

MAVERICK FORCE 3 PROFILE User Manual



Model ID: MAVERICKFORCE3PROFILE


CHAUVET
PROFESSIONAL

Edition Notes

The Maverick Force 3 Profile User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the Maverick Force 3 Profile as of the release date of this edition.

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Document Printing

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

Intended Audience

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

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Document Revision

This Maverick Force 3 Profile User Manual is the 1st edition of this document. Go to www.chauvetprofessional.com for the latest version.

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Before You Begin

1. Before You Begin

What Is Included

- Maverick Force 3 Profile
- 2 Omega brackets with mounting hardware
- Seetronic Powerkon IP65 power cable
- 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.



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

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.

Before You Begin

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 15.4 ft (4.7 m) is not expected.
- If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or its service agent.
- The light source contained in this luminaire shall only be replaced by the manufacturer or its service agent or a similar qualified person.
- **CAUTION:**
 - This product's housing may be hot when operating. Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
 - When transferring the product from extreme temperature environments, (e.g., cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow the product to fully acclimate to the surrounding environment before connecting it to power.
 - Flashing light is known to trigger epileptic seizures. User must comply with local laws regarding notification of strobe use.
- **ALWAYS:**
 - Disconnect from power before cleaning the product or replacing the fuse.
 - Replace the fuse with the same type and rating.
 - Use a safety cable when mounting this product overhead.
 - Connect this product to a grounded and protected circuit.
- **DO NOT:**
 - Open this product. It contains no user-serviceable parts.
 - Look at the light source when the product is on.
 - Leave any flammable material within 20 cm of this product while operating or connected to power.
 - Connect this product to a dimmer or rheostat.
 - Operate this product if the housing, lenses, or cables appear damaged.
 - Operate this product outdoors or in any location where dust, excessive heat, water, or humidity may affect it (adhere to standards for the published IP rating).
- **ONLY** use the handles or the hanging/mounting brackets to carry this product.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at higher temperatures.
- The minimum startup temperature is -4°F (-20°C). Do not start the product at lower temperatures.
- The minimum ambient temperature is -22°F (-30°C). Do not operate the product at lower temperatures.
- To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.
- In the event of a serious operating problem, stop using immediately.



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

2. Introduction

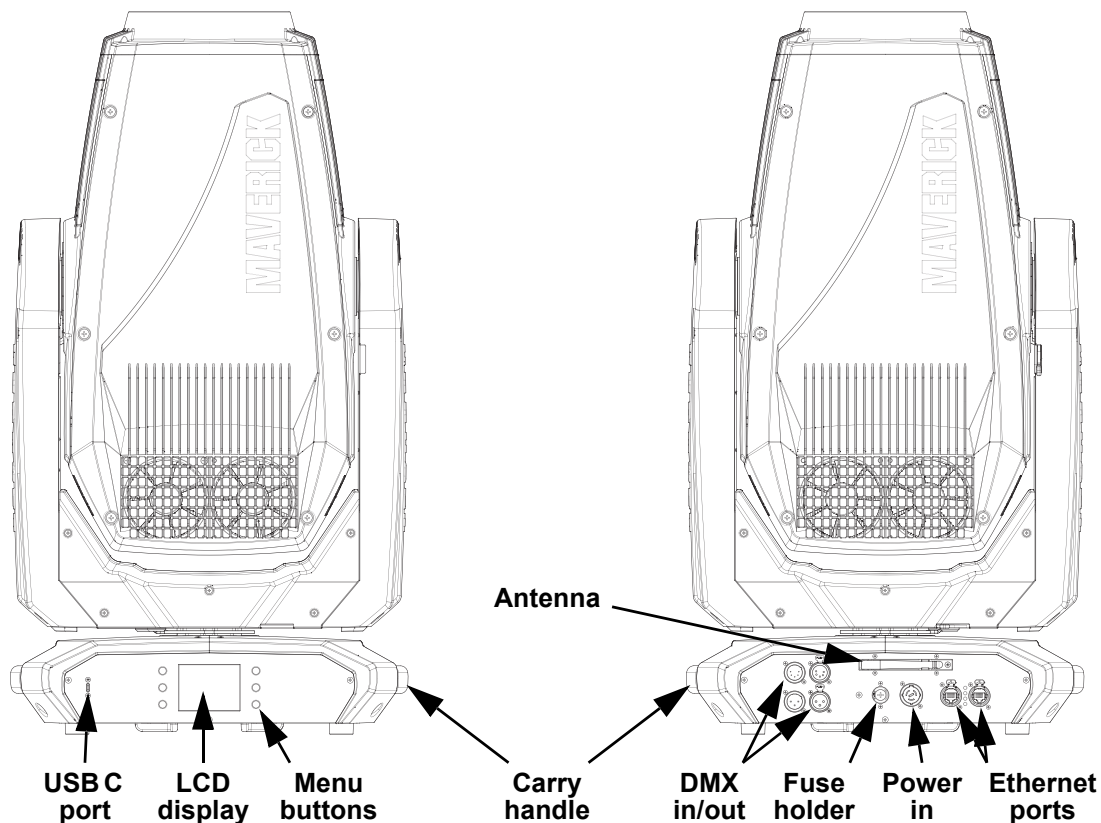
Description

The Maverick Force 3 Profile is a lightweight, tour-grade moving head which features an output of over 40,000 lumens and a myriad of speedy effects. The Maverick Force 3 Profile features CMY + CTO color-mixing, a color wheel, 2 stackable gobo wheels, and a zoom range of 5 to over 50 degrees that maintains a flat field of focus even when fully wide. A custom-built framing system containing 4 dual axis shutters with a 120-degree field of rotation, motorized iris, focus, zoom, and frost capabilities, alongside 2 5-facet rotating prisms give an abundance of tools for beam shaping. Control as desired with DMX, sACN, Art-Net or W-DMX.

