# MAVERICK STORM

## 2 PROFILE

## User Manual


Model ID: MAVERICKSTORM2PROFILE

CHAUVET PROFESSIONAL

# Edition Notes

The Maverick Storm 2 Profile User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the Maverick Storm 2 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 is revision 3 of the Maverick Storm 2 Profile User Manual. Go to www.chauvetprofessional.com for the latest version.

| Revision | Date | Description |
|---|---|---|
| 3 | 9/2023 | USB Software Update verbiage change. Method 1 applied/ added revision log |

# TABLE OF CONTENTS

# 1. Before You Begin

## What Is Included

- Maverick Storm 2 Profile
- Seetronic Powerkon IP65 power cable
- 2 Omega brackets with mounting hardware
- Quick Reference Guide

## Claims

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

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

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

## Text Conventions

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

## Symbols

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

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

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

## 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 37.79 ft (11.5 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 hanging/mounting bracket 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.**

## 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 20cm between the radiator and your body. 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

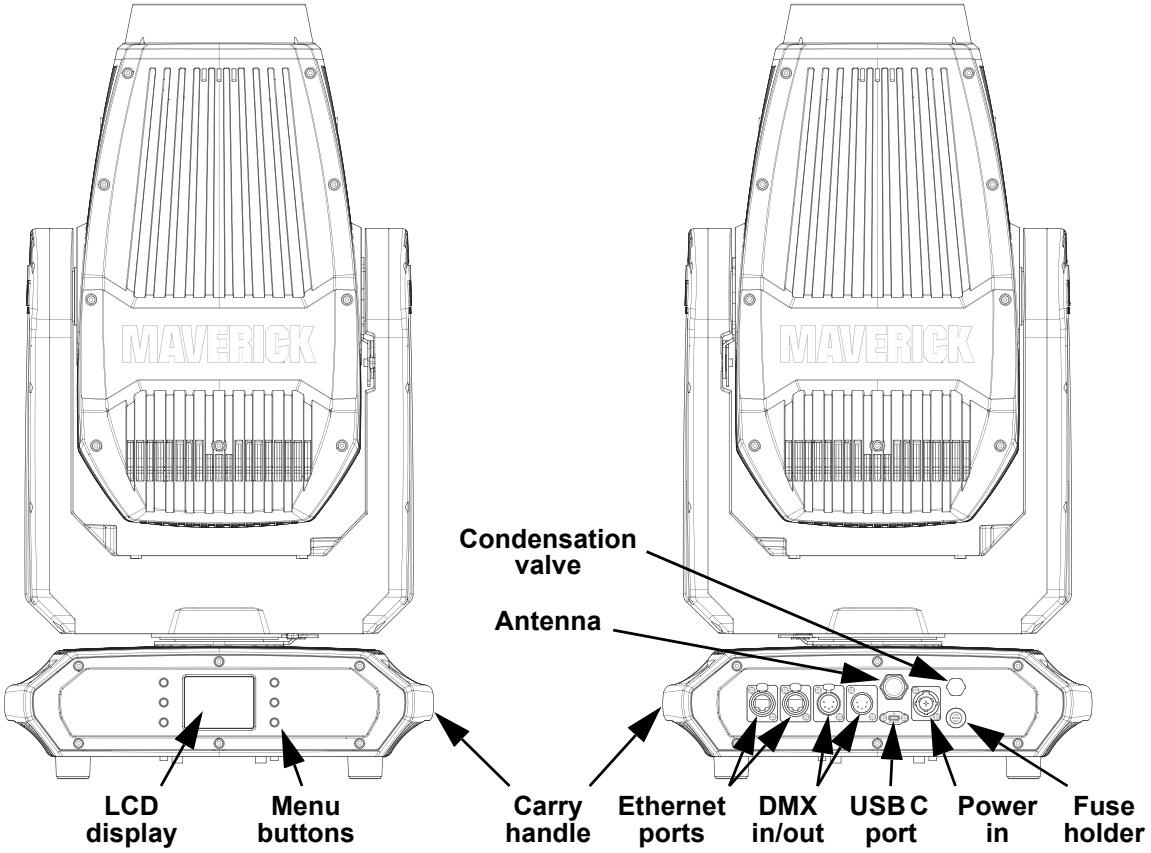
## Description

The Maverick Storm 2 Profile fits a full armory of features into the lightest midsized IP65 moving profile in its division. Drafted to fill designer demand for a double-duty compact powerhouse that combines the latest Maverick series technical achievements with the durability and versatility to perform indoors and out. Sculpt its 28,000 lumens of output with an exquisitely sharp framing shutter system, zoom down to a slicing 5.5 degree beam, and freely create with a wheelhouse that includes variable CMY + CTO color mixing, color wheel with CRI and CTB filters, static and rotating gobo wheels, five-facet prism, iris, and frost. This Maverick weathers the storm and welcomes the sunshine with SunShield technology that comes on with complete protection of all internal optical components whenever the fixture powers down.

