

# MAVERICK FORCE

## 3 PROFILE

### User Manual



Model ID: MAVERICKFORCE3PROFILE

**CHAUVET**  
PROFESSIONAL

## Edition Notes

The Maverick Force 3 Profile User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the Maverick Force 3 Profile 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.

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## Document Revision

Go to [www.chauvetprofessional.com](http://www.chauvetprofessional.com) for the latest version.

Revision	Date	Description
5	02/2025	Corrected DMX chart error

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## Before You Begin

# 1. Before You Begin

## What Is Included

- Maverick Force 3 Profile
- 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
<b>1–512</b>	A range of values
<b>50/60</b>	A set of values of which only one can be chosen
<b>Settings</b>	A menu option not to be modified
<b>&lt;ENTER&gt;</b>	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.

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 48.9 ft (14.9 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.
  - Flashing light is known to trigger epileptic seizures. User must comply with local laws regarding notification of strobe use.
- **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 handles or the hanging/mounting brackets 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

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### 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.

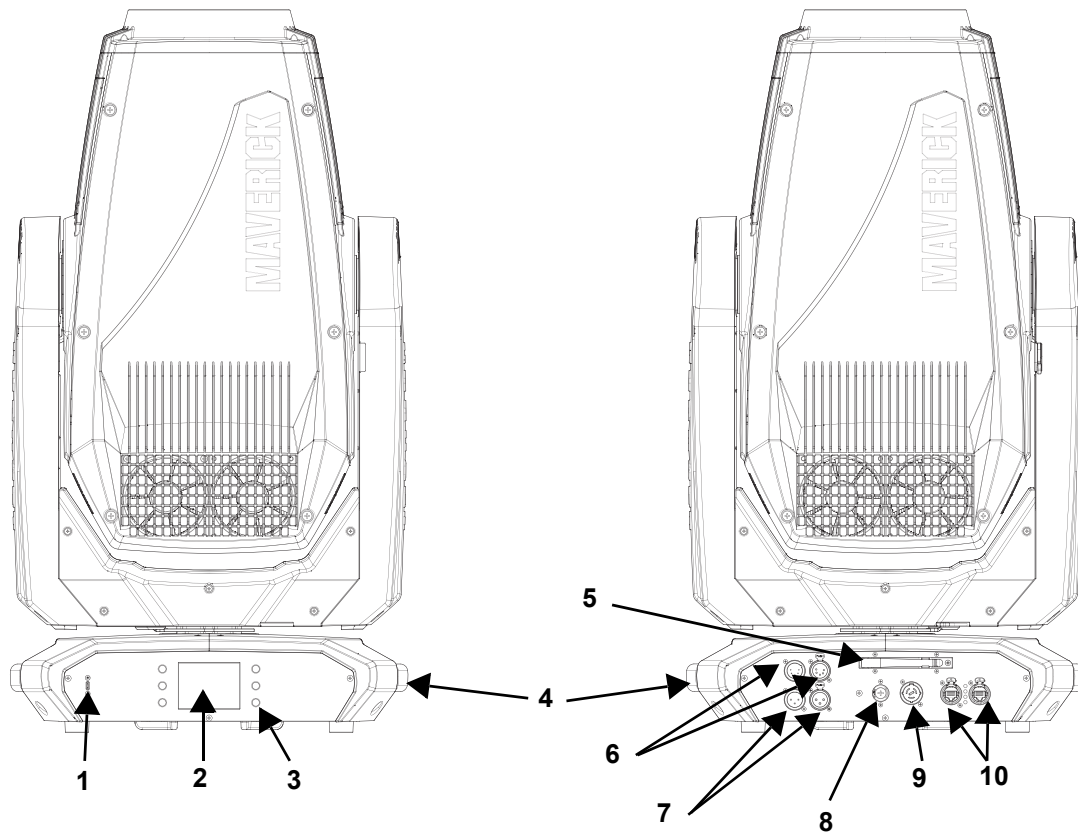
### Expected LED Lifespan

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

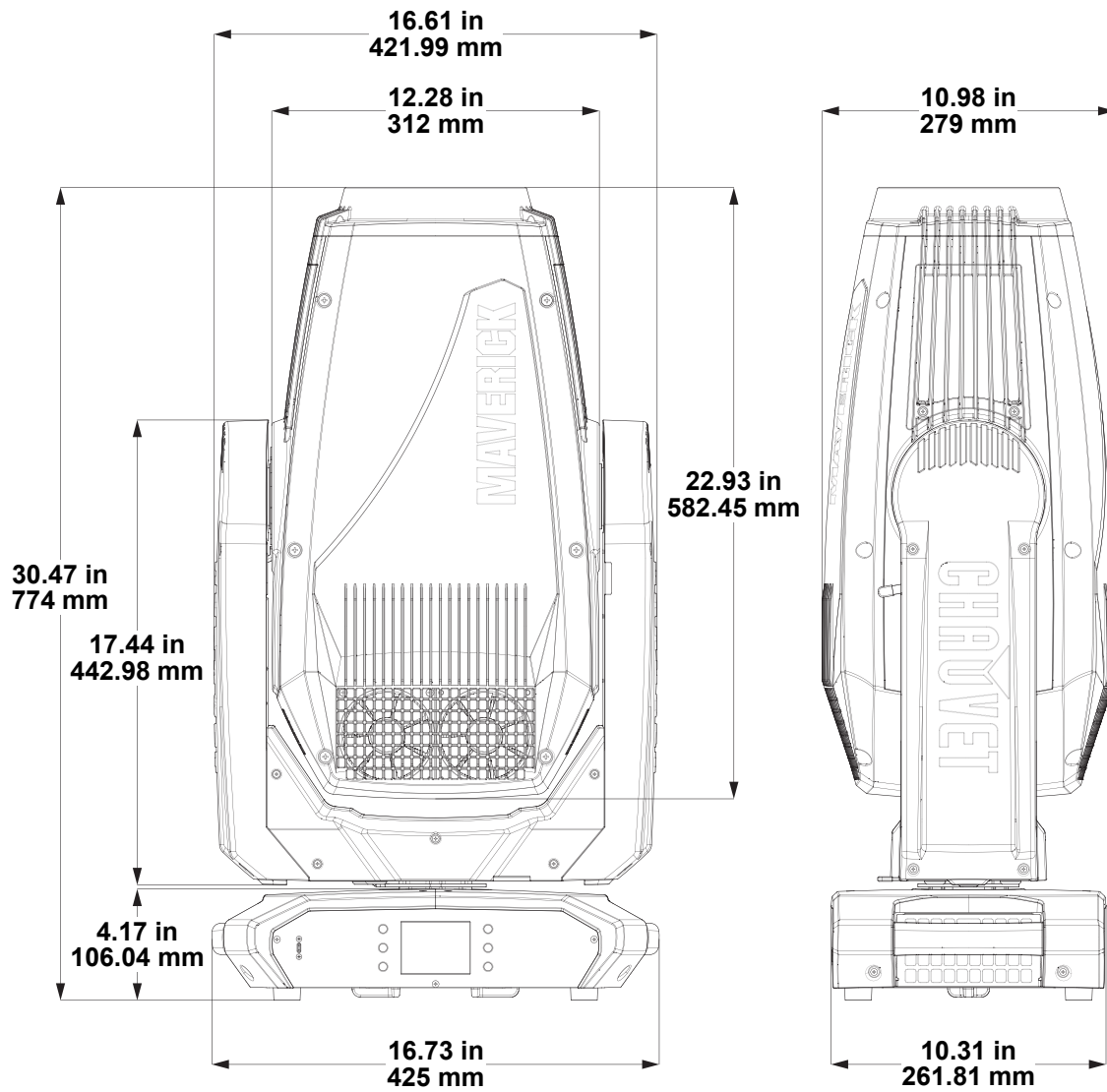
### Features

- Full-featured 915 W LED yoke profile fixture, including CMY+CTO color mixing, a four blade framing shutter system with rotation, a color wheel, a CRI filter, animation wheel, a 10:1 zoom, two independently layerable prisms, two frosts, and a static and a rotating gobo 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
- Independently layerable five-facet linear and five-facet round prisms for increased prism options
- One rotating and one static gobo wheel for dynamic texture possibilities
- Independent light and medium frosts for beam control
- + or – 60° rotation framing shutter system to allow for better framing positioning.
- Animation wheel for enhanced visual effects
- Iris for total beam control
- DMX, WDMX, sACN, and Art-Net for full flexibility of control options