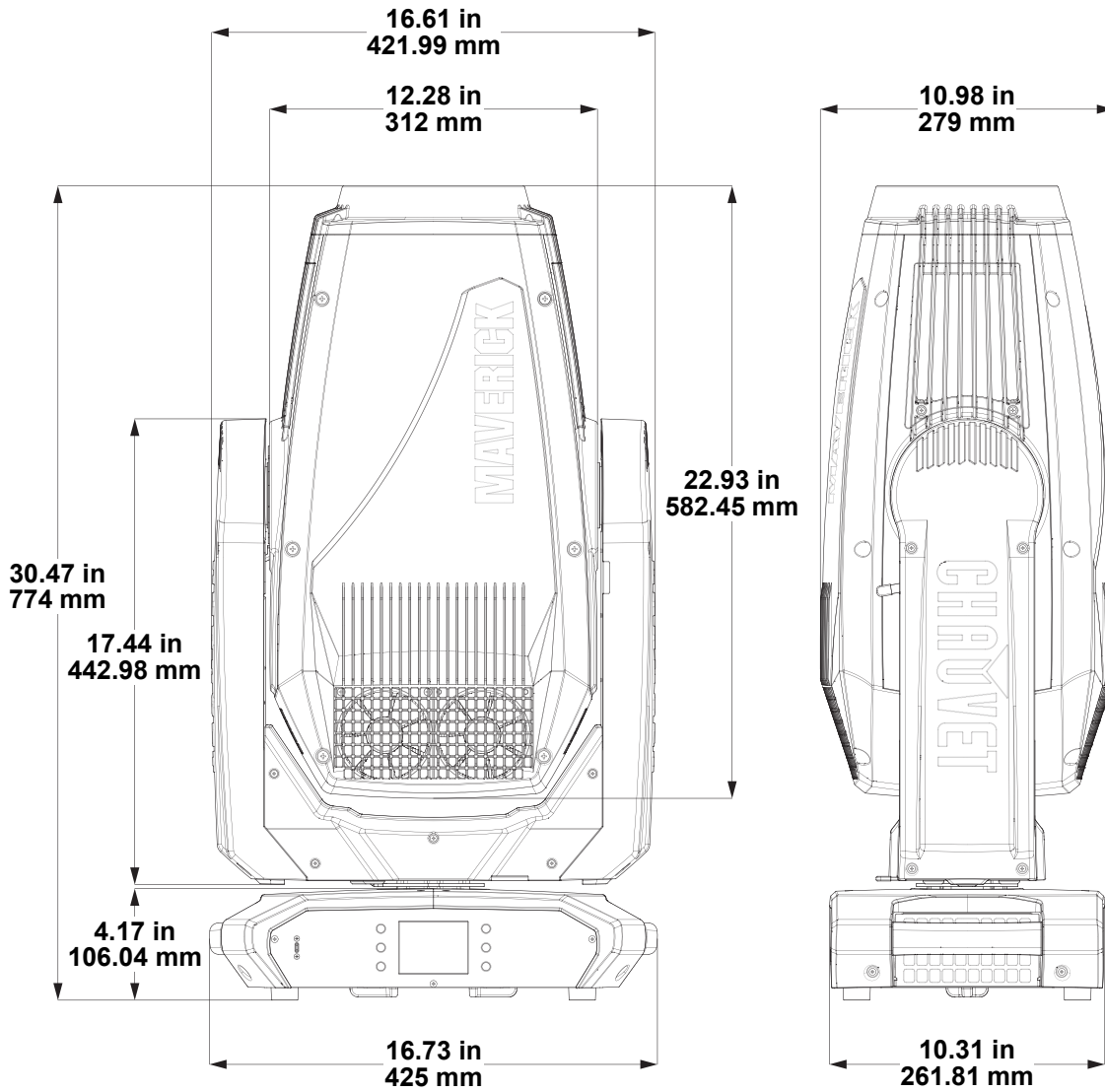
Features

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

Product Overview



Product Dimensions



3. Setup

AC Power

The Maverick Force 3 Profile has an auto-ranging power supply and it can work with an input voltage range of 100 to 240 VAC, 50/60 Hz.

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



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



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

AC Plug

The Maverick Force 3 Profile comes with a power input cable terminated with a Seetronic Powerkon A connector on one end and an Edison plug on the other end (U.S. market). If the cable has no plug or it is necessary to change the plug, use the table below to wire a plug.

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

Fuse Replacement

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

Remote Device Management (RDM)

Remote Device Management, or RDM, is a standard for allowing DMX-enabled devices to communicate bi-directionally along existing DMX cabling. Check the DMX controller's User Manual or with the manufacturer as not all DMX controllers have this capability. The Maverick Force 3 Profile supports RDM protocol that allows feedback to make changes to menu map options.

USB Software Update

The Maverick Force 3 Profile allows for software update through USB using the built-in USB port. The product's USB port supports up to 32GB capacity and only works with FAT32 file format. To update the software using a USB flash drive, do the following:

