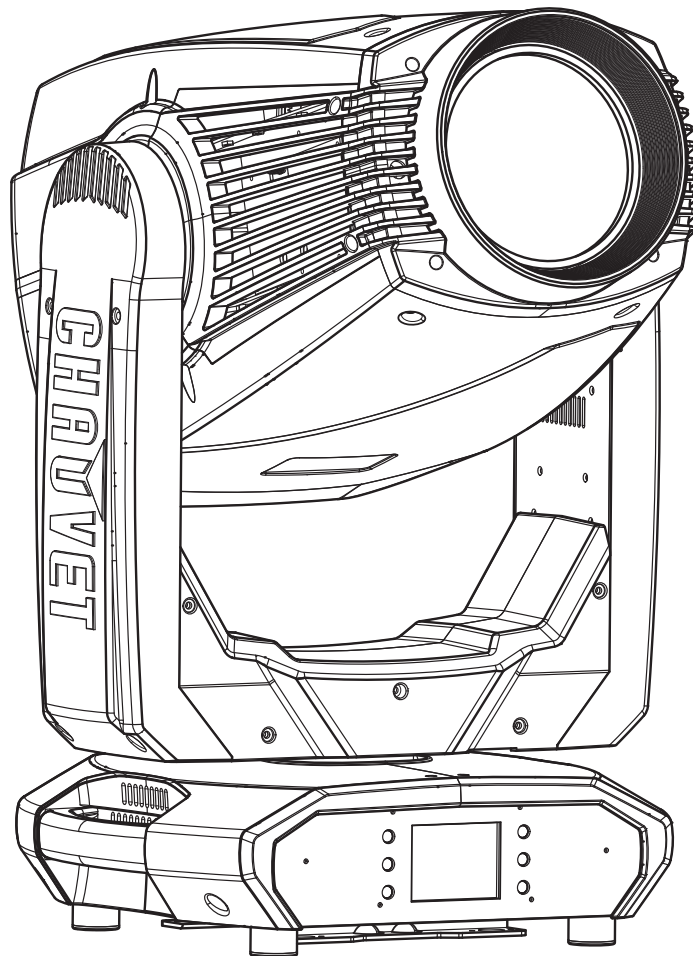


# MAVERICK

## MK3 PROFILE CX

### User Manual



  
**CHAUVET**  
PROFESSIONAL

## **Edition Notes**

The Maverick MK3 Profile CX User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the Maverick MK3 Profile CX 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**

This Maverick MK3 Profile CX User Manual is the 2<sup>nd</sup> edition of this document. Go to [www.chauvetprofessional.com](http://www.chauvetprofessional.com) for the latest version.

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## Before You Begin

# 1. Before You Begin

## What Is Included

- Maverick MK3 Profile CX
- Seetronic Powerkon IP65 Power Cord
- 2 Omega Brackets with Mounting Hardware
- Quick Reference Guide

## Claims

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.




If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not Chauvet. Failure to report damage to the carrier immediately may invalidate your claim. In addition, keep the box and contents for inspection.

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with Chauvet within 7 days of delivery.

## Text Conventions

Convention	Meaning
<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.



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



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

## FCC Compliance

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

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

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

## RF Exposure Warning for North America, and Australia

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

## Safety Notes

Read all the following safety notes before working with this product. These notes contain important information about the installation, usage, and maintenance of this product.



**This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained, certified technicians. Do not open the housing or attempt any repairs.**



**All applicable local codes and regulations apply to proper installation of this product.**

## Personal Safety

- Avoid direct eye exposure to the light source while the product is on.
- Always disconnect the product from the power source before cleaning or replacing the fuse.
- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Do not touch the product's housing when operating because it may be very hot.

## Mounting and Rigging

- This product is not intended for permanent installation.
- This product is for indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture. (IP20)
- CAUTION: When transferring product from extreme temperature environments, (e.g. cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow product to fully acclimate to the surrounding environment before connecting it to power.
- Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Make sure there are no flammable materials close to this product while it is operating.
- When hanging this product, always secure to a fastening device using a safety cable.
- Never carry the product by the power cord.

## Power and Wiring

- Make sure the power cord is not crimped or damaged.
- Always make sure you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.
- Never connect this product to a dimmer pack or rheostat.
- Make sure to replace the fuse with another of the same type and rating.
- Never disconnect this product by pulling or tugging on the power cable.

## Operation

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



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

## Expected LED Lifespan

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

## 2. Introduction

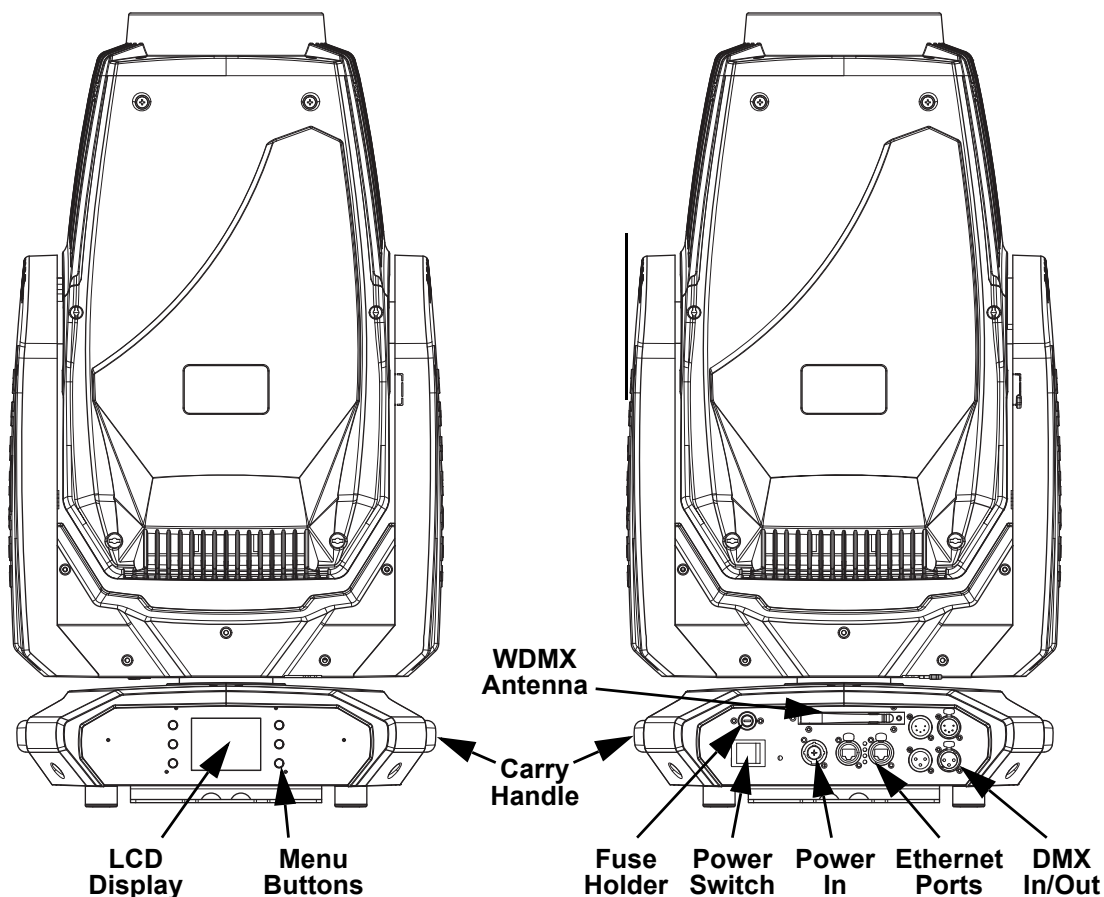
### Description

The Maverick MK3 Profile CX features an output of over 41,000 source lumens and a CRI of 92 designed specifically for broadcast and fashion applications where skin tone renderings are crucial. This high-CRI variation of the Maverick MK3 Profile also features an advanced, 4-blade shutter frame system with the ability to fully blackout and a 120° rotation. Its precision LED optics feature CMY + CTO color mixing and a fast 9:1 zoom ratio that maintains a flat field of focus even when fully wide. The Maverick MK3 Profile CX offers great static, rotating, and animation effects from its 2 gobo wheels (1 rotating, 1 static), animation wheel, 2 independent and overlapping prisms and 2 frost options: super light and medium. Control as you see fit with DMX, sACN, Art-Net or W-DMX.

