

COLORdash Par-H18XIP

User Manual



Model ID: COLORDASHPARH18XIP

CHAUVENT
PROFESSIONAL

Edition Notes

The COLORdash Par-H18XIP User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the COLORdash Par-H18XIP 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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Go to www.chauvetprofessional.com for the latest version.

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Before You Begin

1. Before You Begin

What Is Included

- COLORdash Par-H18XIP
- Seetronic Powerkon IP65 power cable
- Gel frame holder
- 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.

Text Conventions

Convention	Meaning
1–512	A range of values
50/60	A set of values of which only one can be chosen
Settings	A menu option not to be modified
<ENTER>	A key to be pressed on the product's control panel

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.

Connection of the control signal: DMX line

- The product has XLR sockets for DMX input and output.
- Notice: This control circuit is isolated and belongs to the Class 2 data port.

The control circuit has a cumulative leakage current of less than 3.5 mA.

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 3.28 ft (1 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.
 - 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.
 - 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.
 - 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.
 - ONLY use the 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.
 - 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 this Chauvet product requires service, contact Chauvet Technical Support.

Before You Begin

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.

Expected LED Lifespan

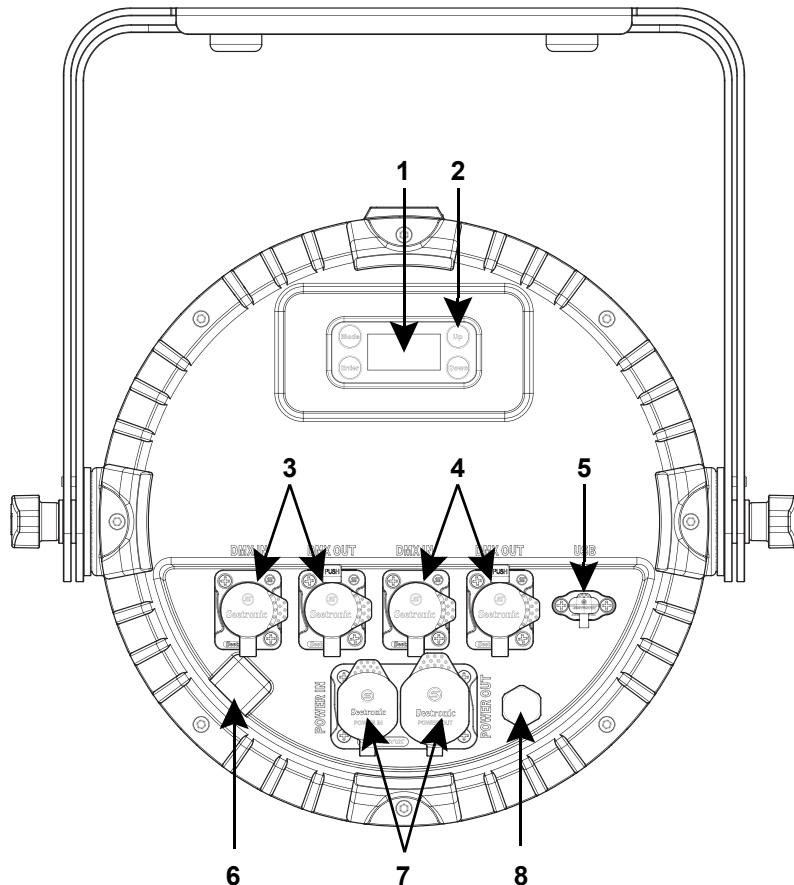
Over time, use and heat will gradually reduce LED brightness. Clustered LEDs produce more heat than single LEDs, contributing to shorter lifespans if always used at full intensity. The average LED lifespan is 40,000 to 50,000 hours. To extend LED lifespan, maintain proper ventilation around the product,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

2. Introduction

Features

- Rugged RGBWA-UV LED wash for events where indoor/outdoor flexibility is needed
- At home in any weather conditions with IP-rated power and DMX connections
- Adjustable PWM (Pulse Width Modulation) to avoid flickering on camera
- RDM (Remote Device Management) for added flexibility
- Selectable, smooth dimming curves for eliminating flicker and choppiness in fades
- Easy-to-read OLED display with password protection and touchscreen interface
- Advanced optics provide exceptional color mixing and high efficiency
- Double-bracketed yoke with omega bracket doubles as floor stand

