
Battery-Powered Display.....	13
Home Screen	13
Control Panel Lock.....	13
Technician Mode.....	13
Menu Map	14
Control Configuration	18
Control Mode.....	18
Control Personalities	18
Starting Address.....	18
Network Setup.....	18
IP Mode.....	18
Universe.....	18
Manual IP Address.....	18
Subnet Mask.....	18
Control Channel Assignments and Values.....	19
Settings Configuration.....	22
Pan Reverse	22
Tilt Reverse	22
Screen Reverse	22
Pan Angle.....	22

Tilt Angle	22
Blackout on Movement.....	22
Touchscreen Calibration	22
Touchscreen Lock.....	22
Swap Pan and Tilt.....	22
WDMX Reset	23
Display Backlight Timer.....	23
Loss of Data	23
Fan Mode	23
Dimmer Curve	23
Pulse Width Modulation	23
LED Power	23
Minimum Zoom Focus.....	23
Preset Selection	23
Preset Synchronization	24
USB Update	24
Reset Function	24
Factory Reset.....	24
Test Mode	24
Auto Test.....	24
Manual Test	24
System Information	25
Offset Mode.....	25
Web Server	25
Error Codes.....	26
5. Maintenance.....	29
Product Maintenance	29
Gobo Maintenance.....	29
Transporting on Truss or Racks.....	30
6. Technical Specifications.....	31
Contact Us.....	32
Warranty & Returns.....	32

Before You Begin

1. Before You Begin

What Is Included

- Maverick Force 1 Spot
- Seetronic Powerkon IP65 power cable
- 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 the 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.

Connection of the control signal: DMX line

- The product has XLR sockets for DMX input and output.
- Notice: This control circuit is isolated and belongs to the Class 2 data port.

The control circuit has a cumulative leakage current of less than 3.5 mA.

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.

- The luminaire is intended for professional use only.
- The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 27.2 ft (8.3 m) is not expected.
- If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord 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 or its service agent or a similar qualified person.

• **CAUTION:**

- This product's housing may be hot when operating. Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- When transferring the 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 the product to fully acclimate to the surrounding environment before connecting it to power.

• **ALWAYS:**

- Disconnect from power before cleaning the product or replacing the fuse.
- Replace the fuse with the same type and rating.
- Use a safety cable when mounting this product overhead.
- Connect this product to a grounded and protected circuit.



• **DO NOT:**

- Open this product. It contains no user-serviceable parts.
- Look at the light source when the product is on.
- Leave any flammable material within 20 cm of this product while operating or connected to power.
- Connect this product to a dimmer or rheostat.
- Operate this product if the housing, lenses, or cables appear damaged.
- Operate this product outdoors or in any location where dust, excessive heat, water, or humidity may affect it (adhere to standards for the published IP rating).
- ONLY use the hanging/mounting bracket to carry this product.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate this 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.
- 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.
- In the event of a serious operating problem, stop using immediately.



If a Chauvet product requires service, contact Chauvet Technical Support.

Before You Begin

FCC Statement of 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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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 the user. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Expected LED Lifespan

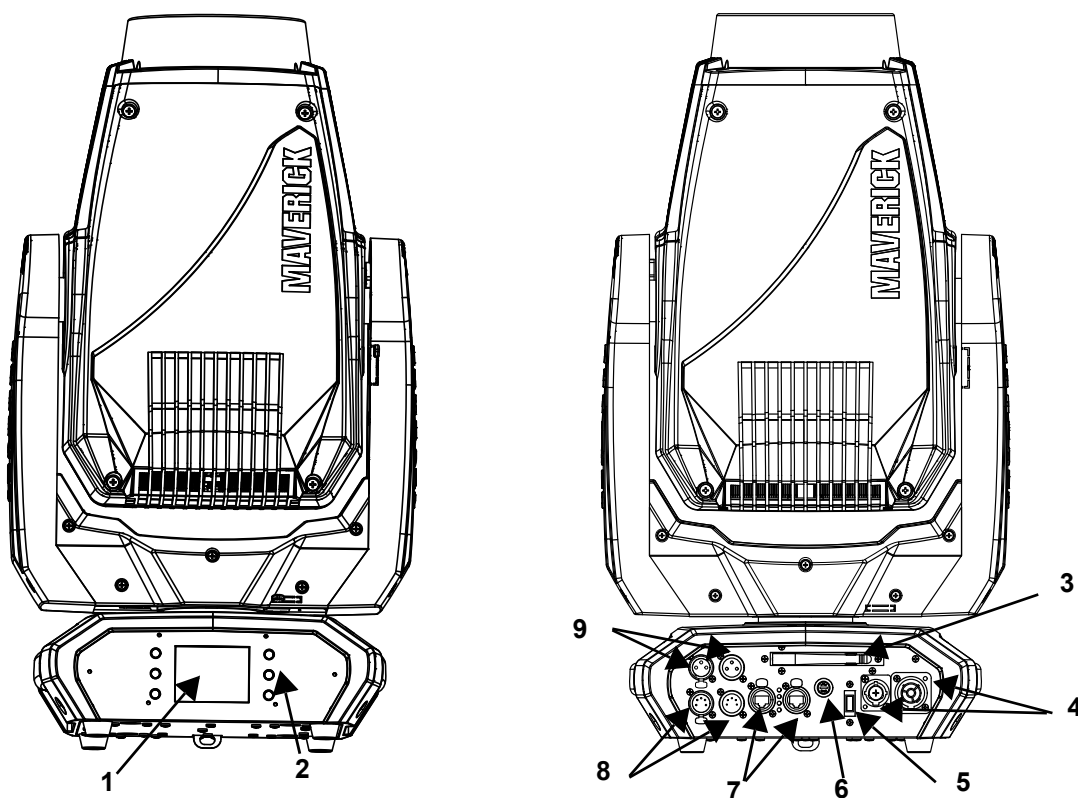
Over time, use and heat will gradually reduce LED brightness. Clustered LEDs produce more heat than single LEDs, contributing to shorter lifespans if always used at full intensity. The average LED lifespan is 40,000 to 50,000 hours. To extend LED lifespan, maintain proper ventilation around the product,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