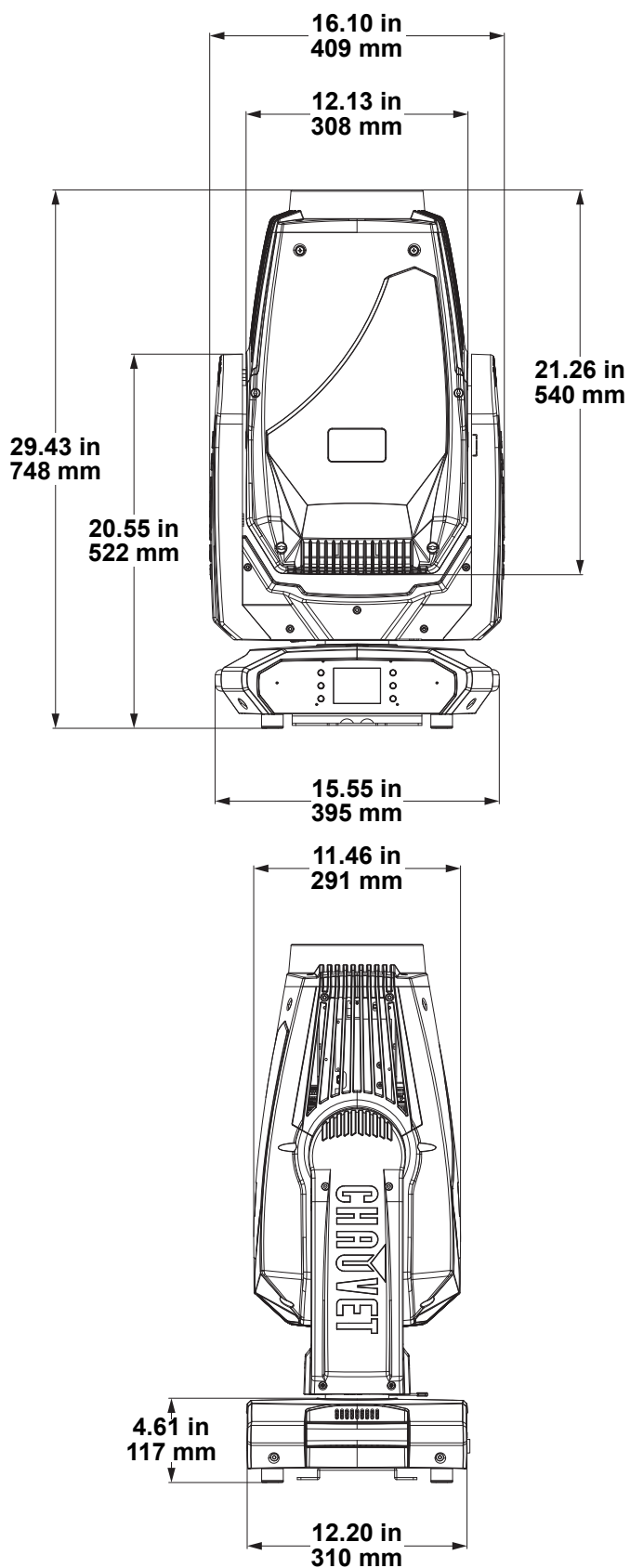
### Features

- Fully featured 820 W high CRI LED yoke profile fixture including CMY+CTO color mixing, a four-blade framing shutter system with rotation, a color wheel, animation wheel, a 9:1 zoom, two independently layerable prisms, two frosts, 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
- Independently layerable 5 facet linear and 5 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 degrees rotation framing shutter system to allow for better framing positioning.
- Animation wheel for enhanced visual effects
- Iris for total beam control
- RDM control over DMX for fixture reporting
- 6° to 54° zoom angle for variable beam sizes
- Three menu presets and preset cross load for decreased shop setup time
- True 1 compatible power input
- Battery backup display with auto-rotate depending on fixture orientation

### Product Overview



## Product Dimensions





## 3. Setup

### AC Power

The Maverick MK3 Profile CX 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 MK3 Profile CX comes with a power input cord terminated with a Seetronic Powerkon A connector on one end and an Edison plug on the other end (U.S. market). If the power input cord that came with your product has no plug, or if you need to change the plug, use the table below to wire the new plug.

Connection	Wire (U.S.)	Wire (Europe)	Screw Color
AC Live	Black	Brown	Yellow or Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green

### Fuse Replacement

1. Disconnect this product from the power outlet.
2. Using a flat-head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse and replace with another fuse of the same type and rating (F 20 A, 250 V).
4. Screw the fuse holder cap back in place and reconnect power.

### Remote Device Management (RDM)

Remote Device Management, or RDM, is a standard for allowing DMX-enabled devices to communicate bi-directionally along existing DMX cabling. Check the DMX controller's User Manual or with the manufacturer as not all DMX controllers have this capability. The Maverick MK3 Profile CX supports RDM protocol that allows feedback to make changes to menu map options.

## Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes. For our CHAUVET Professional line of mounting clamps, go to <http://trusst.com/products/>.

### Orientation

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

### Rigging

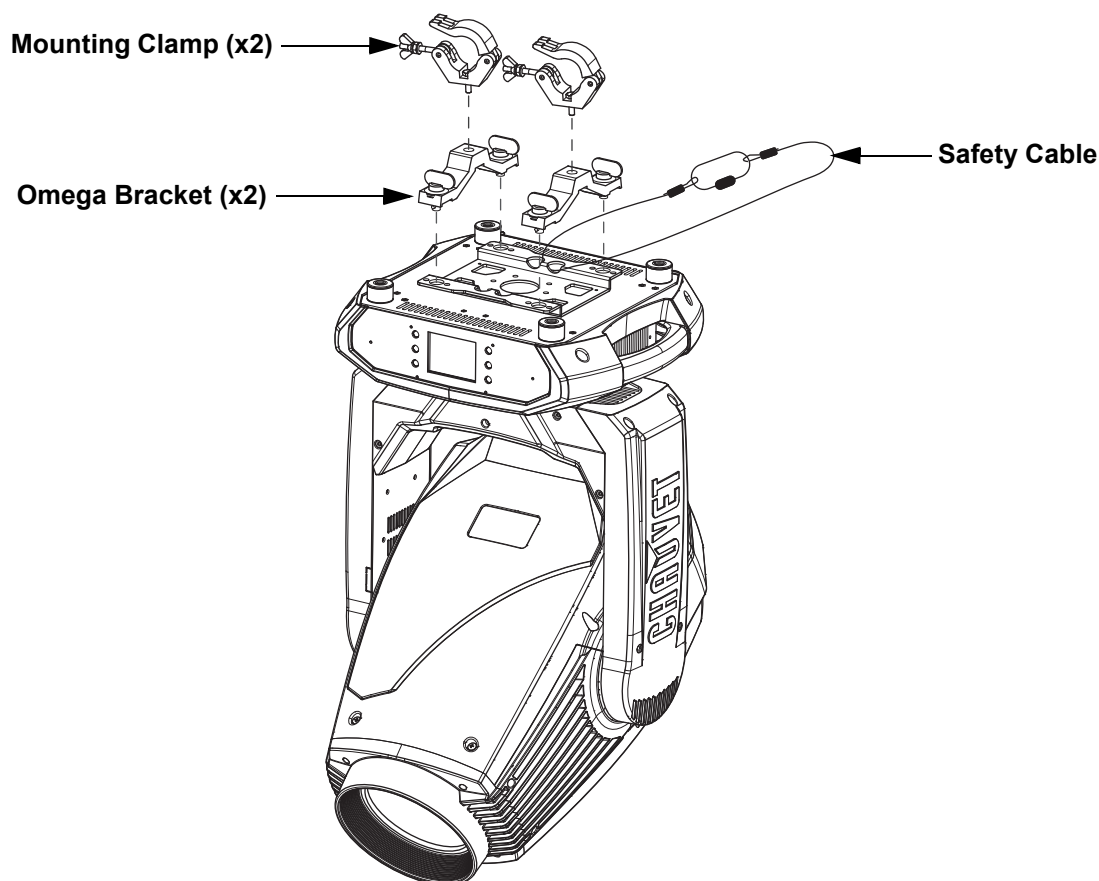
Chauvet recommends using the following general guidelines when mounting this product.

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

### Procedure

The Maverick MK3 Profile CX comes with a bracket to which you can attach a mounting clamp directly. Mounting clamps are sold separately. Make sure the clamps are capable of supporting the weight of this product. Use at least two mounting points per product. For the CHAUVET Professional line of mounting clamps, go to <http://www.trusst.com/products>.

