

MAVERICK STORM

1 FLEX

User Manual



Model ID: MAVERICKSTORM1FLEX

CHAUVET
PROFESSIONAL

Edition Notes

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

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

Intended Audience

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

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Document Revision

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

| Revision | Date | Description |
|----------|---------|--------------------------------|
| 4 | 12/2025 | Added Sky Tracker instructions |

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Before You Begin

1. Before You Begin

What Is Included

- Maverick Storm 1 Flex
- Seetronic Powerkon IP65 power cable
- 2x 140D Omega brackets with mounting hardware
- Quick Reference Guide

Claims

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

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

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

Text Conventions

| Convention | Meaning |
|----------------------|--|
| 1–512 | A range of values |
| 50/60 | A set of values of which only one can be chosen |
| Settings | A menu option not to be modified |
| <ENTER> | A key to be pressed on the product's control panel |

Symbols

| Symbol | Meaning |
|---|---|
|  | Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator. |
|  | Important installation or configuration information. The product may not function correctly if this information is not used. |
|  | Useful information. |

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

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

 Connection of the control signal: DMX line

- The product has XLR sockets for DMX input and output.

- Notice: This control circuit is isolated and belongs to the Class 2 data port.

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

Safety Notes

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



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



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

- The luminaire is intended for professional use only.
- The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 32.81 ft (10 m) is not expected.
- If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or its service agent.
- The light source contained in this luminaire shall only be replaced by the manufacturer or its service agent or a similar qualified person.
- **CAUTION:**
 - This product's housing may be hot when operating. Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
 - When transferring the product from extreme temperature environments, (e.g., cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow the product to fully acclimate to the surrounding environment before connecting it to power.
 - Flashing light is known to trigger epileptic seizures. User must comply with local laws regarding notification of strobe use.
- **ALWAYS:**
 - Disconnect from power before cleaning the product or replacing the fuse.
 - When using an IP65-rated product in an outdoor environment, use IP65- (or higher) rated power and data cable.
 - Replace and secure IP-rated protective covers to all power, data, USB, or other ports when not in use.
 - 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.
 - Submerge this product (adhere to standards for the published IP rating). Regular outdoor operation is fine.
 - Permanently install outdoors in locations with extreme environmental conditions. This includes, but is not limited to:
 - Exposure to a marine/saline environment (within 3 miles of a saltwater body of water).
 - Locations where normal temperatures exceed the temperature ranges in this manual.
 - Locations that are prone to flooding or being buried in snow.
 - Other areas where the product will be subject to extreme radiation or caustic substances.
 - ONLY use the handles or the hanging/mounting brackets to carry this product.
 - The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at higher temperatures.
 - The minimum startup temperature is -4°F (-20°C). Do not start the product at lower temperatures.
 - The minimum ambient temperature is -22°F (-30°C). Do not operate the product at lower temperatures.
 - To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.
 - In the event of a serious operating problem, stop using immediately.



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

Before You Begin

FCC Statement of Compliance

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

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

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

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

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

RF Exposure Warning for North America and Australia

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

Expected LED Lifespan

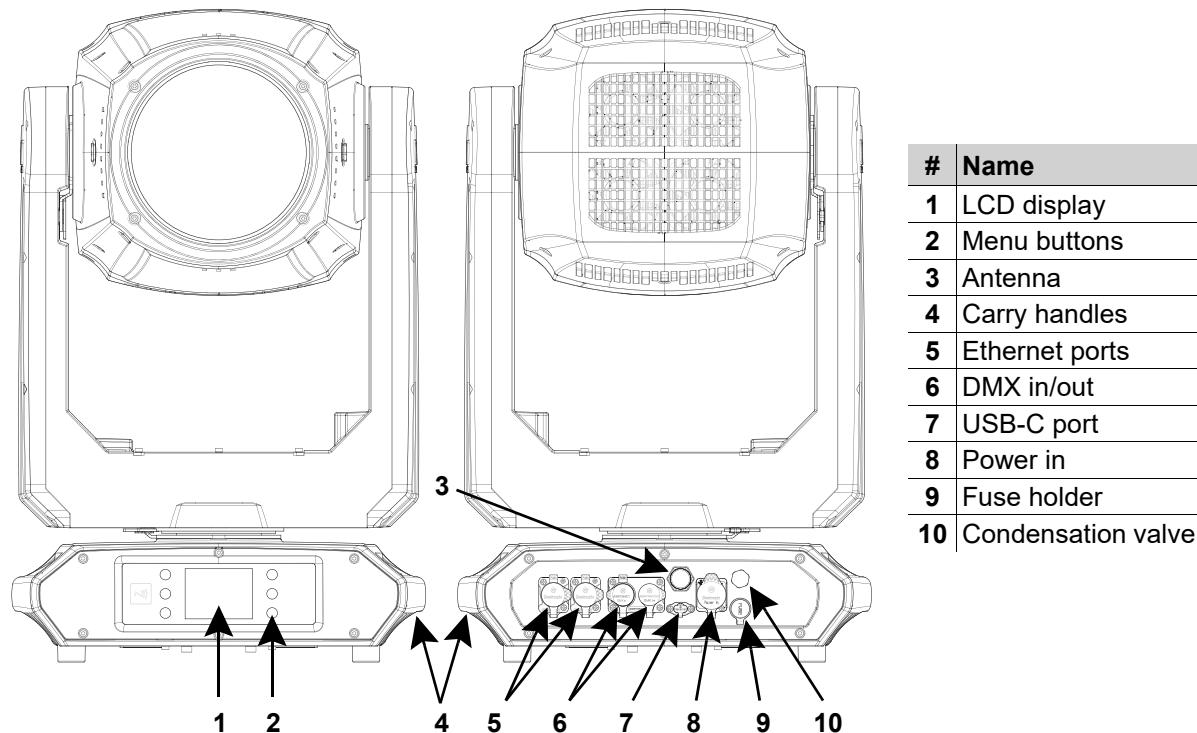
Over time, use and heat will gradually reduce LED brightness. Clustered LEDs produce more heat than single LEDs, contributing to shorter lifespans if always used at full intensity. The average LED lifespan is 40,000 to 50,000 hours. To extend LED lifespan, maintain proper ventilation around the product,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

