

DMX-4

User Manual

INPUT VOLTAGE EQUALS OUTPUT VOLTAGE
OUTPUT: 5 A / CH; 15 A MAX

CHAUVET

MODE	MENU	DISPLAY	DESCRIPTION
DMX Mode	Address	R001-R512	
	Personality	CH:01	1-CHANNEL
		CH:02	2-CHANNEL
		CH:04	4-CHANNEL
	Switch/Dimmer	S1	CHANNEL 1 FUNCTION
	Switch: oN	S2	CHANNEL 2 FUNCTION
	Dimmer: oF	S3	CHANNEL 3 FUNCTION
S4		CHANNEL 4 FUNCTION	
	On if DMX On	S000-S030	TURN POWER ON/OFF AS DMX IS DETECTED
Standalone Mode	Program	P:01-P:16	
	Run Speed	SP:01-SP:99	SLOW - FAST
	Dimmer	d001-d100	0% - 100%

DMX SIGNAL [] DMX [] STANDALONE []

MODE MENU

DMX-4

DIMMER/RELAY PACK

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1. BEFORE YOU BEGIN

What Is Included

- DMX-4
- Power Cord
- Warranty Card
- Quick Reference Guide

Unpacking Instructions

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

Claims

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

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

Text Conventions

CONVENTION	MEANING
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
ON	A value to be entered or selected

Symbols

SYMBOL	MEANING
	Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.
	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.

Disclaimer

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Product at a Glance

Use on Dimmer		Auto Programs	
Outdoor Use		Auto-ranging Power Supply	
Sound-Active		Replaceable Fuse	
DMX		User-Serviceable	
Master/Slave			

Safety Notes



- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Always disconnect the product from the power source before cleaning or replacing the fuse.
- Make sure the power cord is not crimped or damaged.
- Never disconnect the product from power cord by pulling or tugging on the cord.
- If mounting the product overhead, always secure to a fastening device using a safety cable.
- Make sure there are no flammable materials close to the product when operating.



- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.
- The product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose the product to rain or moisture.
- Always install the product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Be sure that no ventilation slots on the product's housing are blocked.
- Never connect the product to a dimmer.
- Make sure to replace the fuse with another of the same type and rating.
- Never carry the product from the power cord or any moving part. Always use the hanging/mounting bracket.
- The maximum ambient temperature (Ta) is 104 °F (40 °C). Do not operate the product at higher temperatures.
- In the event of a serious operating problem, stop using the product immediately.
- Never try to repair the product. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.
- 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.
- This product is not intended for permanent installation.



Keep this User Manual for future use. If you sell the product to someone else, be sure that they also receive this document.