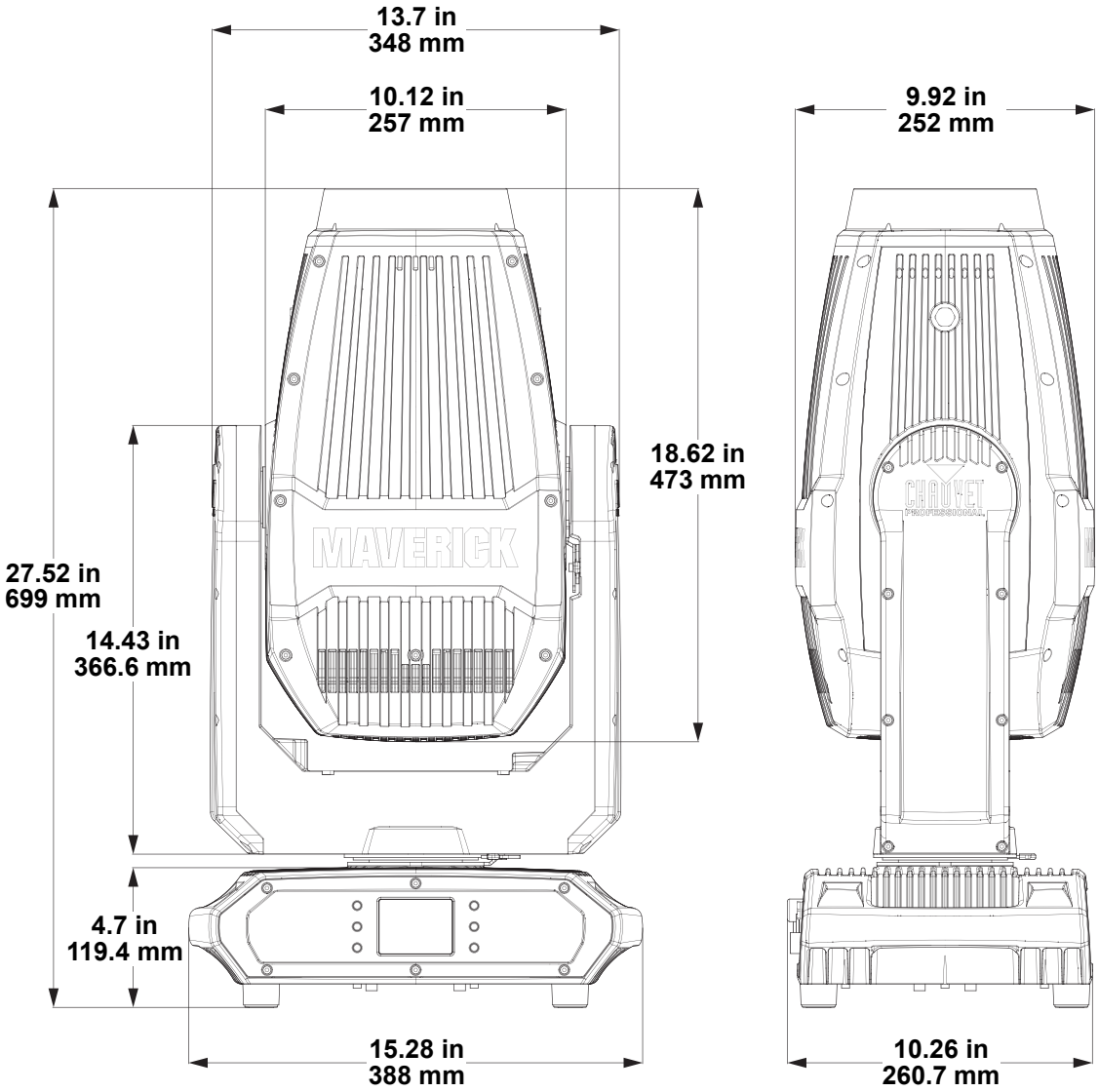
## Features

- Fully featured, compact and lightweight IP65 580 W LED yoke profile fixture including CMY + CTO color mixing, a 4-blade framing shutter system with rotation, a color wheel, 10:1 zoom, a 5-facet prism wheel, 1 rotating and 1 static gobo wheel, integrated sun shield
- 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
- One rotating, indexing and interchangeable slot and lock gobo wheel
- One rotating static gobo wheel
- DMX, WDMX, sACN, and Art-Net for full flexibility of control options
- RDM control over DMX for fixture reporting
- 6.3° to 58.6° zoom range for variable beam sizes
- Iris, 5-facet prism and frost for beam control
- True 1 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 slot for software uploads
- Battery backup display with auto-rotate depending on fixture orientation

## Product Overview



## Product Dimensions



# 3. Setup

## AC Power

The Maverick Storm 2 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 Storm 2 Profile comes with a power input cable terminated with a Seetronic Powerkon A connector on one end and bare wire on the other end (U.S. market). 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

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

## USB Software Update

The Maverick Storm 2 Profile allows for software updates with a USB device using the built-in USB port. To update the software using a USB flash drive, do the following:

1. Power on the product, and plug the flash drive into the USB port.
2. Once the flash drive has been detected, the message "**USB UPDATE**" will be displayed. Select **YES**.
3. The next screen will show the software versions available for this fixture on the USB drive. For multiple versions of the software for the same fixture, use <**UP**> or <**DOWN**> to select the desired version. Press <**ENTER**>.
4. The "**USB UPDATE**" screen will re-appear. Select **YES**.

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

5. The upgrade will start. **DO NOT** turn off the power or disconnect the USB while the USB LED is still blinking during the process. The screen display will read: "**USB Update Wait**". The update can take several minutes to complete.
   - When the USB firmware is done uploading, in some fixtures, the display will change to: "**DO NOT UNPLUG, UPDATING**".
6. When the update is completed, the fixture will automatically reboot.
7. Go to Fixture Information on the product's menu map and confirm the firmware revision.
8. When the boot-up process is finished, restart the product.

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

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

# Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes. For 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

