

WELL STX 360

WIRELESS EVENT LED LUMINAIRE

User Manual



Model ID: WELLSTX360

Edition Notes

The WELL STX 360 User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the WELL STX 360 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

This is revision 4 of the WELL STX 360 User Manual. Go to www.chauvetprofessional.com for the latest version.

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1. Before You Begin

What Is Included

- (4) WELL STX 360
- TRUE1-style power cord with Edison plug (EU bare end)
- Charging flight case
- (4) tripod stands
- (4) hanging eye bolts
- (1) IR remote
- 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.
- 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.
 - Flashing light is known to trigger epileptic seizures. User must comply with local laws regarding notification of strobe use.
- **ALWAYS:**
 - Disconnect from power before cleaning the product or replacing the fuse.
 - 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 (IP65). 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.
- **ONLY** use the carry handles or hanging/mounting bracket to carry this product.
- 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.
- 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.

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 STX 360:

- 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 Statement of 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

Over time, use and heat will gradually reduce LED brightness. Clustered LEDs produce more heat than single LEDs, contributing to shorter lifespans if always used at full intensity. The average LED lifespan is 40,000 to 50,000 hours. To extend LED lifespan, maintain proper ventilation around the product, and limit the overall intensity.

2. Introduction

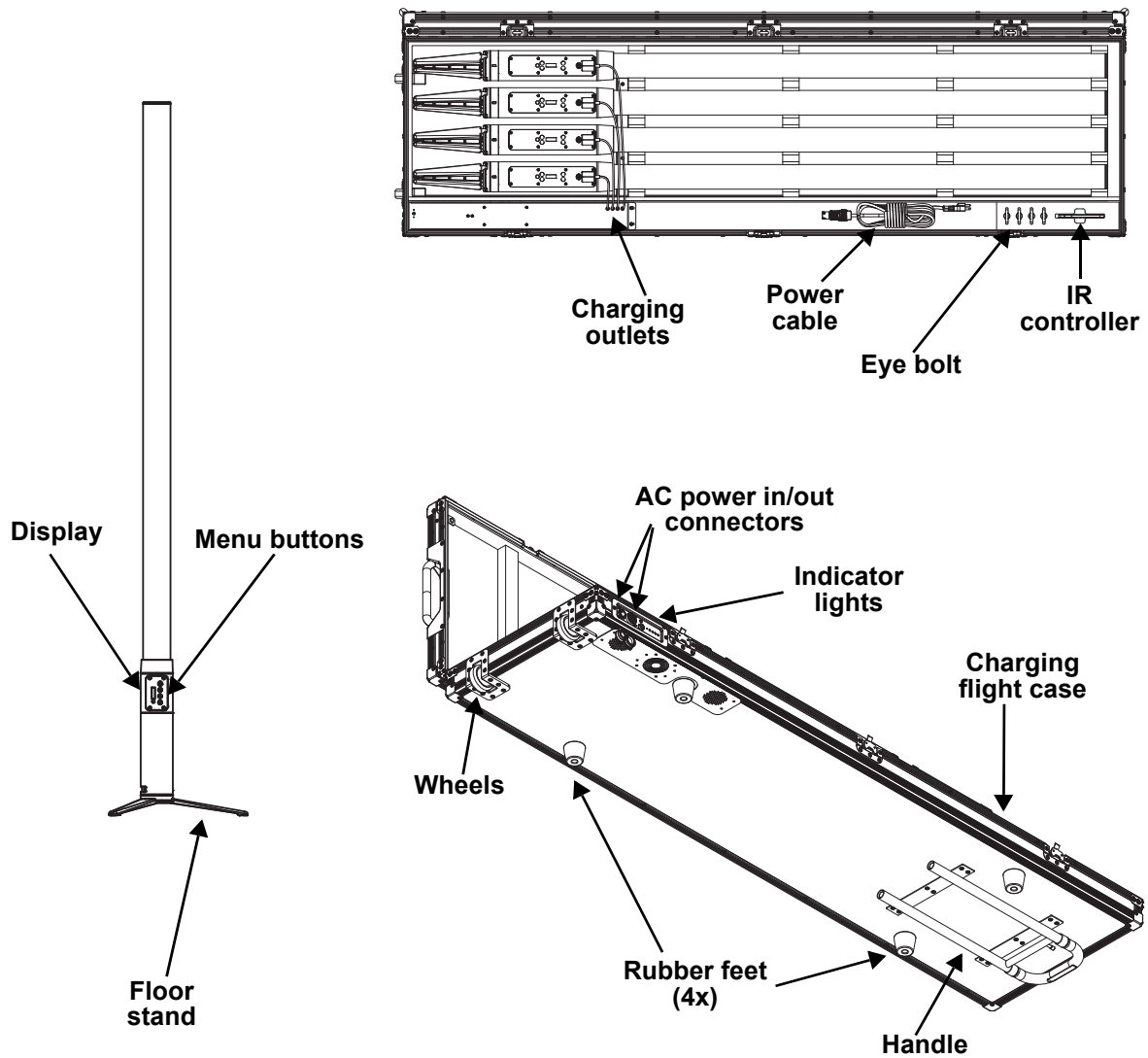
Description

WELL STX 360 is a large freestanding, battery-operated, and outdoor-ready LED tube that emits 360° of ultra-bright, high-quality, pixel-mappable light. Wireless control of 16 zones of the RGBWW LED's produce exceptional eye-candy effects with high CRI—so it will look as great on camera as it does in person. In addition to being IP65 rated, WELL STX 360 can also be oriented in any position to fully utilize the wireless freedom this fixture is capable of. The unit is packaged as part of a complete kit that includes: 4 WELL STX 360, 4 eyebolts for suspended hanging options, 4 folding floor stands, 1 IR remote, and 1 charging flight case. The device is also controllable via W-DMX, which can be used with almost any standard lighting controller, including the WELL COM with its built in W-DMX receiver.

