

WELL PANEL

WIRELESS EVENT LED LUMINAIRE

User Manual



Model ID: WELLPANEL

CHAUVET
PROFESSIONAL

Edition Notes

The WELL Panel User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the WELL Panel 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.chauvetprofessional.com for the latest version.

Revision	Date	Description
4	12/2023	Updated UM format / removed IR references

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Before You Begin

1. Before You Begin

What Is Included

- WELL Panel
- Seetronic Powerkon IP65 power cable
- Color-blending filter lens
- Omega bracket with mounting hardware
- Quick Reference Guide

Claims

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

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

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

Manual Conventions

Convention	Meaning
1–512	A range of values
50/60	A set of values of which only one can be chosen
<SET>	A button on the product's control panel
Settings	A product function or a menu option

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.



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



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

Safety Notes

Read all the following safety notes before working with this product. These notes contain important information about the installation, usage, and maintenance of this product.



This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained, certified technicians. Do not open the housing or attempt any repairs.



All applicable local codes and regulations apply to proper installation of this product.

- The luminaire is intended for professional use only.
- The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 7.6 ft (2.3 m) is not expected.
- If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or its service agent.
- The light source contained in this luminaire shall only be replaced by the manufacturer or its service agent or a similar qualified person.
- **CAUTION:**
 - This product's housing may be hot when operating. Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
 - When transferring the product from extreme temperature environments, (e.g., cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow the product to fully acclimate to the surrounding environment before connecting it to power.
- **ALWAYS:**
 - Disconnect from power before cleaning the product or replacing the fuse.
 - When using an IP65-rated product in an outdoor environment, use IP65- (or higher) rated power and data cable.
 - Replace and secure IP-rated protective covers to all power, data, USB, or other ports when not in use.
 - Replace the fuse with the same type and rating.
 - Use a safety cable when mounting this product overhead.
 - Connect this product to a grounded and protected circuit.
- **DO NOT:**
 - Open this product. It contains no user-serviceable parts.
 - Look at the light source when the product is on.
 - Leave any flammable material within 50 cm of this product while operating or connected to power.
 - Connect this product to a dimmer or rheostat.
 - Operate this product if the housing, lenses, or cables appear damaged.
 - Submerge this product (adhere to standards for the published IP rating). Regular outdoor operation is fine.
 - Permanently install outdoors in locations with extreme environmental conditions. This includes, but is not limited to:
 - Exposure to a marine/saline environment (within 3 miles of a saltwater body of water).
 - Locations where normal temperatures exceed the temperature ranges in this manual.
 - Locations that are prone to flooding or being buried in snow.
 - Other areas where the product will be subject to extreme radiation or caustic substances.
 - Use for space-heating purposes.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at higher temperatures.
- The minimum startup temperature is -4°F (-20°C). Do not start the product at lower temperatures.
- The minimum ambient temperature is -22°F (-30°C). Do not operate the product at lower temperatures.
- To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.
- In the event of a serious operating problem, stop using immediately.



If a Chauvet product requires service, contact Chauvet Technical Support.

Before You Begin

Battery Charge Notes

Rechargeable lithium-ion batteries are potentially hazardous and can present a serious FIRE HAZARD, SERIOUS INJURY, and/or PROPERTY DAMAGE if damaged, defective, or improperly used.



- **ALWAYS:**
 - Charge using a manufacturer-provided charger while the product is powered off.
 - Charge the battery in temperatures between 32°–95°F (0°–35°C).
 - Allow a depleted battery to charge for a few minutes before turning on the product. If the battery is completely discharged, the device cannot be turned on immediately when the charger is connected.
 - Keep at least 3 ft (1 m) distance to any heat source and away from flammable materials.
 - Keep the lid of any charging case open while charging.
 - Keep batteries away from children.
 - Store batteries between 40–60% charge.
 - Follow local regulations when disposing of batteries.
 - Replace with an authentic Chauvet battery.
- **DO NOT:**
 - Continue charging if the battery becomes hot, smokes, swells, or gives off an odor during charging.
 - Leave the product unattended while charging.
 - Deplete the battery below 10%.
 - Charge the battery in a closed container.
 - Charge for more than 24 hours.

Storage Notes

Follow the instructions below when storing the WELL Panel:

- Store charged product(s) in a dry environment, away from direct sunlight.
- Charge or discharge the battery to approximately 50% of capacity before storage.
- Lithium-ion batteries continue to slowly discharge (self-discharge) when not in use or while in storage. Routinely check the battery's charge status.
- Store the battery at temperatures between 41 °F and 68 °F (5 °C and 20 °C).