2. Introduction

Features

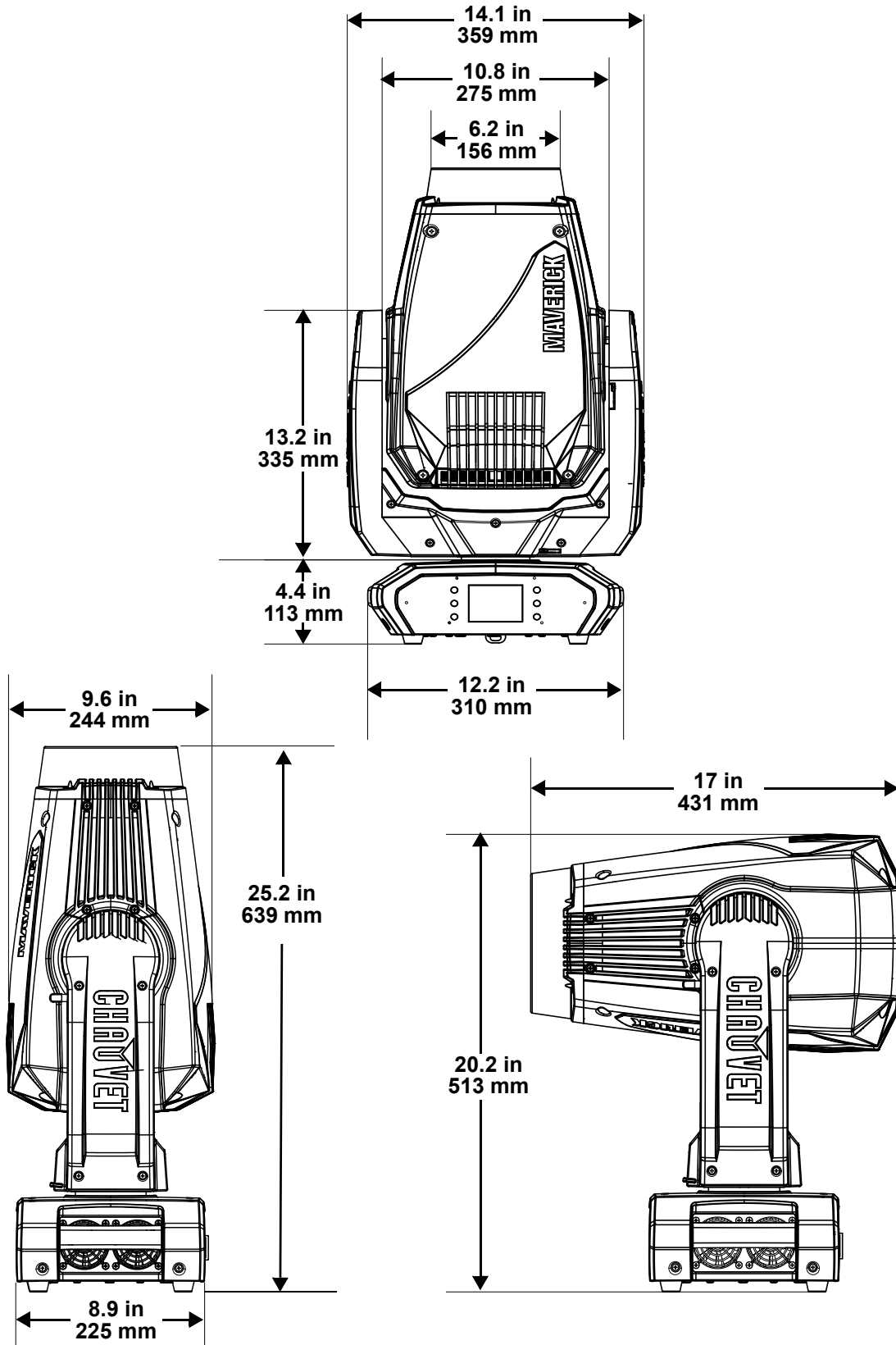
- Fully featured, compact and lightweight 470 W LED yoke spot fixture including CMY + CTO color mixing, a color wheel, zoom optics, and two gobo wheels, one rotating, and one static, and an animation wheel
- 16-bit dimming of master dimmer for smooth control of fades
- Variable CMY + CTO color mixing system to create a wide pallet of colors
- CRI and CTB filters on color wheel for added flexibility
- DMX, WDMX, sACN, and Art-Net for full flexibility of control options
- RDM enabled for remote addressing and trouble shooting
- 6.2° to 54.4° 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
- Failsafe Ethernet connectivity allows for data to pass even if fixture power is lost

Product Overview



#	Name	#	Name
1	LCD display	6	Fuse holder
2	Menu buttons	7	Ethernet ports
3	Antenna	8	5-Pin DMX in/out
4	Power in/out	9	3-Pin DMX in/out
5	USB port		

Product Dimensions



3. Setup

AC Power

The Maverick Force 1 Spot has an auto-ranging power supply, and it can work with an input voltage range of 100 to 240 VAC, 50/60 Hz.

To determine the product's power requirements (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.

AC Plug

The Maverick Force 1 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

Power Linking

This product comes with a power input cord. Power-linking cables are available from Chauvet for purchase. It is possible to power link Maverick Force 1 Spot products. See the table below for the current draw at each voltage and frequency:

	100 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	240 V, 50 Hz
Current Draw	6.70 A	5.45 A	3.10 A	2.79 A	2.70 A

Never exceed 12 A on a single circuit. Power-linking cables can be purchased separately

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

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 1 Spot supports RDM protocol that allows feedback to make changes to menu map options.

Signal Connections

The Maverick Force 1 Spot can receive a DMX, Art-Net™, or sACN, signal. The Maverick Force 1 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, it is possible to control each individually with a single controller.

Control Personalities

The Maverick Force 1 Spot uses a 3 or 5-pin DMX data connection, WDMX, Art-Net™, or sACN for its two control personalities: **Dmx Mode 25 CH** and **Dmx Mode 32 CH**.

