MAVERICK FORCE X PROFILE

User Manual

Model ID: MAVERICKFORCEXPROFILE

CHAUVET PROFESSIONAL

Edition Notes

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

Revision	Date	Description
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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 5
Product Dimensions 6
3. Setup 7
AC Power 7
AC Plug 7
Fuse Replacement 7
Power Linking 7
Signal Connections 7
Control Personalities 7
DMX Linking 8
Remote Device Management 8
Art-Net™ Connection 8
sACN Connection 8
Ethernet Connection Diagram 8
Lumenradio CRMX™ Connection 9
Initial Setup 9
Configuration 9
Product Pairing 9
USB Software Update 9
Mounting 10
Orientation 10
Rigging 10
Procedure 10
Gobo Wheels 12
Gobo Dimensions 12
Gobo Replacement 13
Procedure 13
Diagram 13
4. Operation 14
Control Panel Description 14
Control Options 14
Programming 14
Battery Powered Display 14
Home Screen 14
Control Panel Lock 14

Passcode 14
Menu Map 15
DMX Configuration 20
DMX Personalities 20
Starting Address 20
Control Mode 20
Universe 20
Network Setup 20
DMX Channel Assignments and Values 21
Settings Configuration 25
Pan Reverse 25
Tilt Reverse 25
Screen Reverse 25
Pan Angle 25
Tilt Angle 25
Black out on Movement 25
Swap Pan and Tilt 25
CRMX Reset 25
Display Backlight Timer 25
Loss of Data 26
Fan Mode 26
Dimmer Curve 26
LED Power 26
Minimum Zoom Focus 26
Preset Selection 26
Preset Synchronization 27
Reset Function 27
Factory Reset 27
Test Mode 27
Auto Test 27
Manual Test 27
System Information 28
Zero Adjust Mode 28
Web Server 28
Error Codes 29
5. Maintenance 31
Product Maintenance 31
Gobo Maintenance 31
Transporting on Truss or Racks 32
6. Technical Specifications 33
Contact Us 34

1. Before You Begin

What Is Included

- Maverick Force X 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 a 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 32.8 ft (10 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 100 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).
  - Use for space-heating purposes.
- ONLY use the hanging/mounting bracket to carry this product.
- The maximum ambient temperature is 176 °F (80 °C). Do not operate this product at higher temperatures.
- The minimum ambient temperature is -4°F (-20°C). Do not start 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 this Chauvet product requires service, contact Chauvet Technical Support.

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

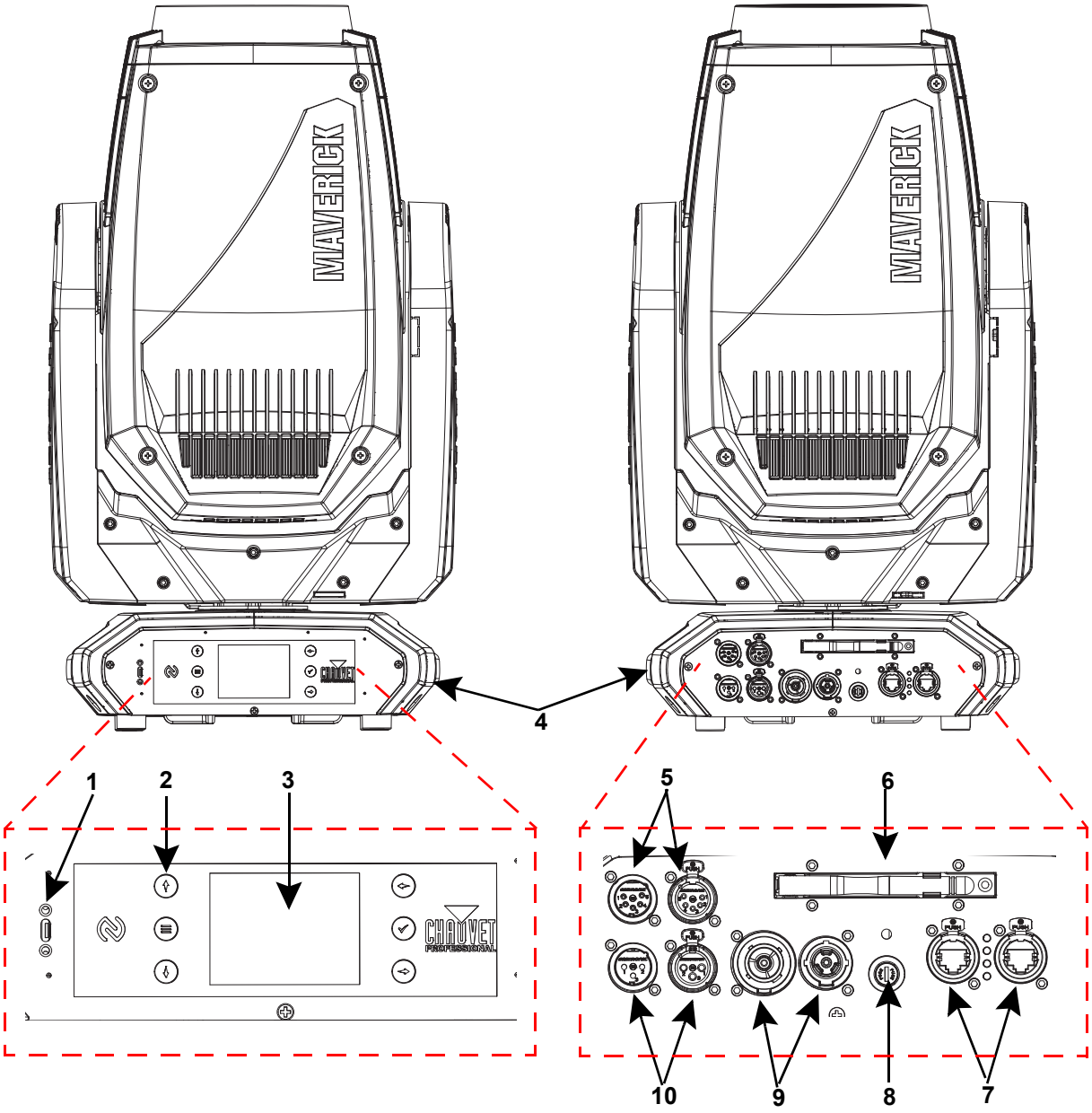
Over time, use and heat will gradually reduce LED brightness. Clustered LEDs produce more heat than single LEDs, contributing to shorter lifespans if always used at full intensity. The average LED lifespan is 40,000 to 50,000 hours. To extend LED lifespan, maintain proper ventilation around the product,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