FCC Compliance

This device complies with Part 15 Part B of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Warning for North America and Australia

Warning! This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and the user. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Expected LED Lifespan

LEDs gradually decline in brightness over time, primarily because of heat. LEDs that are arranged in clusters experience higher operating temperatures than single LEDs. For this reason, operating clustered LEDs at their fullest intensity significantly reduces the LEDs' lifespan. Under normal conditions, this lifespan is 40,000 to 50,000 hours. If extending this lifespan is vital, lower the operating temperature by improving the ventilation around the product, thus reducing the ambient temperature. In addition, limiting the overall projection intensity may extend the LEDs' lifespan.

2. Introduction

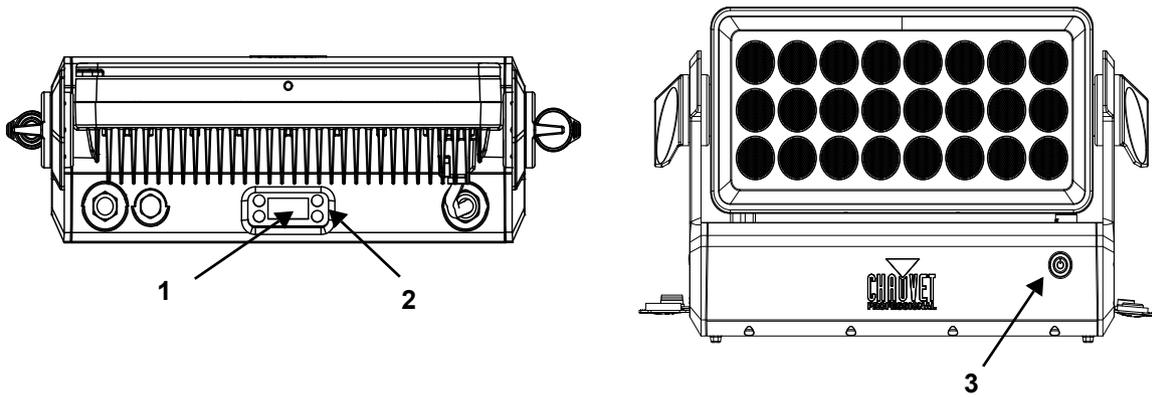
Description

The WELL Panel is a completely wireless, IP65-rated, battery-powered RGBW LED fixture that can be controlled via W-DMX, DMX, or manually from the control panel. The WELL Panel comes with color-blending filter lens for an even diffused light and Omega brackets for easy mounting. Its 170° rotation of the panel from the base allows for easy control of direction of light. Selectable PWM, red shift, and dimmer settings ensure the WELL Panel is always camera-ready.

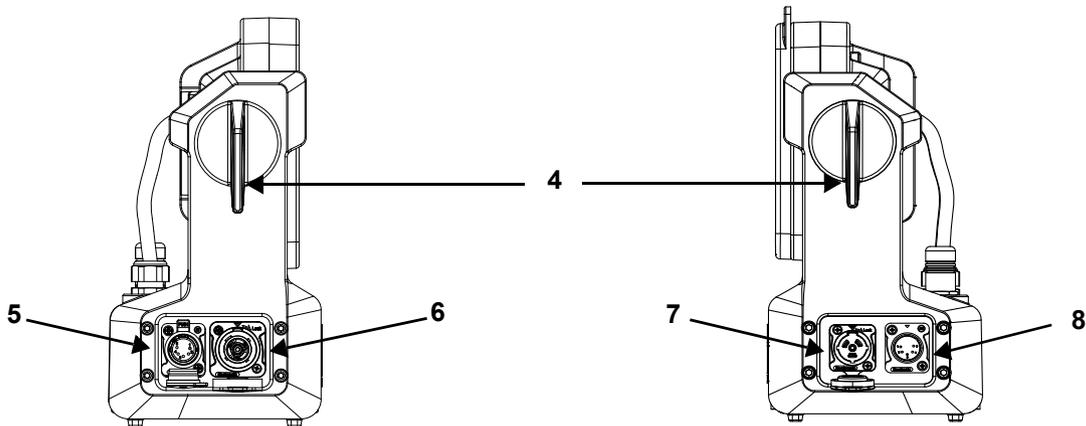
Features

- Operating modes:
 - 4Ch: RGBW control
 - 8Ch: dimmer, RGBW control, strobe, red shift
 - 12Ch: 3-zone RGBW
 - 13Ch: dimmer, RGBW control, strobe, color macros, color temperature, auto programs, auto speed, dimmer speed mode, red shift
 - 21Ch: 16-bit dimmer, 3-zone RGBW, strobe, color macros, color temperature, auto programs, auto speed, dimmer speed mode, red shift
- A completely wireless, IP65-rated, battery powered fixture with 24-quad color (red, green, blue, and warm white) LED that is controlled by W-DMX, DMX, or control panel
- High CRI value of 90+ across different color temperatures of white
- Selectable Red Shift emulation over DMX and from the fixture display
- Selectable PWM settings
- Selectable dimming speed and curves
- Built-in color temperature presets
- RDM control over DMX for fixture setup and reporting
- Line voltage input allows fixture to operate while being charged
- Built-in power loss detection when operating under line voltage
- Wireless operation with W-DMX and wired DMX operation
- Magnetic color-blending diffuser filter lens included for wider light coverage
- Omega bracket included for easy hanging options
- User-selectable hours of operation (3, 5, 8, or 12 hours) at full output with a recharge time of 4 hours
- Built-in automated programs recallable manually, or by W-DMX or DMX
- 170° rotation of the panel from the base for easy direction of light
- IP65 rating for temporary outdoor stage
- Accessory filter package with 10 x 60 and 40R60 sold separately.