- Refer to the [Operation](#) chapter to learn how to configure the Maverick Force 1 Spot to work in these personalities.
- The [Control Channel Assignments and Values](#) section provides detailed information regarding the control personalities.



For 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

The Maverick Force 1 Spot can link 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

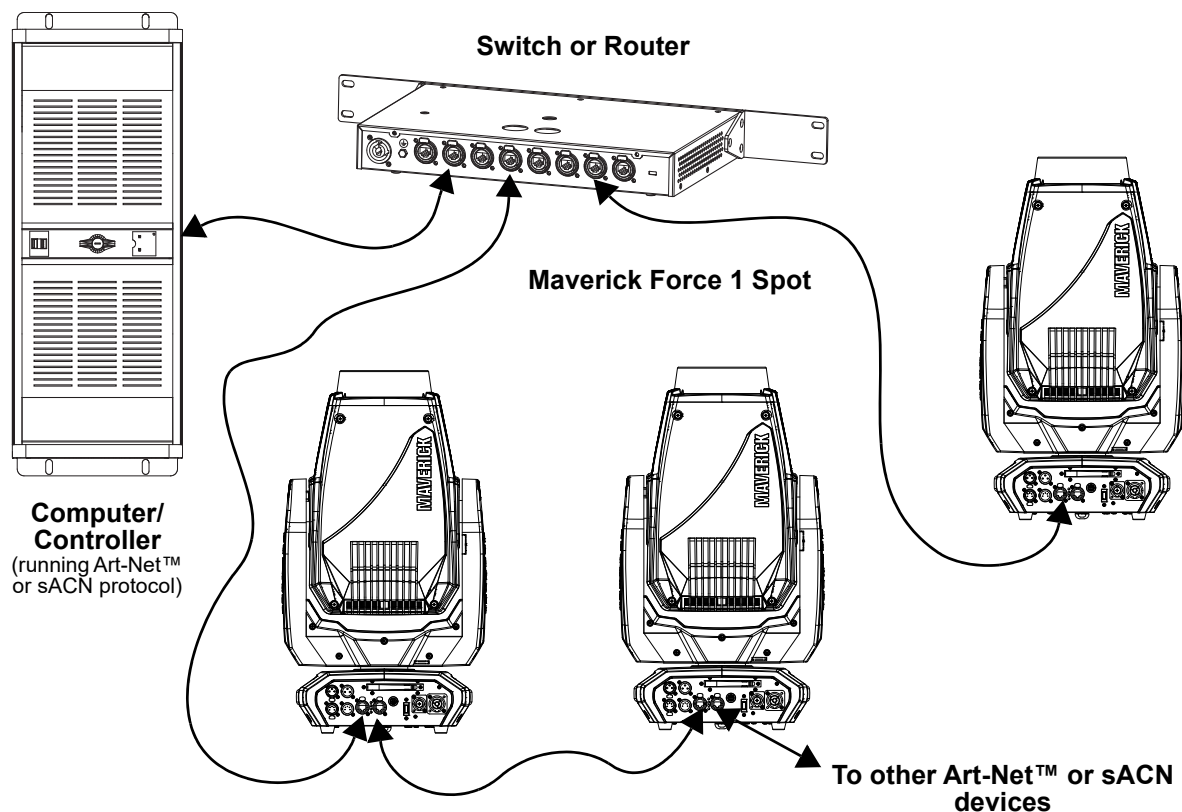
Art-Net™ is an Ethernet protocol that uses TCP/IP that transfers a large amount of DMX512 data using an Amphenol XLRnet RJ45 connection over a large network. An Art-Net™ protocol document is available from www.chauvetprofessional.com.

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



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 1 Spot is receiving a signal from a controller.

USB Software Update

The Maverick Force 1 Spot allows for software updates with a USB device using the built-in USB port. To update the software using a USB flash drive, do the following:

1. Power on the product, and plug the flash drive into the USB port.
2. Once the flash drive has been detected, the message “**USB UPDATE**” will be displayed. Select **YES**.
3. The next screen will show the software versions available for this fixture on the USB drive. For multiple versions of the software for the same fixture, use <**UP**> or <**DOWN**> to select the desired version. Press <**ENTER**>.
4. The “**USB UPDATE**” screen will re-appear. Select **YES**.



It is possible to update multiple units with the USB if they are daisy chained via DMX.

5. The upgrade will start. **DO NOT** turn off the power or disconnect the USB while the USB LED is still blinking during the process. The screen display will read: “**USB Update Wait**”. The update can take several minutes to complete.
 - When the USB firmware is done uploading, in some fixtures, the display will change to: “**DO NOT UNPLUG, UPDATING**”.
6. When the update is completed, the fixture will automatically reboot.
7. Go to Fixture Information on the product’s menu map and confirm the firmware revision.
8. When the boot-up process is finished, restart the product.



- Place the .chl file in the root directory of the USB drive.
- The product’s USB port supports up to 32GB capacity and only works with FAT32 file format.



Turning off the power or removing the USB while the USB LED is still blinking during the update will cause partial or total firmware failure in the targeted fixture(s). If this occurs, the user will need the UPLOAD 08 device to fix this. Please contact Chauvet regarding this device.

