

# SHOCKER P2

User Manual



  
**CHAUVET** **2**

## Edition Notes

The Shocker P2 User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the Shocker P2 as of the release date of this edition.

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

### Intended Audience

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

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### Document Revision

Go to [www.chauvetdj.com](http://www.chauvetdj.com) for the latest version.

Revision	Date	Description
2	11/2024	Updated DMX chart

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# 1. Before You Begin

## What Is Included

- Shocker P2
- Power cable
- 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
<b>1–512</b>	A range of values
<b>50/60</b>	A set of values of which only one can be chosen
<b>Settings</b>	A menu option not to be modified
<b>&lt;ENTER&gt;</b>	A key to be pressed on the product’s control panel
<b>ON</b>	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 Shocker P2.

■ **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.
- ◆ Use a clamp with a captive bolt when a single hanging bracket is used.

- In the event of a serious operating problem, stop using immediately.

■ **DO NOT:**



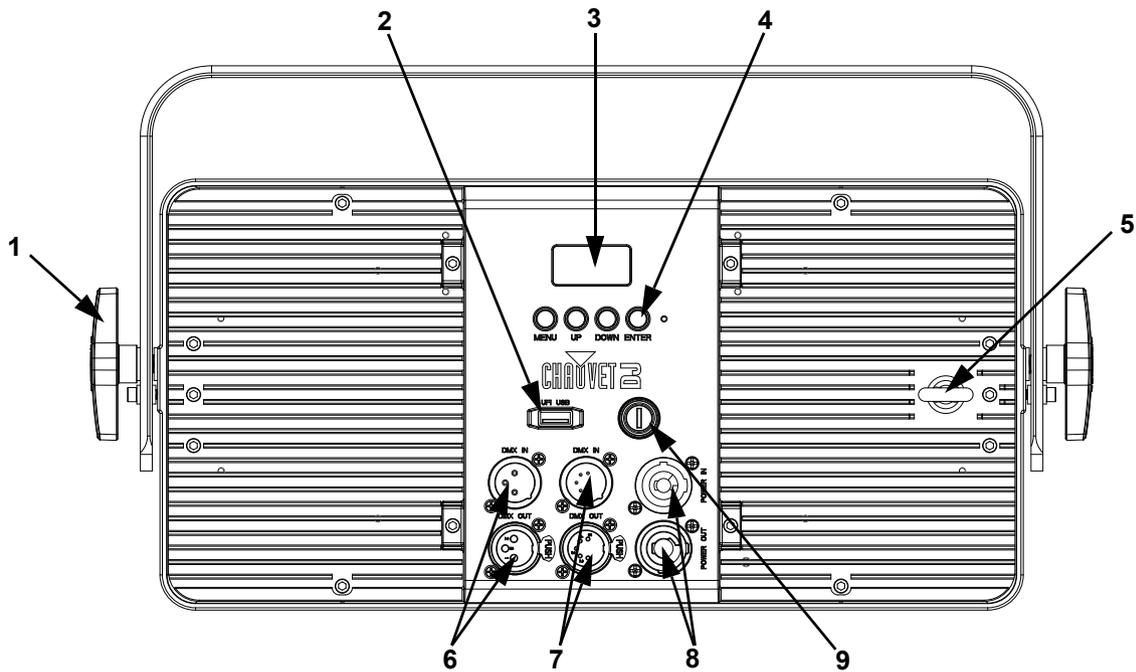
- ◆ Open this product or attempt any repairs. It contains no user-serviceable parts.
- ◆ Look at the light source when the product is on.
- ◆ Use if the power cord is crimped or damaged.
- ◆ Disconnect by pulling on the power cord.
- ◆ Allow flammable materials close to the product when it is operating.
- ◆ 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 cord.
- ◆ 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.
- ◆ Set this product on a flammable surface.



