COLOR*dash* Par-H18X

User Manual

Model ID: COLORDASHPARH18X

Edition Notes

The COLORdash Par H18X User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the COLORdash Par H18X 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 COLORdash Par H18X User Manual is the 1st edition of this document. Go to www.chauvetprofessional.com for the latest version.

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1. Before You Begin

What Is Included

- COLORdash Par H18X
- Seetronic Powerkon IP65 power cord
- Gel frame holder
- Omega bracket
- 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 your 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
⚠	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.**

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.

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 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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.**

Personal Safety

- Avoid direct eye exposure to the light source while the product is on.
- Always disconnect the product from the power source before cleaning or replacing the fuse.
- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Do not touch the product's housing when operating because it may be very hot.

Mounting and Rigging

- The product is intended for professional use only.
- Do not submerge this product (IP65). Temporary outdoor operation is fine.
- When using this product in an outdoor environment, use IP65 (or higher) rated power and data cables. Secure unused power and data ports with attached IP65 covers.
- CAUTION: When transferring 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 product to fully acclimate to the surrounding environment before connecting it to power.
- Not for permanent outdoor installation 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 the normal high or low temperatures exceed the temperature ranges in this manual.
    - Locations that are prone to flooding or being buried in snow.
    - Areas where the product will be subjected to extreme radiation or caustic substances.
- Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- The product should be positioned so that prolonged staring into it at a distance closer than 19.7 in (50 cm) is not expected.
- Make sure there are no flammable materials within 7.87 in (20 cm) of this product while it is operating.
- When hanging this product, always secure to a fastening device using a safety cable.
- Never carry the product by the power cord.

Power and Wiring

- Make sure the power cord is not crimped or damaged.
- Ensure that the product is connected to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- 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 this product to a dimmer pack or rheostat.
- Make sure to replace the fuse with another of the same type and rating.
- Never disconnect this product by pulling or tugging on the power cable.
- If the external flexible cable or cord of this product is damaged, it shall be replaced with a special cable 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, its service agent, or a similarly qualified person.

Operation

- Do not operate this product if there is damage on the housing, lenses, or cables. Have the damaged parts replaced by an authorized technician at once.
- Do not cover the ventilation slots when operating to avoid internal overheating.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate the 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.
- In the event of a serious operation problem, stop using this product immediately!

📝 **If your Chauvet product requires service, contact Chauvet Technical Support.**

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

The COLORdash Par H18X is an IP65 full-spectrum LED soft light with a 1x1 format for outdoor or indoor operation. Ready for any broadcast setting, the COLORdash Par H18X features high CRI/ TLC and TM-30 scores, a smooth 16-bit dimming curve, +/- green adjustment, an emulated redshift, built-in customizable effects, and a drop-in slot for easy changing of accessories. Mounting options include a Jr Pin and an Omega Bracket. PWM, DMX, RDM, CRMX™, Art-Net™, sACN, and an onboard control option ensure camera-ready use. An optional 28 VDC input via 3-pin XLR enables use of an external battery pack to add increased flexibility for all remote needs.

Features

- Full-spectrum LED 1x1 format soft light panel style fixture for broadcast, film, and special events
- IP65 rating for all weather use indoors or out.
- Linear color temperature presets from 2800 K to 8000 K with high CRI and CQS
- Virtual color wheel with color matched to popular gel colors
- +/- Green adjustment and emulated red-shift via DMX or on-board control
- RDM (Remote Device Management) and CRMX Wireless Control for added flexibility
- Adjustable PWM (Pulse Width Modulation) to avoid flickering on camera
- Virtually silent operation for use in studio applications
- Ultra-smooth 16-bit dimming curves and speeds to complement any lighting scheme.
- Easily switch mounting options from Jr Pin to Omega Bracket
- Drop-in slot for diffusers and intensifier filter (sold separately)
- Rugged design for years of rough use in the most extreme conditions.
- Easy to use on-board control with full access to all the features of the fixture without the need for a dedicated controller.
- USB port for fixture software updates
- 28 VDC power input via 3-pin XLR to power the fixture from an external battery pack

