EVE P-140 VW

User Manual

CHAUVET DJ

Edition Notes

The EVE P-140 VW User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the EVE P-140 VW 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

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

Revision	Date	Description
6	11/2024	Updated formatting and photometric specs.

TABLE OF CONTENTS

1. Before You Begin

What Is Included
- EVE P-140 VW
- 2 lenses
- Gel frame
- Power cable
- Hanging bracket
- 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 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
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.

Safety Notes

These Safety Notes include important information about installation, use, and maintenance of the EVE P-140 VW.

- **ALWAYS:**
    - ♦ Connect to a grounded circuit.
    - ♦ Connect to operating voltages as specified on the product's spec sticker.
    - ♦ Disconnect from power before replacing the fuse.
    - ♦ Disconnect from its power source during periods of inactivity.
    - ♦ Use a safety cable when suspending overhead.
    - ♦ Heed all restrictions and warnings on the spec sticker.
    - ♦ Mount in a location with at least 20 in (50 cm) of ventilation.
    - ♦ Replace the fuse with the same type and rating.

- In the event of a serious operating problem, stop using immediately.
- **DO NOT:**
    - ♦ Open this product or attempt any repairs. It contains no user-serviceable parts.
    - ♦ Look at the light source when the product is on.
    - ♦ Use if the power cable is crimped or damaged.
    - ♦ Disconnect by pulling on the power cable.
    - ♦ Allow flammable materials close to the product when it is operating.
    - ♦ Touch the housing when it is on.
    - ♦ Block any ventilation holes/slots in the housing.
    - ♦ Connect to a dimmer or rheostat.
    - ♦ Carry the product by its power cable.
    - ♦ Operate in temperatures higher than 104°F (40°C).
    - ♦ Expose to environments that exceed the Ingress Protection (IP) rating.
    - ♦ Expose to rain or moisture.
    - ♦ Use outdoors.
    - ♦ Submerge.

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

2. Introduction

Product Overview
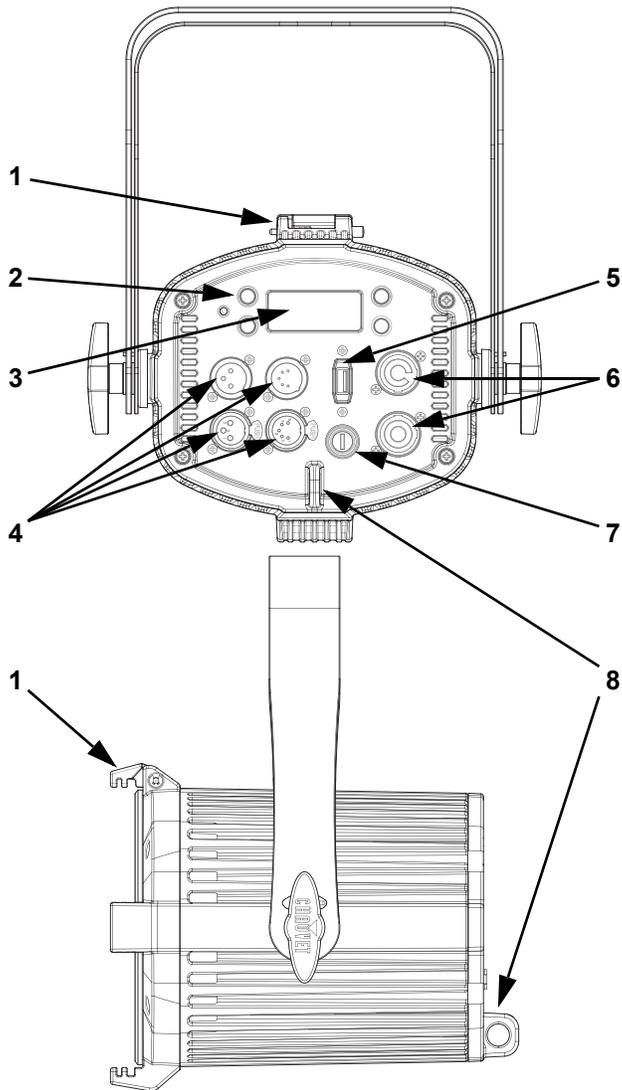
#	Name
1	Accessory clip
2	Menu buttons
3	LED display
4	3- and 5-pin DMX in/out
5	USB type B port (for D-Fi USB)
6	Power in/out
7	Fuse holder
8	Safety loop