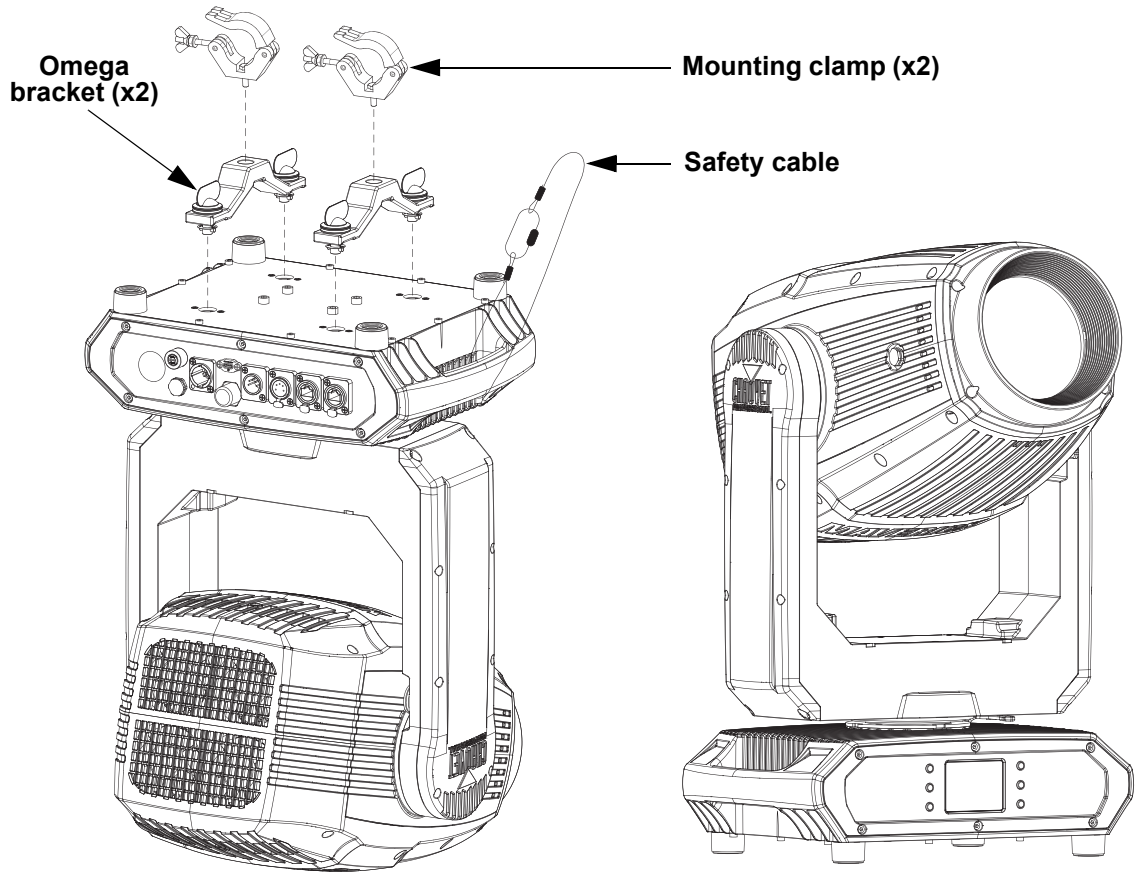
Chauvet recommends using the following general guidelines when mounting this product.

- 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 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 2 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**




**Overhead mounting** **Surface mounting**

# Signal Connections

The Maverick Storm 2 Profile can receive a DMX, Art-Net™, or sACN, signal. The Maverick Storm 2 Profile 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 2 Profile uses a 5-pin DMX data connection, WDMX, Art-Net™, or sACN for its two control personalities: **Dmx Mode 32 CH** and **Dmx Mode 48 CH**.

- Refer to the Operation chapter to learn how to configure the Maverick Storm 2 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 Storm 2 Profile can link to a DMX controller using a 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

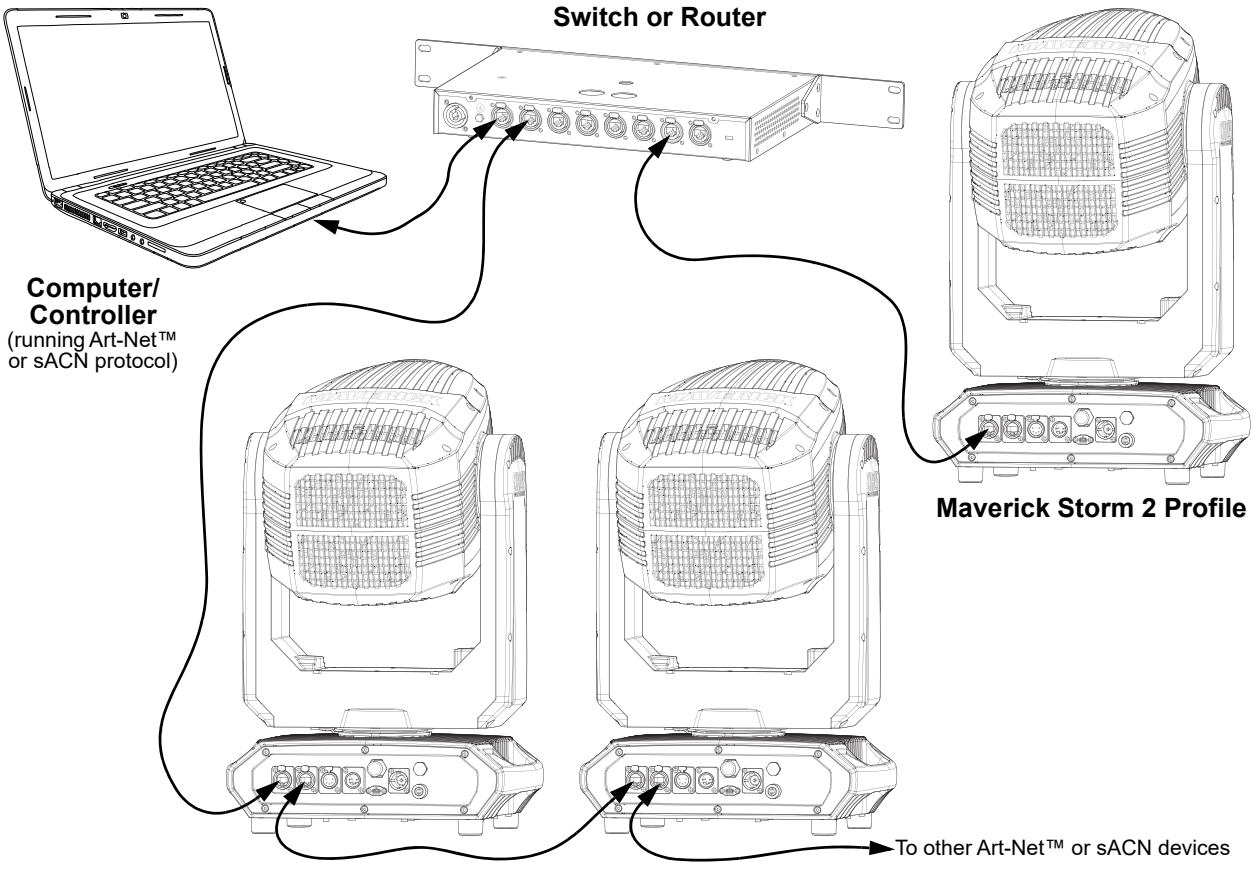
Art-Net™ is an Ethernet protocol that uses TCP/IP that transfers a large amount of DMX512 data using an Amphenol XLRnet RJ45 connection over a large network. An Art-Net™ protocol document is available from www.chauvetprofessional.com.

