EVE P-100 WW

User Manual







Edition Notes

The EVE P-100 WW User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the EVE P-100 WW 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.

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1. Before You Begin

What Is Included

- EVE P-100 WW
- 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</enter>			
ON	A value to be entered or selected		

Symbols

Symbol	Meaning
A	Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.
Ţ	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-100 WW.

ALWAYS:

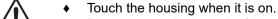
- ♦ Connect to a grounded circuit.
- Connect to operating voltages as specified on the product's spec sticker.



- 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.



- 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.



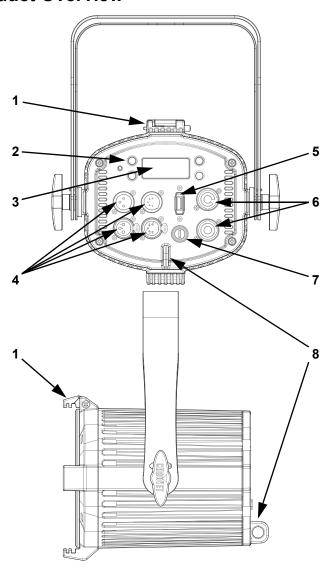
Keep this User Manual for future use. If the product is sold to someone else, be sure that they also receive this document.





2. Introduction

Product Overview

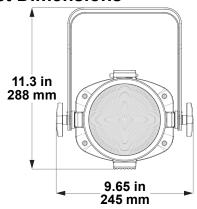


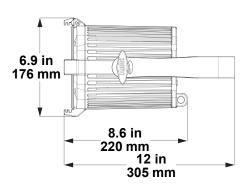
#	Name		
1	Accessory clip		
2	Menu buttons		
3	LED display		
4	3- and 5-pin DMX in/out		
5	USB type B port (for D-Fi USB)		
6	Power in/out		
7	Fuse holder		
8	Safety loop		



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







3. Setup

AC Power

The EVE P-100 WW 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.

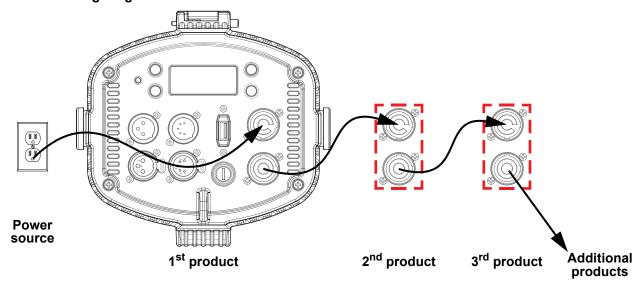


Always replace a blown fuse with one of the same type and rating.

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





It is possible to link up to 7 EVE P-100 WW products on 120 VAC or up to 14 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 Safety Notes.

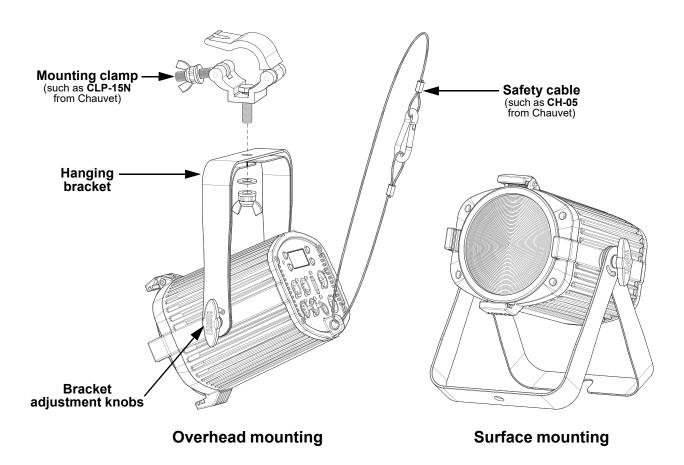
Orientation

The EVE P-100 WW 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 Technical Specifications 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





4. Operation

Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display. Please refer to the <u>Product Overview</u> to see the button locations on the control panel.

Button	Function		
<menu></menu>	Press to find an operation mode or to back out of the current menu option		
<up></up>	Press to scroll up the list of options or to find a higher value		
<down></down>	Press to scroll down the list of options or to find a lower value		
<enter></enter>	Press to activate a menu option or a selected value		

Menu Map

Refer to the EVE P-100 WW product page on www.chauvetdj.com for the latest menu map and software.

Mode	Programming Levels		Description	
	1-CH		1-channel DMX mode	
DMX mode	2-CH	d 1–512	2-channel DMX mode	
	4-CH		4-channel DMX mode	
Programs	P P 1–3		Automatic programs	
Auto speed	S S 1–100		Program speed for P 1–3	
Sound mode	Snd Snd1-2		Sound-active programs	
Sensitivity	SEnS	u 0–100	Sound sensitivity for Snd1–2	
Dimmer	U	d 0-255	Standalone output intensity	
Dimmer	dIM	OFF	Linear (immediate) dimmer transition	
speed mode	uiw	dIM1-3	Dimmer transition speed, from fast (dIM1) to slow (dIM3)	
Temperature	re tEMP		Displays the current product temperature in °C	

DMX Configuration

The EVE P-100 WW 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-100 WW uses up to 4 DMX channels in the **4-CH** DMX mode, which defines the highest recommended address to **509**.