⚠ **WARNING! DO NOT plug anything other than a D-Fi USB into the USB type B port. Doing so may cause damage to the product.**

Product Dimensions

11.3 in
288 mm

9.65 in
245 mm

6.9 in
176 mm

8.6 in
220 mm

12 in
305 mm
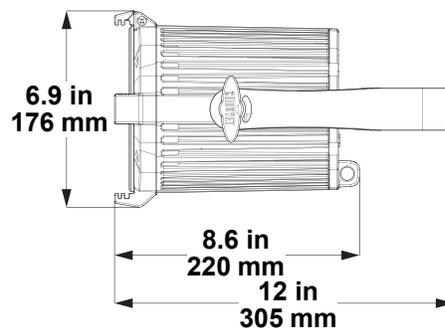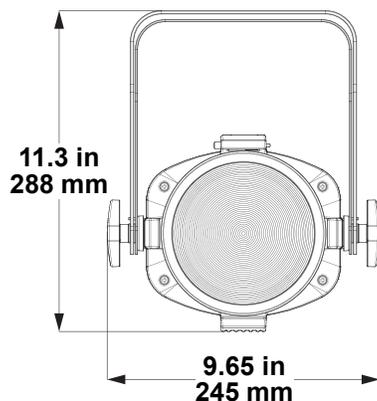
3. Setup

AC Power

The EVE P-140 VW 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.

Fuse Replacement

1. Disconnect the product from power.
2. Using a flat-head screwdriver, unscrew the fuse holder and pull it straight out.
3. Remove the blown fuse from the holder and replace with a fuse of the exact same type and rating.
4. Re-insert the fuse holder and reconnect power.

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

Always replace a blown fuse with one of the same type and rating.

Power Linking

This product provides power linking via the outlet located in the back of the product. See the diagram below for further explanation.

Power Linking Diagram

Power source

1ˢᵗ product   **2ⁿᵈ product**   **3ʳᵈ product**   **Additional products**
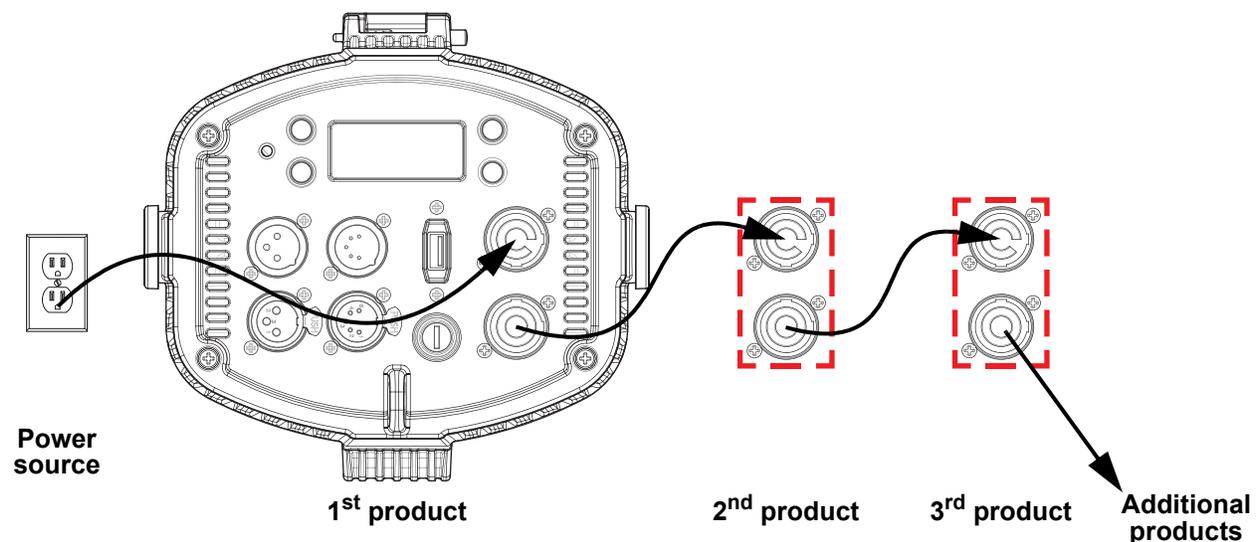
It is possible to link up to 8 EVE P-140 VW products on 120 VAC or up to 16 products on 230 VAC.