- RDM control over DMX for fixture reporting
- 4.9° to 53.9° zoom angle for variable beam sizes
- Three menu presets and preset cross load for decreased shop setup time
- TRUE1-compatible power input
- USB slot for software uploads
- Battery backup display with auto-rotate depending on fixture orientation.
- Fail-safe Ethernet connectivity allows for data to pass even if fixture power is lost.

**Product Overview**

#	Name	#	Name
1	USB-C port	6	5-pin DMX in/out
2	LCD display	7	3-pin DMX in/out
3	Menu buttons	8	Fuse holder
4	Carry handles	9	Power in
5	Antenna	10	Ethernet ports

## Product Dimensions



## 3. Setup

### AC Power

The Maverick Force 3 Profile 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 (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 3 Profile comes with a power input cable terminated with a Seetronic Powerkon A connector on one end and an Edison plug on the other end (U.S. market). If the cable has no plug or it is necessary to change the plug, use the table below to wire a 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 20 A, 250 V).
4. Screw the fuse holder cap back in place and reconnect power.

### Signal Connections

The Maverick Force 3 Profile can receive a DMX, Art-Net™, or sACN, signal. The Maverick Force 3 Profile has two Amphenol XLRnet through ports, and both 3-pin 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 3 Profile uses a 3-pin or 5-pin DMX data connection, WDMX, Art-Net™, or sACN for its two control personalities: **Dmx Mode 37 CH** and **Dmx Mode 53 CH**.

- Refer to the [Operation](#) chapter to learn how to configure the Maverick Force 3 Profile 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](http://www.chauvetprofessional.com).

### DMX Linking

The Maverick Force 3 Profile can link to a DMX controller using a 3-pin 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](https://www.chauvetprofessional.com/wp-content/uploads/2016/06/DMX_Primer.pdf).

### 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 3 Profile supports RDM protocol that allows feedback to make changes to menu map options.

## Art-Net™ Connection

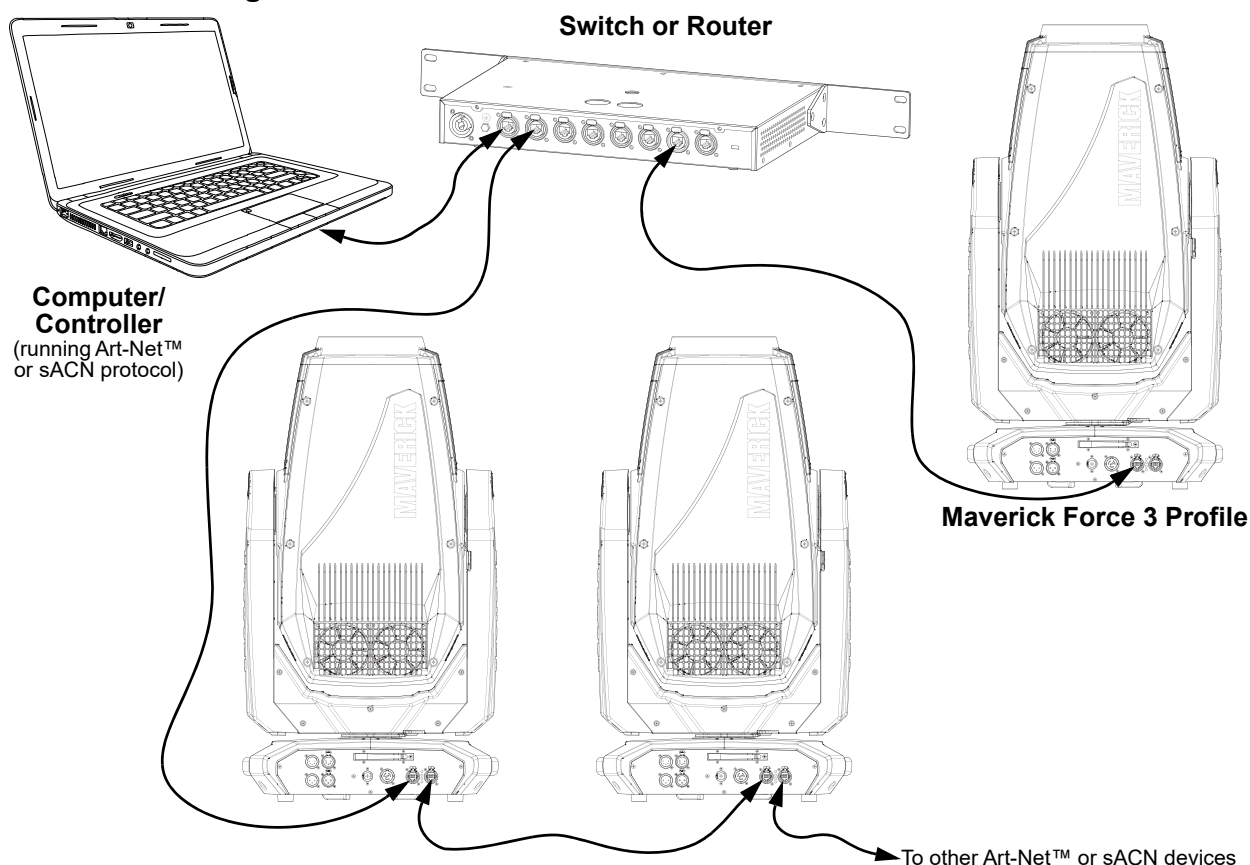
Art-Net™ is an Ethernet protocol that uses TCP/IP that transfers a large amount of DMX512 data using an Amphenol XLRnet RJ45 connection over a large network. An Art-Net™ protocol document is available from [www.chauvetprofessional.com](http://www.chauvetprofessional.com).