**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

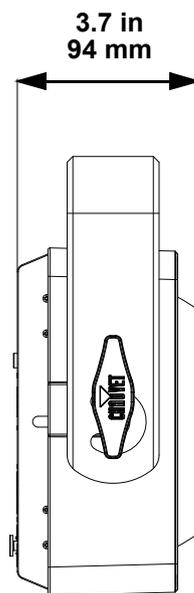
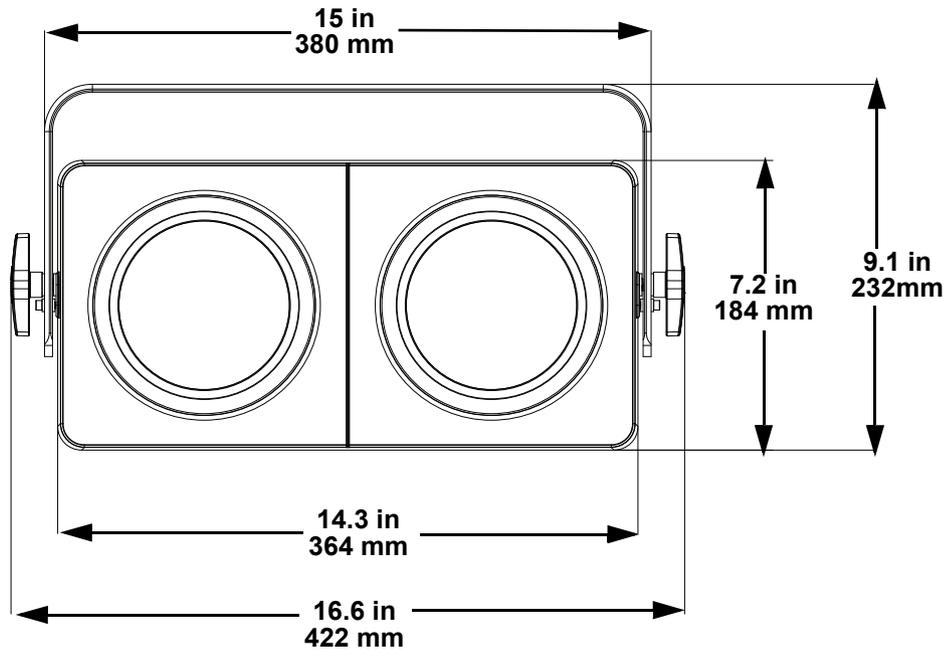


#	Name	#	Name
1	Bracket adjustment knob	6	3-pin DMX in/out
2	D-Fi USB Port	7	5-pin DMX in/out
3	LCD display	8	Power in/out
4	Menu buttons	9	Fuse holder
5	Safety cable loop		



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

Product Dimensions



### 3. Setup

#### AC Power

The Shocker P2 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. Wedge the tip of a flat-head screwdriver into the slot of the fuse holder.
3. Pry the fuse holder out of the housing.
4. Remove the blown fuse from the holder and replace with a fuse of the exact same type and rating.
5. Insert the fuse holder back in place and reconnect power.



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

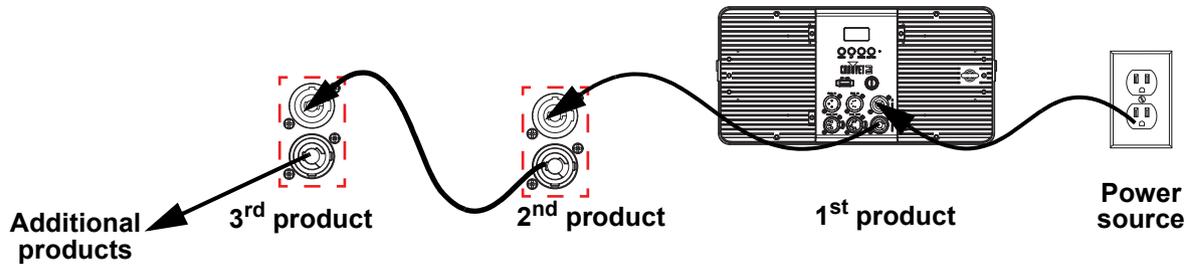


**Always replace a blown fuse with one of the same type and rating.**

### 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 12 Shocker P2 products on 120 VAC or up to 22 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](#).