2. INTRODUCTION

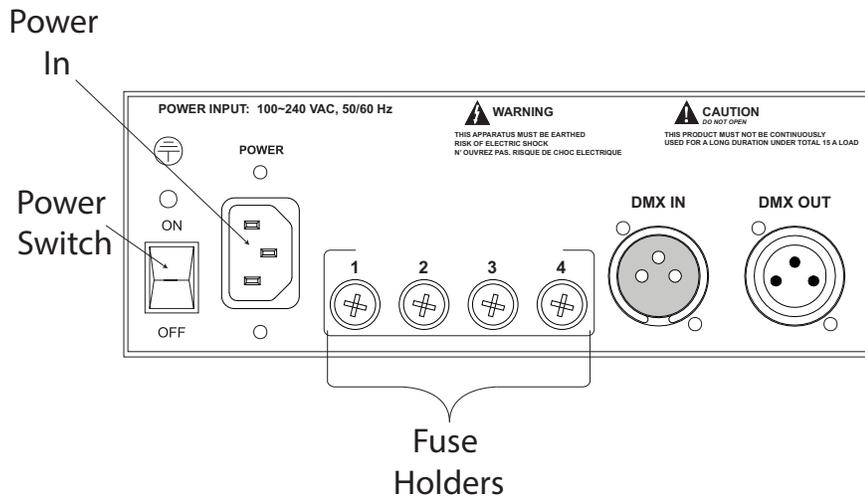
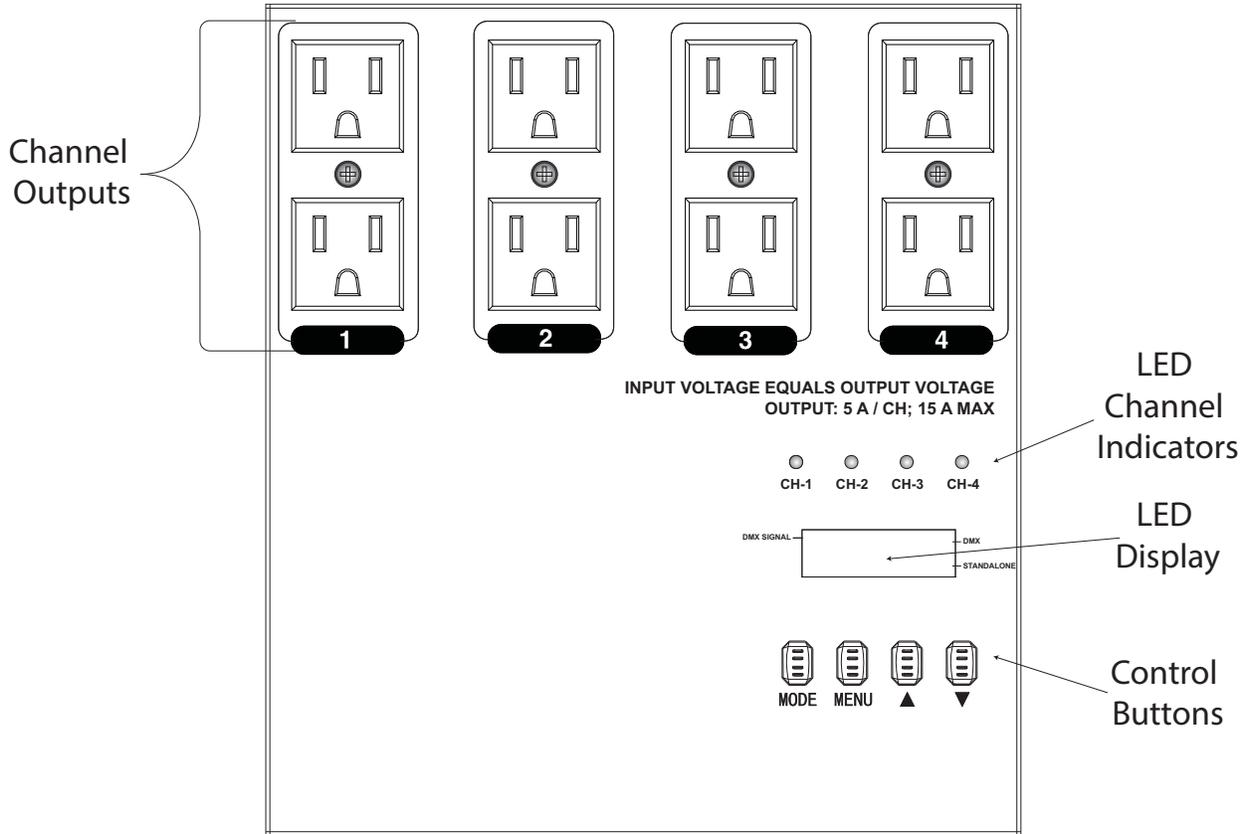
Description

The DMX-4 is a 4-channel dimmer/switch pack optimized for use with LED products. Each channel can be individually set as a dimmer or a switch. Four duplex outlets can control up to 8 products simultaneously. Automated programs have adjustable speeds and dimmer levels, which offer great control without DMX.