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

Setup

Mounting

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

Orientation

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

Rigging

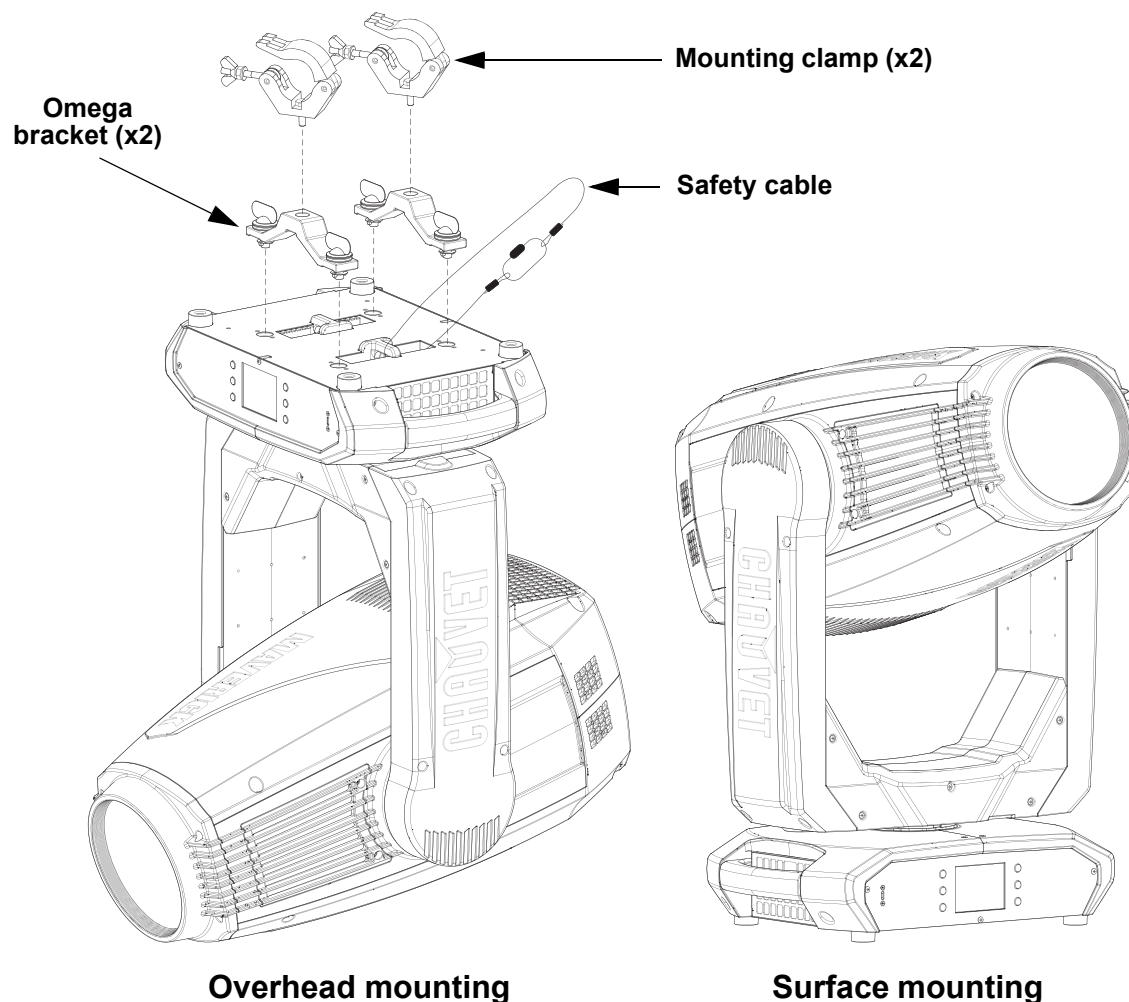
Chauvet recommends using the following general guidelines when mounting this product.

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

Procedure

The Maverick Force 3 Profile comes with 2 omega brackets to which the user can directly attach mounting clamps (sold separately). Make sure the clamps are capable of supporting the weight of this product. Use at least two mounting points per product. For the Chauvet Professional line of mounting clamps, go to <http://www.trusst.com/products>.

Mounting Diagram



Signal Connections

The Maverick Force 3 Profile can receive a DMX, Art-Net™, or sACN, signal. The Maverick Force 3 Profile has two Amphenol XLRnet through ports, and both 3-pin and 5-pin DMX in and out ports. If using other compatible products with this product, it is possible to control each individually with a single controller.

Control Personalities

The Maverick Force 3 Profile uses a 3-pin or 5-pin DMX data connection, WDMX, Art-Net™, or sACN for its two control personalities: **Dmx Mode 37 CH** and **Dmx Mode 53 CH**.

- Refer to the [Operation](#) chapter to learn how to configure the Maverick Force 3 Profile to work in these personalities.
- The [Control Channel Assignments and Values](#) section provides detailed information regarding the control personalities.



For more information about DMX standards or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website: www.chauvetprofessional.com.

DMX Linking

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

Art-Net™ Connection

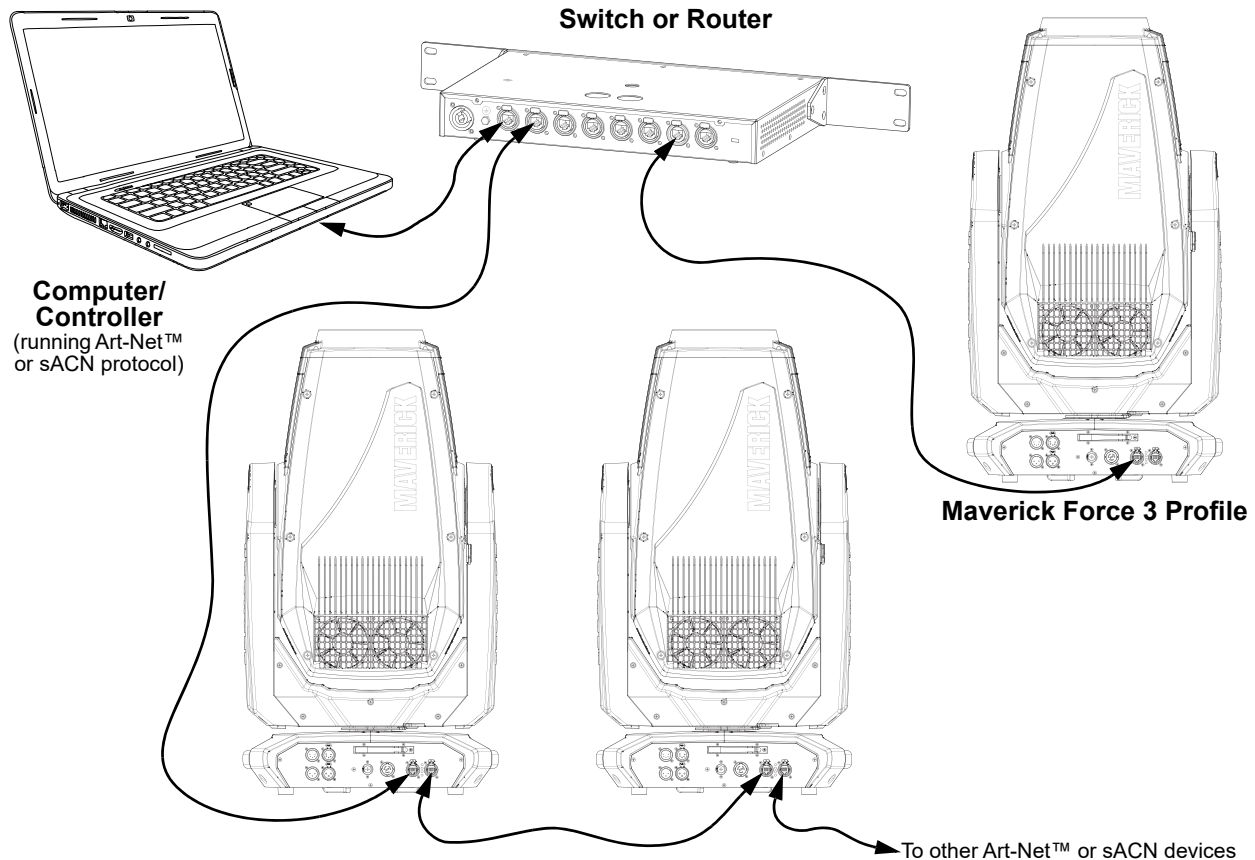
Art-Net™ is an Ethernet protocol that uses TCP/IP that transfers a large amount of DMX512 data using an Amphenol XLRnet RJ45 connection over a large network. An Art-Net™ protocol document is available from www.chauvetprofessional.com.