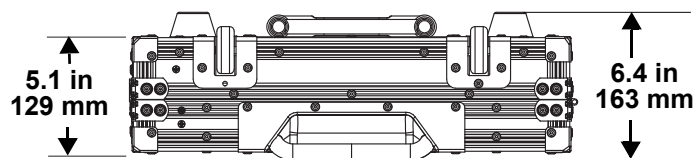
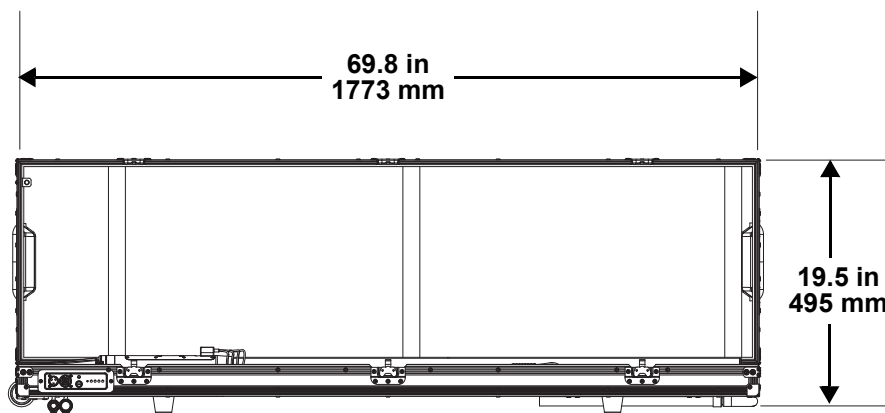
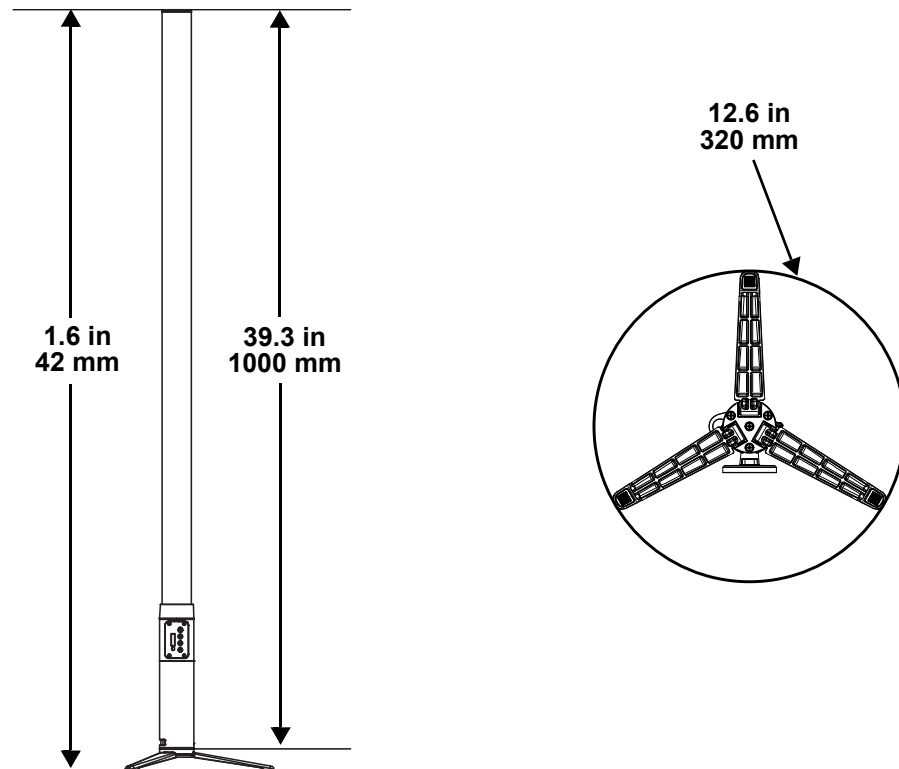
Features

- (4) Pixel-mapping, battery operated, 1.5 meter, IP65-rated LED sticks with 360 degree viewing angle, including (4) mounting stands, (4) hanging eye bolts, (1) IR remote, and (1) charging case
- 16 individual zones of control for pixel mapping effects
- High CRI LEDs for fantastic skin tone rendering
- Simple and complex operational modes
- Built-in editable pre-programmed effects that are controllable from the menu and over DMX
- 3-, 5-, 8-, and 12-hour settings for optimizing performance time
- Included accessories for several mounting options
- Included charging flight case for easy transportation and charging of fixtures
- Update software over USB-C connection in flight case (upload all 4 fixtures at once)
- Works in both standalone modes and under DMX over WDMX
- Works perfectly with the WELL COM controller and app

Product Overview



Product Dimensions



3. Setup

AC Power

Each WELL STX 360 has an auto-ranging battery charger inside the fixture that works with an input voltage range of 100 to 240 VAC, 50/60 Hz. To determine the power requirements for each WELL STX 360, refer to the label affixed to the product or the [Technical Specifications](#) chart in this manual. The listed current rating indicates the maximum current draw during normal operation. For more information, download Sizing Circuit Breakers from the Chauvet website: www.chauvetprofessional.com.