The power linking diagram shown above corresponds to the North American version of the product ONLY! If using the product in other markets, consult with the local Chauvet distributor as power linking connectors and requirements may differ by country or region.

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the <u>Safety Notes</u>.

Orientation

The EVE P-140 VW 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.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the <u>Technical Specifications</u> section for weight information).
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, such as an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity. The bracket has a 13-mm hole, which is appropriate for this purpose.
- 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.
- When power linking multiple products, mount the products close enough for power linking cables to reach.
- When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

Mounting Diagram

Mounting clamp
(such as **CLP-15N**
from Chauvet)

Safety cable
(such as **CH-05**
from Chauvet)

**Hanging
bracket**

**Bracket
adjustment knobs**

Overhead mounting   **Surface mounting**
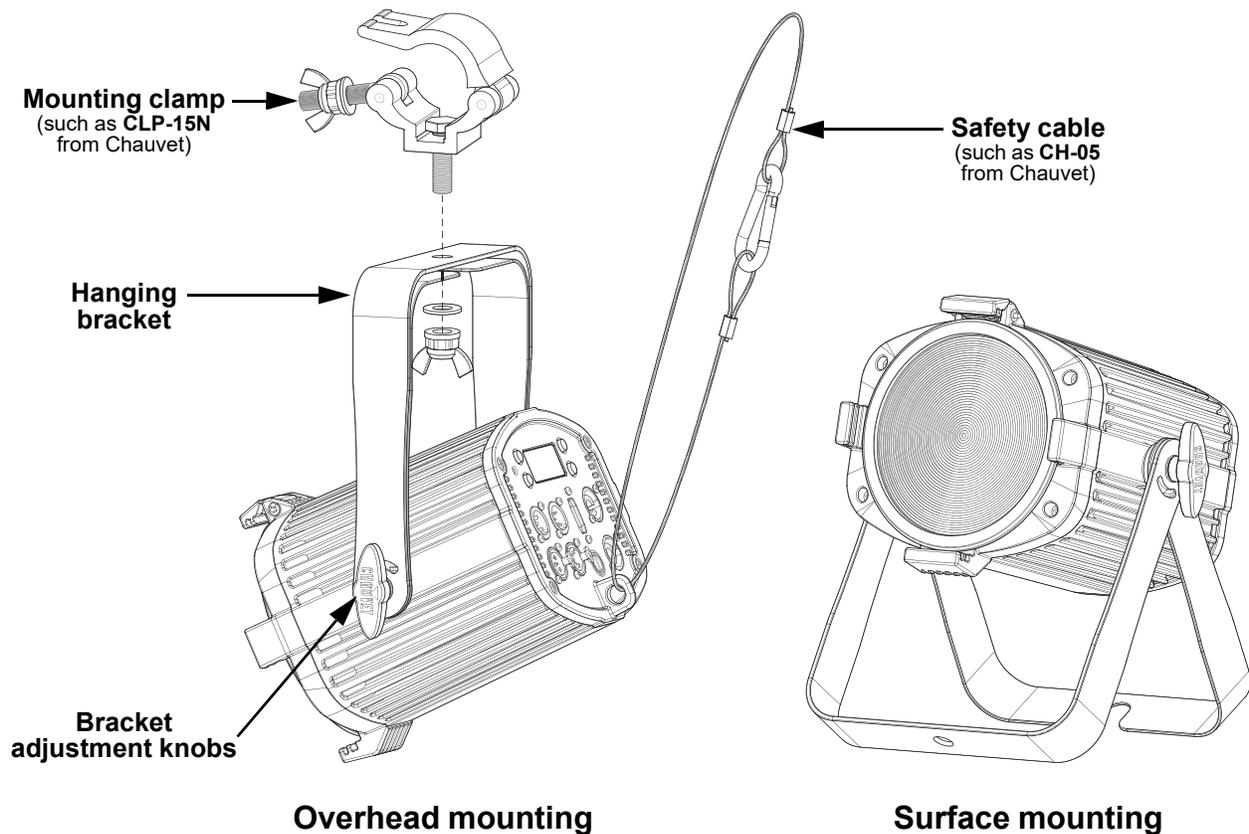
4. Operation

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
<MENU>	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
<ENTER>	Press to activate a menu option or a selected value

Menu Map

Refer to the EVE P-140 VW product page on www.chauvetdj.com for the latest menu map and software.