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

## sACN Connection

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

## Connection Diagram



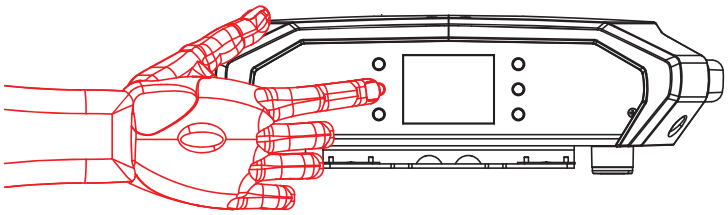
# 4. Operation

## 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 Storm 2 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 Storm 2 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).

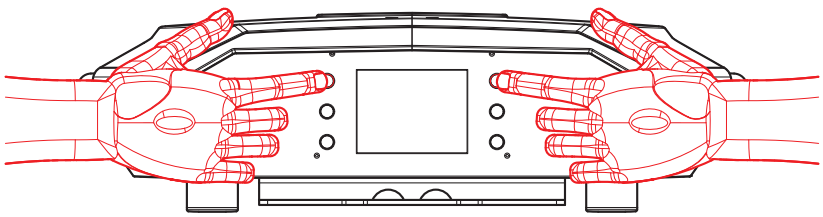
**When the control panel lock is activated, the product will prompt for the passcode in order to access the menu. Enter the passcode as described below.**

### 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 Storm 2 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 Storm 2 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™)<br>**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 32 CH** | **NO**<br>**YES** | Selects the 32-channel mode |
| | **Dmx Mode 48 CH** | | Selects the 48-channel mode |
| **Settings** | **Control Mode** | **DMX** | Sets the control protocol |
| | | **ArtNet** | |
| | | **sACN** | |
| | | **WDMX** | |
| | **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** | |
| | **Lock Screen** | **NO** | Lock the buttons<br>Passcode: **0920** |
| | | **YES** | |
| | **Swap XY** | **NO** | Do not swap pan and tilt |
| | | **YES** | Pan controls tilt, tilt controls pan |
| | **WDMX Reset** | **NO** | Do not reset WDMX |
| | | **YES** | Reset WDMX |
| | **Backlight Timer** | **30S** | Display turns off after 30 seconds |
| | | **1M** | Display turns off after 1 minute |
| | | **5M** | Display turns off after 5 minutes |
| | | **ON** | Display stays on |
| | **Loss of Data** | **Hold** | Holds last signal received |
| | | **Close** | Blacks out fixture |

| Main Level | Programming Levels | | | Description |
|---|---|---|---|---|
| Settings (cont.) | Fans | Auto | | Fan speed according to product temperature |
| | | Full | | Fan speed set on high |
| | | ECO | | Quiet mode |
| | | TV25 | | Maintains LED output up to an ambient temperature of 77 °F (25 °C) (**TV25**) or 95 °F (35 °C) (**TV35**). |
| | | TV35 | | When using these fan modes, please set the **PWM Options** to **6000Hz** or **15000Hz** to prevent any harmonization noise. |
| | Dimmer Curve | Linear | | Set the dimmer curve |
| | | Square | | |
| | | I Squa | | |
| | | SCurve | | |
| | | Linear2 | | |
| | PWM Option | 600 Hz | | Sets the Pulse Width Modulation frequency |
| | | 1200 Hz | | |
| | | 4000 Hz | | |
| | | 6000 Hz | | |
| | | 15000 Hz | | |
| | LED POWER | 64–255 | | Sets LED power |
| | Min Zoom Focus | NO | | Enables/disables Min 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 Storm 2 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 | | |
| | | All | | |
| | Factory Settings | NO | | Reset to factory default settings |
| | | YES | | |
| Test | Auto Test | | | Auto test all functions |
| | Manual Test | Pan | 0–255 | Manually control and test all settings through the control panel |
| | | Pan Fine | | |
| | | Tilt | | |
| | | Tilt Fine | | |
| | | P/T Speed | | |
| | | Dimmer | | |
| | | Dimmer Fine | | |

| Main Level | Programming Levels | | | Description |
|---|---|---|---|---|
| **Test** (cont.) | **Manual Test** (cont.) | **Shutter** | **0–255** | Manually control and test all settings through the control panel |
| | | **Virtual Shaking** | | |
| | | **Cyan** | | |
| | | **Magenta** | | |
| | | **Yellow** | | |
| | | **CTO** | | |
| | | **Color** | | |
| | | **Gobo** | | |
| | | **Gobo Rotate** | | |
| | | **Gobo Index** | | |
| | | **Gobo2** | | |
| | | **Blade1-1** | | |
| | | **Blade1-1 Fine** | | |
| | | **Blade1-2** | | |
| | | **Blade1-2 Fine** | | |
| | | **Blade2-1** | | |
| | | **Blade2-1 Fine** | | |
| | | **Blade2-2** | | |
| | | **Blade2-2 Fine** | | |
| | | **Blade3-1** | | |
| | | **Blade3-1 Fine** | | |
| | | **Blade3-2** | | |
| | | **Blade3-2 Fine** | | |
| | | **Blade4-1** | | |
| | | **Blade4-1 Fine** | | |
| | | **Blade4-2** | | |
| | | **Blade4-2 Fine** | | |
| | | **Blade Rotate** | | |
| | | **Blade. Rota Fine** | | |
| | | **Focus** | | |
| | | **Focus Fine** | | |
| | | **Focus Auto** | | |
| | | **Zoom** | | |
| | | **Zoom Fine** | | |
| | | **Prism** | | |
| | | **Prism Rotate** | | |
| | | **Iris** | | |
| | | **Frost** | | |
| | | **CMY Macro** | | |
| | | **CMY Macro Speed** | | |
| | | **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 in °C |