Art-Net™ designed by and copyright Artistic Licence Holdings Ltd.

## sACN Connection

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

## Connection Diagram





## USB Software Update

The Maverick Force 3 Profile 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 update 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

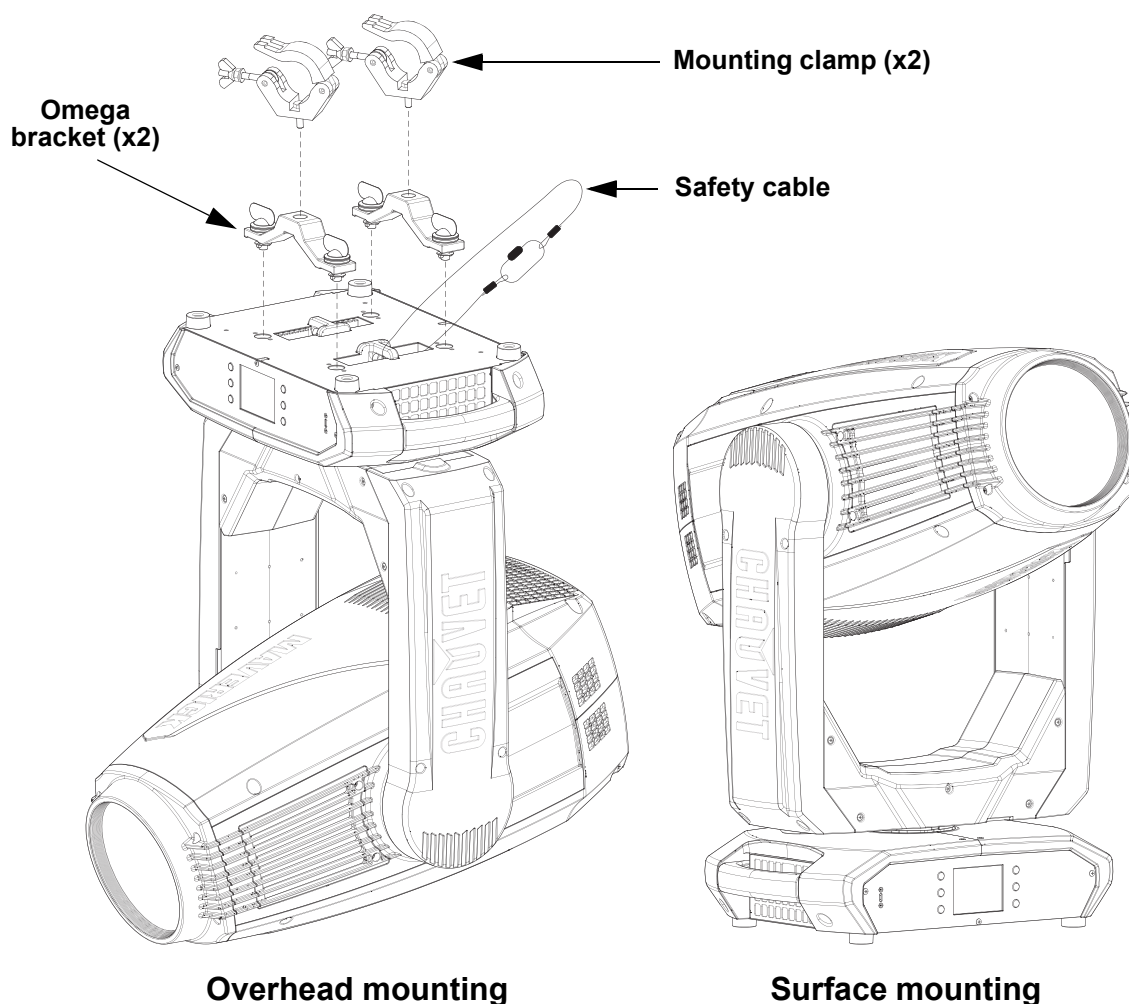
Chauvet recommends using the following general guidelines when mounting this product.

- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure and attachment points can support the weight before hanging the product (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 3 Profile comes with 2 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









## 4. Operation

### Touchscreen Control Panel

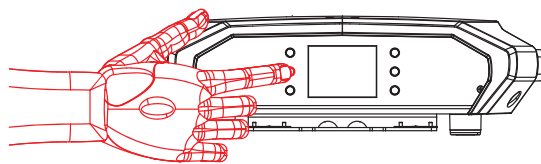
The Maverick Force 3 Profile has a touchscreen display as well as 6 control buttons. Navigate the menu structure by pressing the buttons, touching the images of the buttons on the sides of the display, or touching the desired menu option on the display directly. The touchscreen can be locked and calibrated through the Setup options in the menu. (See [Touchscreen Calibration](#) and [Touchscreen Lock](#).)

### Control Panel Description

Button	Name	Function
	<UP>	Navigates upwards through the menu list or increases the value when in a function
	<MENU>	Exits from the current menu or function
	<DOWN>	Navigates downwards through the menu list or decreases the value when in a function
	<LEFT>	Navigates leftwards through the menu list
	<ENTER>	Enables the currently displayed menu or sets the selected value into the function
	<RIGHT>	Navigates rightwards through the menu list

### Battery Powered Display

The Maverick Force 3 Profile has a battery powered display which 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 3 Profile 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).



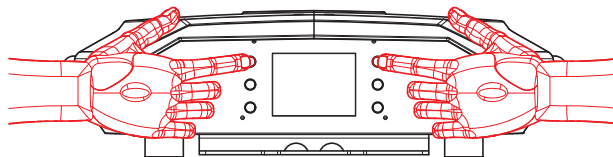
**When the control panel lock is activated, the product will prompt for the passcode in order to access the menu. Enter the passcode as described below.**

### Passcode

After being prompted to enter the passcode, enter the numbers **0920**.