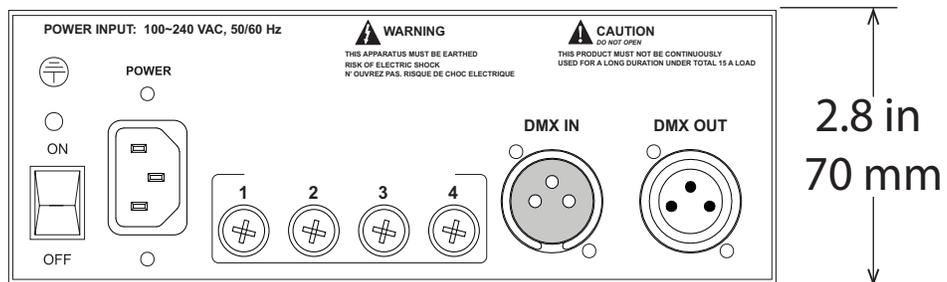
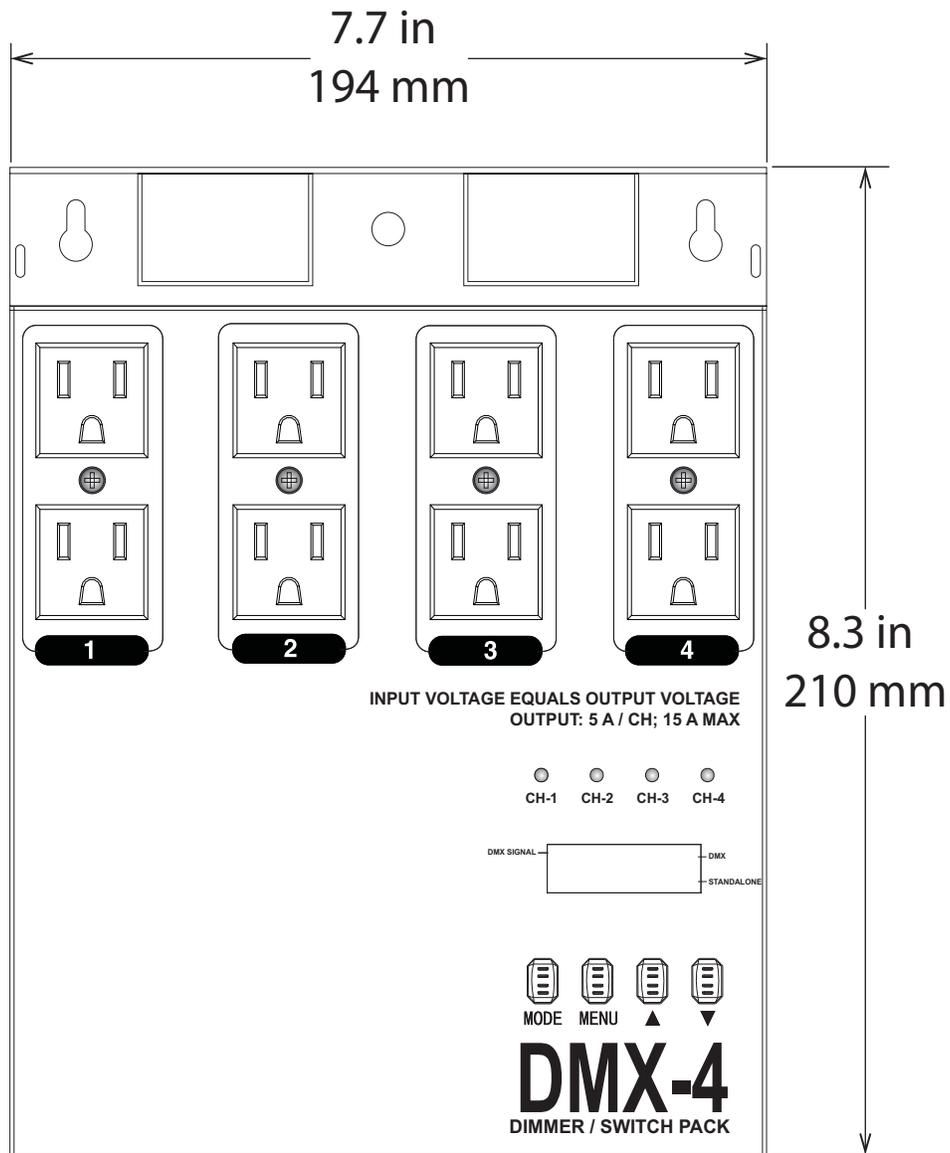
Features

- 4-channel dimmer/switch pack with up to 5 amps per channel (15 A max)
- Auto on/off when DMX is detected or removed
- Provides DMX control for on/off or dimming to non-DMX fixtures
- Built in circuitry generates a phantom load to prevent ghosting and flickering in LED fixtures
- Custom looks at your fingertips with 16 built-in, configurable chases
- Easy control using standalone mode or DMX control
- Increase flexibility by setting each channel as a dimmer or switch
- Control up to eight units simultaneously with four duplex outlets
- Monitor the status of each channel with separate LED indicators
- Generate a synchronized show using easily accessible automated programs, built-in automated programs
- Great control without DMX using automated programs with adjustable speeds and dimmer levels

Product Overview



Product Dimensions



3. SETUP

AC Power

The DMX-4 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 (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.