Product Overview

Product Dimensions

12.45 in
316.4 mm

4.38 in
111.5 mm

8.68 in
220.7 mm

9.25 in
235 mm
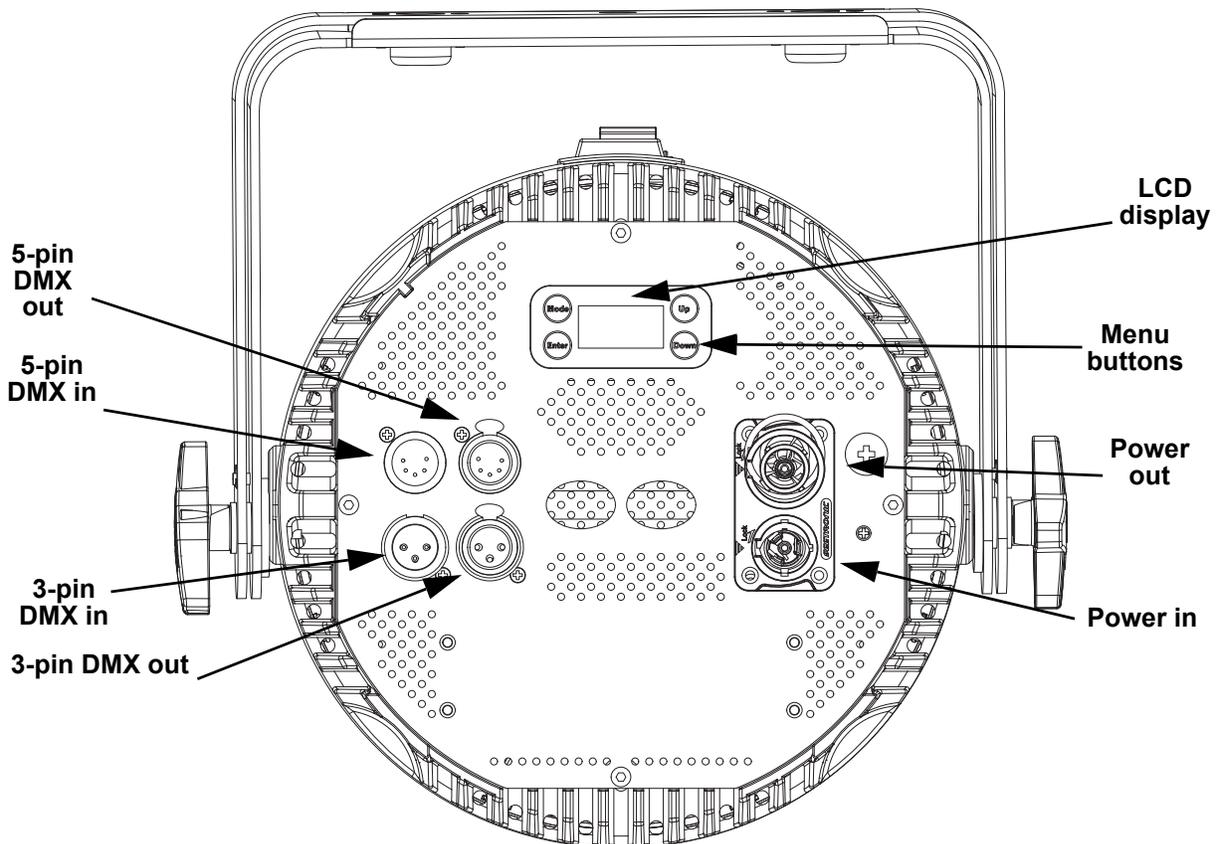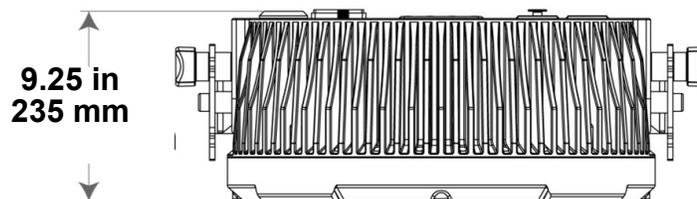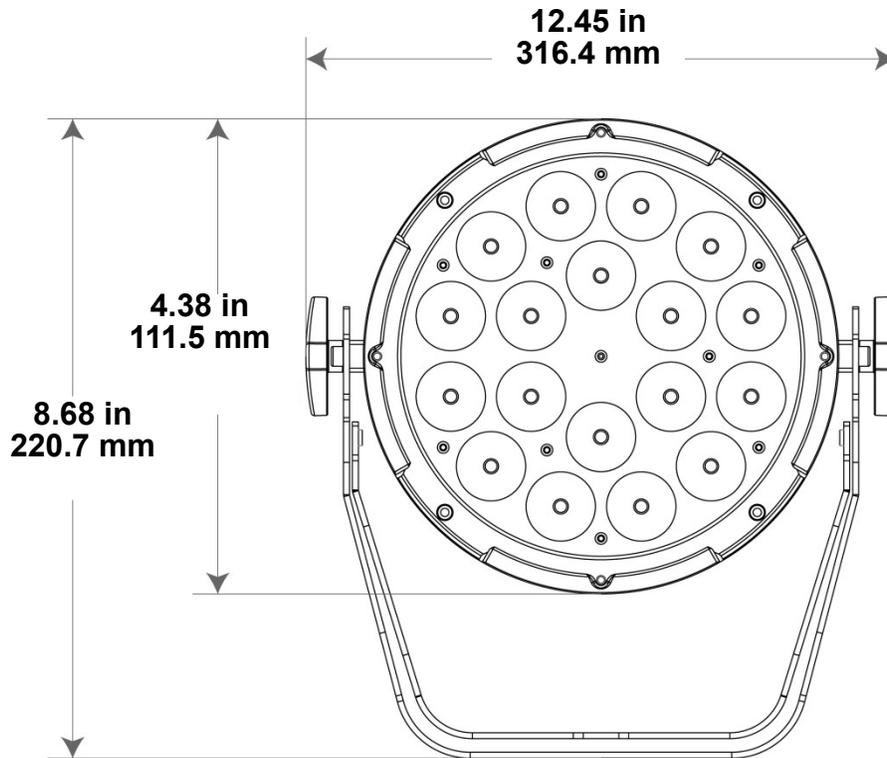
3. Setup
AC Power
The COLORdash Par H18X has an auto-ranging power supply and it can work with an input voltage range of 100 to 240 VAC, 50/60 Hz.