### Technician Mode

The technician mode disables the pan/tilt motors, allowing the output of the product to be aimed by hand. To enable the technician mode of the Maverick Force 3 Profile, 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 3 Profile product page on [www.chauvetprofessional.com](http://www.chauvetprofessional.com) for the latest software and 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	____.____.____.____ (000–255)	Sets the IP address in Manual mode
	SubMask	____.____.____.____ (000–255)	Sets the Subnet Mask in Manual mode
Personality	Dmx Mode 37 CH	NO YES	Selects the 37-channel mode
	Dmx Mode 53 CH		Selects the 53-channel mode
Settings	Control Mode	DMX	Selects the DMX control protocol
		WDMX	Selects Lumenradio CRMX™
		ArtNet	Selects the Art-Net* control protocol
		sACN	Selects the sACN control protocol
	Pan Reverse	NO	Normal pan
		YES	Reversed pan
	Tilt Reverse	NO	Normal tilt
		YES	Reversed tilt
	Screen Reverse	NO	Normal screen display
		YES	Inverted screen 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
		090	90° tilt range
	BL. O. P/T Move	NO	Enable/disable blackout while panning/ tilting
		YES	
	BL. O. Color Move	NO	Enable/disable blackout while color wheel is moving
		YES	
	BL. O. Gobo Move	NO	Enable/disable blackout while gobo wheels are moving
		YES	
	Calibration	NO	Cancel calibration
		YES	Calibrate touchscreen
	Touchscreen Lock	NO	Touch screen enabled
		YES	Touch screen disabled
	Lock Screen	NO	Lock the buttons
		YES	Passcode: <b>0920</b>
	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	

Main Level	Programming Levels		Description
Settings (cont.)	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 <b>PWM Options</b> to <b>6000Hz</b> or <b>15000Hz</b> to prevent any possible harmonization noise.
	Dimmer Curve	Linear	Set the dimmer curve
		Square	
		I Squa	
		SCurve	
		Linear2	
	PWM Option	600Hz	Sets the Pulse Width Modulation frequency
		1200Hz	
		2000Hz	
		4000Hz	
		6000Hz	
	LED POWER	15000Hz	Sets the maximum LED output
		064–255	
	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	Transfers recorded preset menu options to other Maverick Force 3 Profile fixtures in the DMX daisy chain
		YES	
	USB Update	NO	Update firmware via USB C
		YES	
	Reset Function	Pan/Tilt	Reset individual functions or all functions from start-up
		Iris/Prism	
		Color/CMY/ Blade	
		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	000–255 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	
		Blade1- 1	
		Blade1- 1 Fine	
		Blade1- 2	
		Blade1- 2 Fine	
		Blade2- 1	
		Blade2- 1 Fine	
		Blade2- 2	
		Blade2- 2 Fine	
		Blade3- 1	
		Blade3- 1 Fine	
		Blade3- 2	
		Blade3- 2 Fine	
		Blade4- 1	
		Blade4- 1 Fine	
		Blade4- 2	
		Blade4- 2 Fine	
		Blade Rotate	
		Blade. Rota Fine	
		Focus	
		Focus Fine	
		Focus Auto	
		Zoom	
		Zoom Fine	

Main Level	Programming Levels			Description	
Test (cont.)	Manual Test (cont.)	Prism	000–255	Manually control and test all settings through the control panel	
		Prism Rotate			
		Prism2			
		Prism2 Rotate			
		Iris			
		Frost			
		Frost2			
		CMY Macro			
		CMY Macro Speed			
		Control			
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	
		Fixture Hours	_ _ _ _ _	Shows hours product has been on	
		LED Hours	_ _ _ _ _	Shows hours LED has been on	
		Ip	_ _ _ _ _ _ _ _	Shows current IP address	
		SubMask	_ _ _ _ _ _ _ _	Shows current Subnet Mask	
	Fan Information	Base Fan1–2	Speed	_ _ _ _	Shows speed of each fan in rpm
		Base Fan5–6	Speed	_ _ _ _	
		FAN1–2	Speed	_ _ _ _	
		FAN5–8	Speed	_ _ _ _	
		JFAN1–4	Speed	_ _ _ _	
		F-SPA	Speed	_ _ _ _	
		ZFAN1	Speed	_ _ _ _	
		XFAN	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					

Main Level	Programming Levels		Description
Information (cont.)	Channel Information (cont.)	Gobo Index	000–255  Shows all current values from input signals
		Gobo2	
		Animation	
		Animation Rotate	
		Blade1- 1	
		Blade1- 1 Fine	
		Blade1- 2	
		Blade1- 2 Fine	
		Blade2- 1	
		Blade2- 1 Fine	
		Blade2- 2	
		Blade2- 2 Fine	
		Blade3- 1	
		Blade3- 1 Fine	
		Blade3- 2	
		Blade3- 2 Fine	
		Blade4- 1	
		Blade4- 1 Fine	
		Blade4- 2	
		Blade4- 2 Fine	
		Blade Rotate	
		Blade. Rota Fine	
		Focus	
		Focus Fine	
		Focus Auto	
		Zoom	
		Zoom Fine	
		Prism	
		Prism Rotate	
		Prism2	
		Prism2 Rotate	
		Iris	
		Frost	
		Frost2	
		CMY Macro	
		CMY Macro Speed	
		Control	



## Operation

### Control Configuration

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

#### Control Mode

The Maverick Force 3 Profile 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**, **ArtNet**, **sACN**, or **WDMX**.

#### Control Personalities

To set the control personality:

1. Go to the **Personality** main level.
2. Select the desired personality, from **Dmx Mode 37 CH** or **Dmx Mode 53 CH**.



- See the [Starting Address](#) section for the highest selectable 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 (**001–512**).
  - The highest recommended starting address for **Dmx Mode 37 CH** is **476**.
  - The highest recommended starting address for **Dmx Mode 53 CH** is **460**.

### 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 3 Profile:

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 4 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 4 values of the subnet mask from **000–255**.