2. Introduction

Features

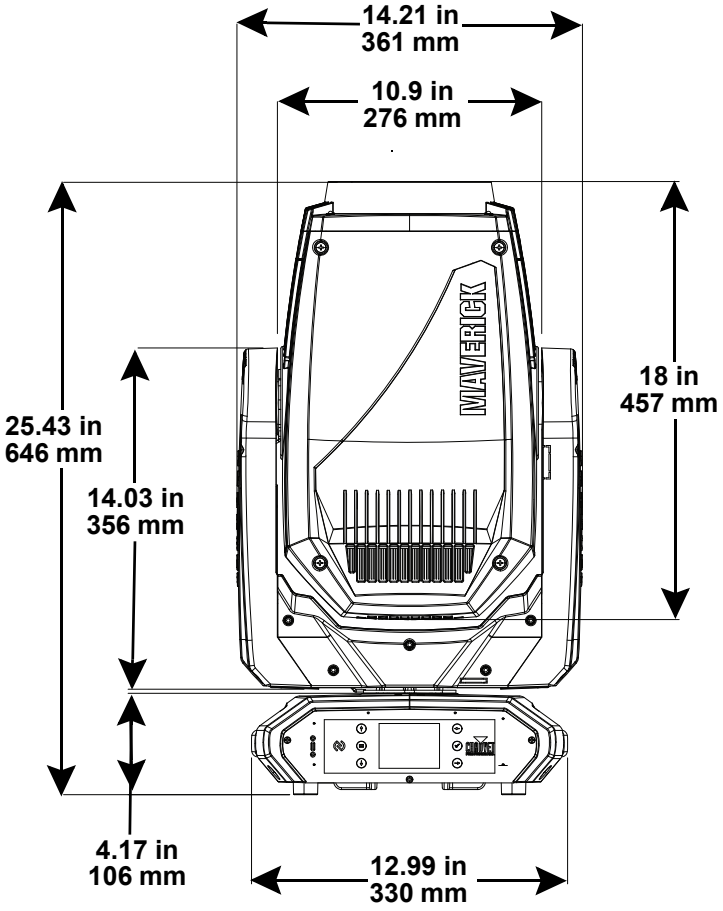
- Fully featured, compact and lightweight 520 W LED yoke profile fixture including CMY color mixing, a color wheel, zoom optics, framing shutters with rotation, and two gobo wheels, one rotating, and one static
- 16-bit dimming of master dimmer for smooth control of fades
- 65,000 PWM for use with the fastest frame cameras, but still maintains fantastic dimming
- Variable CMY color mixing system to create a wide pallet of colors
- DMX, CRMX, sACN, and Art-Net for full flexibility of control options
- RDM Enabled for remote addressing and trouble shooting
- 3.5° to 57.3° zoom range for variable beam sizes
- Iris, 5-facet prism, and frost for beam control
- 4 blade framing shutters with dual axis movement, full wipe, and 120 degree total module rotation
- 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
- NFC for quick and easy fixture setup in the shop or in the field

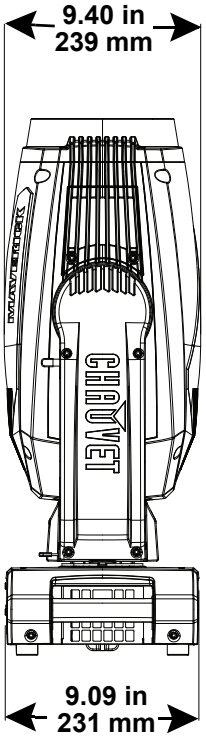
Product Overview



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

Product Dimensions





3. Setup

AC Power

The Maverick Force X 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). Ensure 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 X 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 power cable which came with the product has no plug, or if 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 (F10 A, 250 V).
4. Screw the fuse holder cap back in place and reconnect power.

Power Linking

It is possible to power link Maverick Force X Profile 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	6.01 A	5.98 A	2.82 A	2.58 A	2.45 A

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

Signal Connections

The Maverick Force X Profile can receive a DMX, Art-Net™, sACN, or a wireless Lumenradio CRMX™ signal. The product has 2 Seetronic Etherkon-compatible through ports 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 X Profile uses a 3- or 5-pin DMX data connection, Art-Net™, sACN, or wireless CRMX™ for its two control personalities, from **DMX Mode 31 CH** or **DMX Mode 47 CH**.

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

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

DMX Linking

The Maverick Force X Profile can link to a DMX controller using a 3- or 5-pin DMX connection or a CRMX™ connection. For more information about DMX, read the DMX primer at: 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 X Profile supports RDM protocol that allows feedback to make changes to menu map options.

Art-Net™ Connection

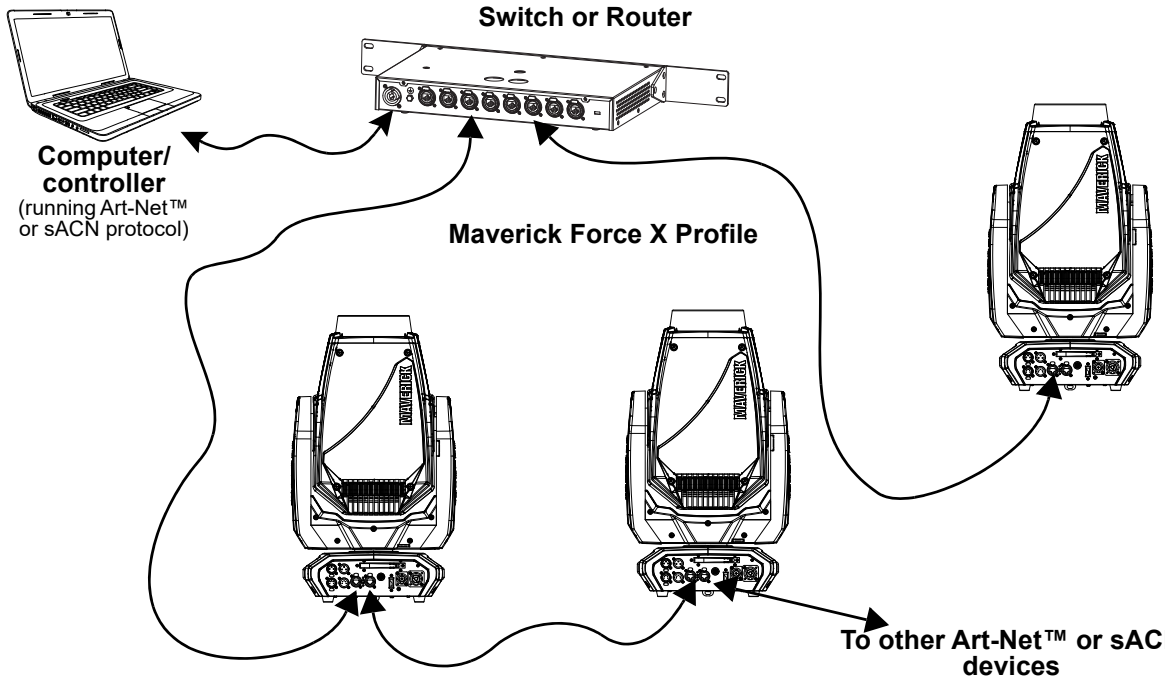
Art-Net™ is an Ethernet protocol that uses TCP/IP which transfers a large amount of DMX512 data using an ethernet connection over a large network. An Art-Net™ protocol document is available from www.chauvetprofessional.com.