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 COLORdash Par H18X comes with a power input cord terminated with a Seetronic Powerkon IP65 connector on one end and an Edison plug on the other end (U.S. market). If the power input cord that came with your product has no plug, or if you need the change the plug, 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
The product supports power-linking. It is possible to power link up to 7 products at 100 V, up to 9 products at 120 V, up to 15 products at 208 V, up to 17 products at 230 V, or up to 17 products at 240 V.

This product comes with a power input cord. Power-linking cables are available for purchase from Chauvet.

DC Power
The COLORdash Par H18X has a 3-pin IP65 XLR power input that can work with an input voltage of 28 VDC which is SELV voltage supplied by short-circuit-proof power supply.

📝 **If AC power and DC power are input to the product at the same time, the product will automatically give priority to AC power input.**

USB Software Update
The COLORdash Par H18X allows for software update through USB using the built-in USB port. To update the software using a USB type C flash drive, do the following:
1. Power on the fixture and plug the flash drive into the USB port.
2. Once the flash drive has been detected, the message "**Upgrade Firmware**" will be displayed. Press <**ENTER**>. If a different message appears on the display, search for the update software in the main menu (**Upgrade Firmware**) and select from **Only This Fixture**, **Multiple Fixture**, or **Other Fixture Type**. A list of the software update files will be displayed.
3. Select the file that needs to be uploaded. The message "**Are you sure?**" will be displayed. Press <**ENTER**>.
4. If the selected file is correct, the update will be completed. Restart the product.
   If the selected file is incorrect, the update will fail, and the display will go back to the main interface. Repeat steps 1-3 using the correct file.

ⓘ **The "Other Fixture Type" option can only be selected for connected products compatible with the Upload 03 (the first 2 digits on the item code must be 03).**

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

Signal Connections

The COLORdash Par H18X can receive a DMX, Art-Net™, sACN, or a wireless Lumenradio CRMX™ signal. The product has 2 Seetronic Etherkon-compatible through ports and 5-pin DMX in and out ports. If using other compatible products with this product, you can control each individually with a single controller.

Control Personalities

The COLORdash Par H18X uses a 5-pin DMX data connection, Art-Net™, sACN, or wireless CRMX™ for its 14 control personalities, ranging from **6Ch** to **14Ch**.