## Control Channel Assignments and Values

### DMX Values

37CH	53CH	Function	Value	Percent/Setting
1	1	Pan	000 ⇔ 255	0–100%
2	2	Fine pan	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	Fine dimmer	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	On
8	9	Virtual strobe	000 ⇔ 001	No function
			002 ⇔ 128	Shaking strobe, slow to fast
			129 ⇔ 255	Fading shake, 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	000 ⇔ 007	Open
			008 ⇔ 015	Color 1 (red)
			016 ⇔ 023	Color 2 (yellow)
			024 ⇔ 031	Color 3 (green)
			032 ⇔ 039	Color 4 (blue)
			040 ⇔ 047	Color 5 (CTO)
			048 ⇔ 059	Color 6 (CTB)
			060 ⇔ 187	Color wheel indexing
			188 ⇔ 219	Color scroll, fast to slow
			220 ⇔ 223	Stop
14	15	Gobo wheel 1 (see <a href="#">Gobo Wheels</a> )	224 ⇔ 255	Reverse color scroll, slow to fast
			000 ⇔ 007	Open
			008 ⇔ 015	Gobo 1
			016 ⇔ 023	Gobo 2
			024 ⇔ 031	Gobo 3
			032 ⇔ 039	Gobo 4
			040 ⇔ 047	Gobo 5
			048 ⇔ 055	Gobo 6
			056 ⇔ 063	Gobo 7
			064 ⇔ 071	Gobo 7 shaking, slow to fast
			072 ⇔ 079	Gobo 6 shaking, slow to fast
			080 ⇔ 087	Gobo 5 shaking, slow to fast
			088 ⇔ 095	Gobo 4 shaking, slow to fast
			096 ⇔ 103	Gobo 3 shaking, slow to fast
			104 ⇔ 111	Gobo 2 shaking, slow to fast
			112 ⇔ 119	Gobo 1 shaking, slow to fast
			120 ⇔ 127	Open
			128 ⇔ 191	Gobo scroll, fast to slow
			192 ⇔ 255	Reverse gobo scroll, slow to fast

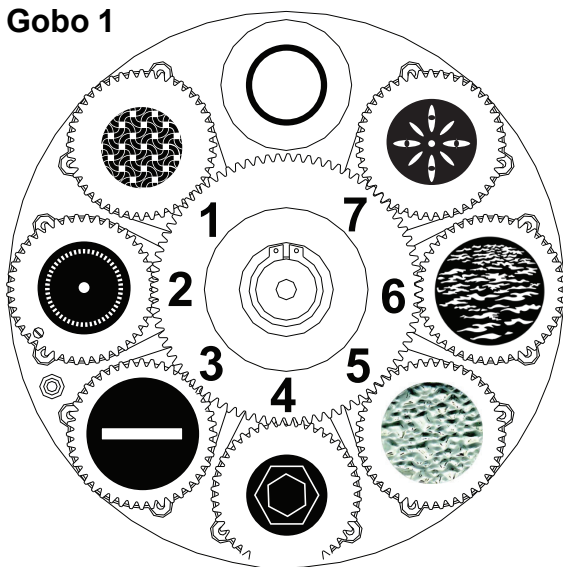
37CH	53CH	Function	Value	Percent/Setting
15	16	Gobo 1 rotation	000 ⇄ 063	Gobo indexing
			064 ⇄ 145	Gobo rotation, fast to slow
			146 ⇄ 149	Stop
			150 ⇄ 231	Reverse gobo rotation, slow to fast
			232 ⇄ 255	Gobo bounce, short to long
–	17	Gobo 1 fine indexing	000 ⇄ 255	Gobo fine indexing
16	18	Gobo wheel 2 (see <a href="#">Gobo Wheels</a> )	000 ⇄ 005	Open
			006 ⇄ 011	Gobo 1
			012 ⇄ 017	Gobo 2
			018 ⇄ 023	Gobo 3
			024 ⇄ 029	Gobo 4
			030 ⇄ 035	Gobo 5
			036 ⇄ 041	Gobo 6
			042 ⇄ 047	Gobo 7
			048 ⇄ 053	Gobo 8
			054 ⇄ 063	Gobo 9
			064 ⇄ 069	Gobo 9 shaking, slow to fast
			070 ⇄ 075	Gobo 8 shaking, slow to fast
			076 ⇄ 081	Gobo 7 shaking, slow to fast
			082 ⇄ 087	Gobo 6 shaking, slow to fast
			088 ⇄ 093	Gobo 5 shaking, slow to fast
			094 ⇄ 099	Gobo 4 shaking, slow to fast
			100 ⇄ 105	Gobo 3 shaking, slow to fast
			106 ⇄ 111	Gobo 2 shaking, slow to fast
			112 ⇄ 117	Gobo 1 shaking, slow to fast
			118 ⇄ 127	Open
			128 ⇄ 191	Gobo scroll, fast to slow
			192 ⇄ 255	Reverse gobo scroll, slow to fast
17	19	Animation wheel	000 ⇄ 255	0–100%
18	20	Animation rotation	000 ⇄ 124	Animation rotation, fast to slow
			125 ⇄ 130	Stop
			131 ⇄ 255	Reverse animation rotation, slow to fast
19	21	Blade 1-1	000 ⇄ 255	0–100%
–	22	Blade 1-1 fine	000 ⇄ 255	Fine control (16-bit)
20	23	Blade 1-2	000 ⇄ 255	0–100%
–	24	Blade 1-2 fine	000 ⇄ 255	Fine control (16-bit)
21	25	Blade 2-1	000 ⇄ 255	0–100%
–	26	Blade 2-1 fine	000 ⇄ 255	Fine control (16-bit)
22	27	Blade 2-2	000 ⇄ 255	0–100%
–	28	Blade 2-2 fine	000 ⇄ 255	Fine control (16-bit)
23	29	Blade 3-1	000 ⇄ 255	0–100%
–	30	Blade 3-1 fine	000 ⇄ 255	Fine control (16-bit)
24	31	Blade 3-2	000 ⇄ 255	0–100%
–	32	Blade 3-2 fine	000 ⇄ 255	Fine control (16-bit)
25	33	Blade 4-1	000 ⇄ 255	0–100%
–	34	Blade 4-1 fine	000 ⇄ 255	Fine control (16-bit)
26	35	Blade 4-2	000 ⇄ 255	0–100%
–	36	Blade 4-2 fine	000 ⇄ 255	Fine control (16-bit)
27	37	Frame rotation	000 ⇄ 255	0–100%
–	38	Fine frame rotation	000 ⇄ 255	Fine control (16-bit)
28	39	Focus	000 ⇄ 255	0–100%