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

sACN Connection

Also known as ANSI E1.31, streaming ACN 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.

Ethernet Connection Diagram



The four 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 X Profile is receiving a signal from a controller.

Lumenradio CRMX™ Connection

In optimal conditions, the Maverick Force X Profile can operate up to 300 m (900 ft) away from the CRMX™ transmitter, The CRMX™ receiver in the Maverick Force X Profile must be paired with the CRMX™ transmitter for wireless operation.

Initial Setup

1. Turn the CRMX™ transmitter on.
2. Connect the CRMX™ transmitter to a DMX controller.
3. Place the Maverick Force X Profile within 300 m from the CRMX™ transmitter.
4. Turn the Maverick Force X Profile on.

Configuration

1. From the Maverick Force X Profile's control panel, go to **DMX Address**.
2. Select the start address, as with any other DMX compatible product.
3. Go to **Settings** > **ControlMode**.
4. Select **CRMX**. (The Signal Strength Indicator will show a **?** in front of the bars)
5. In the **Settings** menu, go to **CRMX Reset**, select **Yes** to receive signal.
6. Press the reset button on the CRMX™ transmitter. (The Signal Strength Indicator on the Maverick Force X Profile will show a ϟ in front of the bars for 3 seconds while a connection is established.)

Product Pairing

If the Maverick Force X Profile has already been paired with the CRMX™ transmitter, the Signal Strength Indicator on top of the display will show the strength of the signal. In this case, the Maverick Force X Profile is ready to work in Wireless mode.

CRMX™ operation can be interrupted or inhibited by people or liquid masses, including water or snow, between the transmitter and receiver. For best results, keep the area between the transmitter and receiver clear of any liquid masses.

USB Software Update

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

1. Power on the product, and plug the flash drive into the USB port.
2. Go to **Settings** > **USB Update**.
3. The "**USB Update**" screen will appear. Select **YES.**
4. Select from **Update Me** (to update this product) or **Update Other** (to update a product with an item code that starts with 08 which is daisy chained via DMX).

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

5. 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>**.
6. The selected software version will show on the display and ask for confirmation. Select **Yes**.
7. 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.
8. When the update is completed, the fixture will automatically reboot.
9. Go to Fixture Information on the product's menu map and confirm the firmware revision.
10. 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.

Orientation

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

Rigging

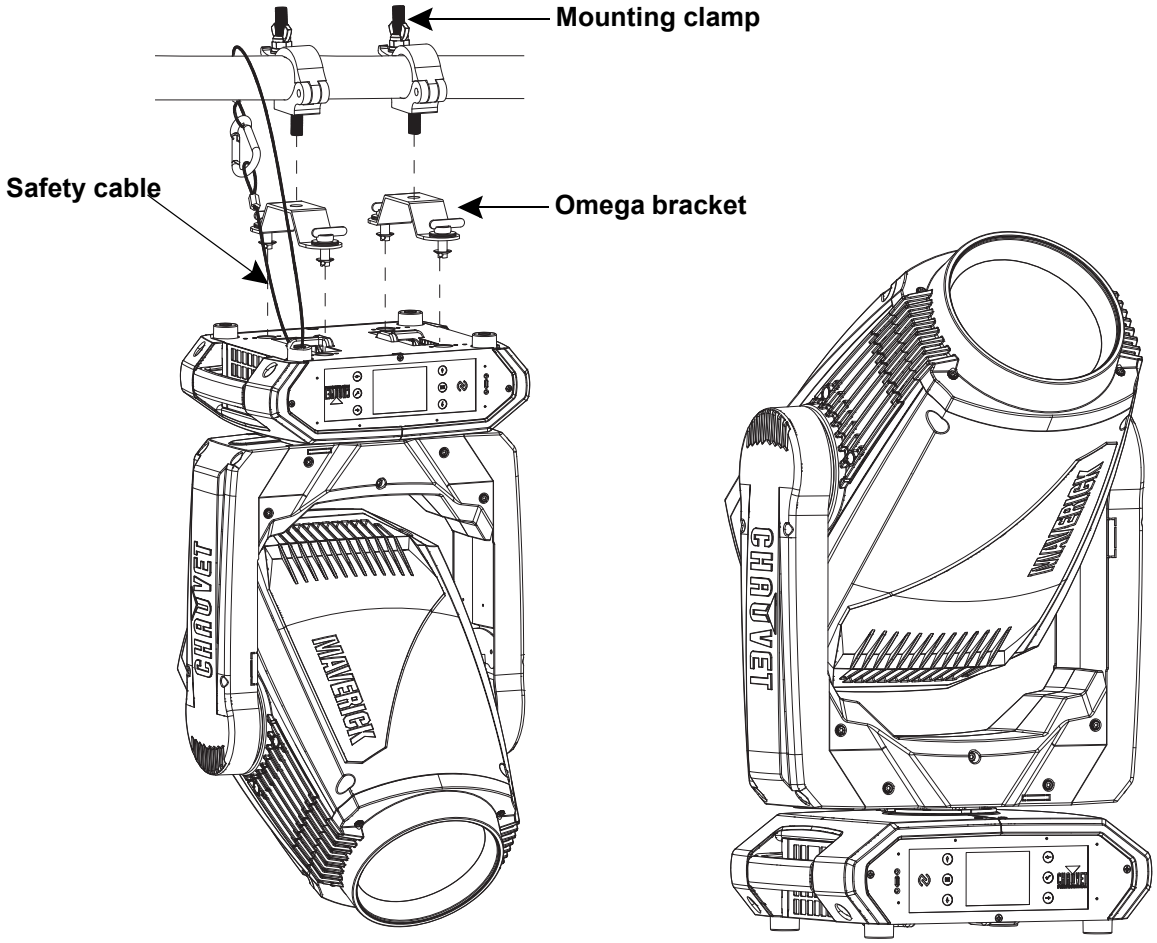
Chauvet recommends using the following general guidelines when mounting this product.

- 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.
- When power linking multiple products, mount the products close enough for power-linking cables to reach.