### Mounting Diagram



## Signal Connections

The Maverick MK3 Profile CX can receive a DMX, Art-Net™, or sACN, signal. The Maverick MK3 Profile CX has 2 Amphenol XLRnet through ports, and 3- and 5-pin DMX in and out ports. If using other compatible products with this product, you can control each individually with a single controller.

### Control Personalities

The Maverick MK3 Profile CX uses a 3 or 5-pin DMX data connection, WDMX, Art-Net™, or sACN for its 2 control personalities: **Dmx Mode 38 CH** and **Dmx Mode 54 CH**.

- Refer to the [Operation](#) chapter to learn how to configure the Maverick MK3 Profile CX to work in these personalities.
- The [Control Channel Assignments and Values](#) section provides detailed information regarding the control personalities.



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

### DMX Linking

You can link the Maverick MK3 Profile CX to a DMX controller using a 3 or 5-pin DMX connection or a WDMX connection. For more information about DMX, read the DMX primer at: [https://www.chauvetprofessional.com/wp-content/uploads/2016/06/DMX\\_Primer.pdf](https://www.chauvetprofessional.com/wp-content/uploads/2016/06/DMX_Primer.pdf).

### Art-Net™ Connection

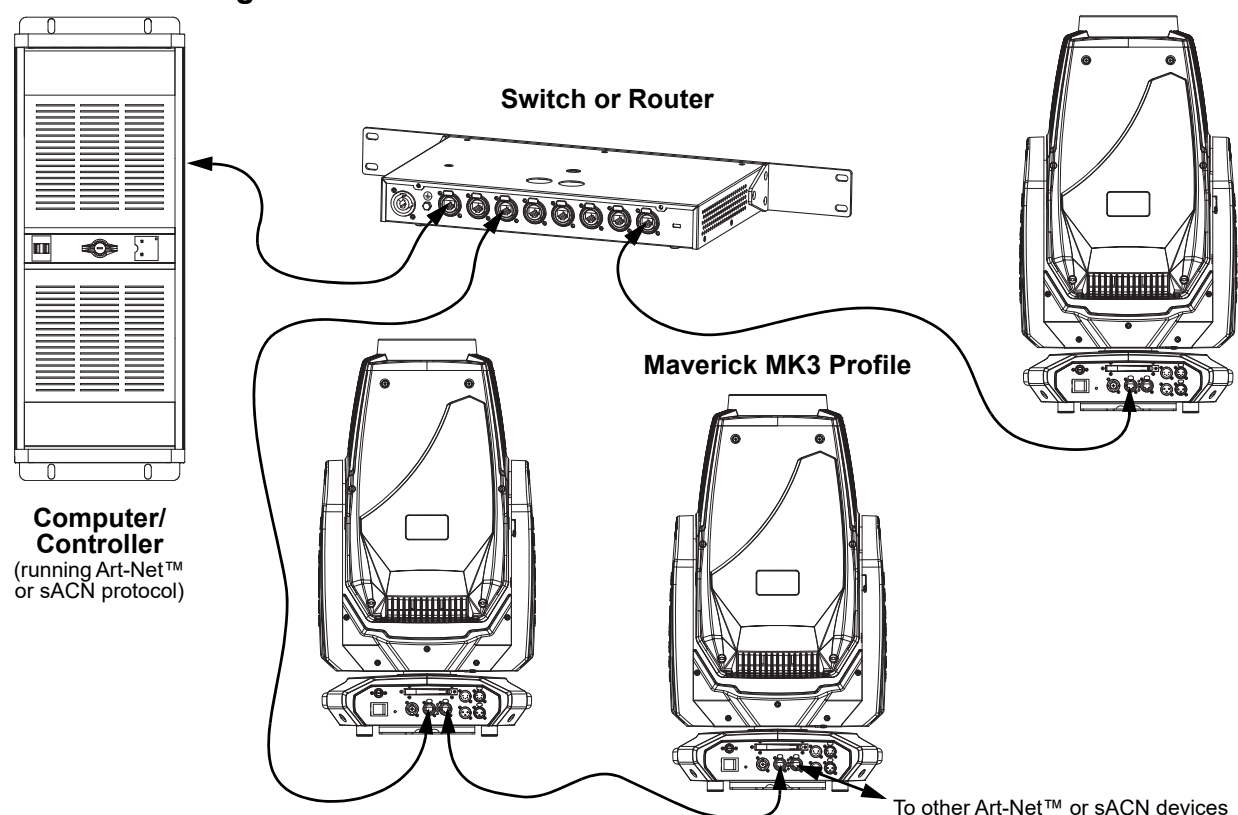
Art-Net™ is an Ethernet protocol that uses TCP/IP which transfers a large amount of DMX512 data using an Amphenol XLRnet RJ45 connection over a large network. An Art-Net™ protocol document is available from [www.chauvetprofessional.com](http://www.chauvetprofessional.com).

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

### sACN Connection

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.

### Connection Diagram









**The three LED indicators in between the ethernet through ports indicate a connection to a network and activity on that network. They do not indicate whether or not the Maverick MK3 Profile CX is receiving a signal from a controller.**

## 4. Operation

### Touchscreen Control Panel

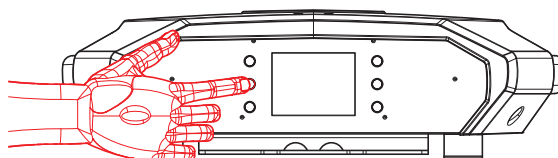
The Maverick MK3 Profile CX has a touchscreen display as well as 6 control buttons. Navigate the menu structure by pressing the buttons, touching the images of the buttons on the sides of the display, or touching the desired menu option on the display directly. The touchscreen can be locked and calibrated through the Setup options in the menu. (See [Touchscreen Calibration](#) and [Touchscreen Lock](#).)

### Control Panel Description

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

### Battery Powered Display

The Maverick MK3 Profile CX 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 MK3 Profile CX 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).



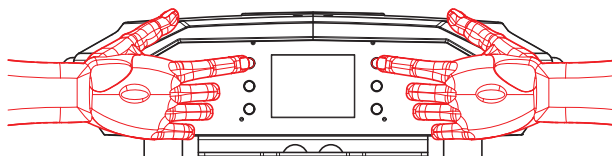
**When the control panel lock is activated, the product will prompt for the passcode in order to access the menu. Enter the passcode as described below.**

### Passcode

After being prompted to enter the passcode, press **<UP>**, **<DOWN>**, **<UP>**, **<DOWN>**, **<ENTER>**.

### Followspot Mode

The followspot mode disables the pan and tilt motors, allowing the output of the product to be aimed by hand. To enable the followspot mode of the Maverick MK3 Profile CX, 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

Main Level	Programming Levels		Description
Address	001–512		Sets the starting address
Network Setup	IP Mode	Manual	Manually set IP address
		DHCP	Network sets IP address
		Static	Product sets IP address
	Universe	000–255 (Art-Net™) 001–256 (sACN)	Sets the universe
	Ip	002. _ _ . _ _ . _ _ . _ _	Sets the IP address in Manual mode
Personality	Dmx Mode 38 CH	YES	Selects the 38-channel mode
		NO	
	Dmx Mode 54 CH	YES	Selects the 54-channel mode
		NO	
Settings	Control Mode	DMX	Sets the control protocol
		WDMX	
		ArtNet	
		sACN	
	Pan Reverse	NO	Normal pan
		YES	Reversed pan
	Tilt Reverse	NO	Normal tilt
		YES	Reversed tilt
	Screen Reverse	NO	Normal display
		YES	Inverted display
		AUTO	Automatic display orientation
	Pan Angle	540	540° pan range
		360	360° pan range
		180	180° pan range
	Tilt Angle	270	270° tilt range
		180	180° tilt range
		90	90° tilt range
	BL. O. P/T Move	NO	Do not black out while panning/tilting
		YES	Blackout while panning/tilting
	BL. O. Color Move	NO	Do not black out while color wheel moving
		YES	Blackout while color wheel moving
	BL. O. Gobo Move	NO	Do not black out while gobo wheels moving
		YES	Blackout while gobo wheels moving
	Calibration	NO	Calibration disabled
		YES	Calibration enabled
	Touchscreen Lock	NO	Touch screen enabled
		YES	Touch screen disabled