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

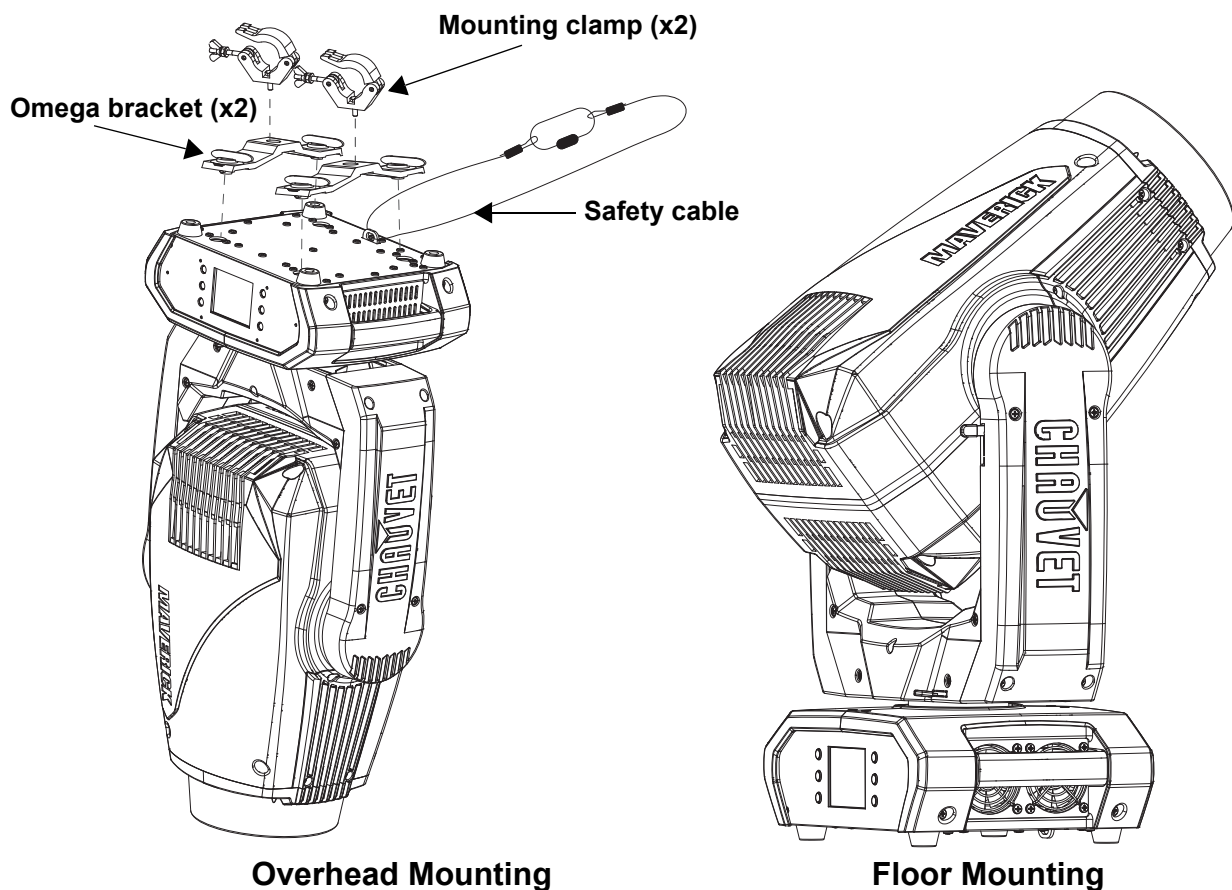
Chauvet recommends using the following general guidelines when mounting this product.

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

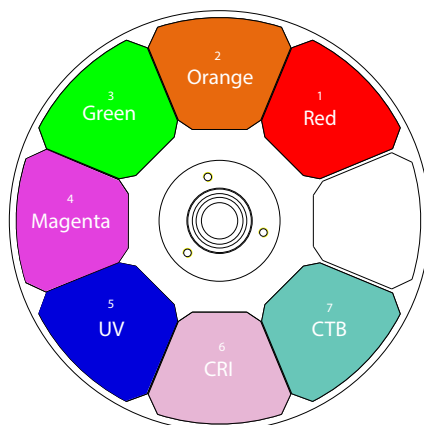
Procedure

The Maverick Force 1 Spot comes with two Omega brackets to which the user can directly attach mounting clamps (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

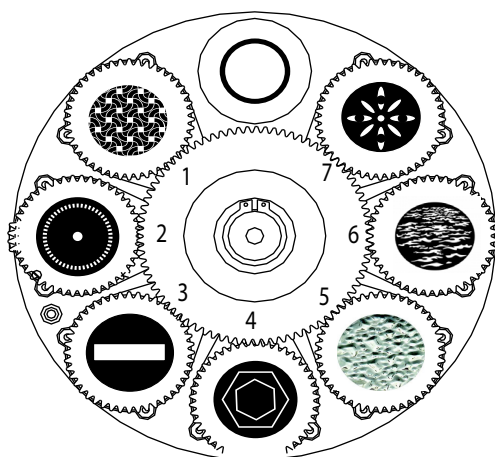


Color Wheel



Gobo Designs

Gobo Wheel 1
Rotating gobo wheel

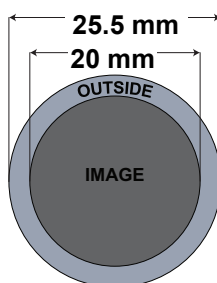


Gobo Wheel 2
Static gobo wheel



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

Rotating Gobo Dimensions



Gobo Replacement

The gobos in the Maverick Force 1 Spot are removable from their gobo holders.