Procedure

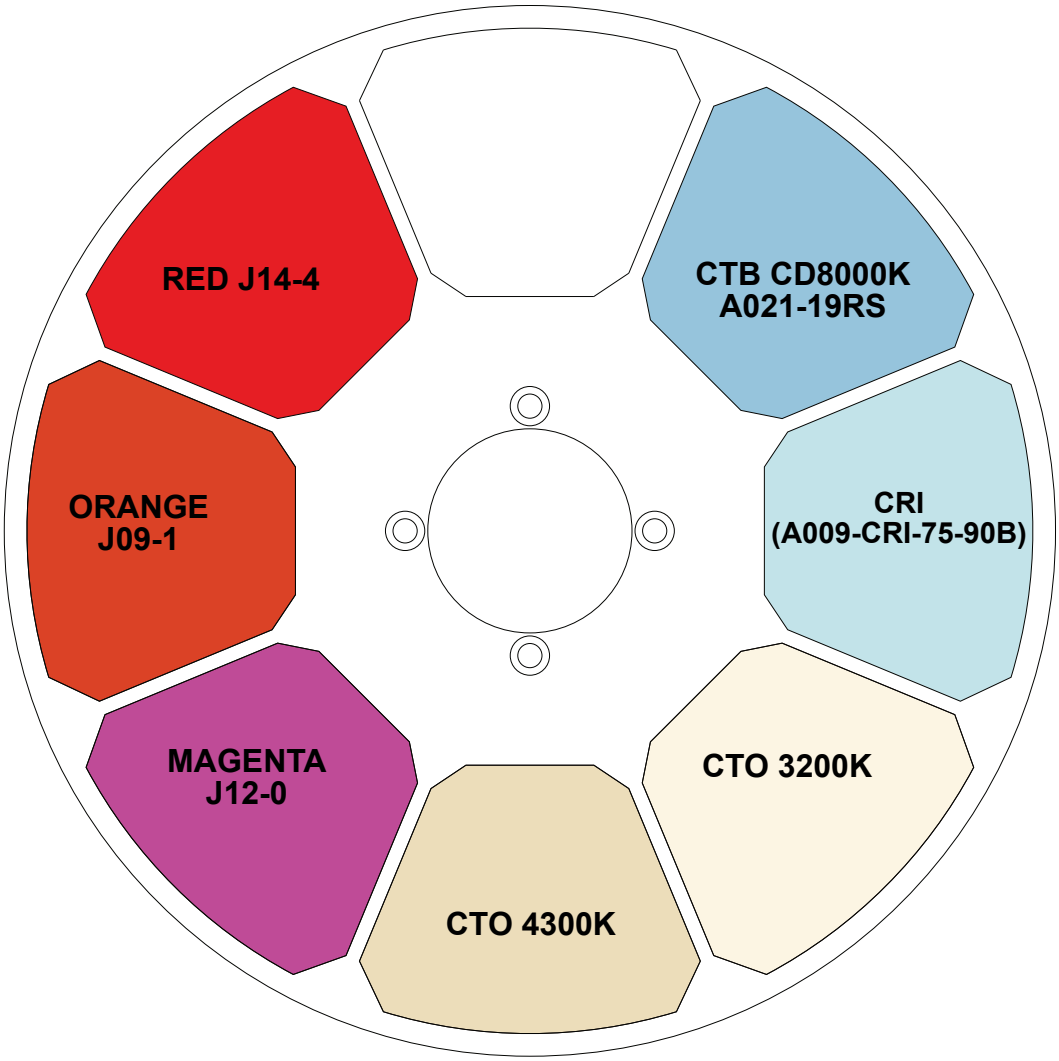
The Maverick Force X Profile comes with two Omega brackets. The user can directly attach a mounting clamp (sold separately) to these Omega brackets. Make sure the clamp is capable of supporting the weight of this product. For the Chauvet Professional line of mounting clamps, go to http://www.trusst.com/products.

Mounting Diagram



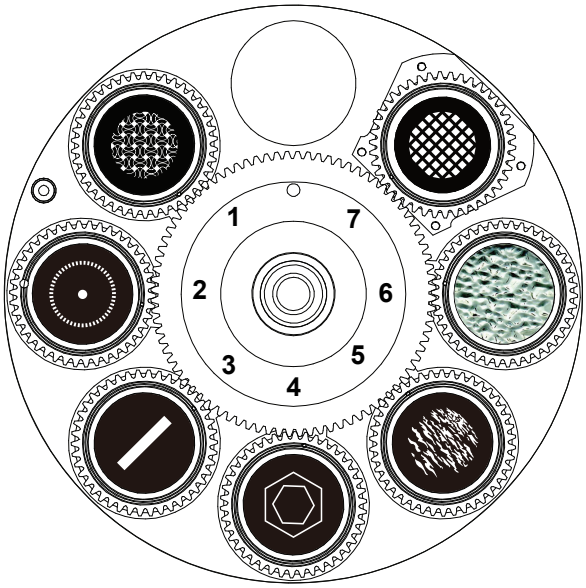
Overhead Mounting **Surface Mounting**

Color Wheel

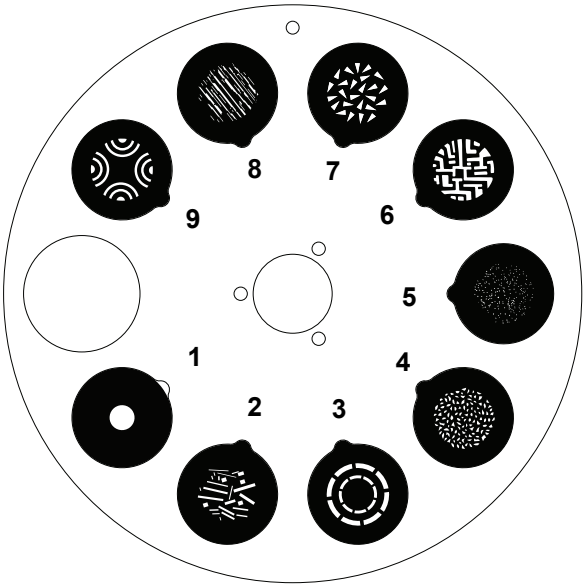

RED J14-4
CTB CD8000K
A021-19RS
ORANGE
J09-1
CRI
(A009-CRI-75-90B)
MAGENTA
J12-0
CTO 3200K
CTO 4300K

Gobo Wheels

Gobo Wheel 1
Rotating gobo wheel

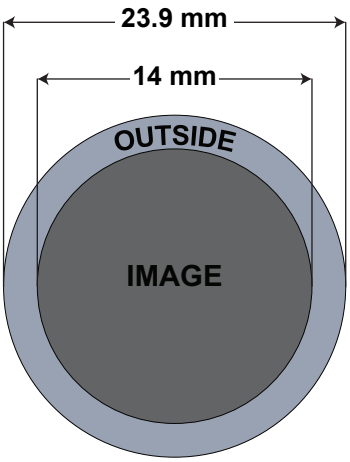


Gobo Wheel 2
Static gobo wheel



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	Grate		7	Triangles
				8	Forest
				9	Rainbows