| Main Level | Programming Levels | | | Description |
|---|---|---|---|---|
| Information (cont.) | Fixture Information (cont.) | 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 |
| | Fan Information | _FAN_ _ _ _ (x9) Speed _ _ _ _ | | Shows speed of each fan in rpm |
| | | Base Fan1–2 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 | | |
| | | Gobo Index | | |
| | | Gobo2 | | |
| | | Blade1- 1 | | |
| | | Blade1- 1 Fine | | |
| | | Blade1- 2 | | |
| | | Blade1- 2 Fine | | |
| | | Blade2- 1 | | |
| | | Blade2- 1 Fine | | |
| | | Blade2- 2 | | |
| | | Blade2- 2 Fine | | |
| | | Blade3- 1 | | |
| | | Blade3- 1 Fine | | |
| | | Blade3- 2 | | |
| | | Blade3- 2 Fine | | |
| | | Blade4- 1 | | |
| | | Blade4- 1 Fine | | |
| | | Blade4- 2 | | |
| | | Blade4- 2 Fine | | |
| | | Blade Rotate | | |
| | | Blade. Rota Fine | | |

| Main Level | Programming Levels | | | Description |
|---|---|---|---|---|
| **Information** (cont.) | **Channel Information** (cont.) | **Focus Fine** | **000–255** | Shows all current values from input signals |
| | | **Focus** | | |
| | | **Focus Auto** | | |
| | | **Zoom** | | |
| | | **Zoom Fine** | | |
| | | **Prism** | | |
| | | **Prism Rotate** | | |
| | | **Iris** | | |
| | | **Frost** | | |
| | | **CMY Macro** | | |
| | | **CMY Macro Speed** | | |
| | | **Control** | | |

# Control Configuration

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

## Control Mode

The Maverick Storm 2 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 32 CH** or **Dmx Mode 48 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 32 CH** is **481**.
   - The highest recommended starting address for **Dmx Mode 48 CH** is **465**.

# 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 2 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

| 32CH | 48CH | 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 shaking** | 000 ⇔ 001 | No function |
| | | | 002 ⇔ 128 | Shaking effect, slow to fast |
| | | | 129 ⇔ 255 | Fade effect, 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 | Open |
| | | | 007 ⇔ 013 | Color 1 (red) |
| | | | 014 ⇔ 020 | Color 2 (orange) |
| | | | 021 ⇔ 027 | Color 3 (green) |
| | | | 028 ⇔ 034 | Color 4 (magenta) |
| | | | 035 ⇔ 041 | Color 5 (blue) |
| | | | 042 ⇔ 048 | Color 6 (CTO) |
| | | | 049 ⇔ 059 | Color 7 (CTB) |
| | | | 060 ⇔ 187 | Color wheel indexing |
| | | | 188 ⇔ 219 | Color scroll, fast to slow |
| | | | 220 ⇔ 223 | Stop |
| | | | 224 ⇔ 255 | Reverse color scroll, slow to fast |

| 32CH | 48CH | Function | Value | Percent/Setting |
|---|---|---|---|---|
| 14 | 15 | **Gobo wheel 1** (see Gobo Wheels) | 001 ⇔ 007 | Open |
| | | | 008 ⇔ 015 | Gobo 1 (Pipes & Poles) |
| | | | 016 ⇔ 023 | Gobo 2 (Cookie Cutter) |
| | | | 024 ⇔ 031 | Gobo 3 (This Way) |
| | | | 032 ⇔ 039 | Gobo 4 (Fast Moves) |
| | | | 040 ⇔ 047 | Gobo 5 (Laser Rays) |
| | | | 048 ⇔ 055 | Gobo 6 (Limbo) |
| | | | 056 ⇔ 063 | Gobo 7 (Fractured Mycelium) |
| | | | 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 wheel 1 rotate** | 000 ⇔ 063 | Gobo index |
| | | | 064 ⇔ 145 | Clockwise rotation, fast to slow |
| | | | 146 ⇔ 149 | Stop |
| | | | 150 ⇔ 231 | Counterclockwise rotation, slow to fast |
| | | | 232 ⇔ 255 | Alternating clockwise/counterclockwise rotation, short to long |
| – | 17 | **Gobo 1 fine rotate** | 000 ⇔ 255 | Fine control (16-bit) |
| 16 | 18 | **Gobo wheel 2** (see Gobo Wheels) | 000 ⇔ 005 | Open |
| | | | 006 ⇔ 011 | Gobo 1 (Dots) |
| | | | 012 ⇔ 017 | Gobo 2 (Paperclip Party) |
| | | | 018 ⇔ 023 | Gobo 3 (Orbital) |
| | | | 024 ⇔ 029 | Gobo 4 (Dirty Dirt) |
| | | | 030 ⇔ 035 | Gobo 5 (Box Cutter) |
| | | | 036 ⇔ 041 | Gobo 6 (Crazy Turns) |
| | | | 042 ⇔ 047 | Gobo 7 (Hex Chem) |
| | | | 048 ⇔ 053 | Gobo 8 (Scribble) |
| | | | 054 ⇔ 063 | Gobo 9 (Aperture) |
| | | | 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, slow to fast |
| | | | 192 ⇔ 255 | Reverse gobo scroll, slow to fast |