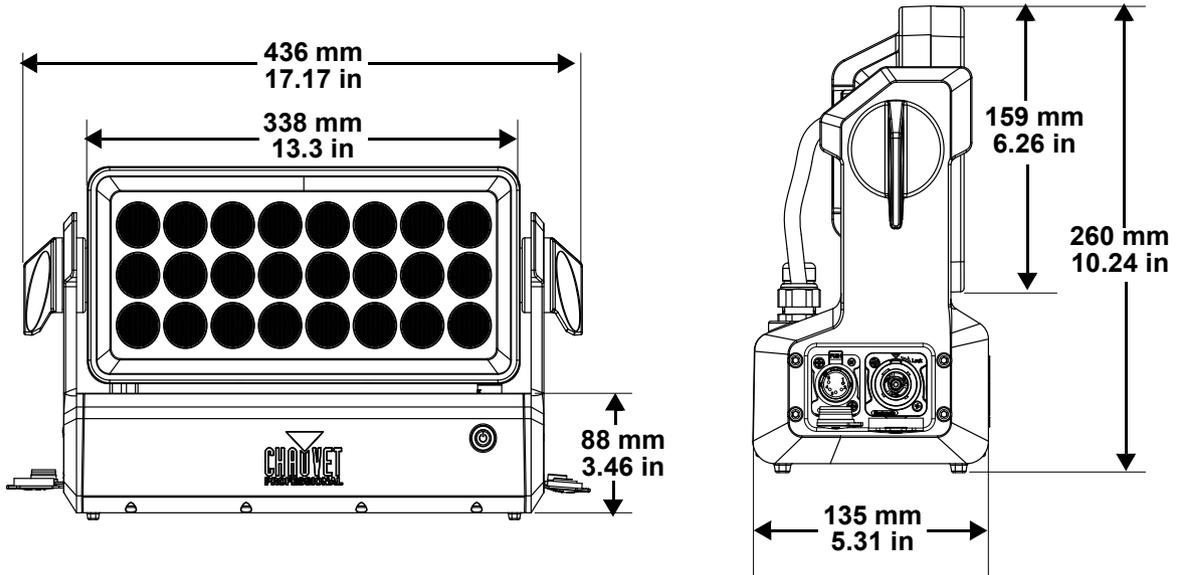
Product Overview



#	Name
1	Display
2	Menu buttons
3	Power buttons
4	Tilt adjustment knobs
5	DMX out
6	Power out
7	Power in
8	DMX in



Product Dimensions



3. Setup

AC Power

Each WELL Panel has an auto-ranging power supply, and it can work with an input voltage range of 100 to 240 VAC, 50/60 Hz.

To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.



- **Always connect the product to a protected circuit (a circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**



Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

AC Plug

The WELL Panel comes with a power input cable terminated with a Seetronic Powerkon IP65 connector on one end and an Edison plug on the other end (U.S. market). Use the table below to wire a plug.

Connection	Wire (U.S.)	Wire (Europe)	Screw Color
AC Live	Black	Brown	Yellow or Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green

Power Linking

It is possible to power link WELL Panel products. See the table below for the current draw at each voltage and frequency:

	100 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	240 V, 50 Hz
Current Draw	1.486 A	1.229 A	0.700 A	0.634 A	0.615 A

Never exceed 12A on a single circuit. Power-linking cables can be purchased separately.

DMX Linking

The WELL Panel can link to a DMX controller using a WDMX connection. If using other DMX-compatible products with this product, it is possible to control each individually with a single DMX controller.

DMX Personalities

The WELL Panel uses a wireless DMX data connection for the **4Ch**, **8Ch**, **12Ch**, **13Ch**, and **21Ch** DMX personalities.

- Refer to the [Introduction](#) chapter for a brief description of each DMX personality.
- Refer to the [Operation](#) chapter to learn how to configure the WELL Panel to work in these personalities.
- The [DMX Values](#) section provides detailed information regarding the control personalities.



For more information about DMX standards or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website: www.chauvetprofessional.com.

Wireless Operation

In optimal conditions, the WELL Panel can operate up to 300 m (900 ft) away from the W-DMX TRX transmitter. The W-DMX receiver in the WELL Panel must be paired with the W-DMX TRX transmitter for wireless operation.