2. Introduction

Features

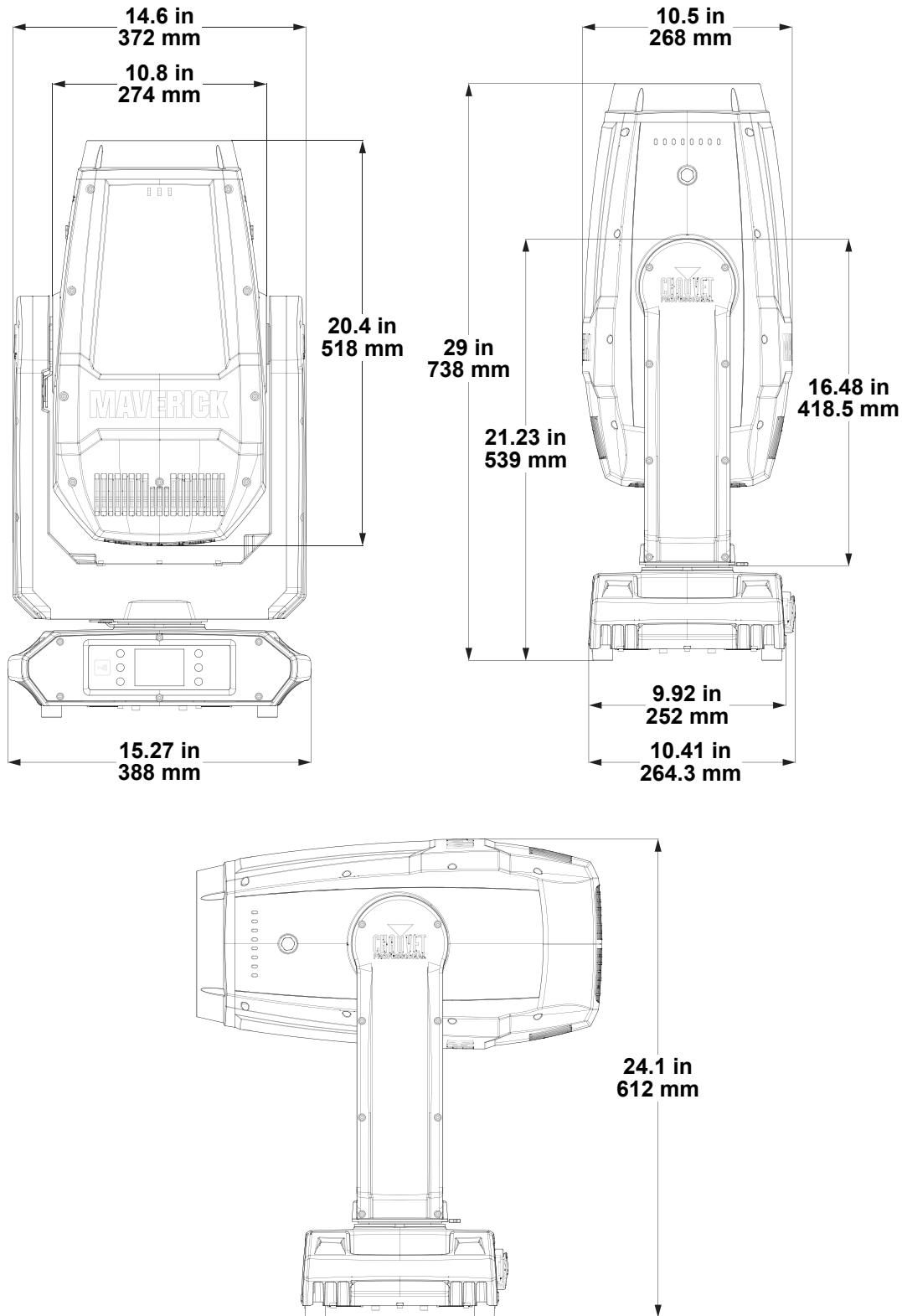
- Fully featured, IP65-rated, high-powered Spot/Beam/Wash combination fixture with a 520W LED source, CMY+CTO color mixing, an animation wheel, 2 gobo wheels, 2 layerable prisms, large zoom range, and lightweight aluminum/magnesium housing
- 16-bit dimming of master dimmer for smooth control of fades
- Variable CMY + CTO color mixing system to create a wide pallet of colors
- CRI and CTB filters on color wheel for added flexibility
- 7 rotating and 10 static gobos for massive visual effect
- An animation wheel for kinetic textured effects
- Tight 2.4° narrow beam angle for focused air effects
- (1) 7-position rotating and (1) 10 static position gobo wheels for massive visual effect
- DMX, CRMX, sACN, and Art-Net for full flexibility of control options
- RDM control over DMX for fixture reporting
- TRUE1-compatible power input
- Integrated sun shield for protecting the optical path from sunlight when the fixture is off
- Three setup menu presets and preset sync for cross loading to multiple like fixtures for easy shop setup
- USB-C 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
- Built-in Sky Tracker mode allows for up to 4 fixtures to work together to create sky tracker effects

Product Overview



Introduction

Product Dimensions



3. Setup

AC Power

The Maverick Storm 1 Flex 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 Storm 1 Flex 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 15 A, 250 V).
4. Screw the fuse holder cap back in place and reconnect power.

Setup

Signal Connections

The Maverick Storm 1 Flex can receive a DMX, Art-Net™, or sACN, signal. The Maverick Storm 1 Flex has two Amphenol XLRnet through ports, and 5-pin DMX in and out ports. If using other compatible products with this product, it is possible to control each individually with a single controller.

Control Personalities

The Maverick Storm 1 Flex uses a 5-pin DMX data connection, Lumenradio CRM™, Art-Net™, or sACN for its two control personalities: **DMX Mode 26 CH** and **DMX Mode 33 CH**.

- Refer to the [Operation](#) chapter to learn how to configure the Maverick Storm 1 Flex 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 Storm 1 Flex can link to a DMX controller using a 5-pin DMX connection or a wireless Lumenradio CRM™ connection. For more information about DMX, read the DMX primer at: https://www.chauvetprofessional.com/wp-content/uploads/2016/06/DMX_Primer.pdf.

Remote Device Management

Remote Device Management, or RDM, is a standard for allowing DMX-enabled devices to communicate bi-directionally along existing DMX cabling. Check the DMX controller's User Manual or with the manufacturer as not all DMX controllers have this capability. The Maverick Storm 1 Flex supports RDM protocol that allows feedback to make changes to menu map options.

Art-Net™ Connection

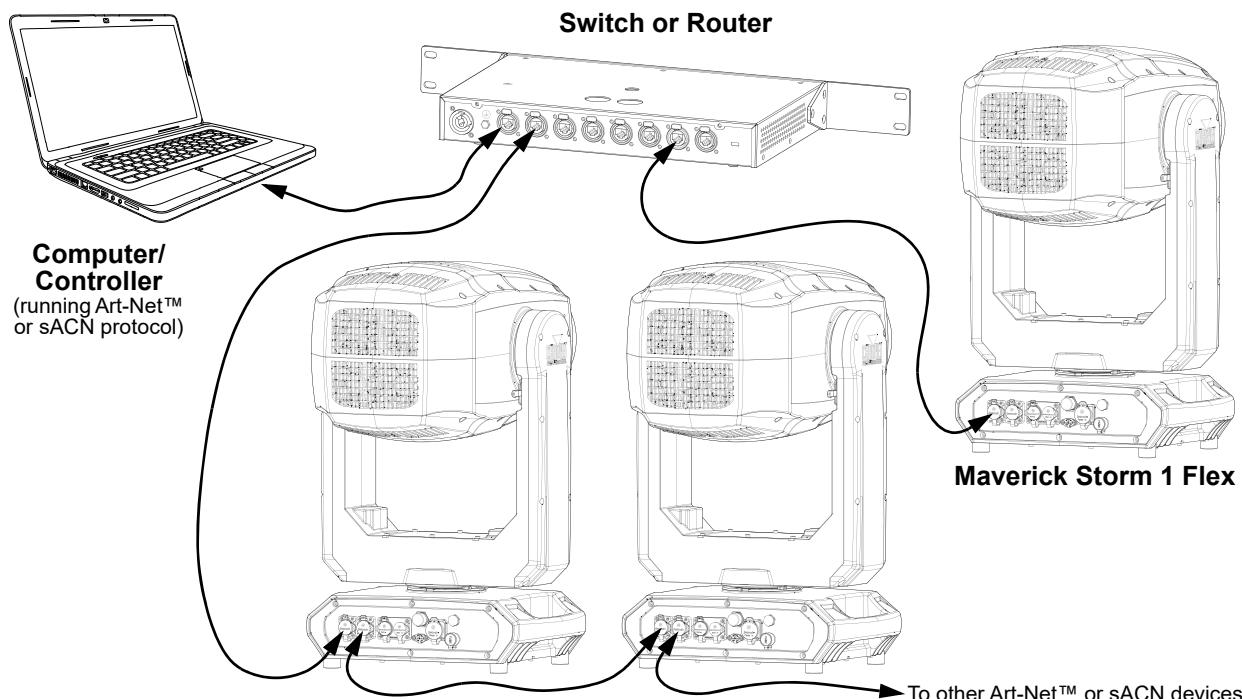
Art-Net™ is an Ethernet protocol that uses TCP/IP that transfers a large amount of DMX512 data using an Amphenol XLRnet RJ45 connection over a large network. An Art-Net™ protocol document is available from www.chauvetprofessional.com.