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

sACN Connection

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

Connection Diagram









4. Operation

Touchscreen Control Panel

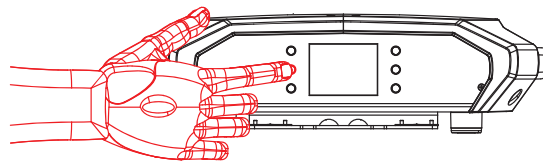
The Maverick Force 3 Profile has a touchscreen display as well as 6 control buttons. Navigate the menu structure by pressing the buttons, touching the images of the buttons on the sides of the display, or touching the desired menu option on the display directly. The touchscreen can be locked and calibrated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

Control Panel Description

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

Battery Powered Display

The Maverick Force 3 Profile has a battery powered display which enables access to the menu when the product is powered off. Press and hold <MENU> until the display activates (approximately 15 seconds).



Home Screen

The Maverick Force 3 Profile has a home screen that shows the current control protocols, personalities, starting addresses, IP addresses, and universes. To see the home screen, press <MENU> repeatedly until it shows on the display. From the home screen, touch any of the displayed control settings to immediately jump to that part of the menu, such as the personality, starting address, or universe, or press <ENTER> to reach the main menu.

Control Panel Lock

The setting locks or unlocks the control panel.

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



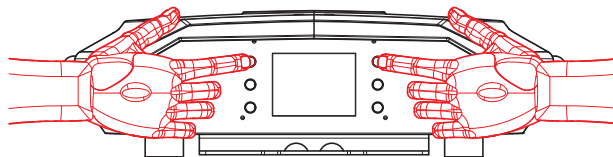
When the control panel lock is activated, the product will prompt for the passcode in order to access the menu. Enter the passcode as described below.

Passcode

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

Technician Mode

The technician mode disables the pan/tilt motors, allowing the output of the product to be aimed by hand. To enable the technician mode of the Maverick Force 3 Profile, hold <UP> and <LEFT> while the product is powering on. When the product is turned off and back on, the pan and tilt will return to normal function.



Menu Map

Refer to the Maverick Force 3 Profile product page on www.chauvetprofessional.com 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	_____ (000–255)	Sets the IP address in Manual mode
SubMask	_____ (000–255)	Sets the Subnet Mask in Manual mode	
Personality	Dmx Mode 37 CH	NO YES	Selects the 37-channel mode
	Dmx Mode 53 CH		Selects the 53-channel mode
Settings	Control Mode	DMX	Selects the DMX control protocol
		WDMX	Selects Lumenradio CRMX™
		ArtNet	Selects the Art-Net* control protocol
		sACN	Selects the sACN control protocol
	Pan Reverse	NO	Normal pan
		YES	Reversed pan
	Tilt Reverse	NO	Normal tilt
		YES	Reversed tilt
	Screen Reverse	NO	Normal screen display
		YES	Inverted screen display
		AUTO	Automatic display orientation
	Pan Angle	540	540° pan range
		360	360° pan range
		180	180° pan range
	Tilt Angle	270	270° tilt range
		180	180° tilt range
		090	90° tilt range
	BL. O. P/T Move	NO	Enable/disable blackout while panning/tilting
		YES	
	BL. O. Color Move	NO	Enable/disable blackout while color wheel is moving
		YES	
	BL. O. Gobo Move	NO	Enable/disable blackout while gobo wheels are moving
		YES	
	Calibration	NO	Cancel calibration
		YES	Calibrate touchscreen
	Touchscreen Lock	NO	Touch screen enabled
		YES	Touch screen disabled
Lock Screen	NO	Lock the buttons	
	YES	Passcode: 0920	
Swap XY	NO	Do not swap pan and tilt	
	YES	Pan controls tilt, tilt controls pan	
WDMX Reset	NO	Do not reset WDMX	
	YES	Reset WDMX	