Once a WDMX receiver has been linked to a specific WDMX TRX transmitter, it will remain linked to that specific transmitter until it is linked to a different one.

Initial Setup

1. Turn the W-DMX TRX transmitter on.
2. Connect the W-DMX TRX transmitter to a DMX controller.
3. Place the WELL Panel within 300 m from the W-DMX TRX transmitter.
4. Turn the WELL Panel on.

Configuration

1. From the WELL Panel control panel, go to **DMX Address**.
2. Select the start address, as with any other DMX compatible product.
3. Go to **Wireless Setting > Operating Mode**.
4. Select **Receive**.
5. Go to **Wireless Setting > W-DMX On/Off**.
6. Select **On**. (The Signal Strength Indicator will show a ? in front of the bars).
7. Press the reset button on the W-DMX transmitter. (The Signal Strength Indicator on the WELL Panel will show a ⚡ in front of the bars for 3 seconds while a connection is established.)

Product Pairing

If the WELL Panel has already been paired with the W-DMX TRX transmitter, the Signal Strength Indicator in the middle of the LCD screen will show the strength of the signal. In this case, the WELL Panel is ready to work in Wireless mode.

To pair the WELL Panel with a new W-DMX transmitter:

1. From the WELL Panel control panel, go to **Wireless Setting > Receive Reset**.
2. Select **Yes**. The Signal Strength Indicator on the WELL Panel will show a ? in front of the bars.
3. From the W-DMX transmitter, press **<RESET>** (the Signal Indicator on the transmitter will flash).
4. Once the transmitter has found the WELL Panel, the Signal indicator on the W-DMX transmitter will illuminate solid.
5. The Signal Strength Indicator in the middle of the LCD screen on the WELL Panel will show the strength of the signal.



W-DMX operation can be interrupted or inhibited by liquid masses between the transmitter and receiver such as water, snow, or people. For best results, keep the area between the transmitter and receiver clear of any liquid mass.

Color Blending Filter Lens

The color-blending filter lens produces a very even light that is soft at the edges. Attach the color-blending filter lens easily with the built-in magnets.

Master/Slave Connectivity

The Master/Slave mode allows a WELL Panel (the master) to control one or more WELL Panel products (the slaves) without a DMX controller. One WELL Panel becomes the master when running an auto program, or by being in Static mode.

Configure each slave's control panel to operate in Slave mode. During Master/Slave operation, the slaves will operate in unison with the master.



DO NOT connect a DMX controller to products operating in Master/Slave mode. The DMX controller signals may interfere with the signals from the master.



- The [Operation](#) section of this manual provides detailed instructions on how to configure the master and slaves.
- For more information about DMX standards or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website.

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the [Safety Notes](#). For the Chauvet Professional line of mounting clamps, go to <http://trusst.com/products/>.

Orientation

Always mount this product in a safe position, making sure there is adequate room for ventilation, configuration, and maintenance.

Rigging

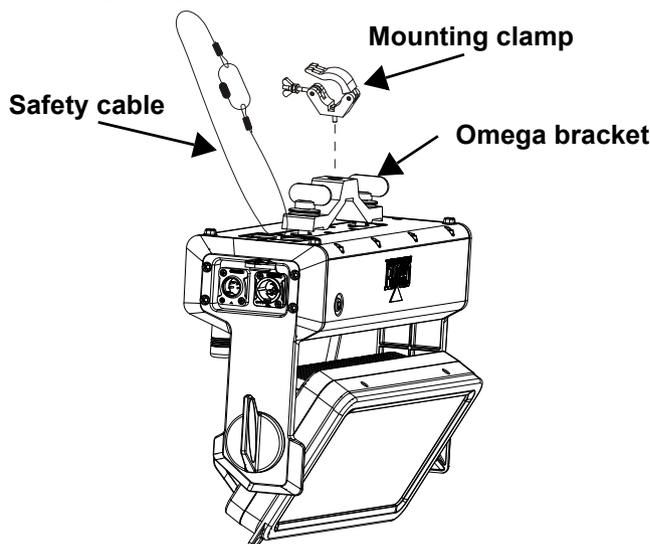
Chauvet recommends using the following general guidelines when mounting this product.

- Before deciding on a location, always make sure there is easy access to the product for maintenance and programming.
- Make sure the structure and attachment points can support the weight before hanging the product. See the [Technical Specifications](#).
- 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.

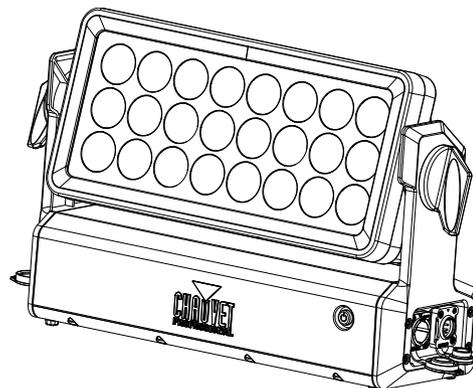
Procedure

The WELL Panel comes with a bracket to which mounting clamp can be attached directly. Mounting clamps are sold separately. Make sure the clamps are capable of supporting the weight of this product. Use at least one mounting point per product. For the Chauvet Professional line of mounting clamps, go to <http://www.trusst.com/products>.