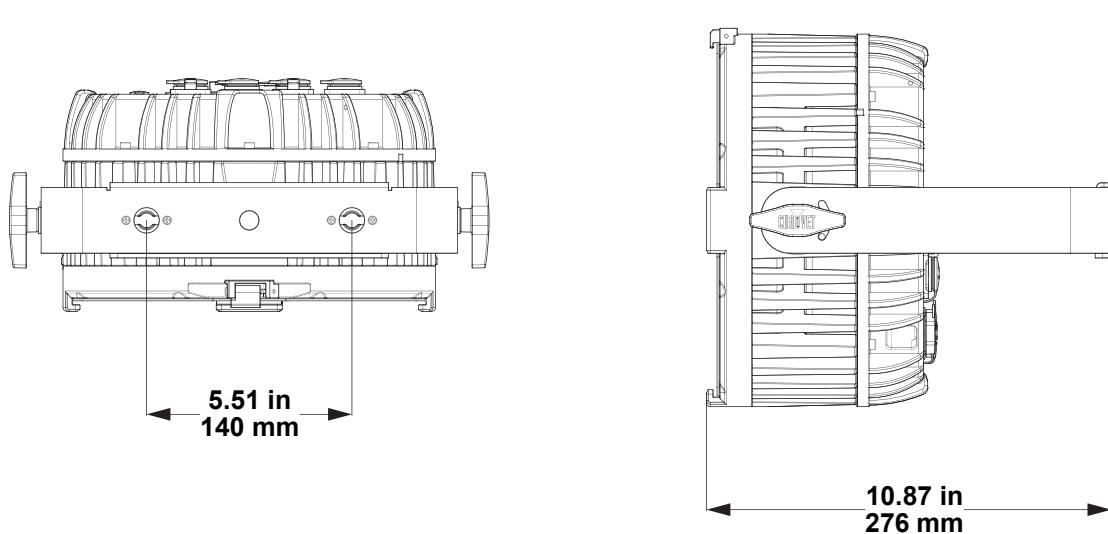
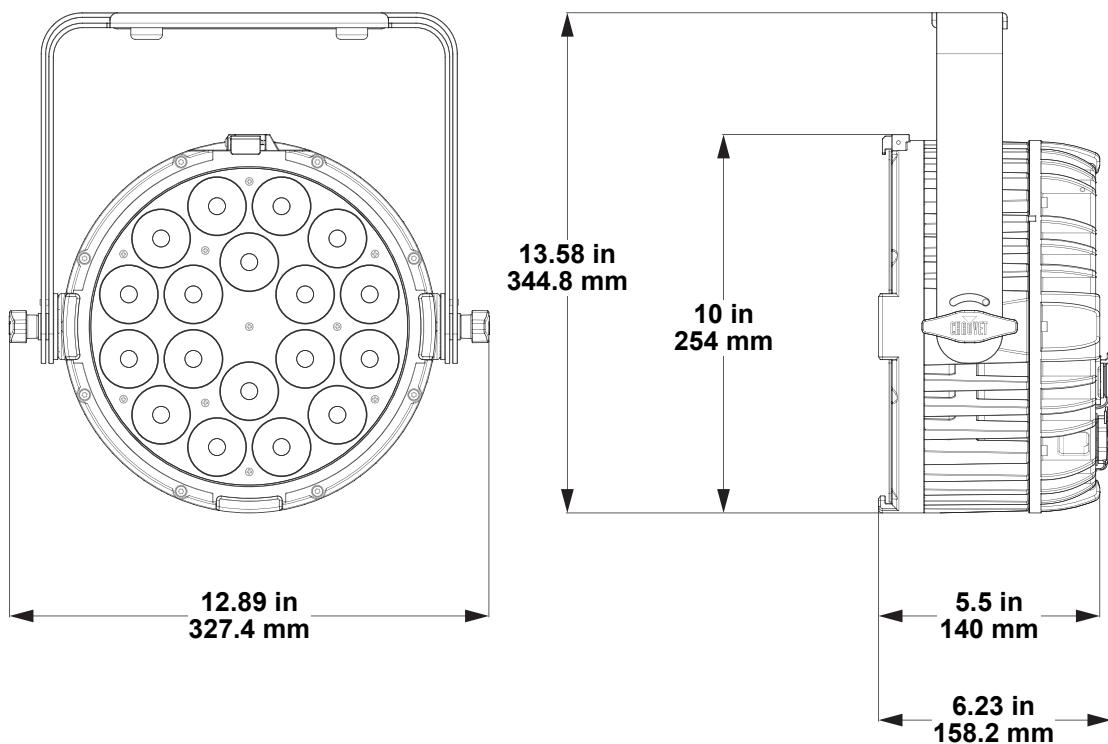
Product Overview