Fuse Replacement

The DMX-4 is equipped with replaceable fuses. Each channel has its own 7 A fuse that runs through the 20 A main power supply.

1. Disconnect the product from power.
2. With a #2 Phillips-head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse from the holder and replace with a fuse of the exact same type and rating.
4. Screw the fuse holder cap back in place and reconnect power.



Disconnect the product from the power outlet before replacing the fuse.

Dimmer/Switch Operation

Dimmer/switch packs are primarily intended for lamp-based PAR cans. Connecting a fixture equipped with an electronic (switching) power supply to a dimmer/switch pack may damage the fixture or make it work erratically. The improved DMX-4's design now allows you to switch on and off loads equipped with electronic power supplies, such as LED-based luminaires or laser fixtures. However, the DMX-4 must be in Switch mode before connecting loads of this type to it. Please see the instructions on how to set the DMX-4 in [Dimmer or Switch Mode](#)



Always make sure that the DMX-4 is in Switch mode before connecting a load equipped with an electronic power supply to it. Doing otherwise could damage the load.



The DMX-4 is optimized to also operate with LED-based products.

Mounting

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

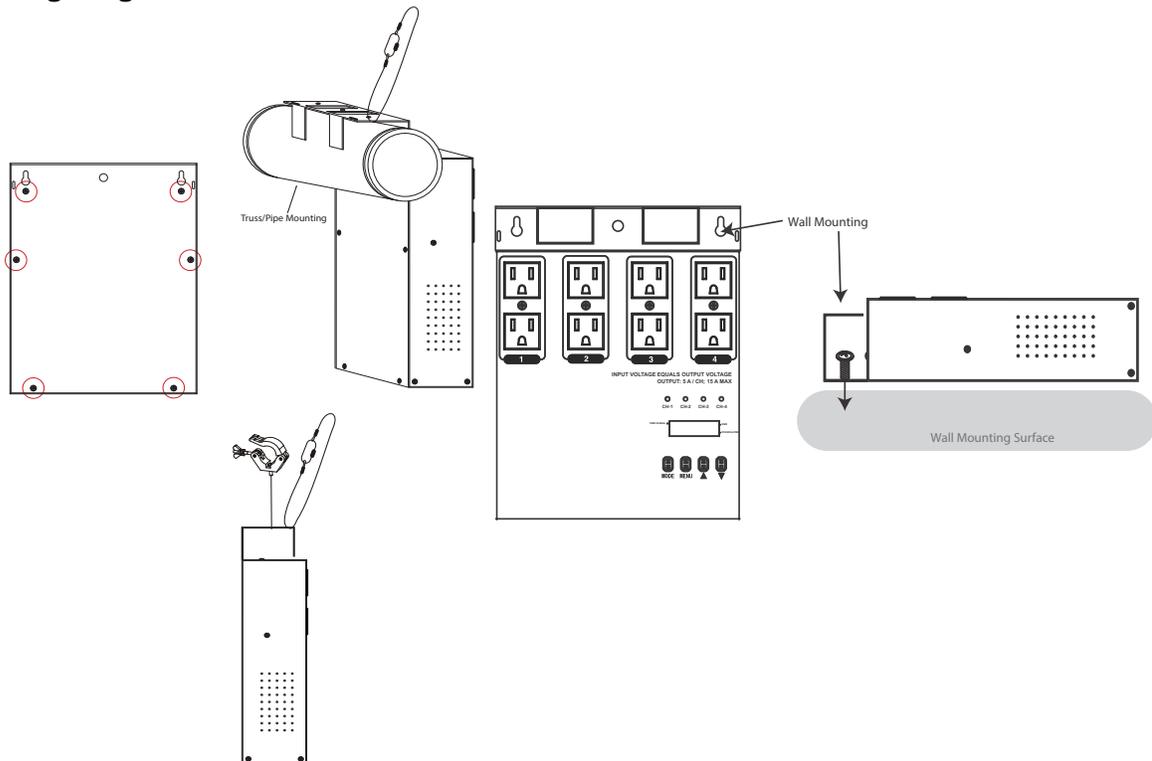
Orientation

The DMX-4 may be mounted in any position; however, make sure adequate ventilation is provided around the product.