Main Level	Programming Levels		Description
Settings (cont.)	Backlight Timer	30S	Display turns off after 30 seconds
		1M	Display turns off after 1 minute
		5M	Display turns off after 5 minutes
		ON	Display stays on
	Loss of Data	Hold	Holds last signal received
		Close	Blacks out fixture
	Fans	Auto	Fan speed according to product temperature
		Full	Fan speed set on high
		ECO	Quiet mode
		TV25	Maintains LED output up to an ambient temperature of 77 °F (25 °C) (TV25) or 95 °F (35 °C) (TV35).
	Dimmer Curve	TV35	When using these fan modes, please set the PWM Options to 6000Hz or 15000Hz to prevent any possible harmonization noise.
		Linear	Set the dimmer curve
		Square	
		I Squa	
		SCurve	
	Linear2		
	PWM Option	600Hz	Sets the Pulse Width Modulation frequency
		1200Hz	
		4000Hz	
		6000Hz	
	LED POWER	15000Hz	Sets the maximum LED output
		064–255	
	Min Zoom Focus	NO	Enables/disables Minimum Zoom Focus
YES			
Preset Select	PRESET A	Recorded preset menu options	
	PRESET B		
	PRESET C		
Preset Sync	NO	Transfers recorded preset menu options to other Maverick Force 3 Profile fixtures in the DMX daisy chain	
	YES		
USB Update	NO	Update firmware via USB C	
	YES		
Reset Function	Pan/Tilt	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	000–255	Manually control and test all settings through the control panel
		Pan Fine		
		Tilt		
		Tilt Fine		
		P/T Speed		
		Dimmer		
		Dimmer Fine		
		Shutter		
		Virtual Shaking		
		Cyan		
		Magenta		
		Yellow		
		CTO		
		Color		
		Gobo		
		Gobo Rotate		
		Gobo Index		
		Gobo2		
		Animation		
		Animation Rotate		
		Blade1- 1		
		Blade1- 1 Fine		
		Blade1- 2		
		Blade1- 2 Fine		
		Blade2- 1		
		Blade2- 1 Fine		
		Blade2- 2		
		Blade2- 2 Fine		
		Blade3- 1		
		Blade3- 1 Fine		
		Blade3- 2		
		Blade3- 2 Fine		
Blade4- 1				
Blade4- 1 Fine				
Blade4- 2				
Blade4- 2 Fine				
Blade Rotate				
Blade. Rota Fine				
Focus				
Focus Fine				
Focus Auto				
Zoom				
Zoom Fine				

Main Level	Programming Levels		Description		
Test (cont.)	Manual Test (cont.)	Prism	000–255	Manually control and test all settings through the control panel	
		Prism Rotate			
		Prism2			
		Prism2 Rotate			
		Iris			
		Frost			
		Frost2			
		CMY Macro			
		CMY Macro Speed			
	Control				
Information	Fixture Information	Ver	V_ _ _ _ _	Shows firmware version	
		Running Mode	_ _ _ _	Shows current running mode	
		DMX Address	_ _ _	Shows current starting address	
		Temperature	_ _ _	Shows current product temperature	
		Fixture Hours	_ _ _ _ _	Shows hours product has been on	
		LED Hours	_ _ _ _ _	Shows hours LED has been on	
		Ip	_ _ _ _ _ _ _ _	Shows current IP address	
		SubMask	_ _ _ _ _ _ _ _	Shows current Subnet Mask	
	Fan Information	Base Fan1–2 Speed	_ _ _ _	Shows speed of each fan in rpm	
		Base Fan5–6 Speed	_ _ _ _		
		FAN1–2 Speed	_ _ _ _		
		FAN5–8 Speed	_ _ _ _		
		JFAN1–4 Speed	_ _ _ _		
		F-SPA Speed	_ _ _ _		
		ZFAN1 Speed	_ _ _ _		
	XFAN Speed	_ _ _ _			
	Error Information		_ _ _ _ _	Shows any errors, or No Error!	
	Channel Information	Frequency		000–255	Shows all current values from input signals
		Pan			
		Pan Fine			
		Tilt			
		Tilt Fine			
		P/T Speed			
Dimmer					
Dimmer Fine					
Shutter					
Virtual Shaking					
Cyan					
Magenta					
Yellow					
CTO					
Color					
Gobo					
Gobo Rotate					

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

Operation

Configuration (DMX, Art-Net™, sACN)

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

Control Mode

The Maverick Force 3 Profile works with wired DMX, WDMX, Art-Net™, and sACN control signals. To select which protocol to use:

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

Control Personalities

To set the control personality:

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



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

Starting Address

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

1. Go to the **Address** main level.
2. Select the starting address (**001–512**).
 - The highest recommended starting address for **Dmx Mode 37 CH** is **476**.
 - The highest recommended starting address for **Dmx Mode 53 CH** is **460**.

Network Setup

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

IP Mode

To choose how the IP address is set:

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

Universe

To assign an Art-Net™ or sACN universe to the Maverick Force 3 Profile:

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

Manual IP Address

To set the IP address when the **IP Mode** is set to **Manual**:

1. Go to the **Network Setup** main level.
2. Select the **Ip** option.
3. Set the 4 values of the IP address from **000–255**.

Subnet Mask

To set the subnet mask:

1. Go to the **Network Setup** main level.
2. Select the **SubMask** option.
3. Set the 4 values of the subnet mask from **000–255**.

Control Channel Assignments and Values

37CH	53CH	Function	Value	Percent/Setting
1	1	Pan	000 ⇄ 255	0–100%
2	2	Fine pan	000 ⇄ 255	Fine control (16-bit)
3	3	Tilt	000 ⇄ 255	0–100%
4	4	Fine tilt	000 ⇄ 255	Fine control (16-bit)
5	5	Pan/tilt speed	000 ⇄ 255	Fast to slow
6	6	Dimmer	000 ⇄ 255	0–100%
–	7	Fine dimmer	000 ⇄ 255	Fine control (16-bit)
7	8	Strobe	000 ⇄ 003	Off
			004 ⇄ 007	On
			008 ⇄ 076	Synchronized strobe, slow to fast
			077 ⇄ 145	Pulse strobe, slow to fast
			146 ⇄ 215	Random strobe, slow to fast
			216 ⇄ 255	On
8	9	Virtual strobe	000 ⇄ 001	No function
			002 ⇄ 128	Shaking strobe, slow to fast
			129 ⇄ 255	Fading shake, slow to fast
9	0	Cyan	000 ⇄ 255	0–100%
10	11	Magenta	000 ⇄ 255	0–100%
11	12	Yellow	000 ⇄ 255	0–100%
12	13	CTO	000 ⇄ 255	0–100%
13	14	Color wheel	000 ⇄ 007	Open
			008 ⇄ 015	Color 1 (red)
			016 ⇄ 023	Color 2 (yellow)
			024 ⇄ 031	Color 3 (green)
			032 ⇄ 039	Color 4 (blue)
			040 ⇄ 047	Color 5 (CTO)
			048 ⇄ 059	Color 6 (CTB)
			060 ⇄ 187	Color wheel indexing
			188 ⇄ 219	Color scroll, fast to slow
			220 ⇄ 223	Stop
			224 ⇄ 255	Reverse color scroll, slow to fast