Main Level	Programming Levels			Description
Settings (cont.)	Lock Screen		NO	Lock the buttons and touch screen. Passcode: 0920
			YES	
	Swap XY		NO	Do not swap pan and tilt
			YES	Pan controls tilt, tilt controls pan
	WDMX Reset		NO	Do not reset WDMX
			YES	Reset WDMX
	Backlight Timer		30S	Display turns off after 30 seconds
			1M	Display turns off after 1 minute
			5M	Display turns off after 5 minutes
			ON	Display stays on
	Loss of Data		Hold	Holds last signal received
			Close	Blacks out fixture
	Fans		Auto	Fan speed according to product temperature
			Full	Fan speed set on high
			ECO	Quiet mode
	Dimmer Curve		Linear	Set the dimmer curve
			Square	
			I Squa	
			SCurve	
	PWM Option		600Hz	Sets the Pulse Width Modulation frequency
			1200Hz	
			2000Hz	
			4000Hz	
			6000Hz	
			15000Hz	
	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 MK3 Profile CX fixtures in the DMX daisy chain
			YES	
Reset Function	Pan/Tilt		NO/YES	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	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	
		Prism	
		Prism Rotate	

Main Level	Programming Levels			Description
Test (cont.)	Manual Test (cont.)	Prism2	000–255	Manually control and test all settings through the control panel
		Prism2 Rotate		
		Iris		
		Frost		
		Frost2		
		CMY Macro		
		CMY Macro Speed		
		Special Function		
Information	Fixture Information	Ver	V_	Shows firmware version
		Running Mode	---	Shows current running mode
		DMX Address	---	Shows current starting address
		Temperature	---	Shows current product temperature in °C
		Fixture Hours	-----	Shows number of hours product has been powered on
		Ip	-----	Shows current IP address
		SubMask	-----	Shows current Subnet Mask
		MAC	-----	Shows current MAC address
	Fan Information	head Fan1 Speed	----	Shows speed of head fans in rpm
		head Fan2 Speed	----	
		head Fan3 Speed	----	
		head Fan4 Speed	----	
		head Fan5 Speed	----	
		head Fan6 Speed	----	
	Error Information		-----	Shows any errors, or No Error!
	Channel Information	Frequency	---	Shows all current values from input signals, 000–255
		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		



Main Level	Programming Levels		Description
Information (cont.)	Channel Information (cont.)	Animation Rotate	---  Shows all current values from input signals, 000–255
		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	
		Special Function	

## Configuration (DMX, Art-Net™, sACN)

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

### Control Mode

The Maverick MK3 Profile CX works with wired DMX, WDMX, Art-Net™, and sACN control signals. To select which protocol to use:

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



- See the [WDMX Reset](#) section for further setup of WDMX.
- See the [Network Setup](#) section for further setup of ethernet protocols (Art-Net™ or sACN).

### Control Personalities

To set the control personality:

1. Go to the **Personality** main level.
2. Select the desired personality, from **Dmx Mode 38 CH** or **Dmx Mode 54 CH**.



- See the [Starting Address](#) section for the highest starting address you can select for each personality.
- Make sure that the starting addresses on the various products do not overlap due to the new personality setting.

### Starting Address

Each product will respond to a unique starting address from the controller. All products with the same starting address will respond in unison. To set the starting address:

1. Go to the **Address** main level.
2. Select the starting address (**001–475**).
  - The highest recommended starting address for **Dmx Mode 38 CH** is **475**.
  - The highest recommended starting address for **Dmx Mode 54 CH** is **459**.

### 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 MK3 Profile CX:

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**.

## Operation

### Control Channel Assignments and Values

#### Dmx Mode 54 CH

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0–100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	Fast to slow
6	Dimmer	000 ⇔ 255	0–100%
7	Fine Dimmer	000 ⇔ 255	Fine control (16-bit)
8	Shutter	000 ⇔ 003	Closed
		004 ⇔ 007	Open
		008 ⇔ 076	Strobe, slow to fast
		077 ⇔ 145	Pulse strobe, slow to fast
		146 ⇔ 215	Random strobe, slow to fast
		216 ⇔ 255	Open
9	Virtual Strobe	000 ⇔ 001	No function
		002 ⇔ 128	Shaking strobe, slow to fast
		129 ⇔ 255	Fading shake, slow to fast
10	Cyan	000 ⇔ 255	0–100%
11	Magenta	000 ⇔ 255	0–100%
12	Yellow	000 ⇔ 255	0–100%
13	CTO	000 ⇔ 255	0–100%
14	Color Wheel	000 ⇔ 007	Open
		008 ⇔ 015	Red
		016 ⇔ 023	Orange
		024 ⇔ 031	Green
		032 ⇔ 039	Yellow
		040 ⇔ 047	Dark blue
		048 ⇔ 059	8000K CTB
		060 ⇔ 187	Color wheel indexing
		188 ⇔ 219	Color scroll, fast to slow
		220 ⇔ 223	Stop
		224 ⇔ 255	Reverse color scroll, slow to fast
15	Gobo Wheel 1	000 ⇔ 007	Open
		008 ⇔ 015	Gobo 1 (Sail Boats)
		016 ⇔ 023	Gobo 2 (Radial Dot)
		024 ⇔ 031	Gobo 3 (Mower Blade)
		032 ⇔ 039	Gobo 4 (Bolts)
		040 ⇔ 047	Gobo 5 (Shower Glass)
		048 ⇔ 055	Gobo 6 (Ballistic Clouds)
		056 ⇔ 063	Gobo 7 (Four Eyes)
		064 ⇔ 071	Gobo 7 shaking
		072 ⇔ 079	Gobo 6 shaking
		080 ⇔ 087	Gobo 5 shaking
		088 ⇔ 095	Gobo 4 shaking
		096 ⇔ 103	Gobo 3 shaking
		104 ⇔ 111	Gobo 2 shaking
		112 ⇔ 119	Gobo 1 shaking
		120 ⇔ 127	Open
		128 ⇔ 191	Gobo scroll, slow to fast
		192 ⇔ 255	Reverse gobo scroll, slow to fast

Channel	Function	Value	Percent/Setting
16	Gobo 1 Rotate	000 ⇄ 063	Rotating gobo index
		064 ⇄ 145	Gobo rotation, fast to slow
		146 ⇄ 149	Stop
		150 ⇄ 231	Reverse gobo rotation, slow to fast
		232 ⇄ 255	Bounce effect, short to long
17	Gobo Wheel 1 Indexing	000 ⇄ 255	Fine control (16-bit)
18	Gobo Wheel 2	000 ⇄ 005	Open
		006 ⇄ 011	Gobo 1 (Beam)
		012 ⇄ 017	Gobo 2 (Bars)
		018 ⇄ 023	Gobo 3 (Circles)
		024 ⇄ 029	Gobo 4 (Breakup)
		030 ⇄ 035	Gobo 5 (Dots)
		036 ⇄ 041	Gobo 6 (Circuits)
		042 ⇄ 047	Gobo 7 (Triangles)
		048 ⇄ 053	Gobo 8 (Forest)
		054 ⇄ 063	Gobo 9 (Rainbows)
		064 ⇄ 069	Gobo 9 shaking
		070 ⇄ 075	Gobo 8 shaking
		076 ⇄ 081	Gobo 7 shaking
		082 ⇄ 087	Gobo 6 shaking
		088 ⇄ 093	Gobo 5 shaking
		094 ⇄ 099	Gobo 4 shaking
		100 ⇄ 105	Gobo 3 shaking
		106 ⇄ 111	Gobo 2 shaking
		112 ⇄ 117	Gobo 1 shaking
		118 ⇄ 127	Open
		128 ⇄ 191	Gobo scroll, slow to fast
		192 ⇄ 255	Reverse gobo scroll, slow to fast
19	Animation Wheel	000 ⇄ 255	Animation effect, 0–100%
20	Animation Wheel Rotate	000 ⇄ 124	Animation wheel rotation, fast to slow
		125 ⇄ 130	Stop
		131 ⇄ 255	Reverse animation wheel, slow to fast
21	Blade 1-1	000 ⇄ 255	0–100%
22	Blade 1-1 Fine	000 ⇄ 255	Fine control (16-bit)
23	Blade 1-2	000 ⇄ 255	0–100%
24	Blade 1-2 Fine	000 ⇄ 255	Fine control (16-bit)
25	Blade 2-1	000 ⇄ 255	0–100%
26	Blade 2-1 Fine	000 ⇄ 255	Fine control (16-bit)
27	Blade 2-2	000 ⇄ 255	0–100%
28	Blade 2-2 Fine	000 ⇄ 255	Fine control (16-bit)
29	Blade 3-1	000 ⇄ 255	0–100%
30	Blade 3-1 Fine	000 ⇄ 255	Fine control (16-bit)
31	Blade 3-2	000 ⇄ 255	0–100%
32	Blade 3-2 Fine	000 ⇄ 255	Fine control (16-bit)
33	Blade 4-1	000 ⇄ 255	0–100%
34	Blade 4-1 Fine	000 ⇄ 255	Fine control (16-bit)
35	Blade 4-2	000 ⇄ 255	0–100%
36	Blade 4-2 Fine	000 ⇄ 255	Fine control (16-bit)
37	Frame Rotate	000 ⇄ 255	0–100%
38	Frame Fine Rotate	000 ⇄ 255	Fine control (16-bit)
39	Focus	000 ⇄ 255	0–100%
40	Fine Focus	000 ⇄ 255	Fine control (16-bit)