Mode	Programming Levels		Description
DMX mode	**3-CH**	**d 1–512**	3-channel DMX mode
	4-CH		4-channel DMX mode
	9-CH		9-channel DMX mode
Static Color	**C--**	**C 1–7**	Static colors
Programs	**P--**	**P 1–4**	Automatic programs
Auto speed	**S--**	**S 1–100**	Program speed for **P 1–4**
Sound mode	**Snd**	**Snd1–2**	Sound-active programs
Sensitivity	**SEnS**	**u 0–100**	Sound sensitivity for **Snd1–2**
Custom Color Mixing	**U--**	**W 0–255**	Custom static colors Combine warm white, cool white, and amber
		C 0–255	
		A 0–255	
Dimmer speed mode	**dIM**	**OFF**	Linear (immediate) dimmer transition
		dIM1–3	Dimmer transition speed, from fast (**dIM1**) to slow (**dIM3**)
Temperature	**tEMP**	**_ _**	Displays the current product temperature in °C

DMX Configuration

The EVE P-140 VW works with a DMX controller. Information about DMX is in the Chauvet DMX Primer, which is available from the Chauvet website chauvetlighting.com/downloads/DMX_Primer_rev05_WO.pdf.

Personality and Starting Address

The EVE P-140 VW uses up to 9 DMX channels in the **9-CH** DMX mode, which defines the highest recommended address to **504**.

When selecting a starting DMX address, always consider the number of DMX channels the DMX mode uses. If the starting address is set too high, access to some channels could be restricted.

For information about the DMX protocol, download the DMX Primer from www.chauvetdj.com.

To select the personality and starting address, do the following:
1. Press **<MENU>** repeatedly until **3-CH**, **4-CH**, or **9-CH** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select the starting address, from **d 1–512**.
4. Press **<ENTER>**.

D-Fi USB Connectivity

The EVE P-140 VW is able to become a D-Fi wireless receiver/transmitter with the use of the D-Fi USB from Chauvet DJ. Simply set the product's DMX Personality and DMX Address, set the DIP switch D-Fi receiving/transmitting channel, then plug it into the D-Fi USB port.

⚡ **WARNING! DO NOT plug anything other than a D-Fi USB into the USB type B port. Doing so may cause damage to the product.**

Once plugged in, the D-Fi USB will take over the product. Wired DMX and manual display control / menu buttons will be unavailable until the D-Fi USB is unplugged. The priority levels are:
1. D-Fi USB
2. Wired DMX
3. Manual Digital Display/Menu Buttons

D-Fi USB Compatibility

The D-Fi USB can receive a DMX signal from the D-Fi Hub and the FlareCON Air 2 as well as other D-Fi USB products.

D-Fi USB Configuration

1. Set the DMX Personality and DMX address on the EVE P-140 VW.
2. Use the Chart provided to set **BOTH**:
   • the Channel, and then
   • The Receiving or Transmitting option

   NOTE: DIP Switch 5 is for Transmitting OR Receiving, please choose carefully.

D-Fi USB DIP Switch Channels

DMX Channel Assignments and Values
DMX Charts

3-CH	4-CH	9-CH	Function	Value	Percent/Setting
–	1	1	**Dimmer**	**000 ⇔ 255**	0–100%
1	2	2	**Warm white**	**000 ⇔ 255**	0–100%
2	3	3	**Cool white**	**000 ⇔ 255**	0–100%
3	4	4	**Amber**	**000 ⇔ 255**	0–100%
–	–	5	**Color macros**	**000 ⇔ 015**	No function
				016 ⇔ 255	Color macros
–	–	6	**Strobe**	**000 ⇔ 015**	No function
				016 ⇔ 255	Strobe, slow to fast
–	–	7	**Programs**	**000 ⇔ 031**	No function
				032 ⇔ 063	0–100%
				064 ⇔ 095	100–0%
				096 ⇔ 127	100–0–100%
				128 ⇔ 159	Color fade program
				160 ⇔ 191	3-color snap program
				192 ⇔ 223	7-color snap program
				224 ⇔ 240	Sound-active program 1
				241 ⇔ 255	Sound-active program 2
–	–	8	**Program speed** (when Ch. 7 is **032 ⇔ 223**)	**000 ⇔ 255**	Program speed, slow to fast
			Sound sensitivity (when Ch. 7 is **224 ⇔ 255**)	**000 ⇔ 010**	Sound sensitivity off
				011 ⇔ 255	Sound sensitivity, low to high
–	–	9	**Dimmer speed mode**	**000 ⇔ 051**	Dimmer speed set from the display
				052 ⇔ 101	Linear dimmer speed (off)
				102 ⇔ 152	Dimmer speed mode 1 (fast)
				153 ⇔ 203	Dimmer speed mode 2 (medium)
				204 ⇔ 255	Dimmer speed mode 3 (slow)