Gobo Dimensions



Gobo Wheel 1 (Rotating)

Gobo Replacement

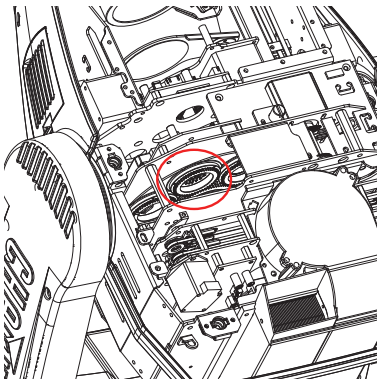
The gobos in gobo wheel 1 are removable from their gobo holders. This operation is quite simple, although it requires the technician to carefully follow the recommended procedure.

- **Make sure to disconnect the product's power cord before replacing a gobo.**
- **Always replace a gobo with a gobo of the same dimensions.**
- **When inserting a glass gobo, always make sure that the shiny side of the gobo (glass base) faces the lamp. This provides a layer of protection against the high temperature from the lamp.**

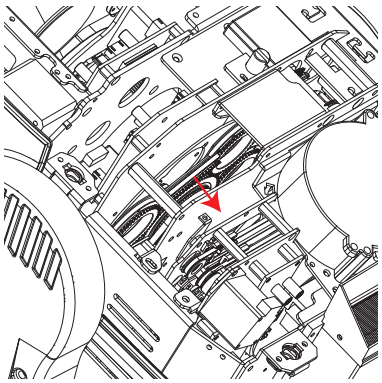
Procedure

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

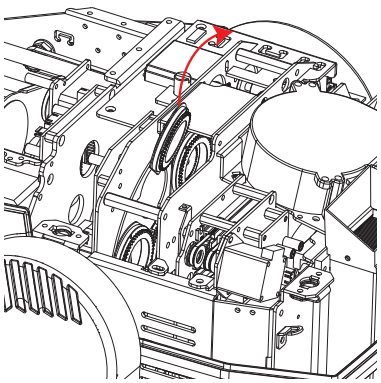
Diagram



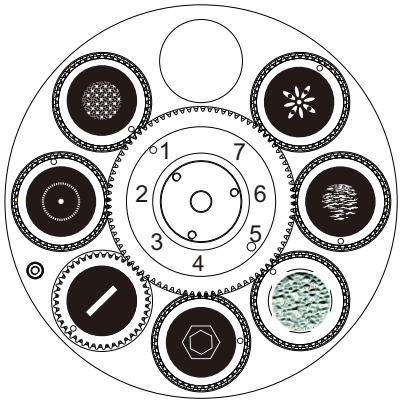
Locate

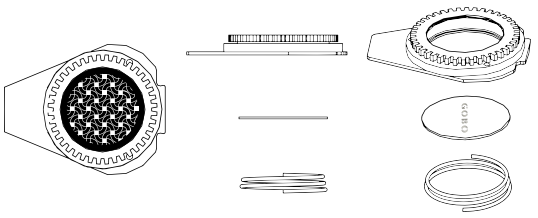


Pull back



Remove





Gobo holder

Gobo

Retaining ring

- **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.**

4. Operation

Control Panel Description

Button	Name	Function
	<Up>	Navigates upwards through the menu or increases the numeric value of a function
	<Menu>	Exits the current menu or function
	<Down>	Navigates downwards through the menu or decreases the numeric value of a function
	<Left>	Navigates leftwards through the menu
	<Enter>	Enables the currently displayed menu or sets a selected value into a function
	<Right>	Navigates rightwards through the menu

Control Options

Set the Maverick Force X Profile starting address in the **001- 482** DMX range. This enables control of up to 15 products in the 31-channel **DMX Mode 31 CH** personality.

Programming

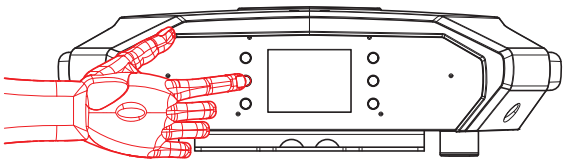
Refer to the menu map to understand the menu options. The menu map shows the main menu and a variable number of programming levels for each option.

- To access the main menu, press **<ENTER>**.
- To navigate to the desired option in the main menu, press **<UP>**, **<DOWN>** or **<LEFT>, <RIGHT>** until the option is indicated.
- 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.
- Press and hold **<MENU>** to return to the home screen.

Control options can also be accessed through the Web Server.

Battery Powered Display

The Maverick Force X 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 X 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, 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 **0920**.

Menu Map

Refer to the Maverick Force X Profile 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	_ _ _._ _ _._ _ _._ _ _	Sets the IP address in Manual mode
	SubMask	_ _ _._ _ _._ _ _._ _ _	Sets the Subnet Mask in Manual mode
	Ethernet to DMX	**NO**	Enables/disables Ethernet to DMX
		YES	
Personality	**DMX Mode 31 CH**	**NO**	Selects the 31-channel mode
	DMX Mode 47 CH	**YES**	Selects the 47-channel mode
Settings	**Control Mode**	**DMX**	Selects the DMX control protocol
		CRMX	Selects Lumenradio CRMX™
		ArtNet	Selects the ArtNet control protocol
		sACN	Selects the sACN control protocol
	Pan Reverse	**NO**	Normal pan
		YES	Reverse pan
	Tilt Reverse	**NO**	Normal tilt
		YES	Reverse tilt
	Screen Reverse	**NO**	Normal screen display
		YES	Inverted screen display
		Auto	Automatic display orientation
	Pan Angle	**540**	Selects 540° pan ranget fixture
		360	Selects 360° pan range
		180	Selects 180° pan range
	Tilt Angle	**270**	Selects 270° tilt range
		180	Selects 180° tilt range
		90	Selects 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 color wheel is moving
		YES	
	Lock Screen	**NO**	Lock the menu buttons Passcode: **0920**
		YES	
	Swap XY	**NO**	Do not swap pan and tilt
		YES	Pan controls tilt, tilt controls pan
	CRMX Reset	**NO**	Do not reset the 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 **PWM Options** to **6000Hz** or **15000Hz** to prevent any possible harmonization noise.
	Dimmer Curve		Linear	Set the dimmer curve
			Square	
			I Squa	
			SCurve	
	PWM Option		600	Sets the Pulse Width Modulation frequency
			2000	
			15000	
			65000	
	LED POWER		064-255	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 X Profile fixtures in the DMX daisy chain
			YES	
	USB Update		Update Me	Update firmware via USB C
			Update Other	
	Reset Function		Pan/Tilt	Reset individual functions or all functions from start-up
			Iris/Prism	
			Color/CMY/Blade	
			Gobo/Gobo Rotate	
			Frost/Framing	
			All	
	Factory Settings		NO	Reset to factory default settings
			YES	
Test	Auto Test			Auto test all functions
	Manual Test	Pan	000–255	Manually control and test all settings through the control panel