Channel	Function	Value	Percent/Setting
41	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
42	Zoom	000 ⇄ 255	0–100%
43	Fine Zoom	000 ⇄ 255	Fine control (16-bit)
44	Prism 1	000 ⇄ 004	No function
		005 ⇄ 255	Prism effect 1
45	Prism 1 Rotate	000 ⇄ 127	Rotating prism 1 index
		128 ⇄ 189	Prism 1 rotation, fast to slow
		190 ⇄ 193	Stop
		194 ⇄ 255	Reverse prism 1 rotation, slow to fast
46	Prism 2	000 ⇄ 004	No function
		005 ⇄ 255	Prism effect 2
47	Prism 2 Rotate	000 ⇄ 127	Rotating prism 2 index
		128 ⇄ 189	Prism 2 rotation, fast to slow
		190 ⇄ 193	Stop
		194 ⇄ 255	Reverse prism 2 rotation, slow to fast
48	Iris	000 ⇄ 063	Big to small
		064 ⇄ 127	Auto change, slow to fast
		128 ⇄ 191	Slow expand, fast shrink (slow to fast)
		192 ⇄ 255	Slow shrink, fast expand (slow to fast)
49	Frost 1	000 ⇄ 255	0–100%
50	Frost 2	000 ⇄ 255	0–100%
51	No function	000 ⇄ 255	No function
52	CMY Macro	000 ⇄ 009	No function
		010 ⇄ 255	CMY macro
53	CMY Macro Speed	000 ⇄ 255	CMY macro speed, fast to slow

Channel	Function	Value	Percent/Setting
54	Control	000 ⇔ 007	No function
		008 ⇔ 015	XY blackout
		016 ⇔ 023	C blackout
		024 ⇔ 031	G blackout
		032 ⇔ 039	XY/C blackout
		040 ⇔ 047	XY/G blackout
		048 ⇔ 055	XY/C/G blackout
		056 ⇔ 095	No function
		096 ⇔ 103	X reset
		104 ⇔ 111	Y reset
		112 ⇔ 119	Color reset
		120 ⇔ 127	Gobo wheels and rotation reset
		128 ⇔ 135	No function
		136 ⇔ 143	Prisms reset
		144 ⇔ 151	Framing shutter 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 mode
		200 ⇔ 207	Fan full speed
		208 ⇔ 215	Fan auto
		216 ⇔ 220	No function
		221 ⇔ 225	Iris fast mode
		226 ⇔ 230	Iris smooth mode
		231 ⇔ 235	XY swap on
		236 ⇔ 240	XY swap off
		241 ⇔ 245	No function
		246 ⇔ 250	XY smooth mode
		251 ⇔ 255	XY fast mode

## Operation

### Dmx Mode 38 CH

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0–100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	Fast to slow
6	Dimmer	000 ⇔ 255	0–100%
7	Shutter	000 ⇔ 003	Closed
		004 ⇔ 007	Open
		008 ⇔ 076	Strobe, slow to fast
		077 ⇔ 145	Pulse strobe, slow to fast
		146 ⇔ 215	Random strobe, slow to fast
		216 ⇔ 255	Open
8	Virtual Strobe	000 ⇔ 001	No function
		002 ⇔ 128	Shaking strobe, slow to fast
		129 ⇔ 255	Fade in/out, slow to fast
9	Cyan	000 ⇔ 255	0–100%
10	Magenta	000 ⇔ 255	0–100%
11	Yellow	000 ⇔ 255	0–100%
12	CTO	000 ⇔ 255	0–100%
13	Color Wheel	000 ⇔ 007	Open
		008 ⇔ 015	Red
		016 ⇔ 023	Orange
		024 ⇔ 031	Green
		032 ⇔ 039	Yellow
		040 ⇔ 047	Dark blue
		048 ⇔ 059	8000K CTB
		060 ⇔ 187	Split colors
		188 ⇔ 219	Color scroll, fast to slow
		220 ⇔ 223	Stop
		224 ⇔ 255	Reverse color scroll, slow to fast
14	Gobo Wheel 1	000 ⇔ 007	Open
		008 ⇔ 015	Gobo 1 (Sail Boats)
		016 ⇔ 023	Gobo 2 (Radial Dot)
		024 ⇔ 031	Gobo 3 (Mower Blade)
		032 ⇔ 039	Gobo 4 (Bolts)
		040 ⇔ 047	Gobo 5 (Shower Glass)
		048 ⇔ 055	Gobo 6 (Ballistic Clouds)
		056 ⇔ 063	Gobo 7 (Four Eyes)
		064 ⇔ 071	Gobo 7 shaking
		072 ⇔ 079	Gobo 6 shaking
		080 ⇔ 087	Gobo 5 shaking
		088 ⇔ 095	Gobo 4 shaking
		096 ⇔ 103	Gobo 3 shaking
		104 ⇔ 111	Gobo 2 shaking
		112 ⇔ 119	Gobo 1 shaking
		120 ⇔ 127	Open
		128 ⇔ 191	Gobo scroll, slow to fast
		192 ⇔ 255	Reverse gobo scroll, slow to fast

Channel	Function	Value	Percent/Setting
15	Gobo 1 Rotate	000 ⇄ 063	Rotating gobo index
		064 ⇄ 145	Gobo rotation, fast to slow
		146 ⇄ 149	Stop
		150 ⇄ 231	Reverse gobo rotation, slow to fast
		232 ⇄ 255	Bounce effect
16	Gobo Wheel 2	000 ⇄ 005	Open
		006 ⇄ 011	Gobo 1 (Beam)
		012 ⇄ 017	Gobo 2 (Bars)
		018 ⇄ 023	Gobo 3 (Circles)
		024 ⇄ 029	Gobo 4 (Breakup)
		030 ⇄ 035	Gobo 5 (Dots)
		036 ⇄ 041	Gobo 6 (Circuits)
		042 ⇄ 047	Gobo 7 (Triangles)
		048 ⇄ 053	Gobo 8 (Forest)
		054 ⇄ 063	Gobo 9 (Rainbows)
		064 ⇄ 069	Gobo 9 shaking
		070 ⇄ 075	Gobo 8 shaking
		076 ⇄ 081	Gobo 7 shaking
		082 ⇄ 087	Gobo 6 shaking
		088 ⇄ 093	Gobo 5 shaking
		094 ⇄ 099	Gobo 4 shaking
		100 ⇄ 105	Gobo 3 shaking
		106 ⇄ 111	Gobo 2 shaking
		112 ⇄ 117	Gobo 1 shaking
		118 ⇄ 127	Open
		128 ⇄ 191	Gobo scroll, slow to fast
		192 ⇄ 255	Reverse gobo scroll, slow to fast
17	Animation Wheel	000 ⇄ 255	Animation effect
18	Animation Wheel Rotate	000 ⇄ 255	Animation wheel rotation, fast to slow
		000 ⇄ 255	Stop
		000 ⇄ 255	Reverse animation wheel, slow to fast
19	Blade 1-1	000 ⇄ 255	0–100%
20	Blade 1-2	000 ⇄ 255	0–100%
21	Blade 2-1	000 ⇄ 255	0–100%
22	Blade 2-2	000 ⇄ 255	0–100%
23	Blade 3-1	000 ⇄ 255	0–100%
24	Blade 3-2	000 ⇄ 255	0–100%
25	Blade 4-1	000 ⇄ 255	0–100%
26	Blade 4-2	000 ⇄ 255	0–100%
27	Frame Rotate	000 ⇄ 255	0–100%
28	Focus	000 ⇄ 255	0–100%
29	Zoom	000 ⇄ 255	0–100%
30	Prism 1	000 ⇄ 004	No function
		005 ⇄ 255	Prism effect 1
31	Prism 1 Rotate	000 ⇄ 127	Rotating prism 1 index
		128 ⇄ 189	Prism 1 rotation, fast to slow
		190 ⇄ 193	Stop
		194 ⇄ 255	Reverse prism 1 rotation, slow to fast
32	Prism 2	000 ⇄ 004	No function
		005 ⇄ 255	Prism effect 2
33	Prism 2 Rotate	000 ⇄ 127	Rotating prism 2 index
		128 ⇄ 189	Prism 2 rotation, fast to slow
		190 ⇄ 193	Stop
		194 ⇄ 255	Reverse prism 2 rotation, slow to fast