- **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 STX 360 charging case comes with a power input cord terminated with a Seetronic Powerkon connector on one end and an Edison plug on the other end (U.S. market). Use the table below to wire the new 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 STX 360 charging cases. 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, 60 Hz
Current Draw	1.612 A	1.324 A	1.260 A	1.188 A	1.124 A

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

USB Software Update

The WELL STX 360 allows for software update through USB using the built-in USB port in the charging case. The product's USB port supports up to 32GB capacity and only works with FAT32 file format. To update the software using a USB flash drive, do the following:

1. Create a folder on the USB drive named "**STX360**" and drag the software onto it.
2. Power on the WELL STX 360 products that need a software upgrade.
3. Place the WELL STX 360 in the charging flight case and connect them to the charging ports. Connect the power cable to the charging case.
4. Plug in the USB to the USB port and check the upgrade indicator light.
 - A flashing upgrade indicator light means the software is upgrading.
 - A steady, always on upgrade indicator light means the software update is finished.



The product's USB port supports up to 32GB capacity and only works with FAT32 file format.

DMX Linking

The WELL STX 360 can be linked to a DMX controller using a wireless DMX connection. If using other DMX-compatible products with this product, each can be controlled individually with a single DMX controller.

DMX Personalities

The WELL STX 360 uses a wireless DMX data connection for the **4Ch, 15Ch, 64Ch, 67Ch, and 73Ch** DMX personalities.

- Refer to the [Operation](#) chapter to learn how to configure the WELL STX 360 to work in these personalities.
- The [DMX Values](#) section provides detailed information regarding the control personalities.



For more information about DMX standards, Master/Slave connectivity, 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 STX 360 can operate up to 300 m (900 ft) away from the W-DMX TRX transmitter. The W-DMX receiver in the WELL STX 360 must be paired with the W-DMX TRX transmitter for wireless operation.



Once a W-DMX receiver has been linked to a specific W-DMX 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 STX 360 within 300 m from the W-DMX TRX transmitter.
4. Turn the WELL STX 360 on.

Configuration

1. From the WELL STX 360 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 STX 360 will show a 4 in front of the bars for 3 seconds while a connection is established.).

Product Pairing

If the WELL STX 360 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 STX 360 is ready to work in wireless mode.

To pair the WELL STX 360 and a new W-DMX transmitter, follow the instructions below:

1. From the WELL STX 360 control panel, go to **Wireless Setting > Receive Reset**.
2. Select **Yes**. The Signal Strength Indicator on the WELL STX 360 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 STX 360, 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 STX 360 will show the strength of the signal.



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

Master/Slave Connectivity

The Master/Slave mode allows an WELL STX 360 (the master) to control one or more WELL STX 360 products (the slaves) without a DMX controller. One WELL STX 360 becomes the master when running an auto program, or by being in Static mode.

Each slave's control panel must be configured 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 [Master/Slave Mode](#) 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: www.chauvetprofessional.com.

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

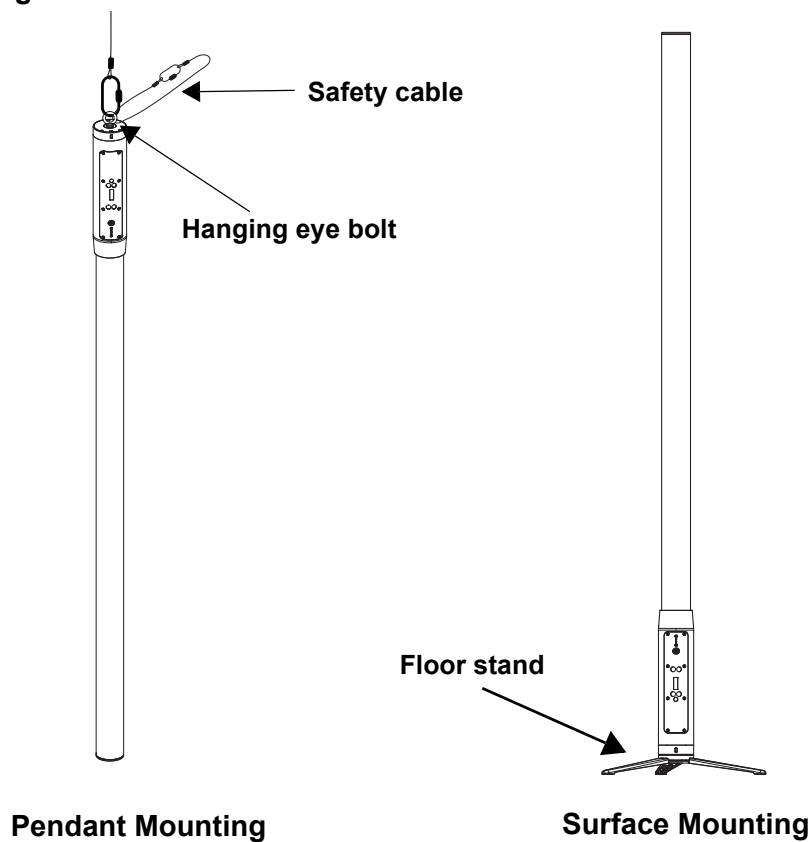
Always mount this product in a safe position, making sure there is adequate room for ventilation, configuration, and maintenance.