37CH	53CH	Function	Value	Percent/Setting
14	15	Gobo wheel 1 (see Gobo Wheels)	000 ⇔ 007	Open
			008 ⇔ 015	Gobo 1
			016 ⇔ 023	Gobo 2
			024 ⇔ 031	Gobo 3
			032 ⇔ 039	Gobo 4
			040 ⇔ 047	Gobo 5
			048 ⇔ 055	Gobo 6
			056 ⇔ 063	Gobo 7
			064 ⇔ 071	Gobo 7 shaking, slow to fast
			072 ⇔ 079	Gobo 6 shaking, slow to fast
			080 ⇔ 087	Gobo 5 shaking, slow to fast
			088 ⇔ 095	Gobo 4 shaking, slow to fast
			096 ⇔ 103	Gobo 3 shaking, slow to fast
			104 ⇔ 111	Gobo 2 shaking, slow to fast
			112 ⇔ 119	Gobo 1 shaking, slow to fast
			120 ⇔ 127	Open
128 ⇔ 191	Gobo scroll, fast to slow			
192 ⇔ 255	Reverse gobo scroll, slow to fast			
15	16	Gobo 1 rotation	000 ⇔ 063	Gobo indexing
			064 ⇔ 145	Gobo rotation, fast to slow
			146 ⇔ 149	Stop
			150 ⇔ 231	Reverse gobo rotation, slow to fast
			232 ⇔ 255	Gobo bounce, short to long
-	17	Gobo 1 fine indexing	000 ⇔ 255	Gobo fine indexing
16	18	Gobo wheel 2 (see Gobo Wheels)	000 ⇔ 005	Open
			006 ⇔ 011	Gobo 1
			012 ⇔ 017	Gobo 2
			018 ⇔ 023	Gobo 3
			024 ⇔ 029	Gobo 4
			030 ⇔ 035	Gobo 5
			036 ⇔ 041	Gobo 6
			042 ⇔ 047	Gobo 7
			048 ⇔ 053	Gobo 8
			054 ⇔ 063	Gobo 9
			064 ⇔ 069	Gobo 9 shaking, slow to fast
			070 ⇔ 075	Gobo 8 shaking, slow to fast
			076 ⇔ 081	Gobo 7 shaking, slow to fast
			082 ⇔ 087	Gobo 6 shaking, slow to fast
			088 ⇔ 093	Gobo 5 shaking, slow to fast
			094 ⇔ 099	Gobo 4 shaking, slow to fast
100 ⇔ 105	Gobo 3 shaking, slow to fast			
106 ⇔ 111	Gobo 2 shaking, slow to fast			
112 ⇔ 117	Gobo 1 shaking, slow to fast			
118 ⇔ 127	Open			
128 ⇔ 191	Gobo scroll, fast to slow			
192 ⇔ 255	Reverse gobo scroll, slow to fast			
17	19	Animation wheel	000 ⇔ 255	0–100%

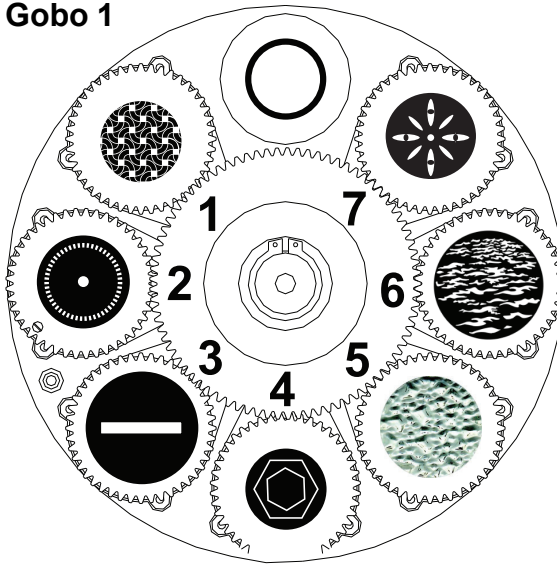
37CH	53CH	Function	Value	Percent/Setting
18	20	Animation rotation	000 ⇔ 124 125 ⇔ 130 131 ⇔ 255	Animation rotation, fast to slow Stop Reverse animation rotation, slow to fast
19	21	Blade 1-1	000 ⇔ 255	0–100%
–	22	Blade 1-1 fine	000 ⇔ 255	Fine control (16-bit)
20	23	Blade 1-2	000 ⇔ 255	0–100%
–	24	Blade 1-2 fine	000 ⇔ 255	Fine control (16-bit)
21	25	Blade 2-1	000 ⇔ 255	0–100%
–	26	Blade 2-1 fine	000 ⇔ 255	Fine control (16-bit)
22	27	Blade 2-2	000 ⇔ 255	0–100%
–	28	Blade 2-2 fine	000 ⇔ 255	Fine control (16-bit)
23	29	Blade 3-1	000 ⇔ 255	0–100%
–	30	Blade 3-1 fine	000 ⇔ 255	Fine control (16-bit)
24	31	Blade 3-2	000 ⇔ 255	0–100%
–	32	Blade 3-2 fine	000 ⇔ 255	Fine control (16-bit)
25	33	Blade 4-1	000 ⇔ 255	0–100%
–	34	Blade 4-1 fine	000 ⇔ 255	Fine control (16-bit)
26	35	Blade 4-2	000 ⇔ 255	0–100%
–	36	Blade 4-2 fine	000 ⇔ 255	Fine control (16-bit)
27	37	Frame rotation	000 ⇔ 255	0–100%
–	38	Fine frame rotation	000 ⇔ 255	Fine control (16-bit)
28	39	Focus	000 ⇔ 255	0–100%
–	40	Fine focus	000 ⇔ 255	Fine control (16-bit)
–	41	Auto Focus	000 ⇔ 010 011 ⇔ 030 031 ⇔ 050 051 ⇔ 070 071 ⇔ 090 091 ⇔ 110 111 ⇔ 130 131 ⇔ 150 151 ⇔ 170 171 ⇔ 190 191 ⇔ 210 211 ⇔ 255	No function 0–5 m 6 m 7 m 8 m 9 m 10 m 12.5 m 15 m 17.5 m 20–60 m Auto-detect distance
29	42	Zoom	000 ⇔ 255	0–100%
–	43	Fine Zoom	000 ⇔ 255	Fine control (16-bit)
30	44	Prism	000 ⇔ 004 005 ⇔ 255	No function Prism insert
31	45	Prism rotation	000 ⇔ 127 128 ⇔ 189 190 ⇔ 193 194 ⇔ 255	Prism index Prism rotation, fast to slow Stop Reverse prism rotation, slow to fast
32	46	Prism 2	000 ⇔ 004 005 ⇔ 255	No function Prism insert
33	47	Prism 2 rotation	000 ⇔ 127 128 ⇔ 189 190 ⇔ 193 194 ⇔ 255	Prism index Prism rotation, fast to slow Stop Reverse prism rotation, slow to fast