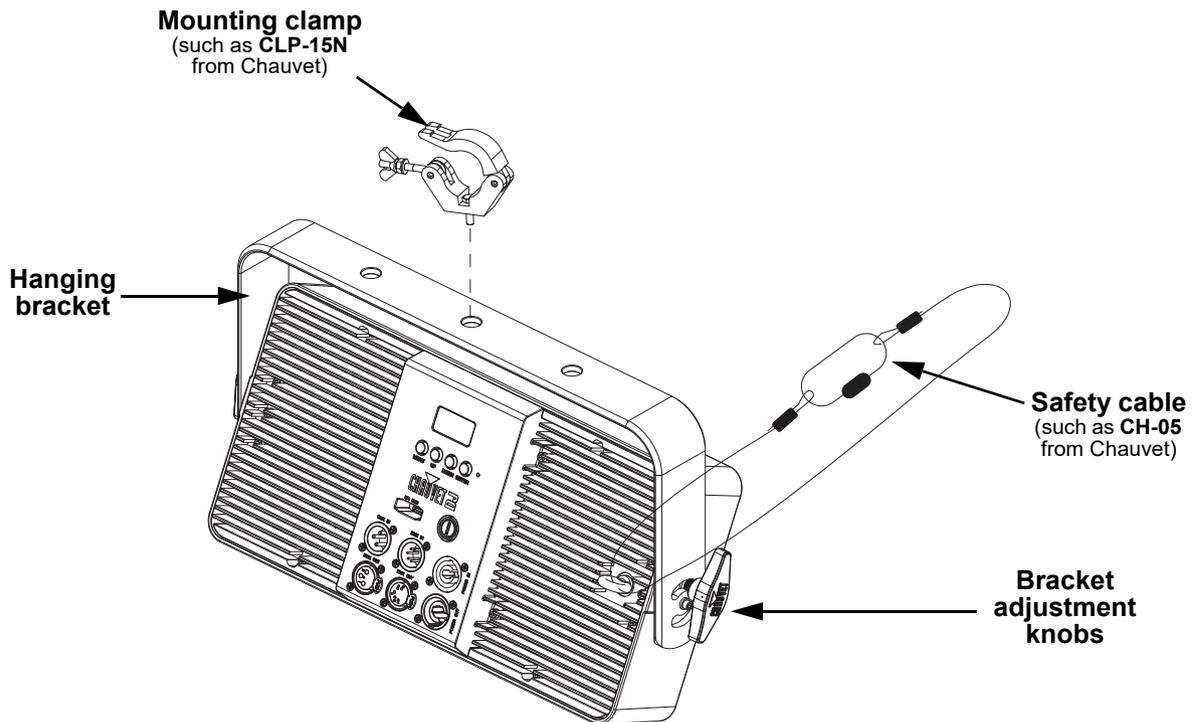
### Orientation

The Shocker P2 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 [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 Shocker P2 product page on [www.chauvetdj.com](http://www.chauvetdj.com) for the latest menu map and software.

Main Menu	Programming Levels	Description
DMX Address	001–493	Selects DMX starting address
DMX Channel	4 Ch	4-channel DMX mode
	7 Ch	7-channel DMX mode
	12 Ch	12-channel DMX mode
	20 Ch	20-channel DMX mode
Color Macros	Virtual Color Wheel	RED
		GREEN
		BLUE
		AMBER
		WARM WHITE
		YELLOW
		MAGENTA
		SUNSET
		CYAN
		LIME GREEN
		BRIGHT WHITE
		SOL
		SEAFOAM
		TURQUOISE
		ORANGE
		BABY BLUE
		HOT PINK
		EMERALD
		OCEAN
		BABY PINK
GOLDENROD		
SKY		
LAVENDER		
FADED ORANGE		
FUSCHIA		
AMBIENT		