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

sACN Connection

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

Connection Diagram



USB Software Update

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

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



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

5. The next screen will show the software versions available for this fixture on the USB drive. For multiple versions of the software for the same fixture, use **<UP>** or **<DOWN>** to select the desired version.
6. Press **<ENTER>**.
7. The selected software version will show on the display and ask for confirmation. Select **YES**.
8. The update will start. **DO NOT** turn off the power or disconnect the USB while the USB LED is still blinking during the process. The screen display will read: "**USB Update Wait**". The update can take several minutes to complete.
 - When the USB firmware is done uploading, in some fixtures, the display will change to: "**DO NOT UNPLUG, UPDATING**".
9. When the update is completed, the fixture will automatically reboot.
10. Go to Fixture Information on the product's menu map and confirm the firmware revision.
11. When the boot-up process is finished, restart the product.



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



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

Setup

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the [Safety Notes](#). For the 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

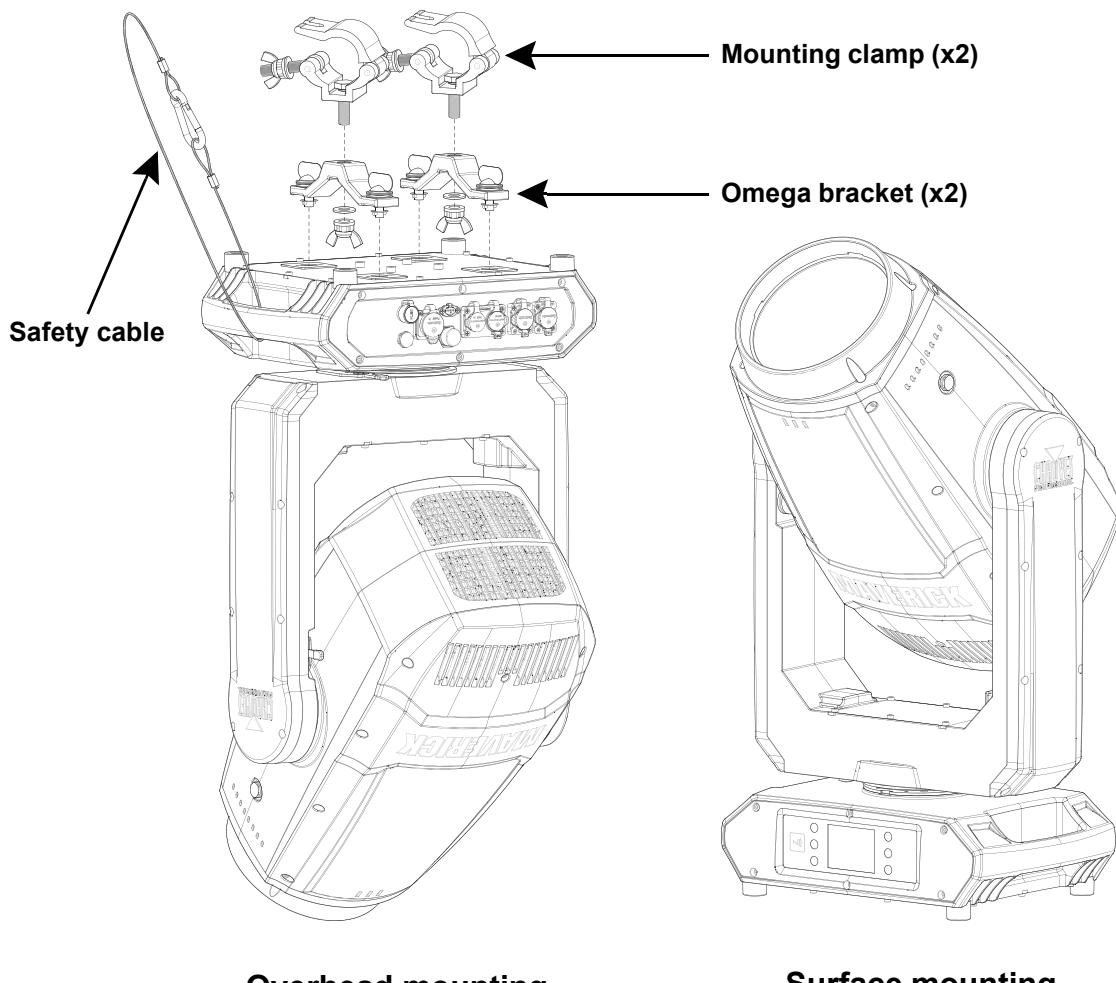
Chauvet recommends using the following general guidelines when mounting this product.

- 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 Storm 1 Flex 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



Sky Tracker Mode

Allows up to four Maverick Storm 1 Flex fixtures to work together to create standalone air effects:

1. Connect all fixtures together with DMX cables
2. Make sure all fixtures are in DMX control protocol.
3. Go to **Personality Menu**, select **Sky Tracker** on all fixtures that will be used in this mode.
4. Go to **Settings** menu, arrow down to select **Sky Tracker Mode**, and press **<ENTER>**.
5. Arrow down to the **Fixture ID** setting. On each fixture, choose the **Fixture ID** (1 - 4).

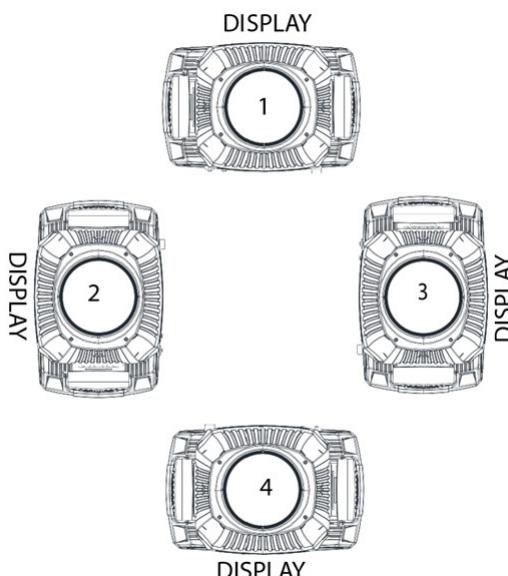


Note that the fixture 1 is the master fixture and 2-4 will follow the direction of fixture 1



6. Once each fixture is set up, go back to fixture 1 to set up the show. Please refer to **Menu Map** to set each parameter as needed. Fixture 1 will hold these settings even if the power is turned off or the fixture modes are changed.
 - **Fixture movement size and speed are at 0 default. These setting values MUST be increased to see movement in the fixtures.**
 - **Fixture dimmer is at 0 default. This setting value must be increased to see output in the fixtures.**