37CH	53CH	Function	Value	Percent/Setting
–	40	<b>Fine focus</b>	000 ⇄ 255	Fine control (16-bit)
–	41	<b>Auto Focus</b>	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
29	42	<b>Zoom</b>	000 ⇄ 255	0–100%
–	43	<b>Fine Zoom</b>	000 ⇄ 255	Fine control (16-bit)
30	44	<b>Prism</b>	000 ⇄ 004	No function
			005 ⇄ 255	Prism insert
31	45	<b>Prism rotation</b>	000 ⇄ 127	Prism index
			128 ⇄ 189	Prism rotation, fast to slow
			190 ⇄ 193	Stop
			194 ⇄ 255	Reverse prism rotation, slow to fast
32	46	<b>Prism 2</b>	000 ⇄ 004	No function
			005 ⇄ 255	Prism insert
33	47	<b>Prism 2 rotation</b>	000 ⇄ 127	Prism index
			128 ⇄ 189	Prism rotation, fast to slow
			190 ⇄ 193	Stop
			194 ⇄ 255	Reverse prism rotation, slow to fast
34	48	<b>Iris</b>	000 ⇄ 063	Big to small
			064 ⇄ 127	Auto change, slow to fast
			128 ⇄ 191	Slow open, fast close (slow to fast)
			192 ⇄ 255	Slow close, fast open (slow to fast)
35	49	<b>Frost</b>	000 ⇄ 255	0–100%
36	50	<b>Frost 2</b>	000 ⇄ 255	0–100%
–	51	<b>CMY Macro</b>	000 ⇄ 009	No function
			010 ⇄ 255	CMY macro
–	52	<b>CMY Macro Speed</b>	000 ⇄ 255	CMY macro speed, fast to slow

37CH	53CH	Function	Value	Percent/Setting
37	53	<b>Control</b> (3 second hold)	000 ⇔ 007	No function
			008 ⇔ 015	Blackout on pan/tilt
			016 ⇔ 023	Blackout on color wheel movement
			024 ⇔ 031	Blackout on gobo wheel movement
			032 ⇔ 039	Blackout on pan/tilt/color wheel
			040 ⇔ 047	Blackout on pan/tilt/gobo wheel
			048 ⇔ 055	Blackout on pan/tilt/color/gobo wheel
			056 ⇔ 059	Pulse width modulation 600 Hz
			060 ⇔ 063	Pulse width modulation 1200 Hz
			064 ⇔ 067	Pulse width modulation 2000 Hz
			068 ⇔ 071	Pulse width modulation 4000 Hz
			072 ⇔ 075	Pulse width modulation 6000 Hz
			076 ⇔ 079	Pulse width modulation 15000 Hz
			080 ⇔ 095	No function
			096 ⇔ 103	Reset pan
			104 ⇔ 111	Reset tilt
			112 ⇔ 119	Reset color wheel
			120 ⇔ 127	Reset gobo wheels
			128 ⇔ 131	Gobo wheel CTB on
			132 ⇔ 135	Gobo wheel CTB off
			136 ⇔ 143	Reset prism
			144 ⇔ 151	Reset framing blades
			152 ⇔ 159	Reset all
			160 ⇔ 167	Reset iris
			168 ⇔ 175	Reset frost and animation
			176 ⇔ 183	Reset zoom
			184 ⇔ 191	Reset CMY and CTO
			192 ⇔ 199	Fan mode ECO
			200 ⇔ 207	Fan mode Full
			208 ⇔ 215	Fan mode Auto
			216 ⇔ 220	Fan mode TV25
			221 ⇔ 225	Fan mode TV35
			226 ⇔ 230	No function
			231 ⇔ 235	Swap XY on
			236 ⇔ 240	Swap XY off
			241 ⇔ 255	No function

## Gobo Wheels

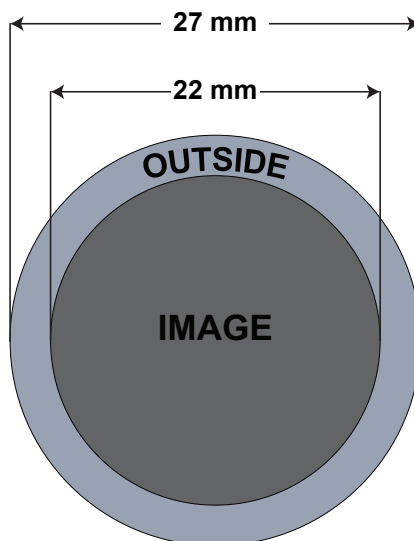
Gobo 1



Gobo 2



## Gobo Dimensions



## Gobo Replacement

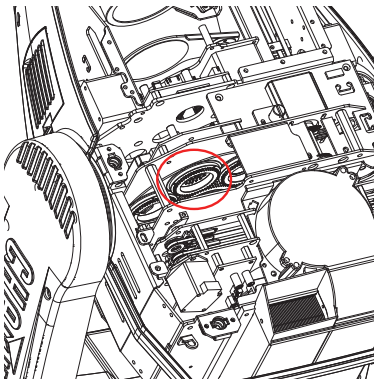
The gobos in gobo wheel 1 are removable from their gobo holders. This operation is quite simple, although it requires the technician to carefully follow the recommended procedure.

- **Make sure to disconnect the product's power 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.**

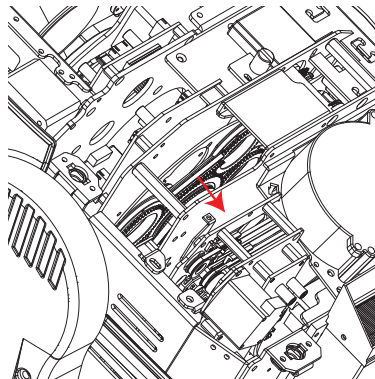
### Procedure

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 (direction 1 in the diagram). Be careful not to push the gobo out of the gobo holder.
4. Extract the gobo holder by pulling it outward (direction 2 in the diagram).
5. On a flat surface, remove the expansion ring that holds the gobo in place and remove the gobo from the gobo holder.
6. Insert a new gobo and hold it in place with the expansion ring.
7. Slide the tip of the gobo holder under the pressure plate near the center of the gobo wheel.
8. Push the gobo holder inwards. DO NOT force the gobo holder into the gobo wheel slot. If correctly installed, the gobo holder should easily slide into the gobo wheel slot.

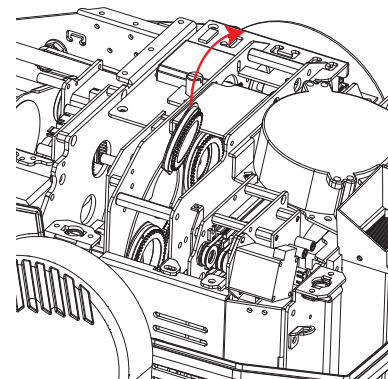
### Diagram



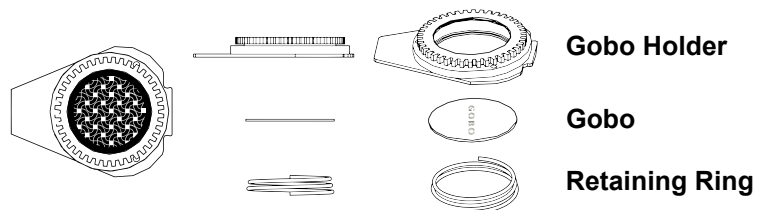
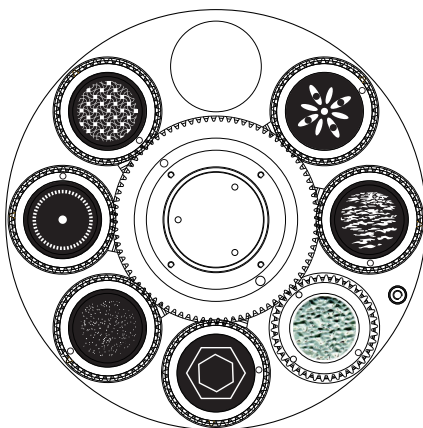
**Locate**



**Pull Back**



**Remove**



- Gobo illustrations are for reference purposes only. Gobo designs may differ from those installed in the product.
- See [Gobo Maintenance](#) for instructions on how to clean the gobos and gobo holder.