| 32CH | 48CH | Function | Value | Percent/Setting |
|---|---|---|---|---|
| 17 | 19 | **Blade 1-1** | 000 ⇔ 255 | 0–100% |
| – | 20 | **Fine blade 1-1** | 000 ⇔ 255 | Fine control (16-bit) |
| 18 | 21 | **Blade 1-2** | 000 ⇔ 255 | 0–100% |
| – | 22 | **Fine blade 1-2** | 000 ⇔ 255 | Fine control (16-bit) |
| 19 | 23 | **Blade 2-1** | 000 ⇔ 255 | 0–100% |
| – | 24 | **Fine blade 2-1** | 000 ⇔ 255 | Fine control (16-bit) |
| 20 | 25 | **Blade 2-2** | 000 ⇔ 255 | 0–100% |
| – | 26 | **Fine blade 2-2** | 000 ⇔ 255 | Fine control (16-bit) |
| 21 | 27 | **Blade 3-1** | 000 ⇔ 255 | 0–100% |
| – | 28 | **Fine blade 3-1** | 000 ⇔ 255 | Fine control (16-bit) |
| 22 | 29 | **Blade 3-2** | 000 ⇔ 255 | 0–100% |
| – | 30 | **Fine blade 3-2** | 000 ⇔ 255 | Fine control (16-bit) |
| 23 | 31 | **Blade 4-1** | 000 ⇔ 255 | 0–100% |
| – | 32 | **Fine blade 4-1** | 000 ⇔ 255 | Fine control (16-bit) |
| 24 | 33 | **Blade 4-2** | 000 ⇔ 255 | 0–100% |
| – | 34 | **Fine blade 4-2** | 000 ⇔ 255 | Fine control (16-bit) |
| 25 | 35 | **Blade rotation** | 000 ⇔ 255 | 0–100% |
| – | 36 | **Fine blade rotation** | 000 ⇔ 255 | Fine control (16-bit) |
| 26 | 37 | **Focus** | 000 ⇔ 255 | 0–100% |
| – | 38 | **Fine focus** | 000 ⇔ 255 | Fine control (16-bit) |
| – | 39 | **Auto focus** | 000 ⇔ 010 | No function |
| | | | 011 ⇔ 030 | 0-5 meters |
| | | | 031 ⇔ 050 | 6 meters |
| | | | 051 ⇔ 070 | 7 meters |
| | | | 071 ⇔ 090 | 8 meters |
| | | | 091 ⇔ 110 | 9 meters |
| | | | 111 ⇔ 130 | 10 meters |
| | | | 131 ⇔ 150 | 12.5 meters |
| | | | 151 ⇔ 170 | 15 meters |
| | | | 171 ⇔ 190 | 17.5 meters |
| | | | 191 ⇔ 210 | 20-60 meters |
| | | | 211 ⇔ 255 | Auto detect distance |
| 27 | 40 | **Zoom** | 000 ⇔ 255 | 0–100% (wide to narrow) |
| – | 41 | **Zoom fine** | 000 ⇔ 255 | Fine control (16-bit) |
| 28 | 42 | **Prism** | 000 ⇔ 004 | No function |
| | | | 005 ⇔ 255 | Prism insert |
| 29 | 43 | **Prism rotate** | 000 ⇔ 127 | Prism index |
| | | | 128 ⇔ 189 | Clockwise rotation, fast to slow |
| | | | 190 ⇔ 193 | Stop |
| | | | 194 ⇔ 255 | Counterclockwise rotation, slow to fast |
| 30 | 44 | **Iris** | 000 ⇔ 063 | Big to small |
| | | | 064 ⇔ 127 | Auto change, slow to fast |
| | | | 128 ⇔ 191 | Slow open, fast close, slow to fast |
| | | | 192 ⇔ 255 | Fast open, slow close, slow to fast |
| 31 | 45 | **Frost** | 000 ⇔ 255 | 0–100% |

| 32CH | 48CH | Function | Value | Percent/Setting |
|---|---|---|---|---|
| – | 46 | **CMY macro** | 000 ⇔ 003 | No function |
| | | | 004 ⇔ 006 | Full CTO |
| | | | 007 ⇔ 009 | 1/4 CTO |
| | | | 010 ⇔ 255 | CMY macro |
| – | 47 | **CMY macro speed** | 000 ⇔ 255 | Fast to slow |
| 32 | 48 | **Control**<br>(3 second hold) | 000 ⇔ 007 | No function |
| | | | 008 ⇔ 015 | Blackout during pan/tilt |
| | | | 016 ⇔ 023 | Blackout while color wheel is moving |
| | | | 024 ⇔ 031 | Blackout while gobo wheels are moving |
| | | | 032 ⇔ 039 | Blackout during pan/tilt/color wheel |
| | | | 040 ⇔ 047 | Blackout during pan/tilt/gobo wheels |
| | | | 048 ⇔ 055 | Blackout during pan/tilt/color wheel/gobo wheels |
| | | | 056 ⇔ 095 | No function |
| | | | 096 ⇔ 103 | Pan reset |
| | | | 104 ⇔ 111 | Tilt reset |
| | | | 112 ⇔ 119 | Color wheel reset |
| | | | 120 ⇔ 127 | Gobo wheels reset |
| | | | 128 ⇔ 135 | No function |
| | | | 136 ⇔ 143 | Prism reset |
| | | | 144 ⇔ 151 | Blades reset |
| | | | 152 ⇔ 159 | All reset |
| | | | 160 ⇔ 167 | Iris reset |
| | | | 168 ⇔ 175 | Frost reset |
| | | | 176 ⇔ 183 | Zoom reset |
| | | | 184 ⇔ 191 | CMY/CTO reset |
| | | | 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 | Min Zoom Focus off |
| | | | 246 ⇔ 250 | Min Zoom Focus on |
| | | | 251 ⇔ 255 | No function |

# Settings Configuration

## Pan Reverse

To set the orientation of the pan:

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

## Tilt Reverse

To set the orientation of the tilt:

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

## Screen Reverse

To set the orientation of the display:

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

## Pan Angle

To set the maximum angle of the pan:

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

## Tilt Angle

To set the maximum angle of the tilt:

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

## Black out on Movement

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

1. Go to the **Settings** main level.
2. Select from the **BL. O. P/T Move** (black out on pan/tilt movement), **BL. O. ColorMove** (black out on color wheel movement), or **BL. O. GoboMove** (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).

## 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).

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

**When using the TV25 or TV35 fan mode, please set the PWM Options (Pulse Width Modulation) to 6000Hz or 15000Hz to prevent any 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**, **4000Hz**, **6000Hz**, or **15000Hz**.