Sky Tracker Orientation



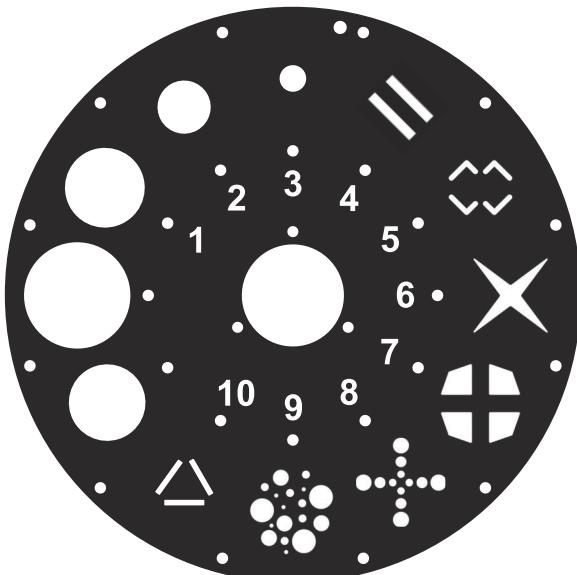
Display always faces out

Setup

Gobo Wheels

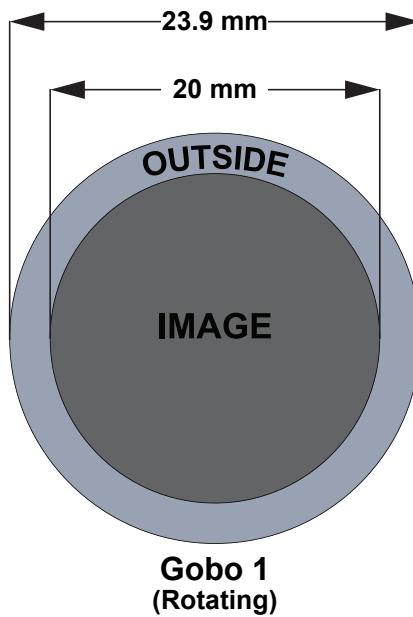


Gobo 1
(Rotating)



Gobo 2
(Static)

Gobo Dimensions



Gobo 1
(Rotating)

Gobo Replacement

The gobos in the Maverick Storm 1 Flex are removable from their gobo holders.



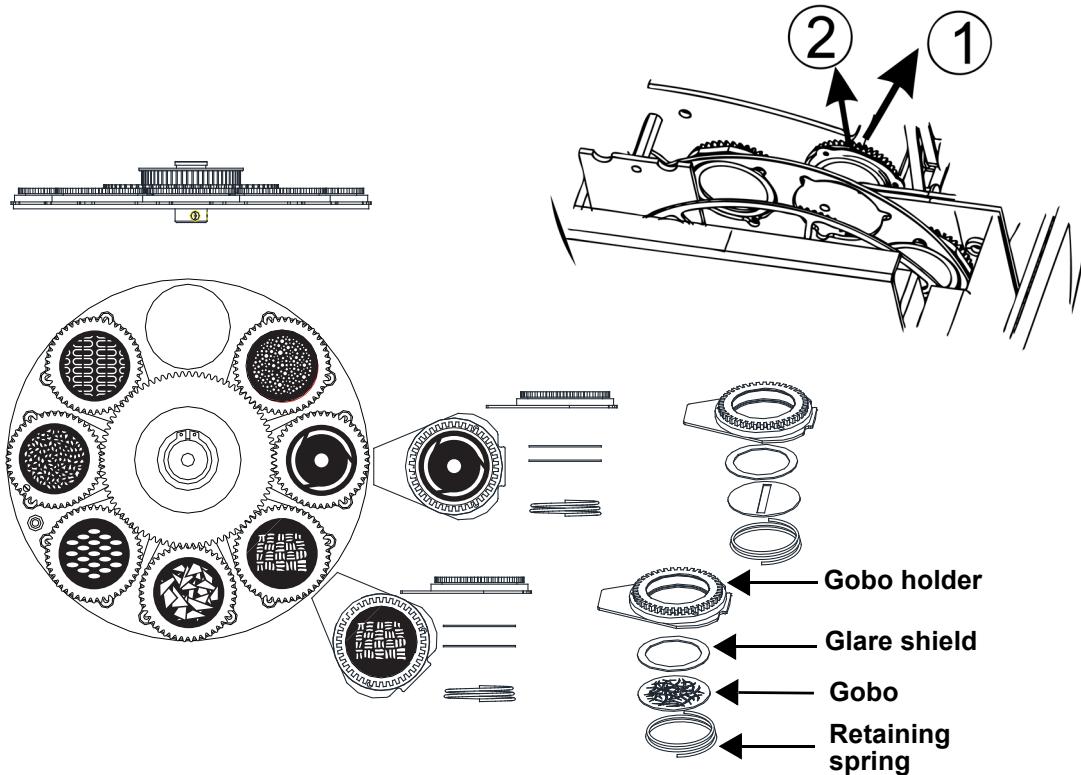
- Make sure to disconnect the product's power cable before replacing a gobo.
- Always replace a gobo with a gobo of the same dimensions.
- When inserting a glass gobo, always make sure that the shiny side of the gobo (glass base) faces the lamp. This provides a layer of protection against the high temperature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

Procedure

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

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

Gobo Replacement Diagrams



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

Operation

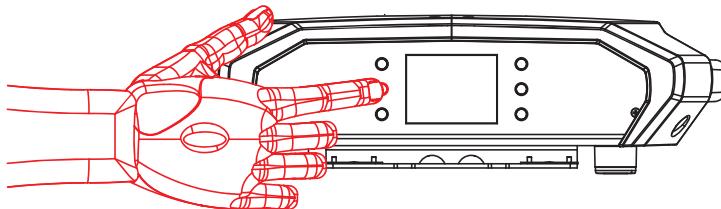
4. Operation

Control Panel Description

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

Battery-Powered Display

The Maverick Storm 1 Flex has a battery-powered display that enables access to the menu when the product is powered off. Press and hold <MENU> until the display activates (approximately 15 seconds).



Home Screen

The Maverick Storm 1 Flex has a home screen that shows the current control protocols, personalities, starting addresses, IP addresses, and universes. To see the home screen, press <MENU> repeatedly until it shows on the display. From the home screen, press <ENTER> or one of the direction buttons 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).



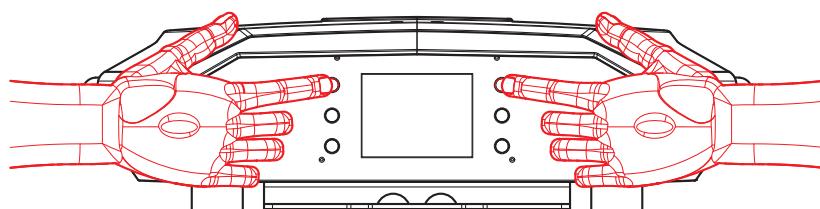
When the control panel lock is activated, the product will prompt for the passcode in order to access the menu. Enter the passcode as described below.

Passcode

After being prompted to enter the passcode, enter the numbers **0920** (use <DOWN> to cycle digits and <UP> to increase the number value) and press <ENTER>.