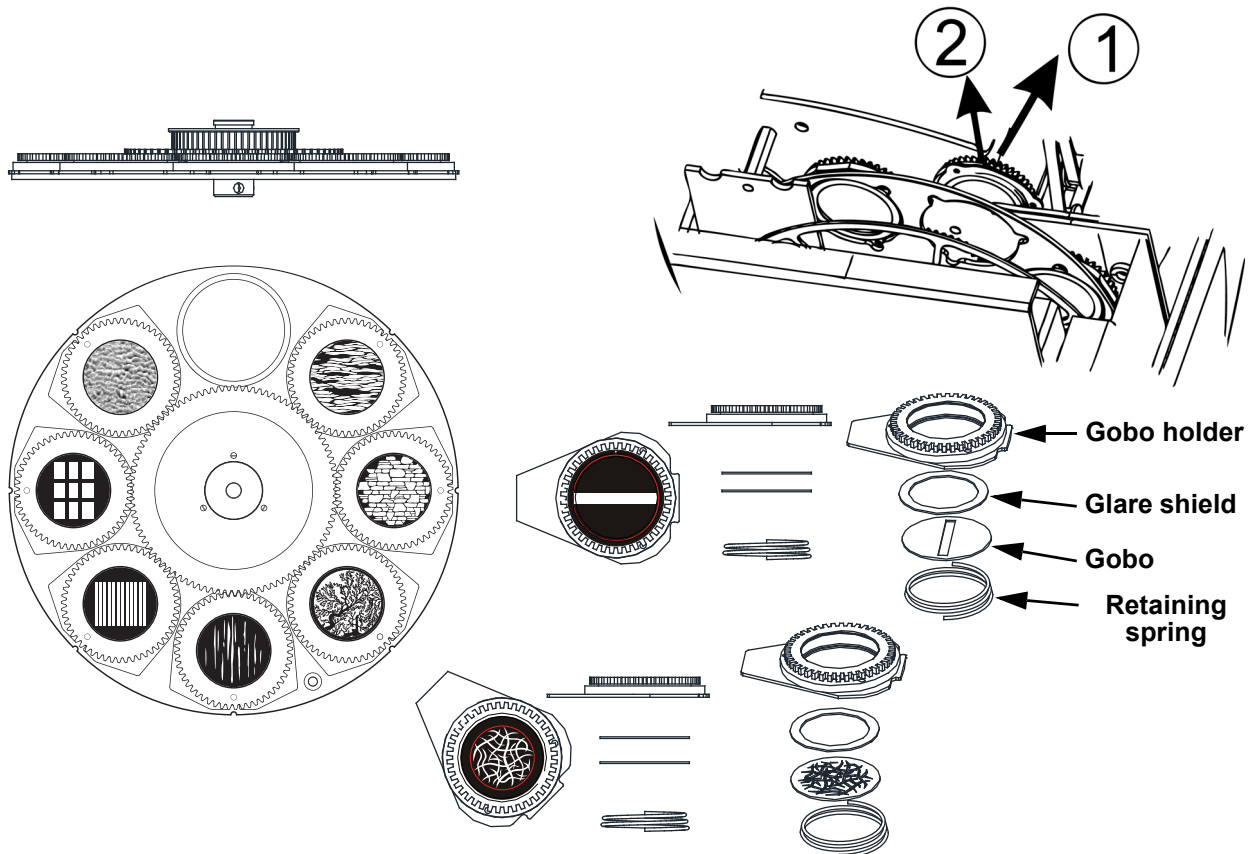
- **Make sure to disconnect the product's power cable before replacing a gobo.**
- **Always replace a gobo with a gobo of the same dimensions.**
- **When inserting a glass gobo, always make sure that the shiny side of the gobo (glass base) faces the lamp. This provides a layer of protection against the high temperature from the lamp.**
- **All custom gobos in the Maverick Force 1 Spot gobo wheel 1 must be aluminum or glass.**

Procedure

Follow the recommended procedure below to remove or replace the gobos:

1. Turn the product off and disconnect it from the power outlet.
2. Open the head cover by loosening the 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 (see 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 (see 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 plate should easily slide itself into the gobo wheel slot.

Gobo Replacement Diagrams



- Gobo illustrations are for reference purposes only. Gobo designs may differ from those installed in the product.
- See [Gobo Designs](#) for which gobo holders can accommodate metal, glass, or either.
- See [Gobo Maintenance](#) for instructions on how to clean the gobos and gobo holder.

4. Operation

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

Control Options

Set the Maverick Force 1 Spot starting address in the **001–488** DMX range. This enables control of up to 20 products in the 25-channel **Dmx Mode 25CH** personality.

Programming

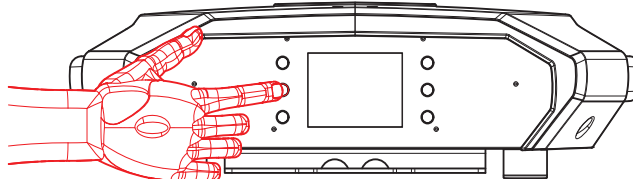
Refer to the menu map to understand the menu options. The menu map shows the main menu and a variable number of programming levels for each option.

- To access the main menu, press **<MENU>**.
- To access the main menu from the [Home Screen](#), press **<MENU>**.
- To navigate to the desired option in the main menu, press **<MENU>** repeatedly until the option is indicated, or use **<UP>** or **<DOWN>** to navigate directly.
- Press **<ENTER>** to select the indicated option.
- Use **<UP>** or **<DOWN>** to navigate within a programming level until the desired option is indicated.

To return to the main menu, press **<MENU>** repeatedly until it shows on the display.

Battery-Powered Display

The Maverick Force 1 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 1 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.

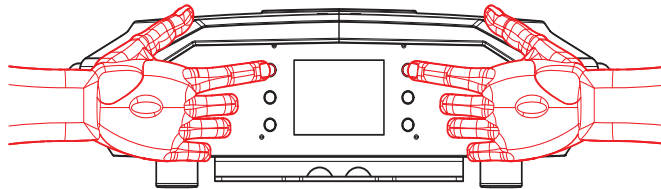
1. Go to the **Settings** main level.
2. Select the **Lock Screen** option.
3. Select **NO** (control panel stays unlocked) or **YES** (locks control panel).



When the control panel lock is activated, the product will prompt for the passcode in order to access the menu. Enter the passcode: <UP>, <DOWN>, <UP>, <DOWN>, <ENTER>

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 1 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 1 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
Personality	Dmx Mode 25 CH	YES	Selects the 25-channel mode
		NO	
	Dmx Mode 32 CH	YES	Selects the 32-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: 0920	
		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	
	Dimmer Curve	Linear	Set the dimmer curve	
		Square		
		I Squa		
		SCurve		
	PWM Option	600Hz	Sets the Pulse Width Modulation frequency	
		1200Hz		
		4000Hz		
		6000Hz		
		15000Hz		
	LED Power	64–255	Sets the maximum LED output	
	Min. Zoom Focus	NO	Enables/disables minimum zoom focus	
		YES		
	Preset Select	PRESET A	Recorded preset menu options	
		PRESET B		
		PRESET C		
Preset Sync	NO	Allows recorded preset menu options to be transferred to other Maverick Force 1 Spot fixtures in the DMX daisy chain		
	YES			
USB Update	NO	Enables/disables software update using USB		
	YES			
Reset Function	Pan/Tilt		NO/YES	Reset individual functions or all functions from start-up
	Iris/Prism			
	Color/CMY			
	Gobo/Gobo Rotate			
	Frost/Animation			
	All			
Factory Settings		NO		Reset to factory default settings
		YES		