## LED Power

To set the power of each LED color:

1. Go to the **Settings** main level.
2. Select the **LED POWER** option.
3. Set the LED power from **64–255**.

## 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).

## 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 Storm 2 Profile to another:

1. Connect the Maverick Storm 2 Profile products to receive the Presets by a DMX daisy chain.
2. Make the Maverick Storm 2 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 Storm 2 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 Storm 2 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 Storm 2 Profile software using a USB C connection.**

### Reset Function

To reset specific functions or the entire product:

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

### Factory Reset

To reset the product to factory settings:

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

## Test Mode

### Auto Test

To have the Maverick Storm 2 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 Storm 2 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**, **Blade1-1**, **Blade1-1 Fine**, **Blade1-2**, **Blade1-2 Fine**, **Blade2-1**, **Blade2-1 Fine**, **Blade2-2**, **Blade2-2 Fine**, **Blade3-1**, **Blade3-1 Fine**, **Blade3-2**, **Blade3-2 Fine**, **Blade4-1**, **Blade4-1 Fine**, **Blade4-2**, **Blade4-2 Fine**, **Blade Rotate**, **Blade. Rota Fine**, **Focus**, **Focus Fine**, **Focus Auto**, **Zoom**, **Zoom Fine**, **Prism**, **Prism Rotate**, **Iris**, **Frost**, **CMY Macro**, **CMY Macro Speed**, or **Control**.
4. Increase or decrease the value of the selected function from **0–255** to test it.

## System Information

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

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

## Zero Adjust Mode

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

1. From the main level screen, press and hold **<MENU>** until the passcode screen appears.
2. Enter the passcode: **0920** and press **<ENTER>**.
3. Select the “zero” position to adjust, from **PAN**, **TILT**, **COLOR**, **GOBO**, **GOBO ROTATE**, **GOBO2**, **FOCUS-GOBO**, **FOCUS-GOBO2**, **ZOOM**, **PRISM**, **IRIS**, **FROST**, **Light Block**, **CYAN**, **MAGENTA**, **YELLOW**, **CTO**, **BLADE1-1**, **BLADE1-2**, **BLADE2-1**, **BLADE2-2**, **BLADE3-1**, **BLADE3-2**, **BLADE4-1**, **BLADE4-2**, **BLADE ROTATE**, **DIMMER1**, **DIMMER2**, **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 2 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 Storm 2 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

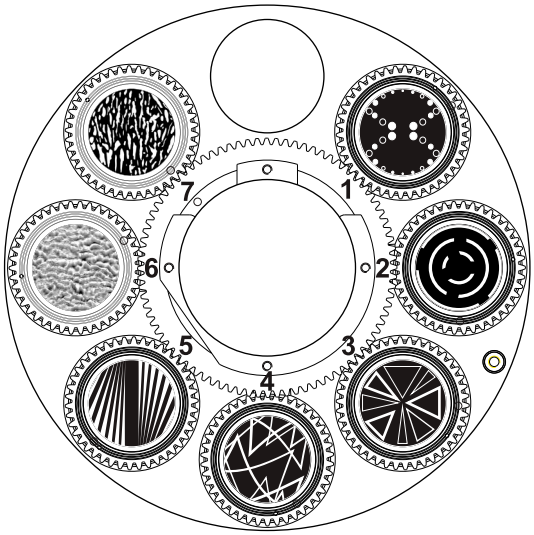
The Upgrade page on the Web Server allows the product to be updated with the latest firmware. Go to https://www.chauvetprofessional.com to download firmware updates.

### Security

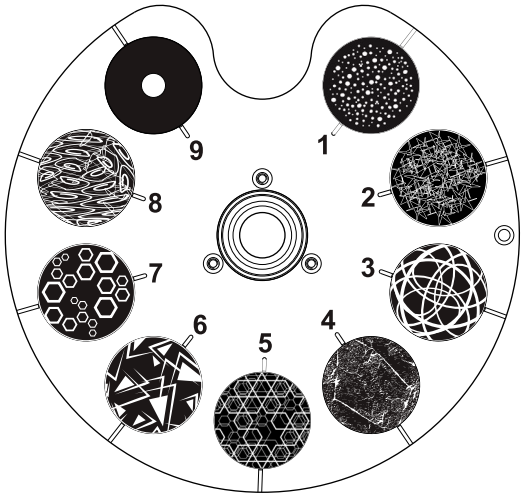
The Security page on the Web Server gives the option to change the password to the connected product’s web server. Enter the old password (**admin**, by default) and the new password twice, then click **Save Settings** to change the password.

## Gobo Wheels

**Gobo Wheel 1**
Rotating Gobo Wheel



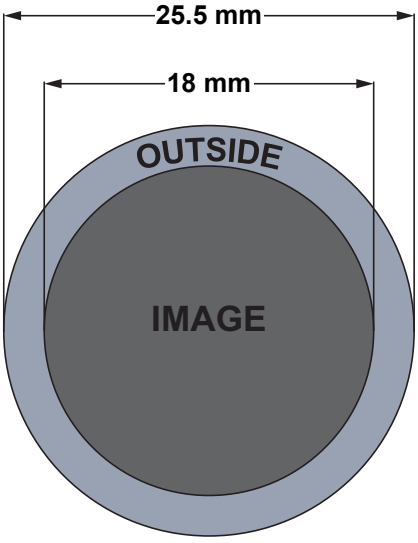

**Gobo Wheel 2**
Static Gobo Wheel




| Gobo Wheel | Gobo # | Description |
|---|---|---|
| 1 | 1 | Pipes & Poles |
| | 2 | Cookie Cutter |
| | 3 | This Way |
| | 4 | Fast Moves |
| | 5 | Laser Rays |
| | 6 | Limbo |
| | 7 | Fractured Mycelium |

| Gobo Wheel | Gobo # | Description |
|---|---|---|
| 2 | 1 | Dots |
| | 2 | Paperclip Party |
| | 3 | Orbital |
| | 4 | Dirty Dirt |
| | 5 | Box Cutter |
| | 6 | Crazy Turns |
| | 7 | Hex Chem |
| | 8 | Scribble |
| | 9 | Aperture |

### Gobo Dimensions for Gobo Wheel 1



## Gobo Replacement

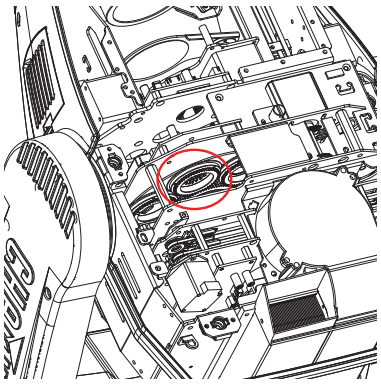
The gobos in gobo wheel 1 are removable from their gobo holder. This operation is quite simple, although it requires the technician to carefully follow the recommended procedure.