## 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** (automatic orientation).

### 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** (260°), **180** (180°), or **090** (90°).

### Black out on Movement

To set the product to black out while the pan/tilt, color wheel, or gobo wheels are moving:

1. Go to the **Settings** main level.
2. Select from the **BL. O. P/T Move** (black out on pan/tilt movement), **BL. O. ColorMove** (black out on color wheel movement), or **BL. O. GoboMove** (black out on gobo wheel movement) options.
3. Select from **NO** or **YES**.

### Touchscreen Calibration

To calibrate the touchscreen:

1. Go to the **Settings** main level.
2. Select the **Calibration** option.
3. Select from **NO** (cancel), 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 controls for the pan and tilt:

1. Go to the **Settings** main level.
2. Select the **Swap XY** option.
3. Select from **NO** (pan controls pan, tilt controls tilt) or **YES** (pan controls tilt, tilt controls pan).



## Operation

### WDMX Reset

To reset the WDMX connection:

1. Go to the **Settings** main level.
2. Select the **WDMX Reset** option.
3. Select from **NO** or **YES**.

### Display Backlight Timer

To set how long 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 select how the product will respond to a loss of the control signal:

1. Go to the **Settings** main level.
2. Select the **Loss of Data** option.
3. Select from **Hold** (holds last signal received) or **Close** (blacks out fixture).

### 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 a consistent LED output up to an ambient temperature of 77 °F [25 °C]), or **TV35** (maintains a consistent LED output up to an ambient temperature of 95 °F [35 °C]).



**When using the fan modes TV25 or TV35, please set the PWM Options to 6000Hz or 15000Hz to prevent any possible harmonization noise.**

### 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**, **LSqua**, **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**, **2000Hz**, **4000Hz**, **6000Hz**, or **15000Hz**.

### LED Power

To set the maximum power of the LED output:

1. Go to the **Settings** main level.
2. Select the **LED POWER** option.
3. Set the power from **064–255**.

### 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** (manual independent zoom control) or **YES** (focus adjusts depending on zoom setting).

## 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.
- If no Preset has been selected, changes to settings save to PRESET A.
- After selecting a Preset, the product will restart.

## Preset Synchronization

To transfer saved Presets from one Maverick Force 3 Profile to another:

1. Connect the Maverick Force 3 Profile products to receive the Presets by a DMX daisy chain.
2. Make the Maverick Force 3 Profile with the Presets to transfer the first 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** (**DMX**, **ArtNet**, or **sACN**).
5. On the Maverick Force 3 Profile with the Presets, go to the **Settings** main level.
6. Select the **Preset Sync** option.
7. Select **NO** (to cancel) or **YES** (to transfer the Presets to the connected products).



- All menu configurations are transferred except for the IP address.
- ONLY connect Maverick Force 3 Profile 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 [Signal Connections](#) section for the detailed instructions on how to update the Maverick Force 3 Profile software using a USB C connection.

## 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**, **IrisPrism**, **Color/CMY/Blade**, **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 settings:

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

## Operation

### Test Mode

#### Auto Test

To have the Maverick Force 3 Profile 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 3 Profile:

1. Go to the **Test** main level.
2. Select the **Manual Test** option.
3. Select a function to test, from **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, Blade1- 1, Blade1- 1 Fine, Blade1- 2, Blade1- 2 Fine, Blade2- 1, Blade2- 1 Fine, Blade2- 2, Blade2- 2 Fine, Blade3- 1, Blade3- 1 Fine, Blade3- 2, Blade3- 2 Fine, Blade4- 1, Blade4- 1 Fine, Blade4- 2, Blade4- 2 Fine, Blade Rotate, Blade Rota Fine, Focus, Focus Fine, Focus Auto, Zoom, Zoom Fine, Prism, Prism Rotate, Prism2, Prism2 Rotate, Iris, Frost, Frost2, CMY Macro, CMY Macro Speed, or Control.**
4. Increase or decrease the value of the selected function from **0–255** 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 this information:

1. Go to the **Information** main level.
2. Select from the **Fixture Information, Fan Information, Error Information, or Channel Information** options.
3. Use **<UP>** and **<DOWN>** to view all information.

### Zero Adjust Mode

The Zero Adjust mode provides fine adjustments for the home position of every moving part in the optical path as well as the pan and tilt movements. To adjust these options and prevent borders showing or 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, PRISM2, PRISM2 ROT, IRIS, FROST, FROST2, CYAN, MAGENTA, YELLOW, CTO, BLADE1- 1, BLADE1- 2, BLADE2- 1, BLADE2- 2, BLADE3- 1, BLADE3- 2, BLADE4- 1, BLADE4- 2, BLADE ROTATE, DIMMER1, DIMMER2, DIMMER3, RDM ID4, RDM ID5, RDM ID6, MAC4, MAC5, or MAC6.**
4. Adjust the "zero" position for the selected function from **000–255**.

## Web Server

The Maverick Force 3 Profile Web Server can be accessed by any computer on the same network as the product. It allows network access to system information, 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, and set the [Control Mode](#) to **ArtNet** and the [IP Mode](#) to **Static**.
2. Connect the product to a Windows computer with a network cable.
3. 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](#).
4. Enter the IP address of the product into the URL bar of a web browser on the computer.
5. 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 3 Profile.