- Refer to the Operation chapter to learn how to configure the COLORdash Par H18X to work in these personalities.
- The Control Channel Assignments and Values section provides detailed information regarding the control personalities.

> **If not familiar with or need 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.**

DMX Linking

The COLORdash Par H18X can be linked to a DMX controller using a 5-pin DMX connection or a CRMX™ connection. For more information about DMX, read the DMX primer at: https://www.chauvetprofessional.com/wp-content/uploads/2016/06/DMX_Primer.pdf.

Remote Device Management (RDM)

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 H18X supports RDM protocol that allows feedback to make changes to menu map options.

sACN Connection

Also known as ANSI E1.31, streaming ACN is an Ethernet protocol that uses the layering and formatting of Architecture for Control Networks to transport DMX512 data over IP or any other ACN compatible network.

Ethernet Connection Diagram

Switch or router

Computer/controller
(running Art-Net™ or sACN protocol)

COLORdash Par H18X

To other Art-Net™ or sACN devices
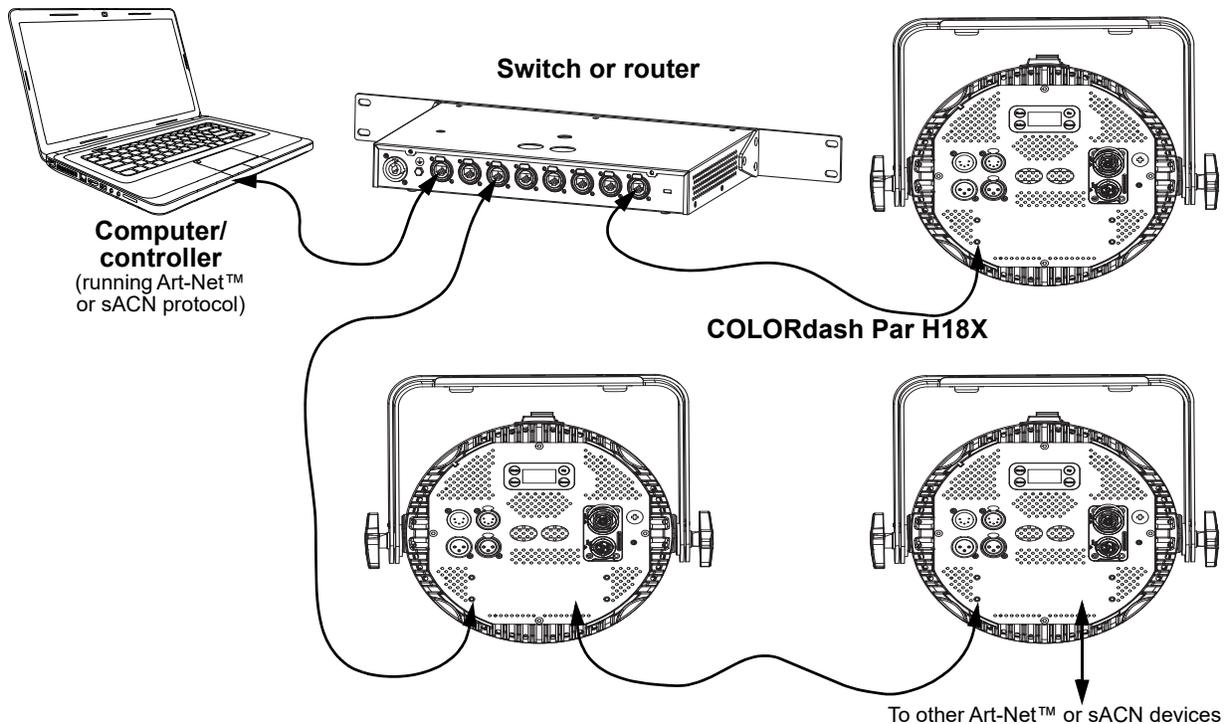
Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes. For our 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 onto which the product is being mounted can support the product's weight. 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.

Procedure

The COLORdash Par H18X comes with an omega bracket and a junior pin. Mounting clamps are sold separately. Make sure the clamps are capable of supporting the weight of this product. Use at least two mounting points per product. For the CHAUVET Professional line of mounting clamps, go to http://www.trusst.com/products.