Main Level	Programming Levels			Description
Test (cont.)	**Manual Test** (cont.)	**Pan Fine**	**000–255**	Manually control and test all settings through the control panel (cont.)
		Tilt		
		Tilt Fine		
		P/T Speed		
		Dimmer		
		Dimmer Fine		
		Strobe		
		Virtual Shaking		
		Cyan		
		Magenta		
		Yellow		
		Color		
		Gobo		
		Gobo Rotate		
		Gobo Index		
		Gobo2		
		Blade 1-1		
		Blade 1-1 Fine		
		Blade 1-2		
		Blade 1-2 Fine		
		Blade 2-1		
		Blade 2-1 Fine		
		Blade 2-2		
		Blade 2-2 Fine		
		Blade 3-1		
		Blade 3-1 Fine		
		Blade 3-2		
		Blade 3-2 Fine		
		Blade 4-1		
		Blade 4-1 Fine		
		Blade 4-2		
		Blade 4-2 Fine		
		Blade Rotate		
		Blade Rota Fine		
		Focus		
		Focus Fine		
		Focus Auto		
		Zoom		
		Zoom Fine		
		Prism		
		Prism Rotate		
		Iris		
		Frost		
		CMY Macro		
		CMY Macro Speed		
		Control		

Main Level	Programming Levels			Description
Information	Fixture Information	Ver	V1. 250530	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
		LED Hours	_ _ _ _ _	Shows number of hours the LED has been powered on
		Ip	_ _ _. _ _ _.	Shows current IP address
		SubMask	_ _ _. _ _ _.	Shows current Subnet Mask
		UID	_ _ _ _ _ _ _ _ _ _ _ _	Shows UID address
		MAC	_ _ _	Shows MAC address
	Fan Information	AFan1 Speed	_ _ _ _	Shows speed of fans in rpm
		AFan2 Speed	_ _ _ _	
		ZFan1 Speed	_ _ _ _	
		ZFan2 Speed	_ _ _ _	
		DFan1 Speed	_ _ _	
		DFan2 Speed	_ _ _	
		DFan3 Speed	_ _ _	
	Error Information		_ _ _ _ _	Shows any errors, or No Error!
	Channel Information	Pan	_ _ _	Shows all current values from input signals, 000–255
		Pan Fine		
		Tilt		
		Tilt Fine		
		P/T Speed		
		Dimmer		
		Dimmer Fine		
		Strobe		
		Virtual Shaking		
		Cyan		
		Magenta		

Main Level	Programming Levels			Description
Information (cont.)	**Channel Information** (cont.)	**Yellow**	– – –	Shows all current values from input signals, 000–255
		Color		
		Gobo		
		Gobo Rotate		
		Gobo Index		
		Gobo2		
		Blade 1-1		
		Blade 1-1 Fine		
		Blade 1-2		
		Blade 1-2 Fine		
		Blade 2-1		
		Blade 2-1 Fine		
		Blade 2-2		
		Blade 2-2 Fine		
		Blade 3-1		
		Blade 3-1 Fine		
		Blade 3-2		
		Blade 3-2 Fine		
		Blade 4-1		
		Blade 4-1 Fine		
		Blade 4-2		
		Blade 4-2 Fine		
		Blade Rotate		
		Blade Rota Fine		
		Focus		
		Focus Fine		
		Focus Auto		
		Zoom		
		Zoom Fine		
		Prism		
		Prism Rotate		
		Iris		
		Frost		
		CMY Macro		
		CMY Macro Speed		
		Control		

DMX Configuration

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

DMX Personalities

To set the DMX personality:

1. Go to the **Personality** main level.
2. Select the desired personality, from **DMX Mode 31 CH**, or **DMX Mode 47 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 in DMX mode:

1. Go to the **Address** main level.
2. Select the starting address (**001–512**).

Personality	Highest Address	Products per Universe
31 CH	482	15
47 CH	466	9

Control Mode

The Maverick Force X Profile works with wired DMX, CRMX, Art-Net™, and sACN control signals.

To set the desired control protocol(s):

1. Go to the **Settings** main level.
2. Select the **Control Mode** option.
3. Select the desired protocol, from **DMX**, **CRMX, ArtNet**, or **sACN**.

Universe

The Art-Net™ and sACN control protocols require a universe address in addition to the starting address. To assign a universe to the control mode when using Art-Net™ or sACN:

1. Select the control mode and protocol as described under Control Mode.
2. Go to the **Network Setup** main level.
3. Select the **Universe** option.
4. Select the universe (**0**–**255** for **ArtNet**, or **1–256** for **sACN**).

Network Setup

The Network Setup settings control the IP address and subnet mask 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).

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**.

Ethernet to DMX

To set the **Ethernet to DMX** option:

1. Go to the **Network Setup** main level.
2. Select the **Ethernet to DMX** option.
3. Select from **NO** or **YES.**

DMX Channel Assignments and Values

31 CH	47 CH	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	Off
			002 ⇔ 128	Shaking strobe, slow to fast
			129 ⇔ 255	Fading strobe, 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	Color wheel	000 ⇔ 006	White
			007 ⇔ 013	Color 1 (red)
			014 ⇔ 020	Color 2 (orange)
			021 ⇔ 027	Color 3 (magenta)
			028 ⇔ 034	Color 4 (CTO 4300K)
			035 ⇔ 041	Color 5 (CTO 3200K)
			042 ⇔ 048	Color 6 (CRI)
			049 ⇔ 059	Color 7 (CTB)
			060 ⇔ 187	Color wheel indexing
			188 ⇔ 219	Reverse color scroll, fast to slow
			220 ⇔ 223	Stop
			224 ⇔ 255	Color scroll, slow to fast
13	14	Rotating gobo wheel (see Gobo Wheels)	000 ⇔ 007	Open
			008 ⇔ 015	Gobo 1 (sailboats)
			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 (grate)
			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