Selects preset colors

Main Menu	Programming Levels		Description	
Color Macros (cont.)	Color Temperature	2800K	Selects preset color temperature	
		3000K		
		3200K		
		3500K		
		4000K		
		4500K		
		5000K		
		5600K		
		6000K		
		6500K		
		7000K		
		7500K		
		8000K		
		8500K		
	9000K			
	9500K			
	10000K			
	Manual Color Mixer	Red	000–255	Combines red, green, blue, amber, and white to make a custom color
Green				
Blue				
Amber				
White				
Auto Show	Auto 1–14	Dimmer	000–255	Adjusts auto show dimmer and the speed of auto programs
		Speed	001–100	
Sound Show	Sound 1–5		Selects sound show	
Sound Sensitivity	Sensitivity	000–100		Adjusts sound sensitivity
Master/ Slave	Master		Sets unit to either master or slave	
	Slave			
Slave Mode	Slave1		Sets which slave unit(s) will mimic the master unit	
	Slave2			
	Slave3			
	Slave4			
Dimmer Mode	Off		Linear dimmer	
	Dimmer 1		Dimming curves: <b>Dimmer 1</b> (fast) to <b>Dimmer 3</b> (slow)	
	Dimmer 2			
	Dimmer 3			

Main Menu	Programming Levels		Description	
<b>White Balance</b>	<b>Off</b>		Uses factory default white setting	
	<b>Manual</b>	<b>Red1</b>	<b>125–255</b>	Sets red 1 LED maximum value
		<b>Green1</b>		Sets green 1 LED maximum value
		<b>Blue1</b>		Sets blue 1 LED maximum value
		<b>Amber1</b>		Sets amber 1 LED maximum value
		<b>White1</b>		Sets white 1 LED maximum value
		<b>Red2</b>		Sets red 2 LED maximum value
		<b>Green2</b>		Sets green 2 LED maximum value
		<b>Blue2</b>		Sets blue 2 LED maximum value
		<b>Amber2</b>		Sets amber 2 1 LED maximum value
<b>White2</b>		Sets white 2 LED maximum value		
<b>Back Light</b>	<b>10S</b>		Turns off display backlight after 10 seconds of inactivity	
	<b>30S</b>		Turns off display backlight after 30 seconds of inactivity	
	<b>2Min</b>		Turns off display backlight after 2 minutes of inactivity	
	<b>Always On</b>		Display backlight remains on	
<b>Information</b>	<b>Fixture Hours &lt;_ _ _ _ H&gt;</b>		Displays the total hours the product has been powered on	
	<b>LED Hours &lt;_ _ _ _ H&gt;</b>		Displays the total LED hours	
	<b>Version &lt;V_ _ _ _ _&gt;</b>		Displays firmware version	
	<b>UID &lt;_ _ _ _ _&gt;</b>		Shows product UID	
<b>Temperature</b>	<b>LED1</b>	<b>_ _ °C</b>	Displays the product temperature in °C	
	<b>LED2</b>	<b>_ _ °C</b>		
<b>Upgrade Firmware</b>	<b>Only This Fixture</b>		Selects an update file for this product, or shows “No such file!”	
	<b>Multiple Fixture</b>		Selects an update file for this and connected Shocker P2 products, or shows “No such file!”	
	<b>Other Fixture Type</b>		Selects an update file for other connected products, or shows “No such file!”	
<b>Factory Reset</b>	<b>No</b>		Resets settings to factory default	
	<b>Yes</b>			

## DMX Configuration

The Shocker P2 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](http://chauvetlighting.com/downloads/DMX_Primer_rev05_WO.pdf).

### Personality and Starting Address

The Shocker P2 uses up to 20 DMX channels in the **20 Ch** DMX mode, which defines the highest configurable address to 493.

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](http://www.chauvetdj.com).

To select the personality and starting address, do the following:

1. Press **<MENU>** repeatedly until **4 Ch**, **7 Ch**, **12 Ch**, or **20 Ch** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select the starting address, from **001–493**.
4. Press **<ENTER>**.