#	Name	#	Name
1	Menu display	5	USB-C port
2	Menu buttons	6	Safety cable pass-through
3	5-pin DMX in/out	7	Power in/out
4	3-pin DMX in/out	8	GORE® valve

Introduction

Product Dimensions



3. Setup

AC Power

The COLORdash Par-H18XIP 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). Ensure 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 COLORdash Par-H18XIP comes with a power input cable terminated with a Seetronic Powerkon A connector on one end and an Edison plug on the other end (U.S. market). If the power cable which came with the product has no plug, or if it is necessary to change the plug, 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 COLORdash Par-H18XIP 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	1.54 A	1.25 A	0.72 A	0.66 A	0.63 A

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

DMX Linking

The COLORdash Par-H18XIP can be linked to a DMX controller using a 3- or 5-pin DMX connection. If using other DMX-compatible products with this product, it's possible to control each individually with a single DMX controller.

DMX Personalities

The COLORdash Par-H18XIP uses a 3- or 5-pin DMX data connection for its 5 DMX personalities, ranging from **6CH** to **14CH**.

- Refer to the [Operation](#) chapter to learn how to configure the COLORdash Par-H18XIP to work in these personalities.
- The [DMX Channel Assignments and Values](#) section provides detailed information regarding the DMX personalities.



For 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.

Remote Device Management

Remote Device Management, or RDM, is a standard for allowing DMX-enabled devices to communicate bi-directionally along existing DMX cabling. Check the DMX controller's User Manual or with the manufacturer as not all DMX controllers have this capability. The COLORdash Par-H18XIP supports RDM protocol that allows feedback to make changes to menu map options.

Setup

Master/Slave Connectivity

The Master/Slave mode allows an COLORdash Par-H18XIP (the master) to control one or more COLORdash Par-H18XIP products (the slaves) without a DMX controller. One COLORdash Par-H18XIP becomes the master when running an auto program or 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 [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: www.chauvetprofessional.com.

USB Software Update

The COLORdash Par-H18XIP allows for software updates with a USB device using the built-in USB port. To update the software using a USB type C flash drive, do the following:

1. Power on the product, and plug the flash drive into the USB port.
2. Once the flash drive has been detected, the message "**USB UPDATE**" will be displayed. Select **YES**.
3. The next screen will show the software versions available for this fixture on the USB drive. For multiple versions of the software for the same fixture, use **<UP>** or **<DOWN>** to select the desired version. Press **<ENTER>**.
4. The "**USB UPDATE**" screen will re-appear. Select **YES**.



It is possible to update multiple units with the USB if they are daisy chained via DMX.

5. The upgrade will start. **DO NOT** turn off the power or disconnect the USB while the USB LED is still blinking during the process. The screen display will read: "**USB Update Wait**". The update can take several minutes to complete.
6. When the update is completed, the fixture will automatically reboot.
7. Go to **Information** on the product's menu map and confirm the firmware revision.
8. When the boot-up process is finished, restart the product.



- Place the **.chl** file in the root directory of the USB drive.
- The product's USB port supports up to 32GB capacity and only works with FAT32 file format.



Turning off the power or removing the USB while the USB LED is still blinking during the update will cause partial or total firmware failure in the targeted fixture(s). If this occurs, please contact Chauvet.

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the [Safety Notes](#).