Mounting Diagram



Overhead Mounting



Floor Mounting

4. Operation

Control Panel Operation

Button	Function
<MENU>	Exits from the current menu or function
<ENTER>	Enables the currently displayed menu or sets the currently selected value in to the current function
<UP>	Navigates upward through the menu list or increases the numeric value when in a function
<DOWN>	Navigates downward through the menu list or decreases the numeric value when in a function

Control Options

Set the WELL Panel starting address in the 001–512 DMX range. This enables control of up to 21 products in the 21-channel personality.

Programming

Refer to the Menu Map to understand the menu options. The menu map shows the main level and a variable number of programming levels for each option.

- To go to the desired main level, press <MENU> repeatedly until the option shows on the display. Press <ENTER> to select. This will show the first programming level for that option.
- To select an option or value within the current programming level, press <UP> or <DOWN> until the option shows on the display. Press <ENTER> to select. This will show the selected value or the first option of the programming level.
- Press <MENU> repeatedly to exit to the previous main level.

Control Panel Lock

The setting locks or unlocks the control panel.

1. Go to the **Key Lock** main level.
2. Select **On** (locks control panel) or **Off** (control panel stays unlocked).



When the control panel lock is activated, the product will prompt for the passcode in order to access the menu. To enter the passcode, press: <UP>, <DOWN>, <UP>, <DOWN>, <ENTER>.

Menu Map

Main Level	Programming Levels		Description		
DMX Address	001–509		Selects DMX address (highest channel restricted to personality chosen)		
DMX Channel	4 Ch		4-channel: RGBW		
	8 Ch		8-channel: 16-bit dimmer, RGBW, strobe, red shift		
	12 Ch		12-channel: 3-zone RGBW		
	13 Ch		13-channel: 16-bit dimmer, RGBW, strobe, color macro, color temperature, auto program, auto speed, dimmer speed, red shift		
	21 Ch		21-channel: 16-bit dimmer, 3-zone RGBW, strobe, color macro, color temperature, auto program, auto speed, dimmer speed, red shift		
Static	Fixed Color	R	Dimmer 000–255	Red	
		G		Green	
		B		Blue	
		W		White	
		GB		Green and blue	
		RB		Red and blue	
		RG		Red and green	
		RGB		Red, green, and blue	
		RW		Red and white	
		GW		Green and white	
		BW		Blue and white	
		RGW		Red, green, and white	
		RBW		Red, blue, and white	
		GBW		Green, blue, and white	
	RGBW	Red, green, blue, and white			
	Color Temperature		2800K	Dimmer 000–255	Preset white color temperatures. Emulates a tungsten lamp at the specified color temperature.
			3200K		
			3500K		
			4000K		
			4500K		
			5000K		
			5600K		
			6000K		
	Manual Color Mixer		Red	000–255	Combine red, green, blue, and white to make a custom color temperature
			Green		
			Blue		
			White		
Auto Show	Auto 1–9	001–100	Selects automatic programs and program speed		
Red Shift	On		Turns on or off Red Shift (amber LEDs imitate lamp when dimming)		
	Off				
Master/Slave	Master		DMX mode (Master)		
	Slave		Slave mode		
Dimmer Mode	Off		Linear dimmer		
	Dimmer 1–3		Dimming curves Dimmer 1 (fast) to Dimmer 3 (slow)		

Main Level	Programming Levels		Description	
Dimmer Curve	Linear		Liner dimmer	
	Square		Square curve dimmer	
	I Squa		Reverse square curve dimmer	
	Scurve		S curve dimmer	
White Balance	Off		Uses factory default white setting	
	Manual	Red	125–255	Sets red LED maximum value
		Green		Sets green LED maximum value
		Blue		Sets blue LED maximum value
		White		Sets white LED maximum value
LED Frequency	600Hz		Sets the PWM frequency	
	1200Hz			
	2000Hz			
	4000Hz			
	6000Hz			
	25KHz			
Wireless Setting	Receive On/Off	On	Enables/disables wireless DMX	
		Off		
	Receive Reset	No	Resets wireless receiver	
		Yes		
Line Voltage Power Loss Mode	Stay In State		If line power is lost, the fixture will continue to function as programmed under battery power (default)	
	All At Full		After 5 seconds of line power loss, all LEDs will go to full power (returns to normal operation when line power is restored)	
	Dim Out		After 5 seconds of line power loss, the LEDs will dim in a 10 second fade to black (returns to normal operation when line power is restored)	
Run Time	Off		Maximum intensity for all LEDs	
	3 Hours		Reduced intensity, limiting battery run time to 3 hours	
	5 Hours		Reduced intensity, limiting battery run time to 5 hours	
	8 Hours		Reduced intensity, limiting battery run time to 8 hours	
	12 Hours		Extends battery to the maximum run time of 12 hours	
Back Light	10S		Turns off display backlight after 10 seconds of inactivity	
	30S		Turns off display backlight after 30 seconds of inactivity	
	2Min		Turns off display backlight after 2 minutes of inactivity	
	Always On		Display backlight always on	
Key Lock	On		Locks display (password is <UP>, <DOWN>, <UP>, <DOWN>, <ENTER>)	
	Off			
Information	Fixture Hours	<_ _ _ _ H>	Shows total hours the product has been powered on	
	Version	<V _ _ >	Shows current firmware version	
	UID	<_ _ _ _ _ >	Shows product UID	
Factory Reset	No		Resets the product to factory default settings	
	Yes			