### D-Fi USB Connectivity

The Shocker P2 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 Shocker P2.
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

Receiving						Receiving						Transmitting						Transmitting					
Ch.	1	2	3	4	T/R	Ch.	1	2	3	4	T/R	Ch.	1	2	3	4	T/R	Ch.	1	2	3	4	T/R
1	█	█	█	█	█	9	█	█	█	█	█	1	█	█	█	█	█	9	█	█	█	█	█
2	█	█	█	█	█	10	█	█	█	█	█	2	█	█	█	█	█	10	█	█	█	█	█
3	█	█	█	█	█	11	█	█	█	█	█	3	█	█	█	█	█	11	█	█	█	█	█
4	█	█	█	█	█	12	█	█	█	█	█	4	█	█	█	█	█	12	█	█	█	█	█
5	█	█	█	█	█	13	█	█	█	█	█	5	█	█	█	█	█	13	█	█	█	█	█
6	█	█	█	█	█	14	█	█	█	█	█	6	█	█	█	█	█	14	█	█	█	█	█
7	█	█	█	█	█	15	█	█	█	█	█	7	█	█	█	█	█	15	█	█	█	█	█
8	█	█	█	█	█	16	█	█	█	█	█	8	█	█	█	█	█	16	█	█	█	█	█

## DMX Charts

7Ch	12Ch	20Ch	Function	Value	Percent/Setting
1	1	1	Dimmer	000 ⇔ 255	0–100%
2	2	–	Red	000 ⇔ 255	0–100%
3	3	–	Green	000 ⇔ 255	0–100%
4	4	–	Blue	000 ⇔ 255	0–100%
5	5	–	Amber	000 ⇔ 255	0–100%
6	6	–	White	000 ⇔ 255	0–100%
–	–	2	Red 1	000 ⇔ 255	0–100%
–	–	3	Red 2	000 ⇔ 255	0–100%
–	–	4	Green 1	000 ⇔ 255	0–100%
–	–	5	Green 2	000 ⇔ 255	0–100%
–	–	6	Blue 1	000 ⇔ 255	0–100%
–	–	7	Blue 2	000 ⇔ 255	0–100%
–	–	8	Amber 1	000 ⇔ 255	0–100%
–	–	9	Amber 2	000 ⇔ 255	0–100%
–	–	10	White 1	000 ⇔ 255	0–100%
–	–	11	White 2	000 ⇔ 255	0–100%
7	7	–	Strobe	000 ⇔ 005	No function
				006 ⇔ 255	Strobe, slow to fast
–	–	12	Strobe 1	000 ⇔ 005	No function
				006 ⇔ 255	Strobe, slow to fast
–	–	13	Strobe 2	000 ⇔ 005	No function
				006 ⇔ 255	Strobe, slow to fast
–	8	–	Color macro	000 ⇔ 255	See <a href="#">Color Macro</a> chart
–	9	–	Color temperature	000 ⇔ 255	See <a href="#">Color Temperature</a> chart
–	–	14	Color macro (Zone 1)	000 ⇔ 255	See <a href="#">Color Macro</a> chart
–	–	15	Color temperature (Zone 1)	000 ⇔ 255	See <a href="#">Color Temperature</a> chart
–	–	16	Color macro (Zone 2)	000 ⇔ 255	See <a href="#">Color Macro</a> chart
–	–	17	Color temperature (Zone 2)	000 ⇔ 255	See <a href="#">Color Temperature</a> chart
				000 ⇔ 010	No function
				011 ⇔ 027	Auto program 1
				028 ⇔ 044	Auto program 2
				045 ⇔ 061	Auto program 3
				062 ⇔ 078	Auto program 4
				079 ⇔ 095	Auto program 5
				096 ⇔ 112	Auto program 6
				113 ⇔ 129	Auto program 7
				130 ⇔ 146	Auto program 8
				147 ⇔ 163	Auto program 9
				164 ⇔ 180	Auto program 10
				181 ⇔ 197	Auto program 11
				198 ⇔ 214	Auto program 12
				215 ⇔ 231	Auto program 13
				232 ⇔ 249	Auto program 14
				250 ⇔ 255	Sound show (program 3)
–	10	18	Auto show		