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 Storm 1 Flex, 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 Storm 1 Flex product page on www.chauvetprofessional.com for the latest menu map and software.

| 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 26 CH | NO YES | Selects the 26-channel mode |
| | Dmx Mode 33 CH | | Selects the 33-channel mode |
| Settings | Control Mode | DMX | Selects the DMX control protocol |
| | | WDMX | Selects Lumenradio CRM™ |
| | | 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 |
| | | 90 | 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 | |
| | 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 Lumenradio CRM™ |
| | | YES | Reset Lumenradio CRM™ |
| | 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 |

Operation

| Main Level | Programming Levels | | Description |
|---------------------|---------------------|------------------|--|
| Settings (cont.) | Loss of Data | Hold | Holds last signal received |
| | | Close | Blacks out fixture |
| | Fans | Auto | Fan speed according to product temperature |
| | | Full | Fan speed set on high |
| | | ECO | Quiet mode |
| | | TV25 | Maintains LED output up to an ambient temperature of 77 °F (25 °C) (TV25) or 95 °F (35 °C) (TV35). |
| | | TV35 | When using these fan modes, please set the PWM Option to 6000Hz or 15000Hz to prevent any possible harmonization noise. |
| | Dimmer Curve | Linear | |
| | | Square | |
| | | I Squa | Set the dimmer curve |
| | | SCurve | |
| | | LampCur | |
| | PWM Option | 600Hz | |
| | | 1200Hz | |
| | | 2000Hz | Sets the Pulse Width Modulation frequency |
| | | 4000Hz | |
| | | 6000Hz | |
| | | 15000Hz | |
| | LED POWER | 64–255 | Sets the maximum LED output |
| | Min Zoom Focus | NO | |
| | | YES | Enables/disables minimum zoom focus |
| | Preset Select | PRESET A | |
| | | PRESET B | Recorded preset menu options |
| | | PRESET C | |
| | Preset Sync | NO | |
| | | YES | Allows recorded preset menu options to be transferred to other Maverick Storm 1 Flex fixtures in the DMX daisy chain |
| | USB Update | Update Me | ... |
| | | Update Other | ... |
| | Reset Function | Pan/Tilt | NO YES |
| | | Shutter/Prism | |
| | | Color/CMY | |
| | | Gobo/Gobo Rotate | |
| | | Frost/Animation | |
| | | All | |
| | Factory Settings | NO | Reset individual functions or all functions from start-up |
| | | YES | Reset to factory default settings |

| Main Level | Programming Levels | | Description |
|-------------|---------------------|------------------|-----------------------------------|
| | Auto Test | | Auto test all functions |
| Test | Manual Test | Pan | 0-255 |
| | | Pan Fine | |
| | | Tilt | |
| | | Tilt Fine | |
| | | P/T Speed | |
| | | Dimmer | |
| | | Dimmer Fine | |
| | | Shutter | |
| | | Virtual Shaking | |
| | | Cyan | |
| | | Magenta | |
| | | Yellow | |
| | | CTO | |
| | | Color | |
| | | Gobo | |
| | | Gobo Rotate | |
| | | Gobo Index | |
| | | Gobo2 | |
| | | Animation | |
| | | Animation Rotate | |
| | | Focus | |
| | | Focus Fine | |
| | | Focus Auto | |
| Information | Fixture Information | Zoom | |
| | | Zoom Fine | |
| | | Prism1 | |
| | | Prism1 Rotate | |
| | | Prism2 | |
| | | Prism2 Rotate | |
| | | Frost | |
| | | CMY Macro | |
| | | CMY Macro Speed | |
| | | Control | |
| | Ver V1.250331 | | 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 |
| | MAC ----- | | Shows MAC address |
| | UID ----- | | Shows product UID |

Operation

| Main Level | Programming Levels | | Description |
|------------------------|------------------------|------------------------------------|---|
| Information (cont.) | Fan Information | MH410 ZFAN1-7 Sp <u>---</u> | Shows speed of each fan in rpm |
| | | MH411 MFAN1-2 Sp <u>---</u> | |
| | | MH250 AFAN1 Sp <u>---</u> | |
| | | MH421 DFAN1-2 Sp <u>---</u> | |
| | Error Information | <u>-----</u> | Shows any errors, or No Error! |
| | | Frequency | Shows all current values from input signals |
| | | Pan | |
| | | Pan Fine | |
| | | Tilt | |
| | | Tilt Fine | |
| | Channel Information | P/T Speed | |
| | | Dimmer | |
| | | Dimmer Fine | |
| | | Shutter | |
| | | Virtual Shaking | |
| | | Cyan | |
| | | Magenta | |
| | | Yellow | |
| | | CTO | |
| | | Color | |
| | | Gobo | |
| | | Gobo Rotate | |
| | | Gobo Index | |
| | | Gobo2 | |
| | | Animation | |
| | | Animation Rotate | |
| | | Focus | |
| | | Focus Fine | |
| | | Focus Auto | |
| | | Zoom | |
| | | Zoom Fine | |
| | | Prism1 | |
| | | Prism1 Rotate | |
| | | Prism2 | |
| | | Prism2 Rotate | |
| | | Frost | |
| | | CMY Macro | |
| | | CMY Macro Speed | |
| | | Control | |

DMX Configuration

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

Control Mode

The Maverick Storm 1 Flex works with wired DMX, Lumenradio CRMX™, 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** (for Lumenradio CRMX™), **ArtNet**, or **sACN**.

Control Personalities

To set the control personality:

1. Go to the **Personality** main level.
2. Select the desired personality, from **DMX Mode 26 CH** or **DMX Mode 33 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 configurable starting address for **DMX Mode 26 CH** is **487**.
 - The highest configurable starting address for **DMX Mode 33 CH** is **480**.

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 Storm 1 Flex:

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

| 26 CH | 33 CH | Function | Value | Percent/Setting |
|-------|-------|----------------|-----------|---|
| 1 | 1 | Pan | 000 ⇄ 255 | 0–100% |
| 2 | 2 | Fine pan | 000 ⇄ 255 | 0–100% |
| 3 | 3 | Tilt | 000 ⇄ 255 | 0–100% |
| 4 | 4 | Fine tilt | 000 ⇄ 255 | 0–100% |
| 5 | 5 | Pan/tilt speed | 000 ⇄ 255 | 0–100% |
| 6 | 6 | Dimmer | 000 ⇄ 255 | 0–100% |
| – | 7 | Fine dimmer | 000 ⇄ 255 | 0–100% |
| 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, slow to fast |
| | | | 129 ⇄ 255 | Fade, slow to fast |
| 9 | 10 | Cyan | 000 ⇄ 255 | 0–100% |
| 10 | 11 | Magenta | 000 ⇄ 255 | 0–100% |
| 11 | 12 | Yellow | 000 ⇄ 255 | 0–100% |
| 12 | 13 | CTO | 000 ⇄ 255 | 0–100% |
| 13 | 14 | Color wheel | 000 ⇄ 006 | White |
| | | | 007 ⇄ 013 | Dark red |
| | | | 014 ⇄ 020 | Orange |
| | | | 021 ⇄ 027 | Green |
| | | | 028 ⇄ 034 | Rose red |
| | | | 035 ⇄ 041 | UV |
| | | | 042 ⇄ 048 | CRI |
| | | | 049 ⇄ 055 | CTB |
| | | | 056 ⇄ 060 | White |
| | | | 061 ⇄ 187 | Split color |
| | | | 188 ⇄ 219 | Color scroll, fast to slow |
| | | | 220 ⇄ 223 | Stop |
| | | | 224 ⇄ 255 | Reverse color scroll, clockwise, slow to fast |