Rigging

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

- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure or surface onto which the product is being mounted can support the product's weight (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.
-

Mounting Diagram



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

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 either the first option if there is another programming level, or the selected value.
- 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 to access the menu. To enter the passcode, press: <UP>, <DOWN>, <UP>, <DOWN>, <ENTER>.

DMX Configuration

Use DMX configurations to operate the product with a DMX controller.

DMX Personalities

This setting allows the user to choose a particular DMX personality.

1. Go to the **DMX Personality** main level.
2. Select the desired personality (**4Ch**, **15Ch**, **64Ch**, **67Ch**, or **73Ch**).



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

Starting Address

In this mode, each product will respond to a unique starting address from the DMX controller. All products with the same starting address will respond in unison.

1. Go to the **DMX Address** main level.
2. Set the starting address (**001–512**).

The highest recommended starting address for each DMX mode is as follows:

DMX Personality	DMX Address
4Ch	509
15Ch	498
64Ch	449
67Ch	446
73Ch	440

Menu Map

Refer to the WELL STX 360 product page on www.chauvetprofessional.com for the latest menu map.

Main Level	Programming Levels			Description
DMX Address	001–512			Selects DMX address (highest channel restricted to personality chosen)
	4Ch			4-channel: RGBW
	15Ch			15-channel: RGBW, color temperature, strobe, auto programs, auto speed, foreground color dimmer, foreground color, background color dimmer, background color, dimmer speed, auto delay
	64Ch			64-channel: RGBW 1–16
	67Ch			67-channel: RGBW 1–16, strobe, dimmer, dimmer speed
	73Ch			73-channel: RGBW 1–16, strobe, auto programs, auto speed, foreground color dimmer, foreground color, background color dimmer, background color, dimmer speed
Static	Manual Color	R	000–255	Manually adjusts RGBW color settings
		G		
		B		
		W		
	Color Temperature	2800K		Selects preset color temperature
		2900K		
		3000K		
		3100K		
		3200K		
		3300K		
		3400K		
		3500K		
		3600K		
		3700K		
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		5500K		
		5600K		
		5700K		
		6000K		
		6500K		
		7000K		
		7500K		
		8000K		

Main Level	Programming Levels		Description	
Static (cont.)	Fixed color	R	Red	
		G	Green	
		B	Blue	
		W	White	
		GB	Green + blue	
		RB	Red + blue	
		RG	Red + green	
		RGB	Red + green + blue	
		RW	Red + white	
		GW	Green + white	
		BW	Blue + white	
		RGW	Red + green + white	
		RBW	Red + blue + white	
		GBW	Green + blue + white	
		RGBW	Red + green + blue + white	
Auto Show	Auto 1–28	Foreground	R	Red
			G	Green
			B	Blue
			W	White
			GB	Green + blue
			RB	Red + blue
			RG	Red + green
			RGB	Red + green + blue
			RW	Red + white
			GW	Green + white
			BW	Blue + white
			RGW	Red + green + white
			RBW	Red + blue + white
			GBW	Green + blue + white
			RGBW	Red + green + blue + white
			2800K	2800K white
			7000K	7000K white
			Auto	Auto colors
		Off	No foreground color	
		Background	R	Red
			G	Green
			B	Blue
			W	White
			GB	Green + blue
			RB	Red + blue
			RG	Red + green
			RGB	Red + green + blue
			RW	Red + white
	GW		Green + white	
	BW	Blue + white		
	RGW	Red + green + white		
	RBW	Red + blue + white		
	GBW	Green + blue + white		
	RGBW	Red + green + blue + white		
	2800K	2800K white		
	7000K	7000K white		
	Auto	Auto colors		
	Off	No background color		
	Speed	1–100	Adjusts speed of auto programs	

Main Level	Programming Levels			Description
Wireless Setting	W-DMX On/Off		On	Turns wireless DMX mode on/off
			Off	
	Receive Reset (Only in Receive mode)		No	Resets the internal receiver
			Yes	
	Link (Only in Transmit mode)		Link	Links or unlinks to a W-DMX receiver
			Unlink	
Operating Mode		Receive	Receives W-DMX	
		Transmit	Transmits W-DMX	
White Balance	Off			Turns off white balance
	Manual	R	125–255	Adjusts the red, green, blue, and white LED maximum values manually
		G		
		B		
		W		
IR Setting	On			Turns on infrared mode for IRC-6 remote use
	Off			
Run Time	3 hours			Shows product run time
	5 hours			
	8 hours			
	12 hours			
Dimmer Mode	Off			Dimmer off
	Dimmer 1–3			Dimming curves Dimmer 1 (fast) to Dimmer 3 (slow)
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/unlocks the display
	Off			(Password is: <UP>, <DOWN>, <UP>, <DOWN>, <ENTER>)
Information	Fixture Hours	_ _ _ _ H		Shows total hours the product has been powered on
	LED Hours	_ _ _ _ H		Shows total LED hours
	Version	V _ . _		Shows current firmware version
	UID	_ _ _ _ _ _ _ _		Shows product UID
Factory Reset	No			Resets the product to factory default settings
	Yes			