7Ch	12Ch	20Ch	Function	Value	Percent/Setting
-	11	19	<b>Auto speed</b> (When Ch. 10 or 18 is 011 ⇔ 249)	000 ⇔ 255	Auto program speed, slow to fast
			<b>Sound Sensitivity</b> (When Ch 10 or 18 is 250 ⇔ 255)	000 ⇔ 010 011 ⇔ 255	Disable sound sensitivity Sound sensitivity, low to high
-	12	20	<b>Control</b>	000 ⇔ 007	No function
				008 ⇔ 015	Dimmer speed mode off
				016 ⇔ 023	Dimmer speed mode 1
				024 ⇔ 031	Dimmer speed mode 2
				032 ⇔ 039	Dimmer speed mode 3
				040 ⇔ 047	Master
				048 ⇔ 055	Slave mode: slave 1
				056 ⇔ 063	Slave mode: slave 2
				064 ⇔ 071	Slave mode: slave 3
				072 ⇔ 079	Slave mode: slave 4
080 ⇔ 255	No function				

4Ch	Function	Value	Percent/Setting
1	<b>Dimmer</b>	000 ⇔ 255	0–100%
2	<b>Color macro</b>	000 ⇔ 255	See <a href="#">Color Macro</a> chart
3	<b>Color temperature</b>	000 ⇔ 255	See <a href="#">Color Temperature</a> chart
4	<b>Strobe</b>	000 ⇔ 005	No function
		006 ⇔ 255	Strobe, slow to fast

**Color Macro**

DMX Value	Color	DMX Value	Color
000 ⇔ 005	No function	116 ⇔ 121	Orange
006 ⇔ 013	Red	122 ⇔ 130	Baby blue
014 ⇔ 021	Green	131 ⇔ 138	Hot pink
022 ⇔ 028	Blue	139 ⇔ 146	Emerald
029 ⇔ 035	Amber	147 ⇔ 154	Ocean
036 ⇔ 043	Warm white	155 ⇔ 162	Baby pink
044 ⇔ 051	Yellow	163 ⇔ 170	Golden rod
052 ⇔ 059	Magenta	171 ⇔ 178	Sky
060 ⇔ 067	Sunset	179 ⇔ 186	Lavender
068 ⇔ 075	Cyan	187 ⇔ 194	Faded orange
076 ⇔ 083	Lime green	195 ⇔ 202	Fuchsia
084 ⇔ 091	Bright white	203 ⇔ 210	Ambient
092 ⇔ 099	Sol	211 ⇔ 250	Reserved for future use
100 ⇔ 107	Sea foam	251 ⇔ 255	No function
108 ⇔ 115	Turquoise		

**Color Temperature**

DMX Value	Temperature	DMX Value	Temperature
000 ⇔ 005	No function	132 ⇔ 145	6500K
006 ⇔ 019	2800K	146 ⇔ 159	7000K
020 ⇔ 033	3000K	160 ⇔ 173	7500K
034 ⇔ 047	3200K	174 ⇔ 187	8000K
048 ⇔ 061	3500K	188 ⇔ 201	8500K
062 ⇔ 075	4000K	202 ⇔ 215	9000K
076 ⇔ 089	4500K	216 ⇔ 229	9500K
090 ⇔ 103	5000K	230 ⇔ 243	10000K
104 ⇔ 117	5600K	244 ⇔ 255	No function
118 ⇔ 131	6000K		

### 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.**

### Color Macros

#### Virtual Color Wheel

To run the Shocker P2 with a virtual color wheel, follow the instructions below.

1. Press **<MENU>** repeatedly until **Color Macros** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Virtual Color Wheel**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select from **RED, GREEN, BLUE, AMBER, WARM WHITE, YELLOW, MAGENTA, SUNSET, CYAN, LIME, GREEN, BRIGHT WHITE, SOL, SEAFOAM, TURQUOISE, ORANGE, BABY BLUE, HOT PINK, EMERALD, OCEAN, BABY PINK, GOLDENROD, SKY, LAVENDER, FADED, ORANGE, FUSCHIA, or AMBIENT**.