Orientation

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

Rigging

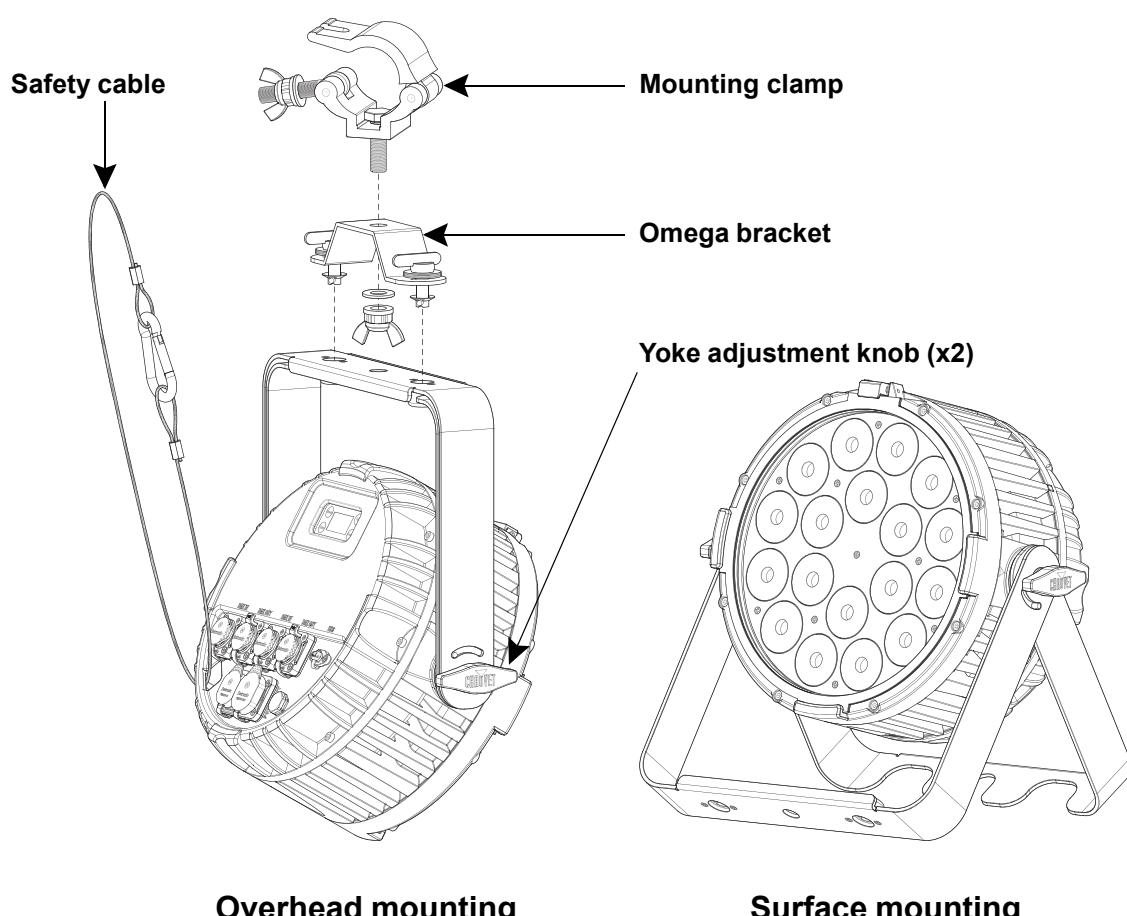
Chauvet recommends using the following general guidelines when mounting this product.

- 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 and attachment points can support the weight before hanging the product (see the [Technical Specifications](#) for weight information).
- 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 COLORdash Par-H18XIP comes with an Omega bracket. The user can directly attach a mounting clamp (sold separately) to this Omega bracket. Make sure the clamp is capable of supporting the weight of this product. For the Chauvet Professional line of mounting clamps, go to <http://www.trusst.com/products>.

Mounting Diagram



4. Operation

Control Panel Description

Button	Function
<MENU>	Exits the current menu or function
<ENTER>	Enables the currently displayed menu or sets a selected value into a function
<UP>	Navigates upwards through the menu or increases the numeric value of a function
<DOWN>	Navigates downwards through the menu or decreases the numeric value of a function

Control Options

Set the COLORdash Par-H18XIP starting address in the **001-507** DMX range. This enables control of up to 85 products in the **6CH** personality.

Programming

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

- To access the main menu, press <MENU>.
- To navigate to the desired option in the main menu, press <MENU> repeatedly until the option is indicated, or use <UP> or <DOWN> to navigate directly.
- Press <ENTER> to select the indicated option.
- Use <UP> or <DOWN> to navigate within a programming level until the desired option is indicated.
- To return to the main menu, press <MENU> repeatedly until it shows on the display.

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. Enter the passcode as described below.

Passcode

When prompted, enter the following passcode: <UP>, <DOWN>, <UP>, <DOWN>, <ENTER>.

It is not possible to change this passcode.

Menu Map

Refer to the COLORdash Par-H18XIP product page on www.chauvetprofessional.com for the latest menu map.