Standalone Configuration

Set the product in one of the standalone modes to operate 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.**

Static Color

To run the EVE P-140 VW with a preset static color, follow the instructions below:
1. Press **<MENU>** repeatedly until **C--** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select the desired color from **C 1–7**.
4. Press **<ENTER>**.

Automatic Programs

To run the EVE P-140 VW with an automatic program, follow the instructions below.
1. Press **<MENU>** repeatedly until **P--** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select the desired program from **P 1–4**.
4. Press **<ENTER>**.

Automatic Program Speed

To set the speed of the automatic program, do the following:
1. Press **<MENU>** repeatedly until **S--** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to increase or decrease the program speed, from **S 1–100**.
4. Press **<ENTER>**.

Sound-Active Mode

To run the EVE P-140 VW with a sound-active program, follow the instructions below.
1. Press **<MENU>** repeatedly until **Snd** shows on the display.
2. Press **<ENTER>**.
3. Press **<ENTER>** to select the desired program from **Snd1–2**.
4. Press **<ENTER>**.

Sound Sensitivity

To set the sound sensitivity of the product, do the following:
1. Press **<MENU>** repeatedly until **SEnS** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to increase or decrease the sound sensitivity, from **u 0–100**.
4. Press **<ENTER>**.

> **The product will only respond to low frequencies of music (bass and drums).**

Custom Color Mixing

To run the EVE P-140 VW with a custom static color, follow the instructions below:
1. Press **<MENU>** repeatedly until **U--** shows on the display.
2. Press **<ENTER>** and **W _ _ _** (warm white), **C _ _ _** (cool white), or **A _ _ _** (amber) will show on the display.
3. Use **<UP>** or **<DOWN>** to increase or decrease the selected color value, from **_ 0–255**.
4. Press **<ENTER>** to save the selected value as and cycle through the colors.
5. Repeat steps 3-4 until the product is set as desired.

Dimmer Speed Mode

To set the transition speed when changing the dimmer value, follow the instructions below:
1. Press **<MENU>** repeatedly until **dIM** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to increase or decrease the speed, from **OFF** (immediate), **dIM1** (fast), **dIM2** (medium), or **dIM3** (slow).
4. Press **<ENTER>**.

Temperature

To view the current temperature of the EVE P-140 VW in °C, follow the instructions below:
1. Press **<MENU>** repeatedly until **tEMP** shows on the display.
2. Press **<ENTER>**.

Wired Master/Slave Mode

The Master/Slave mode allows a single EVE P-140 VW product (the "master") to control the actions of one or more EVE P-140 VW products (the "slaves") without the need of a DMX controller. The master product will be set to operate in standalone mode, while the slave products will be set to operate in slave mode. Once set and connected, the slave products will operate in unison with the master product.

Configure the products as indicated below.

Slave products:
1. Press **<MENU>** repeatedly until **1-CH** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to set the starting address to **d 1**.
4. Press **<ENTER>**.
5. Connect the DMX input of the first slave product to the DMX output of the master product.
6. Connect the DMX input of the next slave products to the DMX output of the previous slave product.
7. Finish setting and connecting all the slave products.

Master product:
1. Set the master product to operate in standalone mode.
2. Make the master product the first product in the DMX daisy chain.

> • **Configure all the slave products before connecting the master to the daisy chain.**
> • **Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master.**
> • **Do not connect more than 31 slaves to the master.**

D-Fi USB Master/Slave Mode

The D-Fi USB allows a single EVE P-140 VW product (the "master") to control the actions of one or more EVE P-140 VW products (the "slaves") without the need of a DMX controller or DMX cables. The master (transmitter) product will be set to operate in standalone mode, while the slave (receiver) products will be set to operate in slave mode. Once set and connected, the slave products will operate in unison with the master product.