Operation

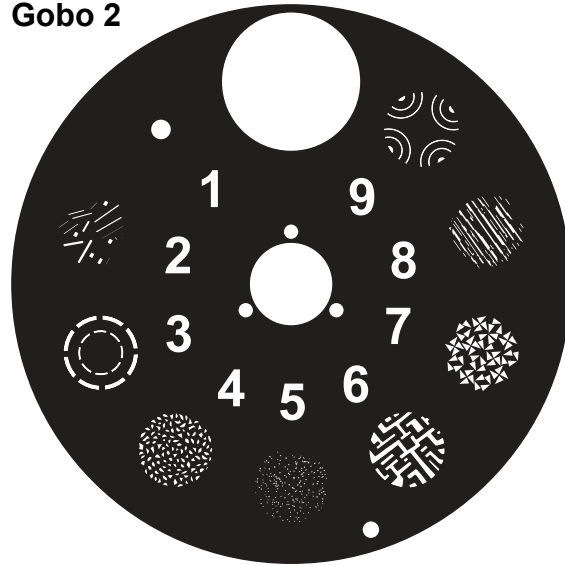
37CH	53CH	Function	Value	Percent/Setting
34	48	Iris	000 ⇔ 063	Big to small
			064 ⇔ 127	Auto change, slow to fast
			128 ⇔ 191	Slow open, fast close (slow to fast)
			192 ⇔ 255	Slow close, fast open (slow to fast)
35	49	Frost	000 ⇔ 255	0–100%
36	50	Frost 2	000 ⇔ 255	0–100%
–	51	CMY Macro	000 ⇔ 009	No function
			010 ⇔ 255	CMY macro
–	52	CMY Macro Speed	000 ⇔ 255	CMY macro speed, fast to slow
37	53	Control (3 second hold)	000 ⇔ 007	No function
			008 ⇔ 015	Blackout on pan/tilt
			016 ⇔ 023	Blackout on color wheel movement
			024 ⇔ 031	Blackout on gobo wheel movement
			032 ⇔ 039	Blackout on pan/tilt/color wheel
			040 ⇔ 047	Blackout on pan/tilt/gobo wheel
			048 ⇔ 055	Blackout on pan/tilt/color/gobo wheel
			056 ⇔ 059	Pulse width modulation 600 Hz
			060 ⇔ 063	Pulse width modulation 1200 Hz
			064 ⇔ 067	Pulse width modulation 2000 Hz
			068 ⇔ 071	Pulse width modulation 4000 Hz
			072 ⇔ 075	Pulse width modulation 6000 Hz
			076 ⇔ 079	Pulse width modulation 15000 Hz
			080 ⇔ 095	No function
			096 ⇔ 103	Reset pan
			104 ⇔ 111	Reset tilt
			112 ⇔ 119	Reset color wheel
			120 ⇔ 127	Reset gobo wheels
			128 ⇔ 131	Gobo wheel CTB on
			132 ⇔ 135	Gobo wheel CTB off
			136 ⇔ 143	Reset prism
			144 ⇔ 151	Reset framing blades
			152 ⇔ 159	Reset all
			160 ⇔ 167	Reset iris
			168 ⇔ 175	Reset frost and animation
			176 ⇔ 183	Reset zoom
			184 ⇔ 191	Reset CMY and CTO
			192 ⇔ 199	Fan mode ECO
			200 ⇔ 207	Fan mode Full
			208 ⇔ 215	Fan mode Auto
			216 ⇔ 220	Fan mode TV25
			221 ⇔ 225	Fan mode TV35
226 ⇔ 230	No function			
231 ⇔ 235	Swap XY on			
236 ⇔ 240	Swap XY off			
241 ⇔ 255	No function			

Gobo Wheels

Gobo 1



Gobo 2



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** (automatic orientation).

Pan Angle

To set the maximum angle of the pan:

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

Tilt Angle

To set the maximum angle of the tilt:

1. Go to the **Settings** main level.
2. Select the **Tilt Angle** option.
3. Select from **270** (260°), **180** (180°), or **090** (90°).

Black out on Movement

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

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

Operation

Touchscreen Calibration

To calibrate the touchscreen:

1. Go to the **Settings** main level.
2. Select the **Calibration** option.
3. Select from **NO** (cancel), or **YES** (calibrate).
4. Follow the instructions on the display.