### 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
<b>Base Fan1</b>	Base fan 1 error	Check fan connection
		Replace fan
<b>Base Fan2</b>	Base fan 2 error	Check fan connection
		Replace fan
<b>Base Fan5</b>	Base fan 5 error	Check fan connection
		Replace fan
<b>Base Fan6</b>	Base fan 6 error	Check fan connection
		Replace fan
<b>BladeR</b>	Framing shutter error <sup>4</sup>	Check module connection
		Make sure nothing is blocking the movement of the shutters/blade
		Check sensors for +/- 5v when open and closed
		Do a factory reset
		Update software
<b>Color</b>	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
<b>CPU-A</b>	Display CPU	Do a factory reset
		Update software
<b>CPU-B</b>	Pan/tilt CPU	Do a factory reset
		Update software
<b>CPU-C</b>	Gobo/Color CPU error	Do a factory reset
		Update software
<b>CPU-D</b>	Zoom/Focus CPU error	Do a factory reset
		Update software
<b>CPU-E</b>	CMY CPU error	Do a factory reset
		Update software
<b>CPU-F</b>	Framing shutter CPU error	Do a factory reset
		Update software
<b>CPU-G</b>	Framing shutter CPU error	Do a factory reset
		Update software
<b>CPU-H</b>	Fan CPU error	Do a factory reset
		Update software
<b>CTO</b>	CTO/CMY 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
<b>CYAN</b>	Cyan 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
<b>FAN1</b>	Fan 1 error	Check fan connection Replace fan
<b>FAN2</b>	Fan 2 error	Check fan connection Replace fan
<b>FAN5</b>	Fan 5 error	Check fan connection Replace fan
<b>FAN6</b>	Fan 6 error	Check fan connection Replace fan
<b>FAN7</b>	Fan 7 error	Check fan connection Replace fan
<b>FAN8</b>	Fan 8 error	Check fan connection Replace fan
<b>Focus</b>	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
<b>F-SPA</b>	Framing shutter fan 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
<b>Gobo</b>	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
<b>Gobo2</b>	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

Error Code	Possible Reason	Potential Solution
<b>Gobo.R</b>	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
<b>JFAN1</b>	JFAN1 error	Check fan connection Replace fan
<b>JFAN2</b>	JFAN2 error	Check fan connection Replace fan
<b>JFAN3</b>	JFAN3 error	Check fan connection Replace fan
<b>JFAN4</b>	JFAN4 error	Check fan connection Replace fan
<b>LED_HOT</b>	Overheated LED	Do a factory reset
		Update software
		Check connections
		Check fan functions
<b>MAGENTA</b>	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
<b>YELLOW</b>	Yellow 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
<b>Prism</b>	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
<b>Prism2</b>	Prism 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

Error Code	Possible Reason	Potential Solution
<b>Prism2.R</b>	Prism 2 rotating 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
<b>Zoom</b>	Zoom 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
<b>R-OPEN</b>	Thermistor open	Do a factory reset
		Update software
		Check connection
		Replace thermistor
<b>R-SHORT</b>	Thermistor short	Do a factory reset
		Update software
		Check connection
		Replace thermistor
<b>X_cm1</b>	Pan magnetic sensor 1 error	Do a factory reset
		Update software
		Check connection
		Replace sensor
<b>X_op</b>	Pan optocouple error	Do a factory reset
		Update software
		Check connection
		Replace sensor
<b>Y_cm</b>	Tilt magnetic sensor error	Do a factory reset
		Update software
		Check connection
		Replace sensor
<b>Y_op</b>	Tilt optocouple error	Do a factory reset
		Update software
		Check connection
<b>XFAN</b>	XFAN error	Check fan connection
		Replace fan
<b>ZFAN1</b>	ZFAN1 error	Check fan connection
		Replace fan



# 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 each lighting product 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.**

## 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.

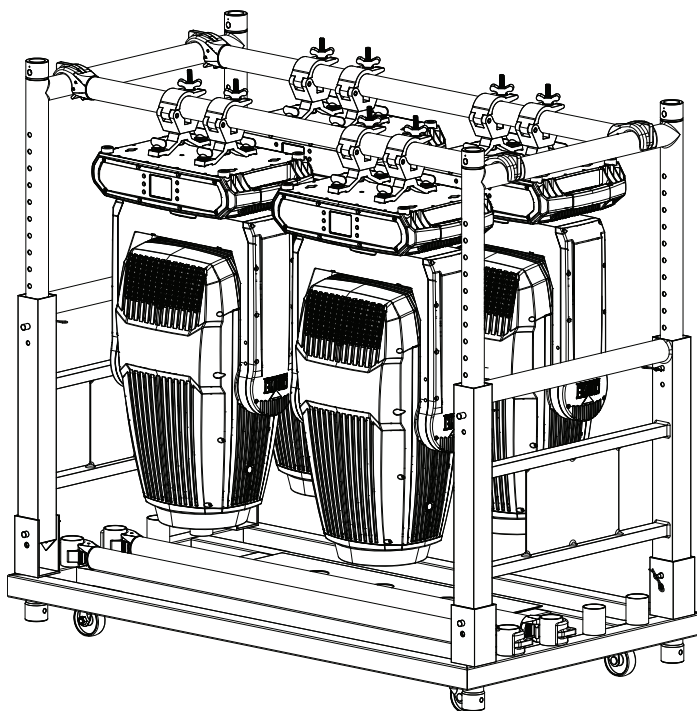
To inspect, remove each gobo holder and check if:

- 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
16.73 in (425 mm)	10.98 in (279 mm)	30.47 in (774 mm)	84.2 lb (38.2 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	1250 W	1229 W	1203 W	1200 W	1200 W
Operating Current	12.58 A	10.30 A	5.94 A	5.40 A	5.19 A
Fuse/Breaker	F20 A, 250 V	F20 A, 250 V	F20 A, 250 V	F20 A, 250 V	F20 A, 250 V

Power I/O	U.S./Worldwide	UK/Europe
Power Input Connector	Seetronic Powerkon A	Seetronic Powerkon A
Power Cable plug	Edison	Local plug

### Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Cool white	1	915 W	4.3 A	50,000 hours

### Photometrics

Beam Angle	Field Angle	Cutoff Angle	Zoom Range
4.9 ° to 42.8°	5.8° to 49.4°	6.5° to 53.6°	4.9° to 53.9°

Front Lens Diameter	Illuminance (4.9°)	Illuminance (53.9°)
160 mm	130,582 lux @ 5 m	3,792 lux @ 5 m

### Acoustic

Parameter	Idle	Max	ECO	Auto	Full	TV25	TV35
Sound pressure level @1m	38.1 dBA	40.3 dBA	36.6 dBA	39.8 dBA	47.1 dBA	41.4 dBA	35.5 dBA

### Thermal

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

### Control

DMX I/O Connector	Ethernet I/O Connector	Channel Range
3-pin and 5-pin XLR	Amphenol XLR Net RJ45	37 or 53

### Ordering

Product Name	Item Name	Item Code	UPC Number
Maverick Force 3 Profile	MAVERICKFORCE3PROFILE	08011745	781462220938



UL 1573  
CSA C22.2 No. 166  
E113093



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## 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](http://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](http://www.chauvetlighting.eu/warranty-registration).