#### Color Temperature

To run the Shocker P2 with a preset color temperature, follow the instructions below.

1. Press **<MENU>** repeatedly until **Color Macros** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Color Temperature**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select from **2800K, 3000K, 3200K, 3500K, 4000K, 4500K, 5000K, 5600K, 6000K, 6500K, 7000K, 7500K, 8000K, 8500K, 9000K, 9500K, or 10000K**.

#### Manual Color Mixer

To combine colors with a manual color mixer, follow the instructions below.

1. Press **<MENU>** repeatedly until **Color Macros** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Manual Color Mixer**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select from **Red, Green, Blue, Amber, or White**.
6. Press **<ENTER>**.
7. Use **<UP>** or **<DOWN>** to increase or decrease the value, from **000–255**.
8. Press **<ENTER>**.

#### Auto Show

To run the Shocker P2 with an auto program, do the following:

1. Press **<MENU>** repeatedly until **Auto Show** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select an auto program, from **Auto 1–14**.
4. Press **<ENTER>**.

#### Auto Program Dimmer

To adjust the dimmer on an auto program, do the following:

1. Press **<MENU>** repeatedly until **Auto Show** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select an auto program, from **Auto 1–14**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select **Dimmer**.
6. Press **<ENTER>**.
7. Use **<UP>** or **<DOWN>** to adjust the dimmer value, from **000–255**.
8. Press **<ENTER>**.

### Auto Program Speed

To adjust the speed on an auto program, do the following:

1. Press **<MENU>** repeatedly until **Auto Show** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select an auto program, from **Auto 1–14**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select **Speed**.
6. Press **<ENTER>**.
7. Use **<UP>** or **<DOWN>** to adjust the dimmer value, from **001–100**.
8. Press **<ENTER>**.

### Sound Show

To run the Shocker P2 with a sound show, do the following:

1. Press **<MENU>** repeatedly until **Sound Show** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select a sound show, from **Sound 1–5**.
4. Press **<ENTER>**.

### Sound Sensitivity

To adjust the sound sensitivity on the Shocker P2, do the following:

1. Press **<MENU>** repeatedly until **Sound Sensitivity** shows on the display.
2. Press **<ENTER>**.
3. Select **Sensitivity**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select a sound show, from **000–100**.
6. Press **<ENTER>**.



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

### Dimmer Mode

To run the Shocker P2 with a sound show, do the following:

1. Press **<MENU>** repeatedly until **Dimmer Mode** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select a dimmer mode, from **Dimmer 1–3**.
4. Press **<ENTER>**.

### White Balance

To adjust the white balance on the Shocker P2, do the following:

1. Press **<MENU>** repeatedly until **White Balance** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Manual**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select from **Red1, Green1, Blue1, Amber1, White1, Red2, Green2, Blue2, Amber2, or White2**.
6. Press **<ENTER>**.
7. Use **<UP>** or **<DOWN>** to select a value, from **125–255**.
8. Press **<ENTER>**.

To set the Shocker P2 to factory default white setting, do the following:

1. Press **<MENU>** repeatedly until **White Balance** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Off**.
4. Press **<ENTER>**.

## Operation

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### Back Light

To set the back light timing on the Shocker P2, do the following:

1. Press **<MENU>** repeatedly until **Back Light** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **10S** (Turns of display light after 10 seconds of inactivity), **30S** (Turns of display light after 30 seconds of inactivity), **2Min** (Turns of display light after 2 minutes of inactivity), **Always On** (display back light remains on).
4. Press **<ENTER>**.