Rigging

- Before deciding on a location for the product, always make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure onto which you are mounting the product can support the product's weight. See the [Technical Specifications](#) for weight information.
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.
- When power linking multiple products, mount the products close enough for power linking cables to reach.
- The bracket adjustment knobs allow for directional adjustment when aiming the product to the desired angle. Only loosen or tighten the bracket knobs manually. Using tools could damage the knobs.

Mounting Diagram



Alternate Rigging

If you are using this product with truss or a lighting stand, there is an alternate rigging configuration available. This option is ideal for hanging the product without using a mounting clamp.

1. Unplug the product from power.
2. On the back of the product, locate the six Phillips-head screws.
3. Use a Phillips-head screwdriver to remove these screws.
4. The mounting bracket will now come off. Be careful not to damage the internal components of the dimmer, as they are exposed during this step!
5. Flip the mounting bracket (back panel) around.
6. Reattach the panel by securely reinstalling the six Phillips-head screws.

4. OPERATION

Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display. Please refer to the [Product Overview](#) to see the button locations on the control panel.

Button	Function
<MODE>	Press to find an operation mode or to back out of the current menu option
<UP> ▲	Press to scroll up the list of options or to find a higher value
<DOWN> ▼	Press to scroll down the list of options or to find a lower value
<MENU>	Press to activate a menu option or a selected value

Dimmer or Switch Mode

The DMX-4 has two different methods for controlling the output of the four channels. To set this via the control panel, do the following.

1. Unplug any units from the four output channels.
2. Connect the DMX-4 to a suitable power outlet.
3. Turn the product on.
4. Press <MODE> repeatedly until **A001–A512** appears on the display.
5. Press <MENU> repeatedly until **S1__**, **S2__**, **S3__**, or **S4__** appears on the display. This setting can be set differently for each of the four channels. Navigate to the desired channel.
6. Use <UP> ▲ or <DOWN> ▼ to select either **__oN** (Switch mode) or **__oF** (Dimmer mode) for the channel selected in the previous step.
7. Repeat steps 5 and 6 to set each of the other channels, if necessary.

Menu Map

Mode	Menu	Display	Description
DMX Mode	Starting Address	A001–A512	Selects the DMX starting address
	Personality	CH:01	1-Channel mode
		CH:02	2-Channel mode
		CH:04	4-Channel mode
	Switch/Dimmer Switch: oN Dimmer: oF	S1__	Channel 1 function
		S2__	Channel 2 function
		S3__	Channel 3 function
S4__		Channel 4 function	
Power Toggle	SO00–SO30	Turns power on/off as a DMX signal is detected. Can assign up to a 30 second delay.	
Standalone Mode	Program	P:01–P:16	Automatic programs
	Run Speed	SP:01–SP:99	Automatic program speeds Slow to fast
	Dimmer	d000–d100	0–100%

Configuration (DMX)

The DMX-4 works with a DMX controller. Information about DMX is in the CHAUVET DMX Primer, which is available from the Chauvet website http://www.chauvetlighting.com/downloads/DMX_Primer_rev05_WO.pdf.

DMX Personality and Starting Address

When selecting a starting DMX address, always consider the number of DMX channels the selected DMX mode uses. If you choose a starting address that is too high, you could restrict the access to some of the product's channels.

The DMX-4 uses up to 4 DMX channels in a 4CH DMX mode, which defines the highest configurable address to **509**.

If you are not familiar with the DMX protocol, download the DMX Primer from www.chauvetdj.com.