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

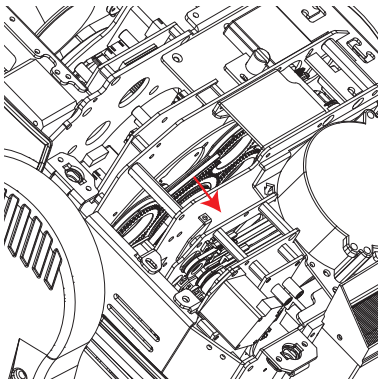
**Procedure**

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

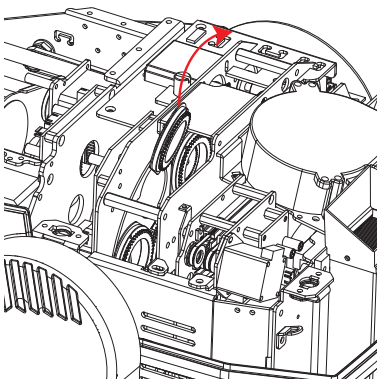
**Diagram**



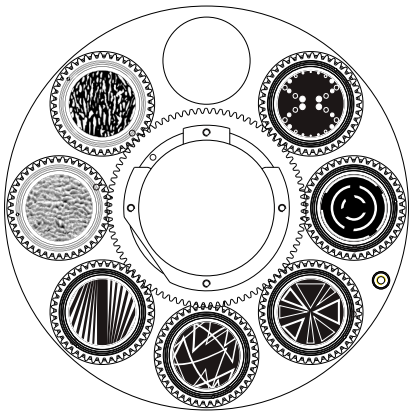
**Locate**

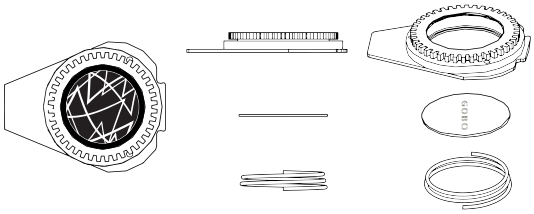


**Pull Back**



**Remove**





**Gobo Holder**

**Gobo**

**Retaining Ring**

# 5. Maintenance

## Product Maintenance

Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and/or mechanical wear. To maintain optimum performance and minimize wear, clean 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.**

## Torque Measurements

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

- Screws inside feet: 15.3 Kgf.cm, 13.3 lgb.in
- Base screws around outside (not the feet): 16.3 Kgf.cm, 14.16 lgb.in
- Base screws in middle: 35.6 Kgf.cm, 90.9 lgb.in
- Omega bracket holder: 12.2 Kgf.cm, 10.6 lgb.in
- Front and rear base cover: 25.5 Kgf.cm, 22.1 lgb.in
- Screws around power and data ports: 3.5 Kgf.cm, 3 lgb.in
- Fuse: 7.1 Kgf.cm, 6.1 lgb.in
- Center of yoke plate: 25.5 Kgf.cm, 22.1 lgb.in
- Arm cover screws: 25.5 Kgf.cm, 22.1 lgb.in
- Allen Key screws next to front lens: 25.5 Kgf.cm, 22.1 lgb.in
- Allen Key screws holding in front lens cover: 12.2 Kgf.cm, 10.6 lgb.in
- Allen Key screws next to heat pipes on the back: 25.5 Kgf.cm, 22.1 lgb.in
- Allen Key screws head covers: 25.5 Kgf.cm, 22.1 lgb.in

## Vacuum Test Measurements

To ensure that the product has been reassembled correctly, use the IP Tester from Chauvet Professional to check the following data has the given measurements for the given method:

- Method: Positive
- Test Pressure (kPa): 2.18
- Test Duration (seconds): 60
- PASS State leak pressure (kPa): <0.02

# 6. Technical Specifications

**Dimensions and Weight**

| Length | Width | Height | Weight |
|---|---|---|---|
| 9.92 in (252 mm) | 15.28 in (388 mm) | 27.52 in (699 mm) | 67.0 lb (30.4 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 | 800 W | 800 W | 779 W | 763 W | 767 W |
| Operating Current | 8.20 A | 6.82 A | 3.77 A | 3.41 A | 3.34 A |
| Fuse/Breaker | F15 A, 250 V | F15 A, 250 V | F15 A, 250 V | F15 A, 250 V | F15 A, 250 V |

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

**Light Source**

| Type | Color | Quantity | Power | Current | Lifespan |
|---|---|---|---|---|---|
| LED | Cool White | 1 | 580 W | 4.2 A | 50,000 hours |

**Photometrics**

| Beam Angle | Field Angle | Cutoff Angle | Zoom Angle |
|---|---|---|---|
| 6.3° to 42.6° | 7.9° to 54.7° | 8.2° to 58.6° | 5.5° to 58.6° |

| Illuminance @ 5 m (6.8°) | Illuminance @ 5 m (54.8°) |
|---|---|
| 71,933 lux | 2,580 lux |

**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 | Neutrik IP rated RJ45 | 32 or 48 |

**Ordering**

| Product Name | Item Name | Item Code | UPC Number |
|---|---|---|---|
| Maverick Storm 2 Profile | MAVERICKSTORM2PROFILE | 08011924 | 781462222727 |

UL 1573
CSA C22.2 No. 166
E113093

# Contact Us

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## Warranty & Returns

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

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

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