DMX Configuration

Use control configurations to operate the product with a DMX controller. For information on how to configure wireless DMX, see [Wireless Operation](#).

Control Personalities

This setting allows you to choose a particular control personality.

1. Go to the **DMX Channel** main level.
2. Select the desired personality, from **4 Ch**, **8 Ch**, **12 Ch**, **13 Ch**, or **21 Ch**.



- See the [Starting Address](#) section for the highest starting address available for each personality.
- Make sure that the starting addresses on the various products do not overlap due to the new personality setting.

Starting Address

Each product will respond to a unique starting address from the DMX controller. All products with the same starting address will respond in unison. To set the starting address:

1. Go to the **DMX Address** main level.
2. Select the starting address (**001–510**).

Personality	Highest Address
21Ch	492
13Ch	500
12Ch	501
8Ch	505
4Ch	509

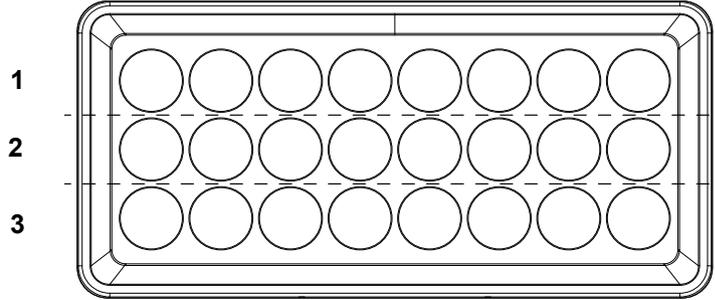
Color Temperature Chart

DMX Value	Display Readout
000 ⇔ 005	--
006 ⇔ 025	2800K
026 ⇔ 050	3200K
051 ⇔ 075	3500K
076 ⇔ 100	4000K
101 ⇔ 125	4500K
126 ⇔ 150	5000K
151 ⇔ 175	5600K
176 ⇔ 200	6000K
201 ⇔ 225	6500K
226 ⇔ 255	--

Operation

DMX Values

Zones for DMX Control



4Ch	8Ch	12Ch	13Ch	21Ch	Function	Value	Percent/Setting
-	1	-	1	1	Dimmer	000 ⇔ 255	0-100%
-	2	-	2	2	Dimmer fine	000 ⇔ 255	0-100%
1	3	-	3	-	Red	000 ⇔ 255	0-100%
2	4	-	4	-	Green	000 ⇔ 255	0-100%
3	5	-	5	-	Blue	000 ⇔ 255	0-100%
4	6	-	6	-	White	000 ⇔ 255	0-100%
-	-	1	-	3	Red 1	000 ⇔ 255	0-100%
-	-	2	-	4	Green 1	000 ⇔ 255	0-100%
-	-	3	-	5	Blue 1	000 ⇔ 255	0-100%
-	-	4	-	6	White 1	000 ⇔ 255	0-100%
-	-	5	-	7	Red 2	000 ⇔ 255	0-100%
-	-	6	-	8	Green 2	000 ⇔ 255	0-100%
-	-	7	-	9	Blue 2	000 ⇔ 255	0-100%
-	-	8	-	10	White 2	000 ⇔ 255	0-100%
-	-	9	-	11	Red 3	000 ⇔ 255	0-100%
-	-	10	-	12	Green 3	000 ⇔ 255	0-100%
-	-	11	-	13	Blue 3	000 ⇔ 255	0-100%
-	-	12	-	14	White 3	000 ⇔ 255	0-100%
-	7	-	7	15	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
-	-	-	8	16	Color macro	000 ⇔ 010 011 ⇔ 030 031 ⇔ 050 051 ⇔ 070 071 ⇔ 090 091 ⇔ 110 111 ⇔ 130 131 ⇔ 150 151 ⇔ 170 171 ⇔ 200 201 ⇔ 205 206 ⇔ 210 211 ⇔ 215 216 ⇔ 220 221 ⇔ 225 226 ⇔ 230 231 ⇔ 235 236 ⇔ 240 241 ⇔ 245 246 ⇔ 250 251 ⇔ 255	No function R: 100% G: 0-100% B: 0% R: 100-0% G: 100% B: 0% R: 0% G: 100% B: 0-100% R: 0% G: 100-0% B: 100% R: 0-100% G: 0% B: 100% R: 100% G: 0% B: 100-0% R: 100% G: 0-100% B: 0-100% R: 100% G: 100-0% B: 100% R: 100% G: 100% B: 100% Dark amber Amber Light amber Dark pink Pink Light pink No color pink No color blue Light blue Cornflower blue Light pale blue