Main Level	Programming Levels		Description
DMX Address	001-507		Selects DMX address (highest channel restricted to personality chosen)
	6CH		6-channel: RGBAWUV
	8CH		8-channel: dimmer, RGBAWUV, strobe
	9CH		9-channel: 16-bit dimmer, RGBAWUV, strobe
	13CH		13-channel: dimmer, RGBAWUV, strobe, color macro, color temperature, auto program and speed, dimmer speed
	14CH		14-channel: 16-bit dimmer, RGBAWUV, strobe, color macro, color temperature, auto program and speed, dimmer speed
DMX Channel	Fixed Color	R	Red
		G	Green
		B	Blue
		A	Amber
		W	White
		UV	Ultraviolet (UV)
Static	Dimmer 000-255	000-255	

Main Level	Programming Levels		Description
Static (cont.)	Fixed Color (cont.)	Dimmer 000-255	RG
			RB
			RA
			RW
			RUV
			GB
			GA
			GW
			GUV
			BA
			BW
			BUV
			AW
			AUV
			WUV
			RGB
			RGA
			RGW
			RGUV
			RBA
			RBW
			RBUV
			RAW
			RAUV
			RWUV
			GBA
			GBW
			GBUV
			GAW
			GAUV
			GWUV
			BAW
			BAUV
			BWUV
			AWUV
			RGBA
			RGBW
			RGBUV
			RGAW
			RGAUV
			RGWUV
			RBAW
			RBAUV
			RBWUV
			RAWUV
			GBAW
			GBAUV
			GBWUV
			GAWUV

Operation

Main Level	Programming Levels			Description	
Static (cont.)	Fixed Color (cont.)	BAWUV	Dimmer 000–255	Blue, amber, white, and UV	
		RGBAW		Red, green, blue, amber, and white	
		RGBAUW		Red, green, blue, amber, and UV	
		RGBWUV		Red, green, blue, white, and UV	
		RGAUV		Red, green, amber, white, and UV	
		RBAUV		Red, blue, amber, white, and UV	
		GBAWUV		Green, blue, amber, white, and UV	
		RGBAWUV		Red, green, blue, amber, white, and UV	
	Color Temperature	Warm White 1	Dimmer 000–255	Preset white color temperatures	
		Warm White 2			
		Warm White 3			
		Neutral White 1			
		Neutral White 2			
		Neutral White 3			
	Manual Color Mixer	Daylight 1	000–255	Combine red, green, blue, amber, white, and UV to make a custom color temperature	
		Daylight 2			
		Daylight 3			
		Daylight 4			
		Red			
		Green			
Auto Show	Auto 1–5	001–100		Selects automatic programs and program speed	
		Master		DMX mode (Master)	
Master/ Slave	Slave		Slave mode		
	Off		Linear dimmer		
Dimmer Speed	Dimmer 1–3		Dimmer speed, fast (1) to slow (3)		
	Off		Uses factory default white setting		
White Balance	Manual	Red	125–255	Sets red LED maximum value	
		Green		Sets green LED maximum value	
		Blue		Sets blue LED maximum value	
		Amber		Sets amber LED maximum value	
		White		Sets white LED maximum value	
		UV		Sets UV LED maximum value	
		600Hz		Sets the PWM frequency	
		1200Hz			
LED Frequency		2000Hz			
		4000Hz			
		6000Hz			
		25KHz			
		10S			
Back Light	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		

Main Level	Programming Levels		Description
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	<V1.231201>	Shows current firmware version
	UID	<_____>	Shows product UID
Reset Factory	NO		Resets the product to factory default settings
	YES		
System Update	NO		Update firmware via USB
	YES		

DMX Configuration

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

DMX Personalities

To set the DMX personality:

1. Go to the **DMX Channel** main level.
2. Select the desired personality, from **6CH**, **8CH**, **9CH**, **13CH**, or **14CH**.
 - See the [Starting Address](#) section for the highest selectable starting address 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 controller. All products with the same starting address will respond in unison. To set the starting address in DMX mode:

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

Personality	Highest Address	Products per Universe
6CH	507	85
8CH	505	64
9CH	504	56
13CH	500	39
14CH	499	36