DMX Values

73Ch / 67Ch / 64Ch

64Ch	67Ch	73Ch	Function	Value	Percent/Setting
1	1	1	Red 1	000 ⇄ 255	0–100%
2	2	2	Green 1	000 ⇄ 255	0–100%
3	3	3	Blue 1	000 ⇄ 255	0–100%
4	4	4	White 1	000 ⇄ 255	0–100%
5	5	5	Red 2	000 ⇄ 255	0–100%
6	6	6	Green 2	000 ⇄ 255	0–100%
7	7	7	Blue 2	000 ⇄ 255	0–100%
8	8	8	White 2	000 ⇄ 255	0–100%
9	9	9	Red 3	000 ⇄ 255	0–100%
10	10	10	Green 3	000 ⇄ 255	0–100%
11	11	11	Blue 3	000 ⇄ 255	0–100%
12	12	12	White 3	000 ⇄ 255	0–100%
13	13	13	Red 4	000 ⇄ 255	0–100%
14	14	14	Green 4	000 ⇄ 255	0–100%
15	15	15	Blue 4	000 ⇄ 255	0–100%
16	16	16	White 4	000 ⇄ 255	0–100%
17	17	17	Red 5	000 ⇄ 255	0–100%
18	18	18	Green 5	000 ⇄ 255	0–100%
19	19	19	Blue 5	000 ⇄ 255	0–100%
20	20	20	White 5	000 ⇄ 255	0–100%
21	21	21	Red 6	000 ⇄ 255	0–100%
22	22	22	Green 6	000 ⇄ 255	0–100%
23	23	23	Blue 6	000 ⇄ 255	0–100%
24	24	24	White 6	000 ⇄ 255	0–100%
25	25	25	Red 7	000 ⇄ 255	0–100%
26	26	26	Green 7	000 ⇄ 255	0–100%
27	27	27	Blue 7	000 ⇄ 255	0–100%
28	28	28	White 7	000 ⇄ 255	0–100%
29	29	29	Red 8	000 ⇄ 255	0–100%
30	30	30	Green 8	000 ⇄ 255	0–100%
31	31	31	Blue 8	000 ⇄ 255	0–100%
32	32	32	White 8	000 ⇄ 255	0–100%
33	33	33	Red 9	000 ⇄ 255	0–100%
34	34	34	Green 9	000 ⇄ 255	0–100%
35	35	35	Blue 9	000 ⇄ 255	0–100%
36	36	36	White 9	000 ⇄ 255	0–100%
37	37	37	Red 10	000 ⇄ 255	0–100%
38	38	38	Green 10	000 ⇄ 255	0–100%
39	39	39	Blue 10	000 ⇄ 255	0–100%
40	40	40	White 10	000 ⇄ 255	0–100%
41	41	41	Red 11	000 ⇄ 255	0–100%
42	42	42	Green 11	000 ⇄ 255	0–100%
43	43	43	Blue 11	000 ⇄ 255	0–100%
44	44	44	White 11	000 ⇄ 255	0–100%
45	45	45	Red 12	000 ⇄ 255	0–100%
46	46	46	Green 12	000 ⇄ 255	0–100%
47	47	47	Blue 12	000 ⇄ 255	0–100%
48	48	48	White 12	000 ⇄ 255	0–100%
49	49	49	Red 13	000 ⇄ 255	0–100%
50	50	50	Green 13	000 ⇄ 255	0–100%
51	51	51	Blue 13	000 ⇄ 255	0–100%
52	52	52	White 13	000 ⇄ 255	0–100%
53	53	53	Red 14	000 ⇄ 255	0–100%

64Ch	67Ch	73Ch	Function	Value	Percent/Setting
54	54	54	Green 14	000 ⇔ 255	0–100%
55	55	55	Blue 14	000 ⇔ 255	0–100%
56	56	56	White 14	000 ⇔ 255	0–100%
57	57	57	Red 15	000 ⇔ 255	0–100%
58	58	58	Green 15	000 ⇔ 255	0–100%
59	59	59	Blue 15	000 ⇔ 255	0–100%
60	60	60	White 15	000 ⇔ 255	0–100%
61	61	61	Red 16	000 ⇔ 255	0–100%
62	62	62	Green 16	000 ⇔ 255	0–100%
63	63	63	Blue 16	000 ⇔ 255	0–100%
64	64	64	White 16	000 ⇔ 255	0–100%
–	65	65	Strobe	000 ⇔ 010 011 ⇔ 255	Off Strobe, slow to fast
–	–	66	Auto programs	000 ⇔ 010 011 ⇔ 018 019 ⇔ 026 027 ⇔ 034 035 ⇔ 042 043 ⇔ 050 051 ⇔ 058 059 ⇔ 066 067 ⇔ 074 075 ⇔ 082 083 ⇔ 090 091 ⇔ 098 099 ⇔ 106 107 ⇔ 114 115 ⇔ 122 123 ⇔ 130 131 ⇔ 138 139 ⇔ 146 147 ⇔ 154 155 ⇔ 162 163 ⇔ 170 171 ⇔ 178 179 ⇔ 186 187 ⇔ 194 195 ⇔ 202 203 ⇔ 210 211 ⇔ 218 219 ⇔ 226 227 ⇔ 255	No function Auto program 1 Auto program 2 Auto program 3 Auto program 4 Auto program 5 Auto program 6 Auto program 7 Auto program 8 Auto program 9 Auto program 10 Auto program 11 Auto program 12 Auto program 13 Auto program 14 Auto program 15 Auto program 16 Auto program 17 Auto program 18 Auto program 19 Auto program 20 Auto program 21 Auto program 22 Auto program 23 Auto program 24 Auto program 25 Auto program 26 Auto program 27 Auto program 28 (cycles through auto programs 1–27)
–	–	67	Auto speed	000 ⇔ 255	0–100%
–	–	68	Foreground color dimmer	000 ⇔ 255	0–100%