4Ch	8Ch	12Ch	13Ch	21Ch	Function	Value	Percent/Setting
-	-	-	9	17	Color temperature	000 ⇔ 005	No function
						006 ⇔ 025	2800K
						026 ⇔ 050	3200K
						051 ⇔ 075	3500K
						076 ⇔ 100	4000K
						101 ⇔ 125	4500K
						126 ⇔ 150	5000K
						151 ⇔ 175	5600K
						176 ⇔ 200	6000K
						201 ⇔ 225	6500K
					226 ⇔ 255	No function	
-	-	-	10	18	Auto programs	000 ⇔ 010	No function
						011 ⇔ 037	Auto program 1
						038 ⇔ 064	Auto program 2
						065 ⇔ 091	Auto program 3
						092 ⇔ 118	Auto program 4
						119 ⇔ 145	Auto program 5 (Auto program 1–4)
						146 ⇔ 172	Auto program 6
						173 ⇔ 199	Auto program 7
						200 ⇔ 226	Auto program 8
					227 ⇔ 255	Auto program 9 (Auto program 6–8)	
-	-	-	11	19	Auto program speed	000 ⇔ 255	Auto speed, slow to fast
-	-	-	12	20	Dimmer speed mode	000 ⇔ 051	Preset dimmer speed from display menu
						052 ⇔ 101	Dimmer speed mode off
						102 ⇔ 152	Dimmer speed mode 1 (fastest)
						153 ⇔ 203	Dimmer speed mode 2
						204 ⇔ 255	Dimmer speed mode 3 (slowest)
-	8	-	13	21	Red shift	000 ⇔ 010	No function
						011 ⇔ 127	On
						128 ⇔ 255	Off

Operation

Standalone Configuration

Auto Programs

Auto programs allow for dynamic blinder effects without a DMX controller.

1. Go to the **Auto Show** main level.
2. Select the desired auto (**Auto 1–5**).
3. Select the desired speed (**1–100**).



The auto programs cannot be edited.

Static Mode

The Static mode allows for permanent dimmer and strobe presets without a DMX controller.

1. Go to the **Static** main level.
2. Select **Fixed Color**, **Color Temperature**, or **Manual Color Mixer**.
3. For **Fixed Color**:
 - Select the desired fixed color (**R, G, B, W, GB, RB, RG, RGB, RW, GW, BW, RGW, RBW, GBW, or RGBW**).
- For **Color Temperature**:
 - a. Select the desired color temperature (refer to the [Color Temperature Chart](#)).
 - b. Set the desired output value (**Dimmer <000–255>**).
- For **Manual Color Mixer**:
 - a. Select the desired color (**Red, Green, Blue, or White**).
 - b. Set the desired value for the selected color (**000–255**).
 - c. Repeat steps a-b until the static color is set as desired.

Red Shift

The Red Shift function allows the light in the fixture to mimic halogen lamp dimming.

1. Go to the **Settings** main level.
2. Select the **Red Shift** option.
3. Select from **No** (disables Red Shift function) or **Yes** (enables Red Shift function).

Dimmer Profiles

This setting determines how fast the output of the WELL Panel changes when you modify the output value. This setting provides four different options to simulate the dimming curve of an incandescent lighting product.

1. Go to the **Dimmer Mode** main level.
2. Select a dimmer curve (**Off, Dimmer 1, Dimmer 2, or Dimmer 3**).



Off: The output is proportional (linear) to the dimmer channel value.

Dimmer 1-3: The output follows the dimmer value based on the corresponding dimmer curve, DIM1 being the fastest.

White Balance

This setting controls the maximum values for each LED color.

1. Go to the **White Balance** main level.
2. Select **Off** (uses factory default white setting) or **Manual** (sets a custom white balance).
 - a. For **Manual**, select a color to edit (**Red, Green, Blue, or White**).
 - b. Set the maximum value of the selected color (**125–255**).
 - c. Repeat steps a-b until the white balance is set as desired.

LED Frequency

This option changes the Pulse Width Modulation (PWM) frequency of the LEDs on the WELL Panel.