## Operation

Channel	Function	Value	Percent/Setting
<b>34</b>	<b>Iris</b>	000 ⇄ 063	Big to small
		064 ⇄ 127	Auto change, slow to fast
		128 ⇄ 191	Slow zoom out, fast zoom in (slow to fast)
		192 ⇄ 255	Slow zoom in, fast zoom out (slow to fast)
<b>35</b>	<b>Frost 1</b>	000 ⇄ 255	0–100%
<b>36</b>	<b>Frost 2</b>	000 ⇄ 255	0–100%
<b>37</b>	<b>No function</b>	000 ⇄ 255	No function
<b>38</b>	<b>Control</b>	000 ⇄ 007	No function
		008 ⇄ 015	XY blackout
		016 ⇄ 023	C blackout
		024 ⇄ 031	G blackout
		032 ⇄ 039	XY/C blackout
		040 ⇄ 047	XY/G blackout
		048 ⇄ 055	XY/C/G blackout
		056 ⇄ 095	No function
		096 ⇄ 103	X reset
		104 ⇄ 111	Y reset
		112 ⇄ 119	Color reset
		120 ⇄ 127	Gobo wheels and rotation reset
		128 ⇄ 135	No function
		136 ⇄ 143	Prisms reset
		144 ⇄ 151	Framing shutter reset
		152 ⇄ 159	All reset
		160 ⇄ 167	Iris reset
		168 ⇄ 175	Frost reset
		176 ⇄ 183	Zoom reset
		184 ⇄ 191	CMY reset
		192 ⇄ 199	Fan low speed
		200 ⇄ 207	Fan full speed
		208 ⇄ 215	Fan auto
		216 ⇄ 220	No function
		221 ⇄ 225	Iris fast mode
		226 ⇄ 230	Iris smooth mode
		231 ⇄ 235	XY swap on
		236 ⇄ 240	XY swap off
		241 ⇄ 245	No function
		246 ⇄ 250	XY smooth mode
		251 ⇄ 255	XY fast mode

## Configuration (Settings)

### Pan Reverse

To set the orientation of the pan:

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

### Tilt Reverse

To set the orientation of the tilt:

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

### Screen Reverse

To set the orientation of the display:

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

### Pan Angle

To set the maximum angle of the pan:

1. Go to the **Settings** main level.
2. Select the **Pan Angle** option.
3. Select from **540** (540°), **360** (360°), or **180** (180°).

### Tilt Angle

To set the maximum angle of the tilt:

1. Go to the **Settings** main level.
2. Select the **Tilt Angle** option.
3. Select from **270** (270°), **180** (180°), or **90** (90°).

### Blackout on Movement

To set the Maverick MK3 Profile CX to black out on pan or tilt movement, color wheel movement, or gobo wheel movement:

1. Go to the **Settings** main level.
2. Select the **BL. O. P/T Move** (blackout on pan or tilt movement), **BL. O. Color Move** (blackout on color wheel movement), or **BL. O. Gobo Move** (blackout on gobo wheel movement) option.
3. Select from **NO** (no blackout on selected movement), or **YES** (blackout during the selected movement).

### Touchscreen Calibration

To calibrate the touchscreen:

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

### Touchscreen Lock

To lock the touchscreen and limit the display to operation by the menu buttons:

1. Go to the **Settings** main level.
2. Select the **Touchscreen Lock** option.
3. Select from **NO** (do not lock the touchscreen), or **YES** (lock the touchscreen).

### Swap Pan and Tilt

To swap the pan and tilt controls for each other:

1. Go to the **Settings** main level.
2. Select the **Swap XY** option.
3. Select from **NO** (do not swap), or **YES** (swap so pan controls tilt and tilt controls pan).

## Operation

### WDMX Reset

To reset the WDMX connection and allow the Maverick MK3 Profile CX to connect to a WDMX transmitter:

1. Go to the **Settings** main level.
2. Select the **WDMX Reset** option.
3. Select from **NO** (do not reset), or **YES** (reset the WDMX connection).



**Follow instructions in the manual or guide for the WDMX controller being used to connect it to the receiver in the Maverick MK3 Profile CX.**

### Display Backlight Timer

To set the length of time before an inactive display will turn off:

1. Go to the **Settings** main level.
2. Select the **Backlight Timer** option.
3. Select the length of the backlight timer, from **30S** (30 seconds), **1M** (1 minute), **5M** (5 minutes), or **ON** (always on).

### Loss of Data

To set how the product reacts to a loss in control signal data:

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

### Fan Mode

To set the fan speed mode:

1. Go to the **Settings** main level.
2. Select the **Fans** option.
3. Select the fan mode, from **Auto** (fan speed adjusts to product temperature), **Full** (fan speed at maximum), or **ECO** (quiet mode).

### Dimmer Curve

To set the dimmer curve:

1. Go to the **Settings** main level.
2. Select the **Dimmer Curve** option.
3. Select the dimmer curve, from **Linear**, **Square**, **LSqua**, or **SCurve**.

### Pulse Width Modulation

To adjust the frequency of the pulse width modulation:

1. Go to the **Settings** main level.
2. Select the **PWM Option** option.
3. Select the frequency, from **600Hz**, **1200Hz**, **2000Hz**, **4000Hz**, **6000Hz**, or **15000Hz**.

### 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 MK3 Profile CX to another:

1. Connect the Maverick MK3 Profile CX products to receive the Presets by a DMX daisy chain.
2. Make the Maverick MK3 Profile CX 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 MK3 Profile CX 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 MK3 Profile CX 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/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 Reset** option.
3. Select **NO** (to cancel) or **YES** (to reset the product configuration).

## Test Mode

### Auto Test

To have the Maverick MK3 Profile CX 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 MK3 Profile CX:

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 **Special Function**.
4. Increase or decrease the value of the selected function from **000–255** to test it.

## System Information

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

1. Go to the **Information** main level.
2. Select which information to view, from **Fixture Information** (shows the firmware version, running mode, addresses, temperature, and running time), **Fan Information** (shows the speed of the fans in rotations per minute (rpm)), **Error Information** (shows any error or No Error!), or **Channel Information** (shows the current values of all signal input channels).
3. If necessary, scroll up and down to view all information available in the selected option.

## Offset Mode (Zero Adjust)

The Offset mode provides fine adjustments for the home position of every moving part in the optical path 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: **2323** 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**, **PRISM 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**, **MAC4**, **MAC5**, or **MAC6**.
4. Adjust the "zero" position for the selected function from **000–255**.

## Operation

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### Web Server

The Maverick MK3 Profile CX 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 MK3 Profile CX.