To select the starting address, do the following:

1. Press **<MENU>** repeatedly until **XXX** shows on the display.
2. Press **<ENTER>** and **XXX** will show on the display.
3. Use **<UP>** or **<DOWN>** to select the starting address.
4. Press **<ENTER>**.

DMX Values

4-Channel

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇄ 255	0-100%
2	Dimmer	000 ⇄ 255	0-100%
3	Dimmer	000 ⇄ 255	0-100%
4	Dimmer	000 ⇄ 255	0-100%

2-Channel

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇄ 255	Channels 1 + 2, 0-100%
2	Dimmer	000 ⇄ 255	Channels 3 + 4, 0-100%

1-Channel

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇄ 255	All four channels, 0-100%

Configuration (Standalone)

Set the product in one of the standalone modes to control without a DMX controller.



Never connect a product that is operating in any standalone mode to a DMX string connected to a DMX controller. Products in standalone mode may transmit DMX signals that could interfere with the DMX signals from the controller.

Automatic Programs

To run the DMX-4 in automatic mode, follow the instructions below:

1. Press **<MODE>** to switch between DMX mode and Standalone mode. Switch it to Standalone mode.
2. Press **<MENU>** repeatedly until P:01–P:16 shows on the display.
3. Use **<UP>** ▲ or **<DOWN>** ▼ to select the desired Automatic program.
4. Press **<MENU>** repeatedly until SP:01–SP:99 shows on the display.
5. Use **<UP>** ▲ or **<DOWN>** ▼ to select the desired running speed.
6. Press **<MENU>** repeatedly until d000–d100 shows on the display.
7. Use **<UP>** ▲ or **<DOWN>** ▼ to select the desired dimmer level for the program currently running.

◆ **NOTE:** There is no dimmer function if you select **d000**.

5. MAINTENANCE

Product Maintenance

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

To clean the product, follow the instructions below:

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



Always dry the transparent surfaces carefully after cleaning them.

6. TECHNICAL SPECIFICATIONS

Dimensions and Weight

LENGTH	WIDTH	HEIGHT	WEIGHT
8.3 in (210 mm)	7.7 in (194 mm)	2.8 in (70 mm)	5 lb (2.2 kg)

Note: Dimensions in inches rounded to the nearest hundredth.

Power

POWER SUPPLY TYPE	RANGE	VOLTAGE SELECTION
Switching (internal)	100 to 240 VAC, 50/60 Hz	Auto-ranging

PARAMETER	MAX PER CHANNEL	MAX TOTAL
Operating Current	5 A	15 A
Fuse	F 7 A, 250 V	F 7 A, 250 V

POWER I/O	U.S./CANADA	WORLDWIDE
Power input connector	IEC	IEC
Power output connector	Edison	IEC
Power Cord plug	Edison (U.S.)	Local Plug

Thermal

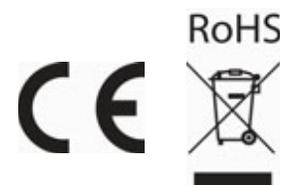
MAXIMUM EXTERNAL TEMPERATURE	COOLING SYSTEM
104 °F (40 °C)	Convection

DMX

I/O CONNECTOR	CHANNEL RANGE
3-pin XLR	1, 2, or 4

Ordering

PRODUCT NAME	ITEM CODE	UPC NUMBER
DMX-4	09080140	781462206277



RETURNS

In case you need to get support or return a product:

- If you are located in the U.S., contact Chauvet World Headquarters.
- If you are located in the UK or Ireland, contact Chauvet Europe Ltd.
- If you are located in Mexico, contact Chauvet Mexico.
- If you are located in Benelux, contact Chauvet Europe BVBA.
- If you are located in any other country, DO NOT contact Chauvet. Instead, contact your local distributor. See www.chauvetdj.com for distributors outside the U.S., UK, Ireland, Mexico, or Benelux.



If you are located outside the U.S., UK, Ireland, Mexico, or Benelux, contact your distributor of record and follow their instructions on how to return Chauvet products to them. Visit our website www.chauvetdj.com for contact details.

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

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

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



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

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

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

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



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

CONTACT US

World Headquarters	
General Information	Technical Support
Address: 5200 NW 108th Ave. Sunrise, FL 33351 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com
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	Website
	www.chauvet.com.mx

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