Main Level	Programming Levels		Description
Test	Auto Test		Auto test all functions
	Manual Test	Pan	Manually control and test all settings through the control panel
		Pan Fine	
		Tilt	
		Tilt Fine	
		P/T Speed	
		Dimmer	
		Dimmer Fine	
		Shutter	
		Virtual Shaking	
		Cyan	
		Magenta	
		Yellow	
		CTO	
		Color	
		Gobo	
		Gobo Rotate	
		Gobo Index	
		Gobo2	
		Animation	
		Animation Rotate	
		Focus	
		Focus Fine	
		Focus Auto	
		Zoom	
		Zoom Fine	
		Prism	
		Prism Rotate	
		Iris	
		Frost	
		CMY Macro	
		CMY Macro Speed	
		Special Function	

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	----	
		Head Fan3 Speed	----	
		Head Fan4 Speed	----	
	Error Information		-----	Shows any errors, or No Error!
	Channel Information	Frequency	000–255	Shows all current values from input signals
		Pan		
		Pan Fine		
		Tilt		
		Tilt Fine		
		P/T Speed		
		Dimmer		
		Dimmer Fine		
		Shutter		
		Virtual Shaking		
		Cyan		
		Magenta		
		Yellow		
		CTO		
		Color		
		Gobo		
		Gobo Rotate		
		Gobo Index		
		Gobo2		
		Animation		
		Animation Rotate		
		Focus		
		Focus Fine		
		Focus Auto		
		Zoom		
		Zoom Fine		
		Prism		
		Prism Rotate		
		Iris		
		Frost		
		CMY Macro		
		CMY Macro Speed		
		Special Function		

Control Configuration

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

Control Mode

The Maverick Force 1 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 25 CH** or **Dmx Mode 32 CH**.



- See the [Starting Address](#) section for the highest starting address 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 (**001–488**).
 - The highest recommended starting address for **Dmx Mode 25CH** is **488**.
 - The highest recommended starting address for **Dmx Mode 32CH** is **481**.

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 1 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.

Set the values of the subnet mask from **000–255**.

Control Channel Assignments and Values

25 CH	32 CH	Function	Value	Percent/Setting
1	1	Pan	000 ⇔ 255	0–100%
2	2	Pan fine	000 ⇔ 255	Fine control (16-bit)
3	3	Tilt	000 ⇔ 255	0–100%
4	4	Fine tilt	000 ⇔ 255	Fine control (16-bit)
5	5	Pan/tilt speed	000 ⇔ 255	Fast to slow
6	6	Dimmer	000 ⇔ 255	0–100%
–	7	Dimmer fine	000 ⇔ 255	Fine control (16-bit)
7	8	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	9	Virtual strobe	000 ⇔ 001	No function
			002 ⇔ 128	Shaking effect, slow to fast
			129 ⇔ 255	Fading effect, slow to fast
9	10	Cyan	000 ⇔ 255	0–100%
10	11	Magenta	000 ⇔ 255	0–100%
11	12	Yellow	000 ⇔ 255	0–100%
12	13	CTO	000 ⇔ 255	0–100%
13	14	Color wheel (see Control Channel Assignments and Values)	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	15	Rotating gobo wheel (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

25 CH	32 CH	Function	Value	Percent/Setting
15	16	Gobo 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
–	17	Gobo rotation fine	000 ⇄ 255	Fine control (16-bit)
16	18	Static gobo wheel (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
17	19	Animation wheel	000 ⇄ 255	Animation effect, 0–100%
18	20	Animation wheel rotation	000 ⇄ 124	Animation wheel rotation, fast to slow
			125 ⇄ 130	Stop
			131 ⇄ 255	Reverse animation wheel, slow to fast
19	21	Focus	000 ⇄ 255	0–100%
–	22	Focus fine	000 ⇄ 255	Fine control (16-bit)
–	23	Auto focus	000 ⇄ 010	No function
			011 ⇄ 030	0–5 m
			031 ⇄ 050	6 m
			051 ⇄ 070	7 m
			071 ⇄ 090	8 m
			091 ⇄ 110	9 m
			111 ⇄ 130	10 m
			131 ⇄ 150	12.5 m
			151 ⇄ 170	15 m
			171 ⇄ 190	17.5 m
			191 ⇄ 210	20–60 m
			211 ⇄ 255	Auto-detect distance
20	24	Zoom	000 ⇄ 255	0–100%
–	25	Fine zoom	000 ⇄ 255	Fine control (16-bit)
21	26	Prism	000 ⇄ 004	No function
			005 ⇄ 255	Prism effect
22	27	Prism rotation	000 ⇄ 127	Prism index
			128 ⇄ 189	Prism rotation, fast to slow
			190 ⇄ 193	Stop
			194 ⇄ 255	Reverse prism rotation, slow to fast

Operation

25 CH	32 CH	Function	Value	Percent/Setting
23	28	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)
24	29	Frost	000 ⇄ 255	0–100%
–	30	CMY macro	000 ⇄ 009	No function
			010 ⇄ 255	CMY macro
–	31	CMY macro speed	000 ⇄ 255	CMY macro speed, fast to slow
25	32	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 temp gobo on
			132 ⇄ 135	High color temp 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 mode
			200 ⇄ 207	Fan full speed
			208 ⇄ 215	Fan auto
			216 ⇄ 220	No function
			221 ⇄ 225	Iris fast mode
			226 ⇄ 230	Iris smooth mode
			231 ⇄ 235	Pan/tilt swap on
			236 ⇄ 240	Pan/tilt swap off
			241 ⇄ 245	Minimum zoom focus off
			246 ⇄ 250	Minimum zoom focus on
			251 ⇄ 255	No function

Settings Configuration

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 1 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 1 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 1 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), or **ECO** (quiet mode).

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**, or **SCurve**.