DMX Channel Assignments and Values

6	8	9	13	14	Function	Value	Percent/Setting
-	1	1	1	1	Dimmer	000 ⇄ 255	0–100%
-	-	2	-	2	Fine dimmer	000 ⇄ 255	0–100%
1	2	3	2	3	Red	000 ⇄ 255	0–100%
2	3	4	3	4	Green	000 ⇄ 255	0–100%
3	4	5	4	5	Blue	000 ⇄ 255	0–100%
4	5	6	5	6	Amber	000 ⇄ 255	0–100%
5	6	7	6	7	White	000 ⇄ 255	0–100%
6	7	8	7	8	UV	000 ⇄ 255	0–100%
-	8	9	8	9	Strobe	000 ⇄ 010	No function
						011 ⇄ 255	Strobe, slow to fast
-	-	-	9	10	Color macro	000 ⇄ 010	No function
						011	Red full
						012 ⇄ 029	Red full, green increases
						030	Red and green full
						031 ⇄ 049	Green full, red decreases
						050	Green full
						051 ⇄ 069	Green full, blue increases
						070	Green and blue full
						071 ⇄ 089	Blue full, green decreases
						090	Blue full
						091 ⇄ 109	Blue full, red increases
						110	Red and blue full
						111 ⇄ 129	Red full, blue decreases
						130	Red full
						131 ⇄ 149	Red full, green and blue increase
						150	Red, green, and blue full
						151 ⇄ 169	Blue full, red and green decrease
						170	Blue full
						171 ⇄ 200	Red, green, and blue full
						201 ⇄ 255	Color temperature, warm to cool
-	-	-	10	11	Color temperature	000 ⇄ 005	No function
						006 ⇄ 025	Warm white 1
						026 ⇄ 050	Warm white 2
						051 ⇄ 075	Warm white 3
						076 ⇄ 100	Neutral white 1
						101 ⇄ 125	Neutral white 2
						126 ⇄ 150	Neutral white 3
						151 ⇄ 175	Daylight 1
						176 ⇄ 200	Daylight 2
						201 ⇄ 225	Daylight 3
						226 ⇄ 250	Daylight 4
						251 ⇄ 255	No function

6	8	9	13	14	Function	Value	Percent/Setting
-	-	-	11	12	Automatic program	000 ⇄ 010	No function
						011 ⇄ 060	Automatic program 1
						061 ⇄ 110	Automatic program 2
						111 ⇄ 160	Automatic program 3
						161 ⇄ 210	Automatic program 4
						211 ⇄ 255	Automatic program 5
–	–	–	12	13	Program speed	000 ⇄ 255	Automatic program speed, slow to fast
–	–	–	13	14	Dimmer mode	000 ⇄ 051	Preset dimmer speed from display menu
						052 ⇄ 101	Linear dimmer
						102 ⇄ 152	Dimmer mode 1 (fastest)
						153 ⇄ 203	Dimmer mode 2
						204 ⇄ 255	Dimmer mode 3 (slowest)

Standalone Configuration

Fixed Color

To select a preset fixed color combination:

1. Go to the **Static** main level.
2. Select the desired combination of **R** (red), **G** (green), **B** (blue), **A** (amber), **W** (white), and/or **UV** (ultraviolet), from **R**, **G**, **B**, **A**, **W**, **UV**, **RG**, **RB**, **RA**, **RW**, **RUV**, **GB**, **GA**, **GW**, **GUV**, **BA**, **BW**, **BUV**, **AW**, **AUV**, **WUV**, **RGB**, **RGA**, **RGW**, **RGUV**, **RBA**, **RBW**, **RBUV**, **RAW**, **RAUV**, **RWUV**, **GBA**, **GBW**, **GBUV**, **GAW**, **GAUV**, **GWUV**, **BAW**, **BAUV**, **BWUV**, **AWUV**, **RGBA**, **RGBW**, **RGBUV**, **RGAW**, **RGAUV**, **RGWUV**, **RBAW**, **RBAUV**, **RBWUV**, **RAWUV**, **GBAW**, **GBAUV**, **GBWUV**, **GAWUV**, **BAWUV**, **RGBAW**, **RGBBAUV**, **RGBWUV**, **RGAUV**, **RBAWUV**, **GBAWUV**, or **RGBBAWUV**.

Color Temperature

To select a preset color temperature:

1. Go to the **Static** main level.
2. Select the **Color Temperature** option.
3. Select the color temperature, from **Warm White 1**, **Warm White 2**, **Warm White 3**, **Neutral White 1**, **Neutral White 2**, **Neutral White 3**, **Daylight 1**, **Daylight 2**, **Daylight 3**, or **Daylight 4**.