1. Go to the **LED Frequency** main level.
2. Select PWM Frequency (**600Hz, 1200Hz, 2000Hz, 4000Hz, 6000Hz, or 25Khz**).

Line Voltage Power Loss Mode

This option sets the action that the fixture will during a line power loss.

1. Go to the **Line Voltage Power Loss Mode** main level.
2. Select among **Stay in State** (the fixture will continue to function as programmed under battery power), **All at Full** (all LEDs will go to full power after 5 seconds of line power loss, and returns to normal operation when line power is restored), and **Dim Out** (all LEDs will dim in a 10 second fade to black and returns to normal operation when line power is restored).

Run Time

This option sets the fixture's intensity and adjusts its battery run time.

1. Go to the Run Time main level.
2. Select among **3 Hours**, **5 Hours**, **8 Hours** (reduces intensity, limiting battery run time to 3, 5, or 8 hours) and **12 Hours** (extends battery to the maximum run time of 12 hours)

Back Light

This setting allows for selection of the amount of time the back light on the WELL Panel's display stays on after the last button is pressed on the control panel.

1. Go to the **Back Light** main level.
2. Select **On** (remains on), **10S** (10 seconds), **20S** (20 seconds), or **30S** (seconds).

System Information

This option displays the total number of hours the product has run, the installed software version, and the product's UID.

1. Go to the **Information** main level.
2. Select **Fixture Hours**, **Version**, or **UID**.

Factory Reset

This option restores the WELL Panel to factory default settings.

1. Go to the **Reset Factory** main level.
2. Select **No** or **Yes**.

Master/Slave

The Master/Slave mode allows a group of WELL Panel products (the slaves) to simultaneously duplicate the output of another WELL Panel (the master) without a DMX controller. To set each of the slaves:

1. Go to the **Master/Slave** main level.
2. Select **Slave**.
3. Go to **Wireless Setting > W-DMX On/Off**.
4. Select **On**.
5. Go to **Wireless Setting > Operating Mode**.
6. Select **Receive**.
7. Go to **Wireless Setting > Receive Reset**.
8. Select **Yes**.

To set the master:

1. Go to the **Master/Slave** main level.
2. Select **Master**.
3. Go to **Wireless Setting > W-DMX On/Off**.
4. Select **On**.
5. Go to **Wireless Setting > Operating Mode**.
6. Select **Transmit**.
7. Go to **Wireless Setting > Link**.
8. Select **Link** to link to the slave products.
9. Select a standalone setting.



- The master is the one that runs a program whether in Auto or Static mode.
- Do not connect a DMX controller to the products configured for Master/Slave operation. The DMX controller may interfere with signals from the master.
- Do not connect a WDMX transmitter to the products configured for Master/Slave operation. The WDMX transmitter may interfere with 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.

Torque Measurements

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

Fixture Parts	Torque Rating (Kgf.m)	Torque Rating (Kgf.cm)	Torque Rating (lbf.in)	Torque Rating (lbf.ft)	Torque Rating (nm)
Power in/Out ports	0.15	15	13.0194	1.08491	1.47105
DMX In/Out ports	0.15	15	13.0194	1.08491	1.47105
Display Plate	0.15	15	13.0194	1.08491	1.47105
Base Plate	0.2	20	17.3592	1.44654	1.9614
Top Frame	0.2	20	17.3592	1.44654	1.9614

Vacuum Test Measurements

Use the IP Tester from Chauvet Professional to ensure the product has been reassembled correctly by following the information below:

Parameters	Values
Method	Positive
Test pressure	40 kPa
Test duration	30 seconds
PASS state leak pressure	<0.5 kPa

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
17.17 in (436 mm)	5.31 in (135 mm)	10.24 in (260 mm)	22.6 lb (10.3 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	208 V, 60 Hz	230 V, 50 Hz
Consumption (single)	147 W	146 W	146 W
Operating current (single)	1.23 A	0.70 A	0.63 A
Power-linking current (products)	12 A (9 products)	12 A (17 products)	12 A (18 products)

Power I/O	U.S./Worldwide	UK/Europe
Power input connector	Seetronik Powerkon	Seetronik Powerkon
Power output connector	Seetronik Powerkon	Seetronik Powerkon
Power cord plug	Edison (U.S.)	Local plug

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Red	24	1 to 3 W	500 mA	50,000 hours
	Green	24			
	Blue	24			
	Warm white	24			

Photometrics

	Beam Angle	Field Angle	Illuminance @ 5 m
Without Filter	13.9°	25°	2,727 lux
With Filter	32.4°	58.6°	549 lux

Thermal

Maximum External Temperature	Cooling System
113 °F (45 °C)	Convection

DMX

I/O Connector	Channel Range
Wireless	4, 8, 12, 13, or 21 channels

Ordering

Product Name	Item Name	Item Code	UPC Number
WELL Panel	WELLPANEL	03031717	781462220655



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.