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 1 Spot to another:

1. Connect the Maverick Force 1 Spot products to receive the preset options by a DMX daisy chain.
2. Make the Maverick Force 1 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 1 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 1 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 1 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/Animation**, 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 1 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 1 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**, **CTO**, **Color**, **Gobo**, **Gobo Rotate**, **Gobo Index**, **Gobo2**, **Animation**, **Animation Rotate**, **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, addresses, temperature, running time, IP address, Subnet Mask, and MAC address), **Fan Information** (shows the speed of the head 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

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: **0920** and press **<ENTER>**.
3. Select the "zero" position to adjust, from **PAN, TILT, COLOR, GOBO, GOBO ROTATE, GOBO2, ANIMATION, FOCUS-GOBO, FOCUS-GOBO2, ZOOM, PRISM, IRIS, FROST, CYAN, MAGENTA, YELLOW, CTO, DIMMER1, DIMMER2, MAC4, MAC5, MAC6, RDM4, RDM5, or RDM6**.
4. Adjust the "zero" position for the selected function from **000–255**.

Web Server

The Maverick Force 1 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 1 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.

Error Codes

See the table below for error codes and recommended solutions:

Error Code	Possible Reason	Potential Solution
Base Fan1	Base Fan 1 is damaged	Replace base fan 1
	Fan wires have poor connection	Check fan wire connection
Base Fan2	Base Fan 2 is damaged	Replace base fan 2
	Fan wires have poor connection	Check fan wire connection
Base Fan3	Base Fan 3 is damaged	Replace base fan 3
	Fan wires have poor connection	Check fan wire connection
Base Fan4	Base Fan 4 is damaged	Replace base fan 4
	Fan wires have poor connection	Check fan wire connection
Color	Color error	Check module connection
		Make sure nothing is blocking the movement
		Check sensors for +/- 5v when open and closed
		Do a factory reset
		Update software
CPU-A	Display CPU	Do a factory reset
		Update software
CPU-B	Pan/tilt CPU	Do a factory reset
		Update software
CPU-C	Gobo/Color CPU error	Do a factory reset
		Update software
CPU-D	Zoom/Focus CPU error	Do a factory reset
		Update software
CPU-E	CMY CPU error	Do a factory reset
		Update software
CTO	CTO/CMY error	Check module connection
		Make sure nothing is blocking the movement of the shutters/blade
		Do a factory reset
		Update software
CYAN	Sensor board is damaged	Replace the cyan sensor board
	The magnetic rod of the cyan sensor board is dropped or installed upside down	Check the magnetic rod
FAN1	Fan 1 error	Check fan connection
		Replace fan
FAN2	Fan 2 error	Check fan connection
		Replace fan
FAN3	Fan 3 error	Check fan connection
		Replace fan
FAN4	Fan 4 error	Check fan connection
		Replace fan
Focus	Focus error	Check module connection
		Make sure nothing is blocking the movement
		Check sensors for +/- 5V when open and closed
		Do a factory reset
		Update software

Error Code	Possible Reason	Potential Solution
Gobo	Gobo error	Check module connection
		Make sure nothing is blocking the movement
		Check sensors for +/- 5V when open and closed
		Do a factory reset
		Update software
Gobo.R	Gobo rotation error	Check module connection
		Make sure nothing is blocking the movement
		Check sensors for +/- 5V when open and closed
		Do a factory reset
		Update software
Gobo2	Gobo 2 error	Check module connection
		Make sure nothing is blocking the movement
		Check sensors for +/- 5V when open and closed
		Do a factory reset
		Update software
Head Fan1	Head Fan 1 is damaged	Replace head fan 1
	Fan wires have poor connection	Check fan wire connection
Head Fan2	Head Fan 2 is damaged	Replace head fan 2
	Fan wires have poor connection	Check fan wire connection
LED_HOT	Overheated LED	Do a factory reset
		Update software
		Check connections
		Check fan functions
MAGENTA	Magenta error	Check module connection
		Make sure nothing is blocking the movement
		Check sensors for +/- 5V when open and closed
		Do a factory reset
		Update software
Prism	Prism error	Check module connection
		Make sure nothing is blocking the movement
		Check sensors for +/- 5V when open and closed
		Do a factory reset
		Update software
R-OPEN	Thermistor open	Do a factory reset
		Update software
		Check connection
		Replace thermistor
R-SHORT	Thermistor short	Do a factory reset
		Update software
		Check connection
		Replace thermistor

Error Code	Possible Reason	Potential Solution
X_cm	Pan magnetic sensor error	Do a factory reset
		Update software
		Check connection
		Replace sensor
X_da	Pan data error	Do a factory reset
		Update software
		Check connection to motors and PCB
		Replace motor
X_op	Pan optocouple error	Replace motor driver PCB
		Do a factory reset
		Update software
		Check connection
Y_cm	Tilt magnetic sensor error	Replace sensor
		Do a factory reset
		Update software
		Check connection
Y_da	Tilt data error	Replace sensor
		Do a factory reset
		Update software
		Check connection to motors and PCB
Y_op	Tilt optocouple error	Replace motor
		Replace motor driver PCB
		Do a factory reset
		Update software
YELLOW	Yellow error	Check connection
		Check module connection
		Make sure nothing is blocking the movement
		Check sensors for +/- 5V when open and closed
Zoom	Zoom error	Do a factory reset
		Update software
		Check module connection
		Make sure nothing is blocking the movement
		Check sensors for +/- 5V when open and closed
		Do a factory reset
		Update software
		Check module connection

5. Maintenance

Product Maintenance

Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and/or mechanical wear. To maintain optimum performance and minimize wear, clean all lighting products at least twice a month. However, be aware that usage and environmental conditions could be contributing factors to increase the cleaning frequency.

To clean the product, follow the instructions below:

1. Unplug the product from power.
2. Wait until the product is at room temperature.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface/vents.
4. Clean all transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
5. Apply the solution directly to a soft, lint free cotton cloth or a lens cleaning tissue.
6. Softly drag any dirt or grime to the outside of the transparent surface.
7. Gently polish the transparent surfaces until they are free of haze and lint.



Always dry the transparent surfaces carefully after cleaning them.