64Ch	67Ch	73Ch	Function	Value	Percent/Setting
-	-	69	Foreground color	000 ⇔ 013	Red
				014 ⇔ 027	Green
				028 ⇔ 041	Blue
				042 ⇔ 055	White
				056 ⇔ 069	Green + blue
				070 ⇔ 083	Red + blue
				084 ⇔ 097	Red + green
				098 ⇔ 111	Red + green + blue
				112 ⇔ 125	Red + white
				126 ⇔ 139	Green + white
				140 ⇔ 153	Blue + white
				154 ⇔ 167	Red + green + white
				168 ⇔ 181	Red + blue + white
				182 ⇔ 195	Green + blue + white
				196 ⇔ 209	Red + green + blue + white
				210 ⇔ 223	2800K
				224 ⇔ 237	7000K
				238 ⇔ 255	Auto
-	-	70	Background color dimmer	000 ⇔ 255	0–100%
-	-	71	Background color	000 ⇔ 013	Red
				014 ⇔ 027	Green
				028 ⇔ 041	Blue
				042 ⇔ 055	White
				056 ⇔ 069	Green + blue
				070 ⇔ 083	Red + blue
				084 ⇔ 097	Red + green
				098 ⇔ 111	Red + green + blue
				112 ⇔ 125	Red + white
				126 ⇔ 139	Green + white
				140 ⇔ 153	Blue + white
				154 ⇔ 167	Red + green + white
				168 ⇔ 181	Red + blue + white
				182 ⇔ 195	Green + blue + white
				196 ⇔ 209	Red + green + blue + white
				210 ⇔ 223	2800K
				224 ⇔ 237	7000K
				238 ⇔ 255	Auto
-	66	72	Dimmer	000 ⇔ 255	0–100%
-	67	73	Dimmer speed	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)

15Ch / 4Ch

4CH	15CH	Function	Value	Percent/Setting
–	1	Dimmer	000 ⇄ 255	0–100%
1	2	Red	000 ⇄ 255	0–100%
2	3	Green	000 ⇄ 255	0–100%
3	4	Blue	000 ⇄ 255	0–100%
4	5	White	000 ⇄ 255	0–100%
–	6	Color temperature	000 ⇄ 005	No function
			006 ⇄ 012	2800K
			013 ⇄ 019	2900K
			020 ⇄ 026	3000K
			027 ⇄ 033	3100K
			034 ⇄ 040	3200K
			041 ⇄ 047	3300K
			048 ⇄ 054	3400K
			055 ⇄ 061	3500K
			062 ⇄ 068	3600K
			069 ⇄ 075	3700K
			076 ⇄ 082	3800K
			083 ⇄ 089	3900K
			090 ⇄ 096	4000K
			097 ⇄ 103	4100K
			104 ⇄ 110	4200K
			111 ⇄ 117	4300K
			118 ⇄ 124	4400K
			125 ⇄ 131	4500K
			132 ⇄ 138	4600K
			139 ⇄ 145	4700K
			146 ⇄ 152	4800K
			153 ⇄ 159	4900K
			160 ⇄ 166	5000K
			167 ⇄ 173	5100K
			174 ⇄ 180	5200K
			181 ⇄ 187	5300K
			188 ⇄ 194	5400K
			195 ⇄ 201	5500K
			202 ⇄ 208	5600K
			209 ⇄ 215	5700K
			216 ⇄ 222	6000K
			223 ⇄ 229	6500K
			230 ⇄ 236	7000K
			237 ⇄ 243	7500K
			244 ⇄ 255	8000K
–	7	Strobe	000 ⇄ 010	No function
			011 ⇄ 255	Strobe, slow to fast