### Information

To view information on the Shocker P2, do the following:

1. Press **<MENU>** repeatedly until **Information** shows on the display.
2. Press **<ENTER>**.

### Temperature

To view the temperature on the Shocker P2, do the following:

1. Press **<MENU>** repeatedly until **Temperature** shows on the display.
2. Press **<ENTER>**.

### Upgrade Firmware

To update the firmware on the Shocker P2, do the following:

1. Press **<MENU>** repeatedly until **Upgrade Firmware** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **Only this Fixture** (selects an update file for this product, or shows "No such file!"), **Multiple Fixture** (Selects an update file for this and connected Shocker P2 products, or shows "No such file!"), or **Other Fixture Type** (selects an update file for other connected products, or shows "No such file!").
4. Press **<ENTER>**.

### Factory Reset

To set the back light timing on the Shocker P2, do the following:

1. Press **<MENU>** repeatedly until **Factory Reset** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **No** (Maintains current settings) or **Yes** (resets settings to factory default).
4. Press **<ENTER>**.

## Master/Slave Mode

The Master/Slave mode allows a single Shocker P2 product (the “master”) to control the actions of one or more Shocker P2 products (the “slaves”) without the need of a DMX controller. The master product will be set to operate in either standalone mode, whereas 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.

### Wired Master/Slave Mode

Configure the products as indicated below.

#### Slave products:

1. Press **<MENU>**.
2. Use **<UP>** or **<DOWN>** to select **Run Mode**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to select **Slave**.
5. Press **<ENTER>**.
6. Use **<UP>** or **<DOWN>** to select from **Slave1**, **Slave2**, **Slave3**, or **Slave4**.
  - Select **Slave1** for 100% synchronized actions.
  - Select **Slave2**, **Slave3**, and/or **Slave4** for delayed actions, creating a wave effect.
7. Press **<ENTER>**.
8. Connect the DMX input of the first slave product to the DMX output of the master product.
9. Connect the DMX input of the subsequent slave products to the DMX output of the previous slave product.
10. 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.**

### D-Fi USB Master/Slave Mode

The D-Fi USB allows a single Shocker P2 product (the “master”) to control the actions of one or more Shocker P2 products (the “slaves”) without the need of a DMX controller or DMX cables. The master (transmitter) product will be set to operate in either standalone mode or with the footswitch, 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 **20Ch** shows on the display.
2. Press **<ENTER>** to accept.
3. Set the DMX address to **001**.
4. Set D-Fi USB to receive on a specific channel, 1–16 (use the [D-Fi USB DIP Switch Channels](#) image for help).
5. Plug in the D-Fi USB.
6. Finish setting and connecting all the slave products.

#### Master product:

1. Press **<MENU>** repeatedly until the DMX personality the slaves are set to show on the display.
2. Press **<ENTER>** to accept.
3. Set the DMX address to **001**.
4. Set the master to operate in either Automatic or Sound-Active mode.
5. Set the D-Fi USB transmit on the D-Fi channel the slaves are receiving on (use the [D-Fi USB DIP Switch Channels](#) image for help).
6. 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
16.6 in (422 mm)	3.8 in (98 mm)	9.1 in (232 mm)	8.2 lb (3.7 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	120 W	118 W
Operating Current	1 A	0.5 A
Power linking current (products)	12 A (12 products)	12 A (22 products)
Fuse	T2AL, 250 V	T2AL, 250 V
Power I/O	U.S./Worldwide	UK/Europe
Power input connector	IEC	IEC
Power output connector	Edison	IEC
Power cable plug	Edison (U.S.)	Local Plug

### Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	RGBA + WW	2	130 W	2.8 A	50,000 hours

### Photometrics

Strobe Rate	Beam Angle	Field Angle	Illuminance @ 2m
0 to 20 Hz	62°	105°	1,300 lux

### Thermal

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

### DMX

I/O Connector	Channel Range
3-pin and 5-Pin XLR	4, 7, 12, or 20 Ch

### Ordering

Product Name	Item Code	UPC Number
Shocker P2	03032302	781462226503



UL 1573  
CSA C22.2 No. 166  
E113093



RoHS



## 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](http://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](http://www.chauvetlighting.eu/warranty-registration).