#### Setup

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

#### Manual Test

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

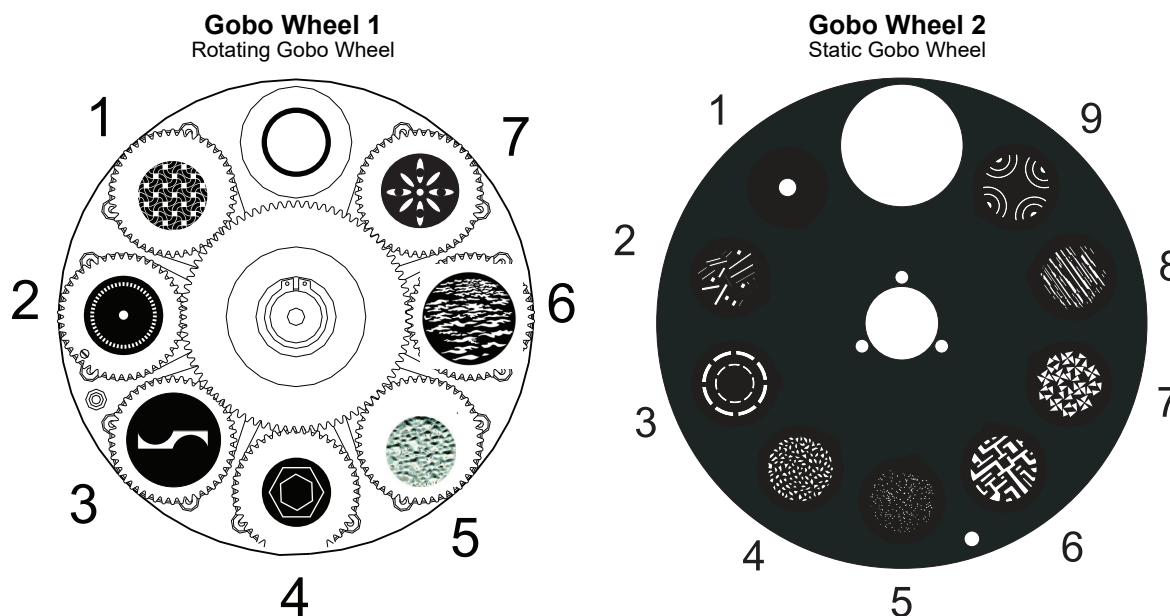
#### Firmware Update

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

#### Security

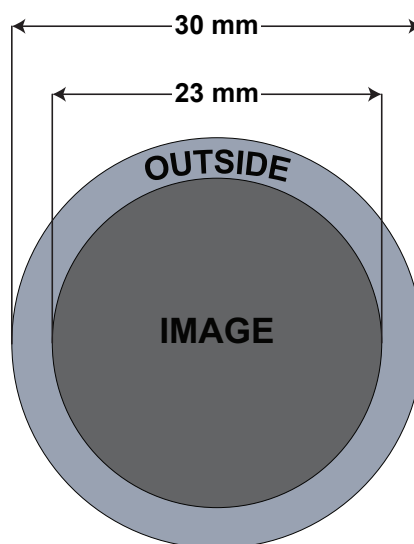
The Security page on the Web Server gives the option to change the password to the connected product's web server. Enter the old password (**admin**, by default) and the new password twice, then click **Save Settings** to change the password.

## Gobo Wheels



Gobo Wheel	Gobo #	Description	Gobo Wheel	Gobo #	Description
1	1	Sail Boats	2	1	Beam
	2	Radial Dot		2	Bars
	3	Mower Blade		3	Circles
	4	Bolts		4	Breakup
	5	Shower Glass		5	Dots
	6	Ballistic Glass		6	Circuits
	7	Four Eyes		7	Triangles
				8	Forest
				9	Rainbows

## Gobo Dimensions



## Operation

### Gobo Replacement

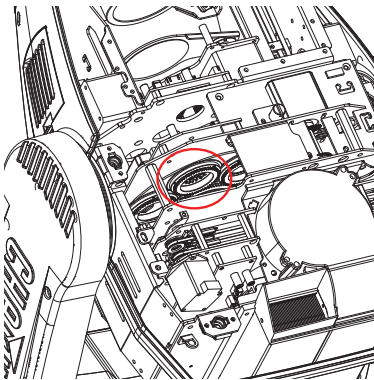
The gobos in gobo wheel 1 are removable from their gobo holders. This operation is quite simple, although it requires the technician to carefully follow the recommended procedure.

- **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.**

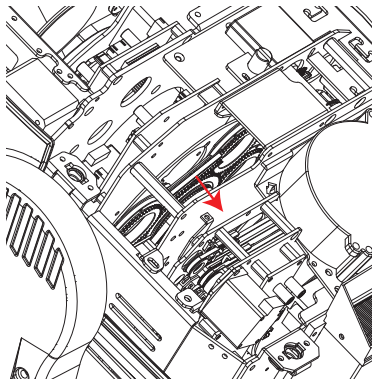
#### Procedure

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 (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.

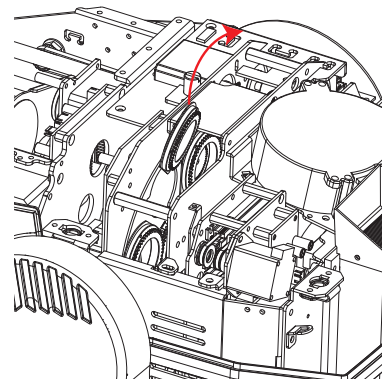
#### Diagram



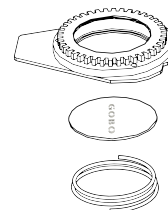
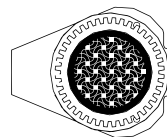
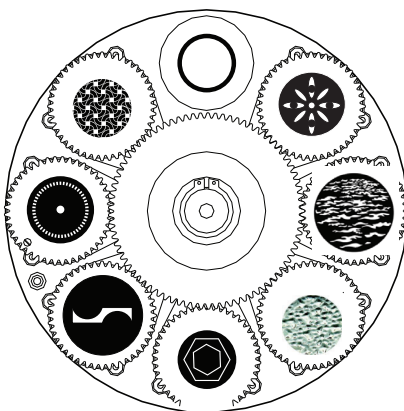
**Locate**



**Pull Back**



**Remove**



**Gobo Holder**

**Gobo**

**Retaining Ring**

## 5. Maintenance

### Product Maintenance

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

To clean the product, follow the instructions below:

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



**Always dry the transparent surfaces carefully after cleaning them.**



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



## 6. Technical Specifications

### Dimensions and Weight

Length	Width	Height	Weight
16.10 in (409 mm)	12.20 in (310 mm)	29.43 in (748 mm)	76.4 lb (34.7 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	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz
Consumption	1,070 W	1,050W	1,050 W
Operating Current	9.04 A	5.13 A	4.56 A
Fuse/Breaker	F 20 A, 250 V	F 20 A, 250 V	F 20 A, 250 V
Power I/O	U.S./Worldwide		UK/Europe
Power Input Connector	Seetronic Powerkon A		Seetronic Powerkon A
Power Cord plug	Edison (U.S.)		Local Plug

### Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Cool white	1	820 W	24 A	50,000 hours

### Photometrics

Beam Angle		Field Angle		Zoom Angle	
6° to 45°		6° to 55°		6° to 55°	
Illuminance @ 5 m (6°)	Illuminance @ 5 m (55°)	Illuminance @ 5 m (6°)	Illuminance @ 5 m (55°)	Illuminance @ 5 m (6°)	Illuminance @ 5 m (55°)
(without CRI filter)	(without CRI filter)	(with CRI filter)	(with CRI filter)	(with CRI filter)	(with CRI filter)
36,675 lux	1,184 lux	23,500 lux		778 lux	

### Thermal

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

### DMX

I/O Connector	Channel Range
3 and 5-pin XLR	38 or 54

### Art-Net™/sACN

I/O Connector	Channel Range
Amphenol XLR Net RJ45 in/out	38 or 54

### Ordering

Product Name	Item Name	Item Code	UPC Number
Maverick MK3 Profile CX	MAVERICKMK3PROFILE	08011560	781462219086