| 26 CH | 33 CH | Function | Value | Percent/Setting |
|-------|-------|---|-----------|-------------------------------------|
| | | | 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 |
| 14 | 15 | Rotating gobo wheel (See Sky Tracker Mode) | 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, slow to fast |
| | | | 192 ⇄ 255 | Reverse gobo scroll, slow to fast |
| 15 | 16 | Gobo rotation | 000 ⇄ 063 | Gobo index |
| | | | 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 | Fine gobo rotation | 000 ⇄ 255 | 0–100% |
| | | | 000 ⇄ 004 | Open |
| | | | 005 ⇄ 009 | Gobo 1 |
| | | | 010 ⇄ 014 | Gobo 2 |
| | | | 015 ⇄ 019 | Gobo 3 |
| | | | 020 ⇄ 024 | Gobo 4 |
| | | | 025 ⇄ 029 | Gobo 5 |
| | | | 030 ⇄ 034 | Gobo 6 |
| | | | 035 ⇄ 039 | Gobo 7 |
| | | | 040 ⇄ 044 | Gobo 8 |
| | | | 045 ⇄ 049 | Gobo 9 |
| | | | 050 ⇄ 063 | Gobo 10 |
| 16 | 18 | Static gobo wheel (See Sky Tracker Mode) | 064 ⇄ 068 | Gobo 10 shaking, slow to fast |
| | | | 069 ⇄ 073 | Gobo 9 shaking, slow to fast |
| | | | 074 ⇄ 078 | Gobo 8 shaking, slow to fast |
| | | | 079 ⇄ 083 | Gobo 7 shaking, slow to fast |
| | | | 084 ⇄ 088 | Gobo 6 shaking, slow to fast |
| | | | 089 ⇄ 093 | Gobo 5 shaking, slow to fast |
| | | | 094 ⇄ 098 | Gobo 4 shaking, slow to fast |
| | | | 099 ⇄ 103 | Gobo 3 shaking, slow to fast |
| | | | 104 ⇄ 108 | Gobo 2 shaking, slow to fast |
| | | | 109 ⇄ 113 | Gobo 1 shaking, slow to fast |
| | | | 114 ⇄ 127 | Open |
| | | | 128 ⇄ 191 | Gobo scroll, slow to fast |
| | | | 192 ⇄ 255 | Reverse gobo scroll, slow to fast |
| 17 | 19 | Animation | 000 ⇄ 255 | Animation effect |

Operation

| 26 CH | 33 CH | 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 | Focus | 000 ⇄ 255 | 0–100% |
| – | 22 | Fine focus | 000 ⇄ 255 | 0–100% |
| – | 23 | 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 meters 6 meters 7 meters 8 meters 9 meters 10 meters 12.5 meters 15 meters 17.5 meters 20–60 meters auto detect distance |
| 20 | 24 | Zoom | 000 ⇄ 255 | 0–100% |
| – | 25 | Fine zoom | 000 ⇄ 255 | 0–100% |
| 21 | 26 | Prism 1 | 000 ⇄ 004 005 ⇄ 255 | No function Prism effect |
| 22 | 27 | Prism 1 rotation | 000 ⇄ 127 128 ⇄ 189 190 ⇄ 193 194 ⇄ 255 | Prism index Prism rotation, fast to slow Stop Reverse prism rotation, slow to fast |
| 23 | 28 | Prism 2 | 000 ⇄ 004 005 ⇄ 255 | No function Prism effect |
| 24 | 29 | 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 |
| 25 | 30 | Frost | 000 ⇄ 255 | Frost effect |
| – | 31 | CMY macro | 000 ⇄ 009 010 ⇄ 255 | No function CMY macro |
| – | 32 | CMY macro speed | 000 ⇄ 255 | CMY macro speed, fast to slow |

| 26 CH | 33 CH | Function | Value | Percent/Setting |
|-------|-------|----------------------------|-----------|---------------------------------|
| | | | 000 ⇄ 007 | No function |
| | | | 008 ⇄ 015 | Blackout on pan/tilt |
| | | | 016 ⇄ 023 | Blackout on color |
| | | | 024 ⇄ 031 | Blackout on gobo |
| | | | 032 ⇄ 039 | Blackout on pan/tilt/color |
| | | | 040 ⇄ 047 | Blackout on pan/tilt/gobo |
| | | | 048 ⇄ 055 | Blackout on pan/tilt/color/gobo |
| | | | 056 ⇄ 056 | No function |
| | | | 057 ⇄ 057 | 600 Hz PWM frequency |
| | | | 058 ⇄ 058 | 1200 Hz PWM frequency |
| | | | 059 ⇄ 059 | 2000 Hz PWM frequency |
| | | | 060 ⇄ 060 | 4000 Hz PWM frequency |
| | | | 061 ⇄ 061 | 6000 Hz PWM frequency |
| | | | 062 ⇄ 062 | 15000 Hz PWM frequency |
| | | | 063 ⇄ 063 | No function |
| | | | 064 ⇄ 064 | Linear dimmer curve |
| | | | 065 ⇄ 065 | Square dimmer curve |
| | | | 066 ⇄ 066 | I-Square dimmer curve |
| | | | 067 ⇄ 067 | S-Curve dimmer curve |
| | | | 068 ⇄ 068 | Lamp curve dimmer curve |
| | | | 069 ⇄ 075 | No function |
| | | | 076 ⇄ 079 | Sun shield on |
| | | | 080 ⇄ 084 | Sun shield off |
| 26 | 33 | Control (3 second hold) | 085 ⇄ 095 | No function |
| | | | 096 ⇄ 103 | Reset pan |
| | | | 104 ⇄ 111 | Reset tilt |
| | | | 112 ⇄ 119 | Reset color |
| | | | 120 ⇄ 127 | Reset gobo and gobo rotation |
| | | | 128 ⇄ 131 | Auto CTB for gobo on |
| | | | 132 ⇄ 135 | Auto CTB for gobo off |
| | | | 136 ⇄ 143 | Reset prism |
| | | | 144 ⇄ 151 | No function |
| | | | 152 ⇄ 159 | Reset all |
| | | | 160 ⇄ 167 | No function |
| | | | 168 ⇄ 175 | Reset frost |
| | | | 176 ⇄ 183 | Reset zoom |
| | | | 184 ⇄ 191 | Reset CMY+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 | Pan/tilt swap on |
| | | | 236 ⇄ 240 | Pan/tilt swap off |
| | | | 241 ⇄ 245 | Minimum Zoom Focus off |
| | | | 246 ⇄ 250 | Minimum Zoom Focus on |
| | | | 251 ⇄ 255 | No function |

Operation

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. Color Move** (black out on color wheel movement), or **BL. O. Gobo Move** (black out on gobo wheel movement) options.
3. Select from **NO** or **YES**.

Swap Pan and Tilt

To swap the controls for the pan and tilt:

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

CRMX™ Reset

To reset the wireless Lumenradio CRMX™ connection:

1. Go to the **Settings** main level.
2. Select the **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 Option 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 **LampCur**.

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.**

Operation

Preset Synchronization

To transfer saved Presets from one Maverick Storm 1 Flex to another:

1. Connect the Maverick Storm 1 Flex products to receive the Presets by a DMX daisy chain.
2. Make the Maverick Storm 1 Flex 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 Storm 1 Flex 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 Storm 1 Flex 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**, **Shutter/Prism**, **Color/CMY**, **Gobo/Gobo Rotate**, **Frost/Animation**, or **All**.
4. Select **NO** (to cancel) or **YES** (to reset the selected functions).