31 CH	47 CH	Function	Value	Percent/Setting
		Rotating gobo wheel (see Gobo Wheels) (cont.)	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
14	**15**	**Gobo wheel 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, back and forth
–	**16**	**Fine Gobo wheel 1 rotation**	000 ⇔ 255	Fine control (16-bit)
15	**17**	**Gobo wheel 2 (static) (see Gobo Wheels)**	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, 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
16	**18**	**Blade 1-1**	000 ⇔ 255	0–100%
–	**19**	**Blade 1-1 fine**	000 ⇔ 255	Fine control (16-bit)
17	**20**	**Blade 1-2**	000 ⇔ 255	0–100%
–	**21**	**Blade 1-2 fine**	000 ⇔ 255	Fine control (16-bit)
18	**22**	**Blade 2-1**	000 ⇔ 255	0–100%
–	**23**	**Blade 2-1 fine**	000 ⇔ 255	Fine control (16-bit)
19	**24**	**Blade 2-2**	000 ⇔ 255	0–100%
–	**25**	**Blade 2-2 fine**	000 ⇔ 255	Fine control (16-bit)
20	**26**	**Blade 3-1**	000 ⇔ 255	0–100%
–	**27**	**Blade 3-1 fine**	000 ⇔ 255	Fine control (16-bit)
21	**28**	**Blade 3-2**	000 ⇔ 255	0–100%
–	**29**	**Blade 3-2 fine**	000 ⇔ 255	Fine control (16-bit)

31 CH	47 CH	Function	Value	Percent/Setting
22	**30**	**Blade 4-1**	000 ⇔ 255	0–100%
–	**31**	**Blade 4-1 fine**	000 ⇔ 255	Fine control (16-bit)
23	**32**	**Blade 4-2**	000 ⇔ 255	0–100%
–	**33**	**Blade 4-2 fine**	000 ⇔ 255	Fine control (16-bit)
24	**34**	**Frame rotation**	000 ⇔ 255	0–100%
–	**35**	**Fine frame rotation**	000 ⇔ 255	Fine control (16-bit)
25	**36**	**Focus**	000 ⇔ 255	0–100%
–	**37**	**Fine focus**	000 ⇔ 255	Fine control (16-bit)
–	**38**	**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
26	**39**	**Zoom**	000 ⇔ 255	0–100%
–	**40**	**Fine Zoom**	000 ⇔ 255	Fine control (16-bit)
27	**41**	**Prism**	000 ⇔ 003	No function
			004 ⇔ 255	Prism insert
28	**42**	**Prism rotation**	000 ⇔ 127	Prism index
			128 ⇔ 189	Prism rotation, fast to slow
			190 ⇔ 193	Stop
			194 ⇔ 255	Reverse prism rotation, slow to fast
29	**43**	**Iris**	000 ⇔ 063	Open to close
			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)
30	**44**	**Frost**	000 ⇔ 255	0–100%
–	**45**	**CMY Macro**	000 ⇔ 009	No function
			010 ⇔ 014	Full CTO
			015 ⇔ 020	Half CTO
			021 ⇔ 255	CMY macro, fast to slow
–	**46**	**CMY Macro Speed**	000 ⇔ 255	CMY macro speed, fast to slow

31 CH	47 CH	Function	Value	Percent/Setting
			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	No function
			057	PWM 600Hz
			058	PWM 2000Hz
			059	PWM 15000Hz
			060	PWM 65000Hz
			061	No function
			062	No function
			063	No function
			064	Linear dimmer
			065	Square dimmer curve
			066	Inverse square dimmer curve
			067	S-curve dimmer
			068	No function
			069 ⇔ 095	No function
			096 ⇔ 103	Pan reset
31	**47**	**Control**	104 ⇔ 111	Tilt reset
			112 ⇔ 119	Color wheel reset
			120 ⇔ 127	Gobo wheels reset and rotation
			128 ⇔ 131	Gobo wheel CTB on
			132 ⇔ 135	Gobo wheel CTB off
			136 ⇔ 143	Prism reset
			144 ⇔ 151	Framing reset
			152 ⇔ 159	All reset
			160 ⇔ 167	Iris reset
			168 ⇔ 175	Frost reset
			176 ⇔ 183	Zoom reset
			184 ⇔ 191	CMY reset
			192 ⇔ 199	Fan ECO
			200 ⇔ 207	Fan full
			208 ⇔ 215	Fan auto
			216 ⇔ 220	Fan TV25
			221 ⇔ 225	Fan TV35
			226 ⇔ 230	No function
			231 ⇔ 235	Pan tilt swap on
			236 ⇔ 240	Pan tilt swap off
			241 ⇔ 245	Min Zoom Focus on
			246 ⇔ 250	Min Zoom Focus off
			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** (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. Color Move** (black out on color wheel movement), or **BL. O. Gobo Move** (black out on gobo wheel movement) options.
3. Select from **NO** or **YES**.

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).

CRMX Reset

To reset the wireless Lumenradio CRMX™ connection:

1. Go to the **Settings** main level.
2. Select the **CRMX 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 Option to 65000Hz 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**, **I Squa**, or **SCurve.**

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 from **NO** (disable), or **YES** (enable).

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 X Profile to another:

1. Connect the Maverick Force X Profile products to receive the Presets by a DMX daisy chain.
2. Make the Maverick Force X 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 **CRMX** (**DMX**, **ArtNet**, or **sACN**).
5. On the Maverick Force X 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 X Profile products for this function!**

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/Blade**, **Gobo/Gobo Rotate**, **Frost** or **All**.
4. Select **NO** (to cancel) or **YES** (to reset the selected functions).

Factory Reset

To reset the product to factory 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).

Test Mode

Auto Test

To have the Maverick Force X 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 X 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**, **Strobe**, **Virtual Shaking**, **Cyan**, **Magenta**, **Yellow**, **Color**, **Gobo**, **Gobo Rotate**, **Gobo Index**, **Gobo2**, **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**, **Iris**, **Frost**, **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 Offset 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 home screen, press and hold **<MENU>** until the passcode screen appears.
2. Enter the passcode: **0920** (use **<DOWN>** to cycle digits and **<UP>** to increase the number value) and press **<ENTER>**.
3. Select the "zero" position to adjust, from **PAN**, **TILT**, **COLOR**, **GOBO**, **GOBO ROTATE, GOBO2**, **FOCUS-GOBO**, **FOCUS-GOBO2**, **ZOOM**, **PRISM**, **IRIS, FROST**, **CYAN**, **MAGENTA**, **YELLOW**, **DIMMER1**, **DIMMER2**, **DIMMER3**, **DIMMER4**, **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 X 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 Personalities 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 X 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