Touchscreen Lock

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

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

Swap Pan and Tilt

To swap the controls for the pan and tilt:

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

WDMX Reset

To reset the WDMX connection:

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

Display Backlight Timer

To set how long before an inactive display will turn off:

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

Loss of Data

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

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

Fan Mode

To set the fan speed mode:

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



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

Dimmer Curve

To set the dimmer curve:

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

Pulse Width Modulation

To adjust the frequency of the pulse width modulation:

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

LED Power

To set the maximum power of the LED output:

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

Minimum Zoom Focus

To enable or disable the minimum zoom focus function:

1. Go to the **Settings** main level.
2. Select the **Min Zoom Focus** option.
3. Select 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 3 Profile to another:

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



- **All menu configurations are transferred except for the IP address.**
- **ONLY connect Maverick Force 3 Profile products for this function!**

USB Update

To enable or disable software update using USB:

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



See the [USB Software Update](#) section for the detailed instructions on how to update the Maverick Force 3 Profile software using a USB C connection.

Minimum Zoom Focus

To enable or disable the Min Zoom Focus function:

1. Go to the **Settings** main level.
2. Select the **Min Zoom Focus** option.
3. Select **NO** (manual independent zoom control) or **YES** (focus adjusts depending on zoom setting).

Operation

Reset Function

To reset specific functions or the entire product:

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

Factory Reset

To reset the product to factory settings:

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

Test Mode

Auto Test

To have the Maverick Force 3 Profile automatically test all functions one after the other:

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

Manual Test

To manually test an individual function of the Maverick Force 3 Profile:

1. Go to the **Test** main level.
2. Select the **Manual Test** option.
3. Select a function to test, from **Pan, Pan Fine, Tilt, Tilt Fine, P/T Speed, Dimmer, Dimmer Fine, Shutter, Virtual Shaking, Cyan, Magenta, Yellow, CTO, Color, Gobo, Gobo Rotate, Gobo Index, Gobo2, Animation, Animation Rotate, Blade1- 1, Blade1- 1 Fine, Blade1- 2, Blade1- 2 Fine, Blade2- 1, Blade2- 1 Fine, Blade2- 2, Blade2- 2 Fine, Blade3- 1, Blade3- 1 Fine, Blade3- 2, Blade3- 2 Fine, Blade4- 1, Blade4- 1 Fine, Blade4- 2, Blade4- 2 Fine, Blade Rotate, Blade Rota Fine, Focus, Focus Fine, Focus Auto, Zoom, Zoom Fine, Prism, Prism Rotate, Prism2, Prism2 Rotate, Iris, Frost, Frost2, CMY Macro, CMY Macro Speed, or Control**.
4. Increase or decrease the value of the selected function from **0–255** to test it.

System Information

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

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

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: **0920** and press **<ENTER>**.
3. Select the "zero" position to adjust, from **PAN, TILT, COLOR, GOBO, GOBO ROTATE, GOBO2, ANIMATION, FOCUS-GOBO, FOCUS-GOBO2, ZOOM, PRISM, PRISM2, PRISM2 ROT, IRIS, FROST, FROST2, CYAN, MAGENTA, YELLOW, CTO, BLADE1- 1, BLADE1- 2, BLADE2- 1, BLADE2- 2, BLADE3- 1, BLADE3- 2, BLADE4- 1, BLADE4- 2, BLADE ROTATE, DIMMER1, DIMMER2, DIMMER3, RDM ID4, RDM ID5, RDM ID6, MAC4, MAC5, or MAC6**.
4. Adjust the "zero" position for the selected function from **000–255**.

Web Server

The Maverick Force 3 Profile Web Server can be accessed by any computer on the same network as the product. It allows network access to system information, settings such as control setup, manual testing of all functions, firmware updates, and the ability to change the Web Server password.

1. Connect the product to power, and set the [Control Mode](#) to **ArtNet** and the [IP Mode](#) to **Static**.
2. Connect the product to a Windows computer with a network cable.
3. On the computer, set the first value of the IP address of the new network to match the first value of the IP address of the product. The IP address of the product is displayed on the [Home Screen](#).
4. Enter the IP address of the product into the URL bar of a web browser on the computer.
5. Enter both the User Name and Password as **admin** to log in.

Information

The Information page on the Web Server displays the current settings and the system information of the Maverick Force 3 Profile.

Setup

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

Manual Test

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

Firmware Update

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

Security

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

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.

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
16.73 in (425 mm)	10.98 in (279 mm)	30.47 in (774 mm)	84.2 lb (38.2 kg)

Note: Dimensions in inches are rounded.

Power

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

Parameter	100 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	240 V, 50 Hz
Consumption	1250 W	1320 W	1270 W	1260 W	1270 W
Operating Current	12.58 A	11.29 A	6.32 A	5.76 A	5.51 A
Fuse/Breaker	F20 A, 250 V	F20 A, 250 V	F20 A, 250 V	F20 A, 250 V	F20 A, 250 V

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

Light Source

Type	Power	Lifespan
OSRAM SIRIUS HRI lamp	420 W	2,500 hours

Photometrics

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

Illuminance (4.9°)	Illuminance (53.9°)
130,582 lux @ 5 m	3,792 lux @ 15 m

Thermal

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

Control

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

Ordering

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



UL 1573
CSA C22.2 No. 166
E113093



Contact Us

General Information	Technical Support
Chauvet World Headquarters	
Address: 3360 Davie Rd. Davie, FL 33314 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetprofessional.com
Chauvet U.K.	
Address: Pod 1 EVO Park Little Oak Drive, Sherwood Park Nottinghamshire, NG15 0EB UK Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: UKtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet Benelux	
Address: Stokstraat 18 9770 Kruishoutem Belgium Voice: +32 9 388 93 97	Email: BNLtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet France	
Address: 3, Rue Ampère 91380 Chilly-Mazarin France Voice: +33 1 78 85 33 59	Email: FRtech@chauvetlighting.fr Website: www.chauvetprofessional.eu
Chauvet Germany	
Address: Bruno-Bürgel-Str. 11 28759 Bremen Germany Voice: +49 421 62 60 20	Email: DEtech@chauvetlighting.de Website: www.chauvetprofessional.eu
Chauvet Mexico	
Address: Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	Email: servicio@chauvet.com.mx Website: www.chauvetprofessional.mx

Warranty & Returns

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

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

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