Factory Reset

To reset the product to factory 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 Storm 1 Flex 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 Storm 1 Flex:

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**, **Focus**, **Focus Fine**, **Focus Auto**, **Zoom**, **Zoom Fine**, **Prism1**, **Prism1 Rotate**, **Prism2**, **Prism2 Rotate**, **Frost**, **CMY Macro**, **CMY Macro Speed**, or **Control**.
4. Increase or decrease the value of the selected function from **0–255** to test it.

System Information

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

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

Zero Adjust Mode

The Offset mode provides fine adjustments for the home position of every moving part in the optical path as well as the pan and tilt movements. To adjust these options and prevent borders showing or reduction of the light output:

1. From the main level screen, press and hold **<MENU>** until the passcode screen appears.
2. Enter the passcode: **0920** (use **<DOWN>** to cycle digits and **<UP>** to increase the number value) and press **<ENTER>**.
3. Select the “zero” position to adjust, from **PAN, TILT, COLOR, GOBO, GOBO ROTATE, GOBO2, ANIMATION, FOCUS-GOBO, FOCUS-GOBO2, ZOOM, PRISM1, PRISM2, PRISM2 ROT, FROST, Light Block, CYAN, MAGENTA, YELLOW, CTO, DIMMER1, DIMMER2, DIMMER3, DIMMER4, MAC4, MAC5, MAC6, RDM ID4, RDM ID5, or RDM ID6**.
4. Adjust the “zero” position for the selected function from **000–255**.

Web Server

The Maverick Storm 1 Flex 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 Storm 1 Flex.

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.

Operation

Error Codes

See the table below for error codes and recommended solutions:

| Error Code | Possible Reason | Potential Solution |
|-------------|--|---|
| AFAN1 | A Fan 1 is damaged | Replace A fan 1 |
| | Fan wires have poor connection | Check fan wire connection |
| Base Fan1 | Base Fan 1 is damaged | Replace base fan 1 |
| | Fan wires have poor connection | Check fan wire connection |
| Base Fan2 | Base Fan 2 is damaged | Replace base fan 2 |
| | Fan wires have poor connection | Check fan wire connection |
| Color | Sensor board is damaged | Replace the color sensor board |
| | The magnetic rod of the color sensor board is dropped or installed upside down | Check the magnetic rod |
| CPU-A | The display PCB is damaged | Replace the display board |
| | CPU-A software upload failed | Re-upload the CPU-A software |
| CPU-B | The pan/tilt driver PCB is damaged | Replace the pan/tilt driver board |
| | CPU-B software upload failed | Re-upload the CPU-B software |
| CPU-C | The gobo/color motor driver PCB is damaged | Replace the gobo/color motor driver PCB |
| | CPU-C software upload failed | Re-upload the CPU-C software |
| CPU-D | The zoom/focus motor driver PCB is damaged | Replace the zoom/focus motor driver PCB |
| | CPU-D software upload failed | Re-upload the CPU-D software |
| CTO | CTO error | Check module connection |
| | | Ensure nothing is blocking movement |
| | | Do a factory reset |
| | | Update software |
| CYAN | Sensor board is damaged | Replace the cyan sensor board |
| | The magnetic rod of the cyan sensor board is dropped or installed upside down | Check the magnetic rod |
| Focus | Sensor board is damaged | Replace the focus sensor board |
| | The magnetic rod of the focus sensor board is dropped or installed upside down | Check the magnetic rod |
| Gobo | Sensor board is damaged | Replace the gobo sensor board |
| | The magnetic rod of the gobo sensor board is dropped or installed upside down | Check the magnetic rod |
| Gobo.R | Sensor board is damaged | Replace the gobo rotation sensor board |
| | The magnetic rod of the gobo rotation sensor board is dropped or installed upside down | Check the magnetic rod |
| Gobo2 | Sensor board is damaged | Replace the gobo2 sensor board |
| | The magnetic rod of the gobo2 sensor board is dropped or installed upside down | Check the magnetic rod |
| Light Block | Sunshield error | Check module connection |
| | | Ensure nothing is blocking movement |
| | | Check sensors for +/- 5V when opened and closed |
| | | Do a factory reset |
| | | Update software |

| Error Code | Possible Reason | Potential Solution |
|-----------------|---|---|
| LED_Hot | LED overheated | Do a factory reset Update software Check connections Check fan functions |
| MAGENTA | Sensor board is damaged The magnetic rod of the magenta sensor board is dropped or installed upside down | Replace the magenta sensor board Check the magnetic rod |
| MFan1 | Lamp M Fan 1 is damaged Fan wires have poor connection | Replace lamp M fan 1 Check fan wire connection |
| MFan2 | Lamp M Fan 2 is damaged Fan wires have poor connection | Replace lamp M fan 2 Check fan wire connection |
| Prism1 | Prism1 sensor board is damaged The magnetic rod of the prism 1 sensor board is dropped or installed upside down | Replace the prism 1 sensor board Check the magnetic rod |
| Prism2 | Prism 2 sensor board is damaged The magnetic rod of the prism 2 sensor board is dropped or installed upside down | Replace the prism 2 sensor board Check the magnetic rod |
| Prism2.R | Prism 2 rotation sensor board is damaged The magnetic rod of the prism 1 rotation sensor board is dropped or installed upside down | Replace the prism 2 rotation sensor board Check the magnetic rod |
| R-OPEN | Thermistor open | Do a factory reset Update software Check connections Replace thermistor |
| R-SHORT | Thermistor short | Do a factory reset Update software Check connections Replace thermistor |
| X_cm | Pan magnetic locating board is damaged Pan/tilt driver board is damaged | Replace the pan magnetic locating board Replace the pan/tilt driver board |
| X_op | Pan optocoupler board is damaged Pan/tilt driver board is damaged | Replace the pan optocoupler board Replace the pan/tilt driver board |
| Y_cm | Tilt magnetic locating board is damaged Pan/tilt driver board is damaged | Replace the tilt magnetic locating board Replace the pan/tilt driver board |
| Y_op | Tilt optocoupler board is damaged Pan/tilt driver board is damaged | Replace the tilt optocoupler board Replace the pan/tilt driver board |
| YELLOW | Sensor board is damaged The magnetic rod of the yellow sensor board is dropped or installed upside down | Replace the yellow sensor board Check the magnetic rod |
| Zoom | Sensor board is damaged The magnetic rod of the zoom sensor board is dropped or installed upside down | Replace the zoom sensor board Check the magnetic rod |
| ZFAN1 | ZFan 1 is damaged Fan wires have poor connection | Replace Z fan 1 Check fan wire connection |
| ZFAN2 | ZFan 2 is damaged Fan wires have poor connection | Replace Z fan 2 Check fan wire connection |

Operation

| Error Code | Possible Reason | Potential Solution |
|------------|--------------------------------|---------------------------|
| ZFAN3 | ZFan 3 is damaged | Replace Z fan 3 |
| | Fan wires have poor connection | Check fan wire connection |
| ZFAN4 | ZFan 4 is damaged | Replace Z fan 4 |
| | Fan wires have poor connection | Check fan wire connection |
| ZFAN5 | ZFan 5 is damaged | Replace Z fan 5 |
| | Fan wires have poor connection | Check fan wire connection |
| ZFAN6 | ZFan 6 is damaged | Replace Z fan 6 |
| | Fan wires have poor connection | Check fan wire connection |

5. Maintenance

Product Maintenance

Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and/or mechanical wear. To maintain optimum performance and minimize wear, clean 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.**
- **Dry off this product before storing it in the case. Failure to do so may result in deterioration of the product's housing.**