4CH	15CH	Function	Value	Percent/Setting
–	8	Auto programs	000 ⇔ 010	No function
			011 ⇔ 018	Program 1
			019 ⇔ 026	Program 2
			027 ⇔ 034	Program 3
			035 ⇔ 042	Program 4
			043 ⇔ 050	Program 5
			051 ⇔ 058	Program 6
			059 ⇔ 066	Program 7
			067 ⇔ 074	Program 8
			075 ⇔ 082	Program 9
			083 ⇔ 090	Program 10
			091 ⇔ 098	Program 11
			099 ⇔ 106	Program 12
			107 ⇔ 114	Program 13
			115 ⇔ 122	Program 14
			123 ⇔ 130	Program 15
			131 ⇔ 138	Program 16
			139 ⇔ 146	Program 17
			147 ⇔ 154	Program 18
			155 ⇔ 162	Program 19
			163 ⇔ 170	Program 20
			171 ⇔ 178	Program 21
			179 ⇔ 186	Program 22
			187 ⇔ 194	Program 23
			195 ⇔ 202	Program 24
			203 ⇔ 210	Program 25
			211 ⇔ 218	Program 26
			219 ⇔ 226	Program 27
			227 ⇔ 255	Program 28 (cycles through programs 1–27)
–	9	Auto speed	000 ⇔ 255	Auto programs speed, slow to fast
–	10	Foreground color dimmer	000 ⇔ 255	0–100%
–	11	Foreground color	000 ⇔ 013	Red
			014 ⇔ 027	Green
			028 ⇔ 041	Blue
			042 ⇔ 055	White
			056 ⇔ 069	Green + blue
			070 ⇔ 083	Red + blue
			084 ⇔ 097	Red + green
			098 ⇔ 111	Red + green + blue
			112 ⇔ 125	Red + white
			126 ⇔ 139	Green + white
			140 ⇔ 153	Blue + white
			154 ⇔ 167	Red + green + white
			168 ⇔ 181	Red + blue + white
			182 ⇔ 195	Green + blue + white
			196 ⇔ 209	Red + green + blue + white
			210 ⇔ 223	2800K
			224 ⇔ 237	7000K
			238 ⇔ 255	Auto
–	12	Background color dimmer	000 ⇔ 255	0–100%

4CH	15CH	Function	Value	Percent/Setting
–	13	Background color	000 ⇔ 013	Red
			014 ⇔ 027	Green
			028 ⇔ 041	Blue
			042 ⇔ 055	White
			056 ⇔ 069	Green + blue
			070 ⇔ 083	Red + blue
			084 ⇔ 097	Red + green
			098 ⇔ 111	Red + green + blue
			112 ⇔ 125	Red + white
			126 ⇔ 139	Green + white
			140 ⇔ 153	Blue + white
			154 ⇔ 167	Red + green + white
			168 ⇔ 181	Red + blue + white
			182 ⇔ 195	Green + blue + white
			196 ⇔ 209	Red + green + blue + white
			210 ⇔ 223	2800K
			224 ⇔ 237	7000K
			238 ⇔ 255	Auto
–	14	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)
–	15	Auto delay	000 ⇔ 255	0–100%

Standalone Configuration

Use standalone configuration to operate the product without a DMX controller.

Static Mode

Manual Color Mixer

To do color mixing without a DMX controller, follow the instructions below:

1. Go to the **Static** main level.
2. Select **Manual Color**.
3. Select which **RGBW** color to adjust.
4. Set color value from **000–255**.

Color Temperature

To select a preset color temperature, do the following:

1. Go to the **Static** main level.
2. Select **Color Temperature**.
3. Select the desired color temperature, from **2800K** to **8000K**.

Fixed Color

To select a single or combination RGBW color, follow the instructions below:

1. Go to the **Static** main level.
2. Select **Fixed Color**.
3. Select a single RGBW color or an RGBW color combination.

Auto Programs

To select which auto program to display, do the following:

1. Go to the **Auto Show** main level.
2. Select the desired auto program, from **Auto 1–28**.
3. Select between **Foreground** (sets what foreground color to display) and **Background** (sets what background color to display).
4. Select among **RGBW** color or color combinations, **2800K**, **7000K**, **Auto** (automatic colors), or **Off** (no foreground or background color).



The auto programs cannot be edited.

Auto Program Speed

To adjust the speed of the auto programs, follow the instructions below:

1. Go to the **Auto Show** main level.
2. Select the desired auto program, from **Auto 1–28**.
3. Select **Speed**.
4. Select the speed of auto programs, from **1** (slowest) to **100** (fastest).

White Balance

To set the maximum values of a given LED color to create a white light output, do the following:

1. Go to the **White Balance** main level.
2. Select **Off** (to use factory default white setting) or **Manual** (to customize the white balance).
 - a. Select the desired color (**RGBW**).
 - b. Set the desired value for the selected color (**125–255**).
 - c. Repeat steps a–b until the static color is set as desired.

Run Time

To lessen the product output to maximize the product run time, follow the instructions below:

1. Go to the **Run Time** main level.
2. Select the desired product run time (**3**, **5**, **8**, and **12 hours**).

Back Light

To select the amount of time the back light on the WELL STX 360's display stays on after the last button is pressed on the control panel, do the following:

1. Go to the **RBack Light** main level.
2. Select **Always On** (remains On), **10S** (10 seconds), **30S** (30 seconds), or **2min** (2 minutes).

Dimmer Profiles

This setting provides four different options to simulate the dimming curve of an incandescent lighting product. To set how fast the output of the WELL STX 360 changes when the output value is modified, do the following:

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.

System Information

To display the total number of hours the product has run, the total LED hours, the installed software version, and the product's UID, follow the instructions below:

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

Factory Reset

To restore the WELL STX 360 to factory default settings, do the following:

1. Go to the **Factory Reset** main level.
2. Select **No** (do not reset) or **Yes** (reset to factory default settings).

Master/Slave Mode

The Master/Slave mode allows a group of WELL STX 360 products (the slaves) to simultaneously duplicate the output of another WELL STX 360 (the master) without a DMX controller. To set each of the slaves:

1. Go to **Wireless Setting > W-DMX On/Off**.
2. Select **On**.
3. Go to **Wireless Setting > Operating Mode**.
4. Select **Receive**.
5. Go to **Wireless Setting > Receive Reset**.
6. Select **Yes**.