Configure the products as indicated below.

Slave products:
1. Press **<MENU>** repeatedly until **1-CH** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to set the starting address to **d 1**.
4. Press **<ENTER>**.
5. Set the D-Fi USB to receive on a specific channel, 1–16.
6. Plug in the D-Fi USB.
7. Finish setting and connecting all the slave products.

Master product:
1. Set the master product to operate in standalone mode.
2. Set the D-Fi USB to transmit on the D-Fi channel the slaves are receiving on.
3. Plug in the D-Fi USB.

> • **All products must be set to the same DMX personality, DMX address, and D-Fi channel.**
> • **Configure all the slave products before configuring the master to transmit.**
> • **Never connect a DMX controller to a D-Fi channel configured for Master/Slave operation because the controller may interfere with the signals from the master.**

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 all 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
8.6 in (220 mm)	9.65 in (245 mm)	12 in (305 mm)	7.6 lb (3.5 kg)

Note: Dimensions in inches are rounded.

Power

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

Parameter	120 V, 60 Hz	230 V, 50 Hz
Consumption	122 W	111 W
Operating Current	1.2 A	0.5 A
Power linking current (products)	8 A (8 products)	8 (16 products)
Fuse	T 2 A, 250 V	T 2 A, 250 V

Power I/O	U.S./Worldwide	UK/Europe
Power input connector	powerCON®-compatible	powerCON®-compatible
Power output connector	powerCON®-compatible	powerCON®-compatible
Power cable plug	Edison (U.S.)	Local Plug

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Cool white	13	140 W total	2.4 A	50,000 hours
	Warm white	13			
	Amber	14			

Photometrics

CRI	Strobe Rate	Lumens	Color Temperature
77	0 to 34 Hz	5,443	2700 to 13000 K

Lens	Beam Angle	Field Angle	Illuminance @ 2 m	Illuminance @ 5 m
No lens	41°	94°	2,082 lux	333 lux
Lens 1	35°	63°	2,793 lux	447 lux
Lens 2	56°	82°	1,335 lux	214 lux

Thermal

Maximum External Temperature	Cooling System
104 °F (40 °C)	Convection

DMX

I/O Connector	Channel Range
3- and 5-pin XLR	3, 4 or 9

Ordering

Product Name	Item Code	UPC Number
EVE P-140 VW	03031446	781462217945

RoHS

MET ® c us
UL 1573
CSA C22.2 No. 166
E113093

UKCA CE

Contact Us

General Information	Technical Support
Chauvet World Headquarters	
Address: 3360 Davie Rd., Suite 509	Voice: (844) 393-7575
Davie, FL 33314	Fax: (954) 756-8015
Voice: (954) 577-4455	Email: chauvetcs@chauvetlighting.com
Fax: (954) 929-5560	
Toll Free: (800) 762-1084	Website: www.chauvetdj.com
Chauvet U.K.	
Address: Pod 1 EVO Park	Email: UKtech@chauvetlighting.eu
Little Oak Drive, Sherwood Park	
Nottinghamshire, NG15 0EB	Website: www.chauvetdj.eu
UK	
Voice: +44 (0) 1773 511115	
Fax: +44 (0) 1773 511110	
Chauvet Benelux	
Address: Stokstraat 18	Email: BNLtech@chauvetlighting.eu
9770 Kruishoutem	
Belgium	Website: www.chauvetdj.eu
Voice: +32 9 388 93 97	
Chauvet France	
Address: 3, Rue Ampère	Email: FRtech@chauvetlighting.fr
91380 Chilly-Mazarin	
France	Website: www.chauvetdj.eu
Voice: +33 1 78 85 33 59	
Chauvet Germany	
Address: Bruno-Bürgel-Str. 11	Email: DEtech@chauvetlighting.de
28759 Bremen	
Germany	Website: www.chauvetdj.eu
Voice: +49 421 62 60 20	
Chauvet Mexico	
Address: Av. de las Partidas 34 - 3B	Email: servicio@chauvet.com.mx
(Entrance by Calle 2)	
Zona Industrial Lerma	Website: www.chauvetdj.mx
Lerma, Edo. de México, CP 52000	
Voice: +52 (728) 690-2010	

Warranty & Returns

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