Manual Color Mixer

To manually mix a custom static color:

1. Go to the **Static** main level.
2. Select the **Manual Color Mixer** option.
3. Select the color value to alter, from **Red**, **Green**, **Blue**, **Amber**, **White**, or **UV**.
4. Set the value of the selected color, from **000–255**.

Auto Show

To select an automatic program:

1. Go to the **Auto show** main level.
2. Select the program, from **Auto 1–5**.
3. Set the program speed, from **001–100**.

Operation

Settings Configuration

Master/Slave

To set the COLORdash Par-H18XIP product to master or slave mode:

1. Go to the **Master/Slave** main level.
2. Select from **Master** (sends control signal) or **Slave** (receives control signal).
 - **Configure all the slave products before connecting the master to the daisy chain.**
 - **Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master.**
 - **Do not connect more than 31 slaves to the master.**

Dimmer Speed Mode

To set the dimmer speed:

1. Go to the **Dimmer Mode** main level.
2. Select the dimmer speed mode from **Off** (instant), **Dimmer 1** (fastest), **Dimmer 2**, or **Dimmer 3** (slowest).

White Balance

This setting determines the maximum output values for each color, which affects the appearance of the total color output.

1. Go to the **White Balance** main level.
2. Select from **Off** (uses factory default white setting) or **Manual** (uses a custom white balance).
3. Select the color value to alter, from **Red**, **Green**, **Blue**, **Amber**, **White**, or **UV**.
4. Set the maximum value of the selected color, from **125–255**.

LED Frequency

To adjust the frequency of the pulse width modulation:

1. Go to the **LED Frequency** main level.
2. Select the frequency, from **600Hz**, **1200Hz**, **2000Hz**, **4000Hz**, **6000Hz**, or **25kHz**.

Back Light

To set how long before an inactive display will turn off:

1. Go to the **Back Light** main level.
2. Select the length of the backlight timer, from **10S** (10 seconds), **30S** (30 seconds), **2Min** (2 minutes), or **Always On**.

Key Lock

To lock the display with a passcode:

1. Go to the **Key Lock** main level.
2. Select **On** (lock the display) or **Off** (unlock the display).

Information

To view essential product information:

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

Factory Reset

To reset the product to factory settings:

1. Go to the **Reset Factory** main level.
2. Select **NO** (to cancel) or **YES** (to reset the product configuration).

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 each lighting product 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.



Dry off this product before storing it in the case. Failure to do so may result in deterioration of the product's housing.

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.cm)	Torque Rating (lbf.in)
Top cover screw 1	20.15	1.483
Top cover screw 2	21.04	1.549
Top cover screw 3	21.85	1.628
Bottom cover screw 1	17.77	1.308
Bottom cover screw 2	19.57	1.441
Bottom cover screw 3	18.97	1.396

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	15 kPa
Test duration	30 seconds
PASS state leak pressure	<0.1 kPa

Technical Specifications

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
13.58 in (344.8 mm)	12.89 in (327.4 mm)	6.23 in (158.2 mm)	14.4 lb (6.6 kg)

Note: Dimensions in inches are rounded.

Power

Power Supply Type		Range		Voltage Selection	
Parameter	100 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	240 V, 50 Hz
Consumption	154 W	154 W	148 W	150 W	149 W
Operating Current	1.54 A	1.25 A	0.72 A	0.66 A	0.63 A
Power Linking Current (products)	12 A (7 products)	12 A (9 products)	12 A (16 products)	12 A (18 products)	12 A (19 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 Cable plug		Edison		Local plug	

Light Source

Type	Color	Quantity
LED	HEX-color RGBAWUV	18

Photometrics

Color Temperature Range	Color Temperature at Full		
2,800 to 10,000 K	8,439 K		
Beam Angle	Field Angle	Lumens	Illuminance @ 5 m
25.4°	39°	5,567	1,106 lux

Thermal

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

Control

DMX I/O Connector	Channel Range
3- and 5-pin XLR	6, 8, 9, 13 or 14

Ordering

Product Name	Item Name	Item Code	UPC Number
COLORdash Par-H18XIP	COLORDASHPARH18XIP	10032274	781462226220

RoHS



 MET[®]
UL 1573
CSA C22.2 No. 166
E113093



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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.