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 1-CH, 2-CH, or 4-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-100 WW 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

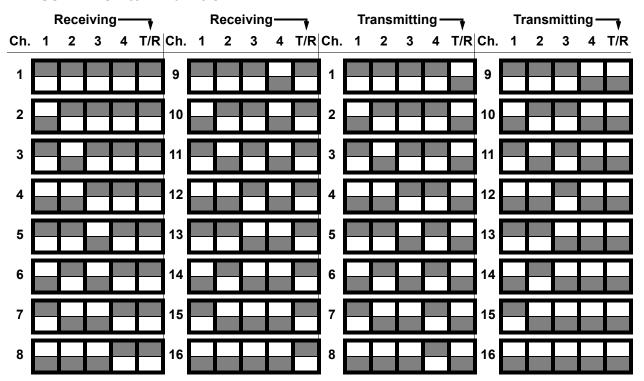
The D-Fi USB can receive a DMX signal from the D-Fi Hub and the FlareCON Air 2 as well as other D-Fi USB products.

D-Fi USB Configuration

- 1. Set the DMX Personality and DMX address on the EVE P-100 WW.
- 2. Use the Chart provided to set **BOTH**:
 - · the Channel, and then
 - · The Receiving or Transmitting option

NOTE: DIP Switch <u>5</u> is for Transmitting OR Receiving, please choose carefully.

D-Fi USB DIP Switch Channels





DMX Channel Assignments and Values DMX Charts

1-CH	2-CH	4-CH	Function	Value	Percent/Setting
1	1	1	Dimmer	000 <code-block> 25</code-block>	55 0–100%
	2		Strobe	000 👄 01	5 No function
	2		(when Ch. 3 is 000 ⇔ 031)	016 25	Strobe, slow to fast
	_	2	Program speed (when Ch. 3 is 032 ⇔ 223)	000 ⇔ 25	Program speed, slow to fast
_			Sound sensitivity	000 👄 01	Sound sensitivity off
			(when Ch. 3 is 224 ⇔ 255)	011 <code-block> 25</code-block>	Sound sensitivity, low to high
	-	3	Programs	000 👄 03	No function
				032 09	05 0-100%
				096 ⇔ 15	9 100–0%
_				160 22	3 100–0–100%
				224 24	Sound-active program 1
				241 25	Sound-active program 2
				000 👄 05	Dimmer speed set from the display
				052 ⇔ 10	Linear dimmer speed (off)
-	_	4		102 ⇔ 15	Dimmer speed mode 1 (fast)
				153 ⇔ 20	Dimmer speed mode 2 (medium)
					204 25



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.

Automatic Programs

To run the EVE P-100 WW with an automatic program, follow the instructions below.

- 1. Press <MENU> repeatedly until P-- shows on the display.
- 2. Press <ENTER>.
- Use <UP> or <DOWN> to select the desired program from P 1-3.
- 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-100 WW with a sound-active program, follow the instructions below.

- 1. Press <MENU> repeatedly until Snd shows on the display.
- 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).

Dimmer

To set the output intensity for standalone operation, follow the instructions below:

- 1. Press <MENU> repeatedly until U-- shows on the display.
- Press **<ENTER>**.
- 3. Use **<UP>** or **<DOWN>** to increase or decrease the intensity, from **d 0–255**.
- 4. Press <ENTER>.

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-100 WW 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-100 WW product (the "master") to control the actions of one or more EVE P-100 WW 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.
- Press <ENTER>.
- 3. Use **<UP>** or **<DOWN>** to set the starting address to **d** 1.
- Press <ENTER>.
- 5. Connect the DMX input of the first slave product to the DMX output of the master product.
- Connect the DMX input of the subsequent 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-100 WW product (the "master") to control the actions of one or more EVE P-100 WW 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.
- 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 Power	in inches are round	ed.				
Power Supply Type		Range		Volta	ge Selection	
Switching	(internal)	100 to 240 VAC, 50/60 Hz		Au	Auto-ranging	
Paran	neter	120 V, 60 Hz		23	230 V, 50 Hz	
Consur	nption	122	W		119 W	
Operating	Current	1.2	: A		0.5 A	
Power linking cu	rrent (products)	8 A (7 pr	oducts)	8 (1	4 products)	
Fus	se	T 2 A,	250 V	Т 2	2 A, 250 V	
Powe	r I/O	U.S./Wo	rldwide	UI	K/Europe	
Power input Power outpu Power ca Light Source	t connector	powerCON® powerCON® Edison	-compatible	powerC0	ON®-compatible ON®-compatible ocal Plug	
Type	Color	Quantity	Power	Current	Lifespan	
COB LED	Warm white	1	100 W	2.7 A	50,000 hours	
Photometrics						
CRI	Stro	be Rate	Lume	ens C	olor Temperature	
83	0 to	25 Hz	11,3	22	3500 K	
Lens	Beam Angle	Field A	Angle Illu	ıminance @ 2 m	Illuminance @ 5 m	
No lens	67°	89)°	2,532 lux	405 lux	
Lens 1	35°	58	3°	6,085 lux	974 lux	
Lens 2	65°	96	o°	2,050 lux	328 lux	
Thermal						
A4		0 11	^ '			

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

DMX

 ·		
I/O Connector	Channel Range	
3- and 5-pin XLR	1, 2 or 4	

Ordering

Product Name	Item Code	UPC Number
EVE P-100 WW	03031470	781462218188







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.