6. 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
AFAN1	A Fan 1 is damaged	Replace A fan 1
	Fan wires have poor connection	Check fan wire connection
AFAN2	A Fan 2 is damaged	Replace A fan 2
	Fan wires have poor connection	Check fan wire connection
BladeR	Framing shutter error	Check connection of module
		Make sure nothing is blocking movement
		Do a factory reset
		Update software
COLOR	Sensor board is damaged	Replace the color sensor board
	The magnetic rod of COLOR sensor board is dropped or installed upside down	Check the magnetic rod
CPU-A	The display PCB is damaged	Replace the display board
	CPU-A software upload failed	Re-upload the CPU-A software
CPU-B	The pan/tilt driver PCB is damaged	Replace the pan/tilt driver board
	CPU-B software upload failed	Re-upload the CPU-B software
CPU-C	The gobo/color motor driver PCB is damaged	Replace the gobo/color motor driver PCB
	CPU-C software upload failed	Re-upload the CPU-C software
CPU-D	The zoom/focus motor driver PCB is damaged	Replace the zoom/focus motor driver PCB
	CPU-D software upload failed	Re-upload the CPU-D 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
DFAN1	Fan 1 is damaged	Replace fan 1
	Fan wires have poor connection	Check fan wire connection
DFAN2	Fan 2 is damaged	Replace fan 2
	Fan wires have poor connection	Check fan wire connection
Focus	Sensor board is damaged	Replace the focus sensor board
	The magnetic rod of the focus sensor board is dropped or installed upside down	Check the magnetic rod
Gobo	Sensor board is damaged	Replace the gobo sensor board
	The magnetic rod of the gobo sensor board is dropped or installed upside down	Check the magnetic rod
Gobo.R	Sensor board is damaged	Replace the gobo rotation sensor board
	The magnetic rod of the gobo rotation sensor board is dropped or installed upside down	Check the magnetic rod
Gobo2	Sensor board is damaged	Replace the gobo2 sensor board
	The magnetic rod of the gobo2 sensor board is dropped or installed upside down	Check the magnetic rod

Error Code	Possible Reason	Potential Solution
LED_HOT	LED overheated	Do a factory reset
		Update software
		Check connections
		Check fan functions
MAGENTA	Sensor board is damaged	Replace the magenta sensor board
	The magnetic rod of the magenta sensor board is dropped or installed upside down	Check the magnetic rod
Prism	Prism1 sensor board is damaged	Replace the prism 1 sensor board
	The magnetic rod of the prism 1 sensor board is dropped or installed upside down	Check the magnetic rod
R-OPEN	Thermistor open	Do a factory reset
		Update software
		Check connections
		Replace thermistor
R-SHORT	Thermistor short	Do a factory reset
		Update software
		Check connections
		Replace thermistor
X_cm	Pan magnetic locating board is damaged	Replace the pan magnetic locating board
	Pan/tilt driver board is damaged	Replace the pan/tilt driver board
X_op	Pan optocoupler board is damaged	Replace the pan optocoupler board
	Pan/tilt driver board is damaged	Replace the pan/tilt driver board
Y_cm	Tilt magnetic locating board is damaged	Replace the tilt magnetic locating board
	Pan/tilt driver board is damaged	Replace the pan/tilt driver board
Y_op	Tilt optocoupler board is damaged	Replace the tilt optocoupler board
	Pan/tilt driver board is damaged	Replace the pan/tilt driver board
YELLOW	Sensor board is damaged	Replace the yellow sensor board
	The magnetic rod of the yellow sensor board is dropped or installed upside down	Check the magnetic rod
ZFan1	Z Fan 1 is damaged	Replace Z fan 1
	Fan wires have poor connection	Check fan wire connection
ZFan2	Z Fan 2 is damaged	Replace Z fan 2
	Fan wires have poor connection	Check fan wire connection
Zoom	Sensor board is damaged	Replace the zoom sensor board
	The magnetic rod of the zoom sensor board is dropped or installed upside down	Check the magnetic rod

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.

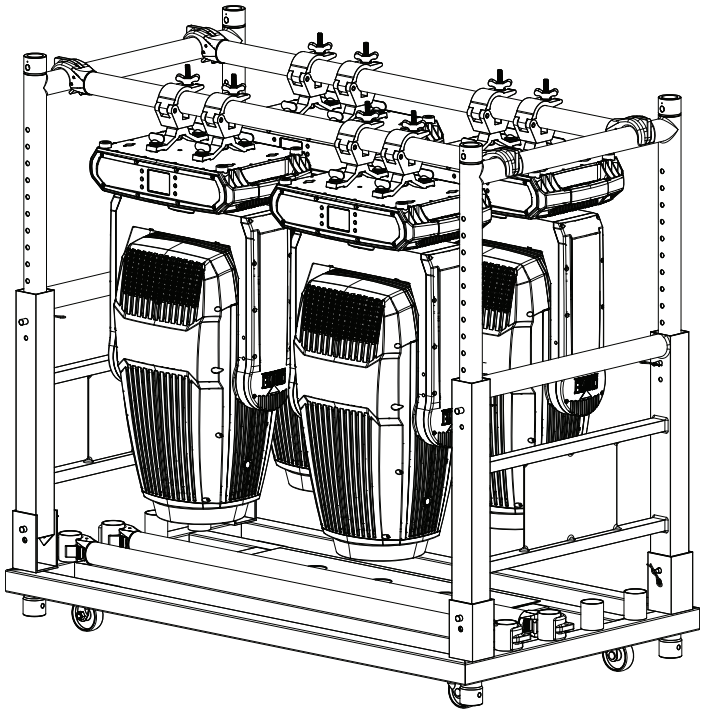
To inspect, remove each gobo holder and check if:

- 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 applier 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
14.2 in (361 mm)	9.4 in (239 mm)	25.4 in (646 mm)	50 lb (23.1 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	598 W	595 W	576 W	580 W	581 W
Operating Current	6.01 A	5.98 A	2.82 A	2.58 A	2.45 A
Power Linking Current	12 A	12 A	12 A	12 A	12 A

Power I/O	U.S./Worldwide	UK/Europe
Power Input Connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power Output Connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power Cable plug	Edison	Local plug

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Cool White	1	520 W	4.2 A	50,000 hours

Photometrics

Color Temperature (at full)	CRI	CRI with filter	TLCI
6966 K	72.2	87.6	48

Beam Angle	Field Angle	Cutoff Angle	Zoom Range
3.4° to 52.2°	3.7° to 55.3°	3.8° to 57.3°	3.5° to 57.3°

Illuminance @ 5 m (Narrow)	Illuminance @ 5 m (Wide)	Lumens- Source	Lumens - Output
104,429 lux	1,219 lux	34,750 lux	18,963 lux

Thermal

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

Control

DMX I/O Connector	Channel Range
3 and 5-pin XLR	31 or 47

Art-Net™/sACN	Channel Range
Seetronic EtherCON	31 or 47

Ordering

Product Name	Item Name	Item Code	UPC Number
Maverick Force X Profile	MAVERICKFORCEXPROFILE	08012671	781462230197

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.

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