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

Gobo Maintenance

To ensure optimal operation, 1) inspect and 2) clean gobos every four months. More frequent maintenance may be necessary if usage is higher.

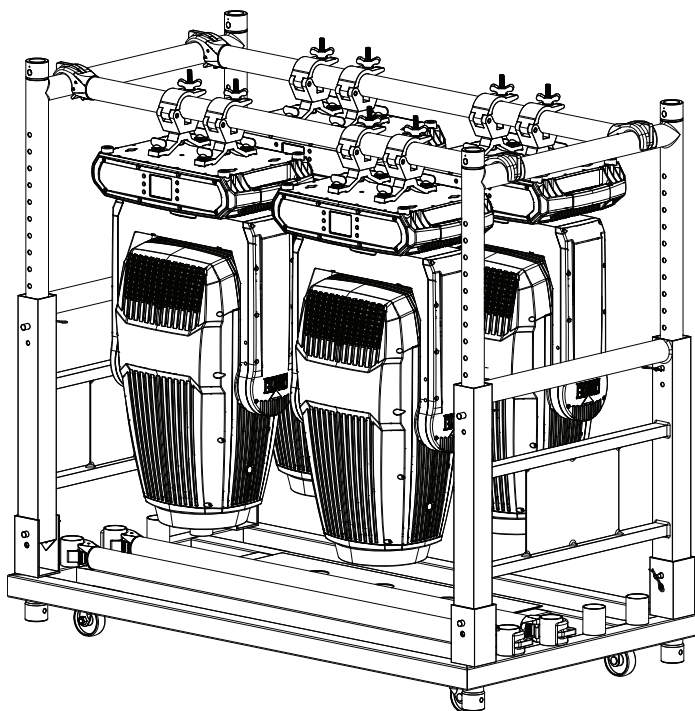
To inspect, remove each gobo holder and check if:

- The holders are clean (free of dirt, grime, or gunk).
- The gobos are properly installed in the holders.
- All the bearings are in place.
- The holders are rotating freely.

To clean the gobos and the gobo holder, follow the instructions below:

1. Remove the gobos from the holder.
2. Clean the gobos with a soft, lint-free cotton cloth. Use an ammonia-free glass cleaner sprayed to a piece of lint-free cotton cloth to clean glass gobos.
3. Submerge the gobo holder (without the gobo installed) in a container with a liquid lubricant (i.e., WD40) and let it rest for a couple of minutes.
4. Shake the container with the gobo holder inside to help release/loosen any gunk/grime/dirt.
5. Take the gobo holder out of the container and clean it using a small nylon brush.
6. Wipe off all the lubricant from the gobo holder using a piece of lint-free cotton cloth.
7. Apply a small coat of synthetic oil (i.e., Liquid Bearings) to the bearings and rotate it thoroughly in both directions (needle tip applicator recommended). Make sure the gobo holder is rotating freely and is not making any abnormal noise.
8. Reinstall the gobos in the gobo holder. Make sure the gobos are in the correct positions.
9. Reinstall the gobo holder in the unit.

Transporting on Truss or Racks



When transporting fixtures in pre-rigged truss and transportation racks, mount fixtures in the vertical position with the lenses facing down and the pan and tilt locks engaged. This is to prevent undue stress on the tilt locks and limit the amount of off-axis bounce on internal components.

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
15.5 in (394 mm)	9.8 in (250 mm)	25 in (636 mm)	48 lb (21.8 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	670 W	660 W	637 W	632 W	630 W
Operating current	6.70 A	5.45 A	3.10 A	2.79 A	2.70 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	12 A (1 products)	12 A (2 products)	12 A (3 products)	12 A (4 products)	12 A (4 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	470 W	4 A	50,000 hours

Photometrics

Beam Angle	Field Angle	Zoom Range	Cutoff Angle
6.2° to 45.7°	7.3° to 53°	6.2° to 54.4°	7.6° to 54.4°

Illuminance @ 5 m (6.2°)	Illuminance @ 5 m (54.4°)	Color Temperature	CRI	CRI with filter
46,624 lux	1,793 lux	7099K	68.8	89.4

Acoustic

Settings	Idle	Auto	Full	Max	ECO
Sound pressure level (dBA @ 1 m)	28.5	44.4	47.8	39.6	36.8

Thermal

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

DMX

I/O Connector	Channel Range
3 and 5-pin XLR	25 or 32

Art-Net™/sACN

I/O Connector	Channel Range
Amphenol XLR Net RJ45 in/out	25 or 32

Ordering

Product Name	Item Name	Item Code	UPC Number
Maverick Force 1 Spot	MAVERICKFORCE1SPOT	08011696	781462220440



UL 1573
CSA C22.2 No. 166
E113093



Contact Us

General Information	Technical Support
Chauvet World Headquarters	
Address: 3360 Davie Rd., Suite 509 Davie, FL 33314 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetdj.com
Chauvet U.K.	
Address: Pod 1 EVO Park Little Oak Drive, Sherwood Park Nottinghamshire, NG15 0EB UK Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: UKtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet Benelux	
Address: Vaartlaan 9 9800 Deinze Belgium Voice: +32 9 388 93 97	Email: BNLtech@chauvetlighting.eu Website: www.chauvetdj.eu
Chauvet France	
Address: 3, Rue Ampère 91380 Chilly-Mazarin France Voice: +33 1 78 85 33 59	Email: FRtech@chauvetlighting.fr Website: www.chauvetdj.eu
Chauvet Germany	
Address: Bruno-Bürgel-Str. 11 28759 Bremen Germany Voice: +49 421 62 60 20	Email: DEtech@chauvetlighting.de Website: www.chauvetdj.eu
Chauvet Mexico	
Address: Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	Email: servicio@chauvet.com.mx Website: www.chauvetdj.mx

Warranty & Returns

For warranty terms and conditions and return information, please visit our website.

For customers in the United States and Mexico: www.chauvetlighting.com/warranty-registration.

For customers in the United Kingdom, Republic of Ireland, Belgium, the Netherlands, Luxembourg, France, and Germany: www.chauvetlighting.eu/warranty-registration.