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

Torque Measurements

To maintain the IP rating when reassembling the product, use the given torque measurements for each of the following screws and bolts:

| Fixture Parts | Torque Rating (Kgf.cm) | Torque Rating (lbf.in) |
|---|------------------------|------------------------|
| Screws inside feet | 10.1 | 8.7 |
| Base screws around outside (not the feet) | 16.3 | 14.1 |
| Base screws in middle | 35.6 | 30.8 |
| Omega bracket holder | 12.2 | 10.6 |
| Front and rear base cover | 20.3 | 17.6 |
| Screws around power and data ports | 3.5 | 3.0 |
| Fuse and GORE™ valves | 6.1 | 5.2 |
| Center of yoke plate | 15.2 | 13.1 |
| Arm and head cover screws | 25.4 | 22.0 |
| Front lens cover | 10.1 | 8.7 |

Vacuum Test Measurements

Use the IP Tester from Chauvet Professional to ensure the product has been reassembled correctly by following the information below:

| Parameters | Values |
|--------------------------|------------|
| Method | Positive |
| Test pressure | 2.18 PSI |
| Test duration | 60 seconds |
| PASS state leak pressure | <0.02 kPa |

Maintenance

Gobo Maintenance

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

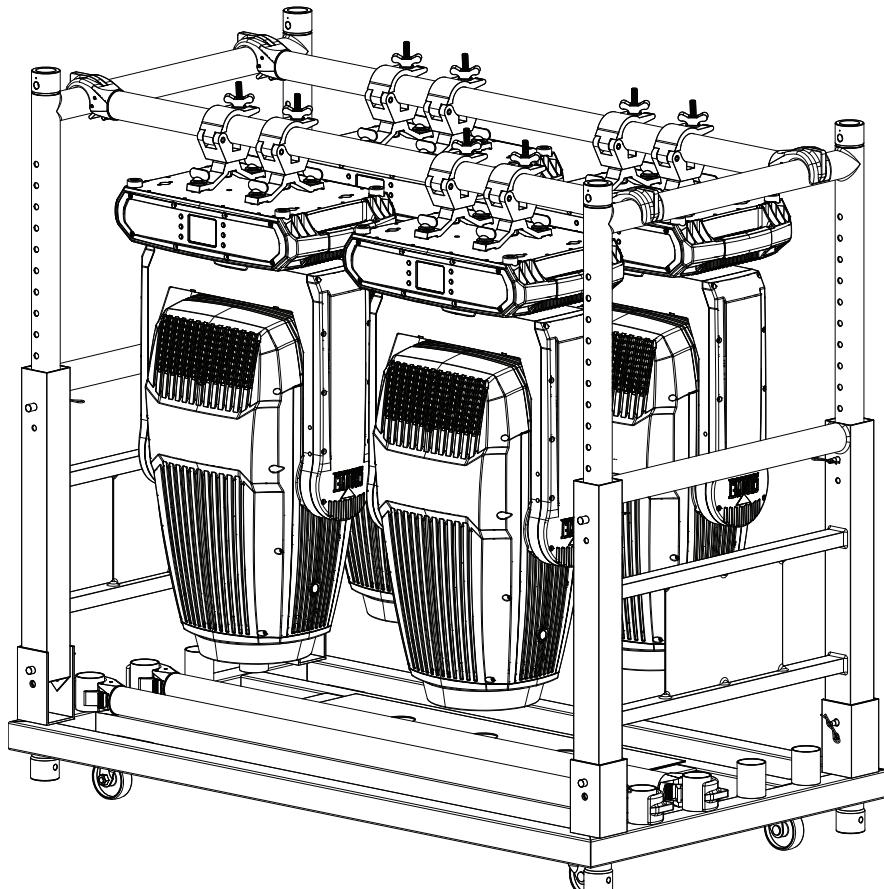
To inspect, remove each gobo holder and check if:

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

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

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

Transporting on Truss or Racks



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

6. Technical Specifications

Dimensions and Weight

| Length | Width | Height | Weight |
|-------------------|-------------------|----------------|-------------------|
| 15.27 in (388 mm) | 10.55 in (268 mm) | 29 in (738 mm) | 63.5 lb (28.8 kg) |

Note: Dimensions in inches are rounded.

Power

| Power Supply Type | | Range | | | Voltage Selection | |
|-----------------------|---------------|--------------------------|---------------|---------------|-------------------------|--|
| Switching (internal) | | 100 to 240 VAC, 50/60 Hz | | | Auto-ranging | |
| Parameter | 100 V, 60 Hz | 120 V, 60 Hz | 208 V, 60 Hz | 230 V, 50 Hz | 240 V, 50 Hz | |
| Consumption | 766 W | 754 W | 734 W | 738 W | 730 W | |
| Operating Current | 7.67 A | 6.25 A | 3.60 A | 3.30 A | 3.11 A | |
| Fuse/Breaker | F 15 A, 250 V | F 15 A, 250 V | F 15 A, 250 V | F 15 A, 250 V | F 15 A, 250 V | |
| Power I/O | | U.S./Worldwide | | | UK/Europe | |
| Power Input Connector | | Seetronic Powerkon IP65 | | | Seetronic Powerkon IP65 | |
| Power Cable plug | | Edison | | | Local plug | |

Light Source

| Type | Color Temperature | Lifespan* |
|-------|-------------------|---------------|
| 1 LED | 6595 K | 50,000* hours |

*Test lab conditions. May vary depending on several factors including but not limited to: environmental conditions, power/voltage, usage patterns, (on/off power cycling), control, and dimming.

Photometrics

| Color Temperature (at full) | | | Front Lens Diameter | | |
|-------------------------------|---------------|-------------------------------|---------------------|-------------------------------|--------|
| 6,746 K | | | 165 mm | | |
| Mode | Beam Angle | Field Angle | Cutoff Angle | Zoom Range | Lumens |
| Beam | 2.6° to 43° | 3° to 47.3° | 3.4° to 50.7° | 2.6° to 50.7° | 29,114 |
| Spot | 3.1° to 46.6° | 4.1° to 57.9° | 4.5° to 55.5° | 3.1° to 55.5° | 33,587 |
| Wash | 2.8° to 45.8° | 3.7° to 53.1° | 3.9° to 57° | 2.8° to 57° | 30,203 |
| Illuminance (Beam Mode) | | Illuminance (Spot Mode) | | Illuminance (Wash Mode) | |
| 17,538 lux @ 15 m (2.6° zoom) | | 154,697 lux @ 5 m (3.1° zoom) | | 146,171 lux @ 5 m (2.8° zoom) | |
| 295 lux @ 15 m (50.7° zoom) | | 2,675 lux @ 5 m (55.5° zoom) | | 2,478 lux @ 5 m (57° zoom) | |

Thermal

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

Control

| DMX I/O Connector | Ethernet I/O Connector | Channel Range |
|--------------------|-------------------------|---------------|
| 5-pin IP-rated XLR | Seetronic IP-rated RJ45 | 26 or 33 |

Ordering

| Product Name | Item Name | Item Code | UPC Number |
|-----------------------|--------------------|-----------|--------------|
| Maverick Storm 1 Flex | MAVERICKSTORM1FLEX | 08102629 | 781462229771 |

RoHS



UL 1573
CSA C22.2 No. 166
E113093



Contact Us

| General Information | Technical Support |
|---|--|
| Chauvet World Headquarters | |
| Address: 3360 Davie Rd., Suite 509 Davie, FL 33314 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084 | Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.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: Vaartlaan 9 9800 D deinze 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.