To set the master:

1. Go to **Wireless Setting > W-DMX On/Off**.
2. Select **On**.
3. Go to **Wireless Setting > Operating Mode**.
4. Select **Transmit**.
5. Go to **Wireless Setting > Link**.
6. Select **Link** to link to the slave products.
7. Select a standalone setting, or control with the IR remote.



- **The master is the one that runs a program whether in Auto, Static, or IR 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.**

Infrared Remote Control

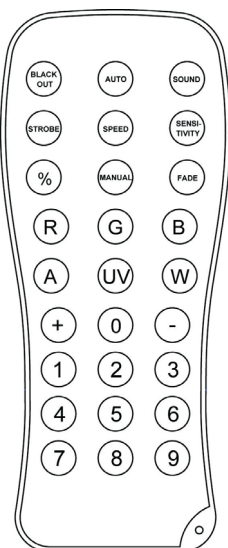
Infrared (IR) mode allows the product to be controlled with an infrared remote control. The IR remote can remotely set the product to various modes; adjust the color, speed, and sensitivity; and set the strobe. The WELL STX 360 is compatible with the IR remote from Chauvet.



It may be necessary to turn the product off and on again when switching from W-DMX to IRC and vice versa.

IR Remote Operation

Ensure that the IR remote is pointing directly at the product, and there is nothing in between the remote and the product.



Automatic Mode

Automatic mode will enable the automatic programs on the product.

To turn on Automatic mode:

1. Press **<AUTO>** on the IR remote.
2. Press **<+>** or **<->** to choose between the 28 auto programs.

To adjust the speed of the automatic program:

1. Press **<SPEED>** on the IR remote.
2. Press **<+>** or **<->** to increase or decrease the speed.

Manual Color Control

To choose a specific color with the IR remote, press any number between **<0>** and **<9>**. To manually control the RGBW percentage:

1. Press **<MANUAL>** on the IR remote.
2. Press **<R>**, **<G>**, ****, or **<W>** (red, green, blue, or white) to choose a color.
3. Press **<+>** or **<->** to increase or decrease the value of the selected color.

Miscellaneous Operation

To black out the lights:

- Press **<BLACKOUT>** on the IR remote. This will turn off all the lights until the button is pressed again.

To adjust the output level:

1. Press **<%>** on the IR remote.
2. Press **<+>** or **<->** to increase or decrease the output level.

Note: The IR remote will not respond to any inputs when the Black Out mode is activated. If the remote does not respond when a button is pressed, try pressing **<BLACK OUT>**. Black Out mode might have been inadvertently activated.

5. Technical Information

Product Maintenance

To maintain optimum performance and minimize wear, clean this product frequently. Usage and environment are contributing factors in determining the cleaning frequency.

Clean this product at least twice a month. Dust build-up reduces light output performance and can cause overheating. This can lead to reduced light source life and increased mechanical wear.

To clean the product:

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 vents.
4. Clean all 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.



Avoid spinning the cooling fans using compressed air to prevent damage.

6. Technical Specifications

Dimensions and Weight

	Length	Width	Height	Weight
WELL STX 360	59.09 in (1501 mm)	2.75 in (70 mm)	2.75 in (70 mm)	9 lb (4.1 kg)
Charging case	69.8 in (1773 mm)	19.5 in (495 mm)	6.4 in (163 mm)	85 lb (38.6 kg)

Note: Dimensions in inches rounded to the nearest decimal digit.

Power

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

Parameter	100 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	240 V, 50 Hz
Consumption (single unit charging)	41 W	40 W	66 W	67 W	67 W
Consumption (charging case)	164 W	160 W	264 W	268 W	268 W
Operating current (single unit charging)	0.403 A	0.331 A	0.315 A	0.291 A	0.281 A
Operating current (charging case)	1.612 A	1.324 A	1.260 A	1.188 A	1.124 A
Power-linking products (charging cases)	7 products	9 products	9 products	10 products	10 products

Power I/O	U.S./Worldwide	UK/Europe
Power input connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power output connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power cord plug	Edison (U.S.)	Local plug

Battery

Battery Type	Battery Charge	Battery Life	Battery Power
Lithium ion	4 hours	3-, 5-, 8-, or 12-hour settings	18.5 V, 10.05 Ah

Light Source

Type	Color	Quantity	Lifespan
SMD 5050 LED	RGB Warm white	256 256	50,000 hours

Photometrics

Parameter	Total Value	Parameter	Total Value
Beam angle	360°	Color temperature (range)	2800K to 8000K
Field angle	360°	Color temperature (full)	9670K
Illuminance (total)	5 lux @ 5m (3 hour runtime)		

Thermal

Maximum External Temperature

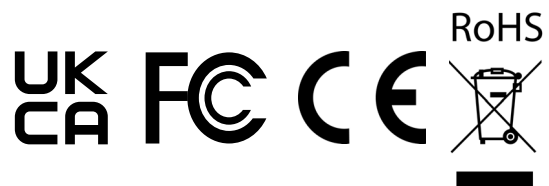
113 °F (45 °C)

DMX

I/O Connector	Channel Range
WDMX	4, 15, 64, 67, or 73 channels

Ordering

Product Name	Item Name	Item Code	UPC Number
WELL STX 360	WELLSTX360X4	03031784	781462221324



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.