UL 1573  
CSA C22.2 No. 166  
E113093

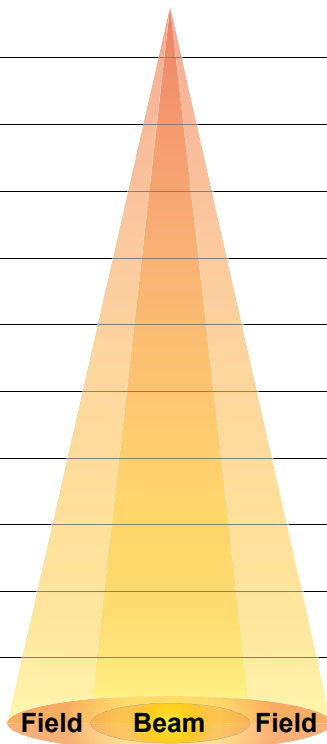


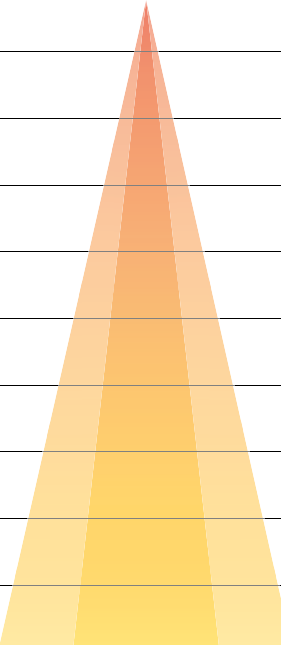
RoHS

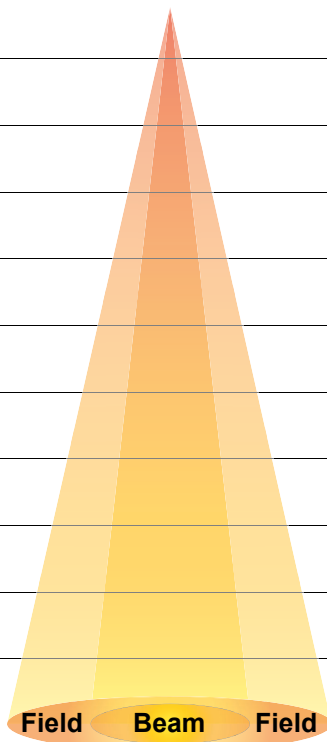


## Maverick MK3 Profile CX Photometrics Charts

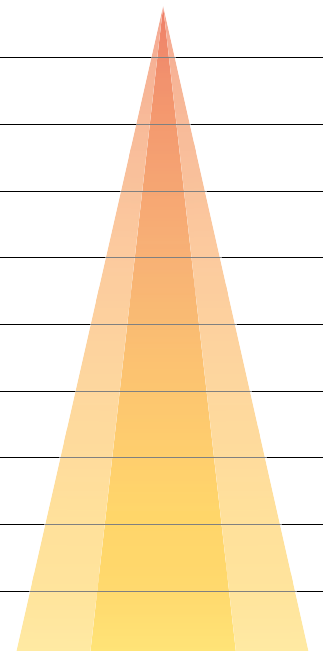
	Narrow, Without CRI Filter			Imperial	Wide, Without CRI Filter	
Distance	Beam Diameter	Field Diameter	Footcandle	Footcandle	Beam Diameter	Field Diameter
15 ft	1.57 ft	1.57 ft	4,075	132	12.43 ft	15.62 ft
20 ft	2.10 ft	2.10 ft	2,292	74	16.57 ft	20.82 ft
30 ft	3.14 ft	3.14 ft	1,019	33	24.85 ft	31.23 ft
40 ft	4.19 ft	4.19 ft	573	19	33.14 ft	41.65 ft
50 ft	5.24 ft	5.24 ft	367	12	41.42 ft	52.06 ft
75 ft	7.86 ft	7.86 ft	163	5	62.13 ft	78.09 ft
100 ft	10.48 ft	10.48 ft	76	3	82.84 ft	104.11 ft
125 ft	13.10 ft	13.10 ft	59	2	103.55 ft	130.14 ft
150 ft	15.72 ft	15.72 ft	41	1	124.26	156.17



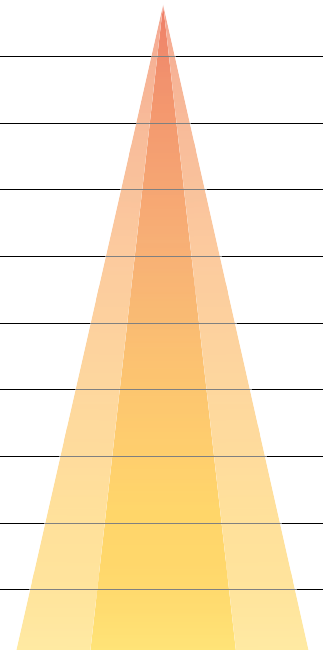
	Narrow, Without CRI Filter		Metric		Wide, Without CRI Filter		
Distance	Beam Diameter	Field Diameter	Lux		Lux	Beam Diameter	Field Diameter
1 m	0.10 m	0.10 m	916,875		29,600	0.83 m	1.04 m
2 m	0.21 m	0.21 m	229,219		7,400	1.66 m	2.08 m
5 m	0.52 m	0.52 m	36,675		1,184	4.14 m	5.21 m
8 m	0.84 m	0.84 m	14,326		463	6.63 m	8.33 m
10 m	1.05 m	1.05 m	9,169		296	8.28 m	10.41 m
15 m	1.57 m	1.57 m	4,075		132	12.43 m	15.62 m
20 m	2.10 m	2.10 m	2,292		74	16.57 m	20.82 m
25 m	2.62 m	2.62 m	1,467		47	20.71 m	26.03 m
30 m	3.14 m	3.14 m	1,019		30	24.85 m	31.23 m



## Technical Specifications

	Narrow, With CRI Filter			Imperial	Wide, With CRI Filter		
Distance	Beam Diameter	Field Diameter	Footcandle		Footcandle	Beam Diameter	Field Diameter
15 ft	1.57 ft	1.57 ft	2,611		86	12.43 ft	15.62 ft
20 ft	2.10 ft	2.10 ft	1,469		49	16.57 ft	20.82 ft
30 ft	3.14 ft	3.14 ft	653		22	24.85 ft	31.23 ft
40 ft	4.19 ft	4.19 ft	367		12	33.14 ft	41.65 ft
50 ft	5.24 ft	5.24 ft	235		8	41.42 ft	52.06 ft
75 ft	7.86 ft	7.86 ft	104		4	62.13 ft	78.09 ft
100 ft	10.48 ft	10.48 ft	59		2	82.84 ft	104.11 ft
125 ft	13.10 ft	13.10 ft	38		1	103.55 ft	130.14 ft
150 ft	15.72 ft	15.72 ft	26		1	124.26	156.17

Field Beam Field

	Narrow, With CRI Filter			Metric	Wide, With CRI Filter		
Distance	Beam Diameter	Field Diameter	Lux		Lux	Beam Diameter	Field Diameter
1 m	0.10 m	0.10 m	587,500		19,450	0.83 m	1.04 m
2 m	0.21 m	0.21 m	146,875		4,863	1.66 m	2.08 m
5 m	0.52 m	0.52 m	23,500		778	4.14 m	5.21 m
8 m	0.84 m	0.84 m	9,180		304	6.63 m	8.33 m
10 m	1.05 m	1.05 m	5,875		195	8.28 m	10.41 m
15 m	1.57 m	1.57 m	2,611		86	12.43 m	15.62 m
20 m	2.10 m	2.10 m	1,469		49	16.57 m	20.82 m
25 m	2.62 m	2.62 m	940		31	20.71 m	26.03 m
30 m	3.14 m	3.14 m	653		22	24.85 m	31.23 m

Field Beam Field

## Returns

Send the product prepaid, in the original box, and with the original packing and accessories. Chauvet will not issue call tags.

Call Chauvet and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause(s) for the return.

To submit a service request online, go to [www.chauvetprofessional.com/service-request](http://www.chauvetprofessional.com/service-request).

Clearly label the package with an RMA number. Chauvet will refuse any product returned without an RMA number.



**Write the RMA number on a properly affixed label. DO NOT write the RMA number directly on the box.**

Before sending the product, clearly write the following information on a piece of paper and place it inside the box:

- Your name
- Your address
- Your phone number
- RMA number
- A brief description of the problem

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be your responsibility. FedEx packing or double-boxing are recommended.



**Chauvet reserves the right to use its own discretion to repair or replace returned product(s).**

## Contact Us

General Information	Technical Support
<b>Chauvet World Headquarters</b>	
Address: 5200 NW 108th Ave. Sunrise, FL 33351 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: <a href="mailto:chauvetcs@chauvetlighting.com">chauvetcs@chauvetlighting.com</a> Website: <a href="http://www.chauvetprofessional.com">www.chauvetprofessional.com</a>
<b>Chauvet Europe Ltd</b>	
Address: Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: <a href="mailto:UKtech@chauvetlighting.eu">UKtech@chauvetlighting.eu</a> Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>
<b>Chauvet Europe BVBA</b>	
Address: Stokstraat 18 9770 Kruishoutem Belgium Voice: +32 9 388 93 97	Email: <a href="mailto:BNLtech@chauvetlighting.eu">BNLtech@chauvetlighting.eu</a> Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>
<b>Chauvet France</b>	
Address: 3, Rue Ampère 91380 Chilly-Mazarin France Voice: +33 1 78 85 33 59	Email: <a href="mailto:FRtech@chauvetlighting.fr">FRtech@chauvetlighting.fr</a> Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>
<b>Chauvet Germany</b>	
Address: Bruno-Bürger-Str. 11 28759 Bremen Germany Voice: +49 421 62 60 20	Email: <a href="mailto:DEtech@chauvetlighting.de">DEtech@chauvetlighting.de</a> Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>
<b>Chauvet Mexico</b>	
Address: Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	Email: <a href="mailto:servicio@chauvet.com.mx">servicio@chauvet.com.mx</a> Website: <a href="http://www.chauvetprofessional.mx">www.chauvetprofessional.mx</a>

Visit the applicable website above to verify our contact information and instructions to request support. Outside the U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact the dealer of record.