Mounting Diagram

Mounting clamp

Safety cable

Overhead mounting

Surface mounting

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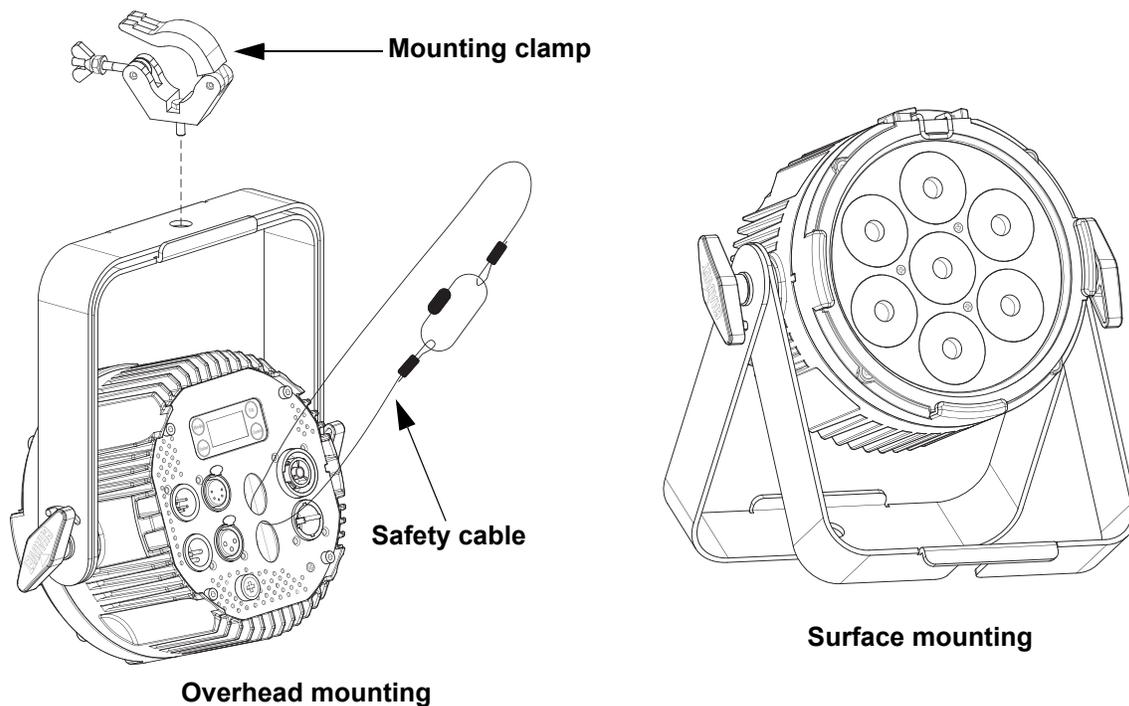
4. Operation

Control Panel Description

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

Passcode

When prompted, enter the following passcode: **<UP>**, **<DOWN>**, **<UP>**, **<DOWN>**, **<ENTER>**.
This passcode cannot be changed.

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 go to the desired main level, press **<MENU>** repeatedly until the option shows on the display. Press **<ENTER>** to select.
- 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.
- Press **<MENU>** repeatedly to exit to the previous main level.

DMX Personalities

The COLORdash Par H18X uses a 3- or 5-pin DMX data connection for its DMX personalities: **6Ch**, **8Ch**, **9Ch**, **13Ch**, and **14Ch**.

- Refer to the Introduction for a brief description of each DMX personality.
- Refer to the Operation chapter to learn how to configure the COLORdash Par H18X to work in these personalities.
- The DMX Values section provides detailed information regarding the DMX 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.**

Master/Slave Connectivity

The Master/Slave mode allows a COLORdash Par H18X (the master) to control one or more COLORdash Par H18X products (the slaves) without a DMX controller. One COLORdash Par H18X becomes the master when running in auto show or VCW modes.

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.**

Remote Device Management (RDM)

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 H18X supports RDM protocol that allows feedback to make changes to menu map options.

Menu Map

Refer to the COLORdash Par H18X product page on www.chauvetprofessional.com for the latest menu map.

Main Level	Programming Levels		Description
DMX Address	**001–507**		Sets the starting address
DMX Channel	**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 programs and speed, dimmer mode
	14CH		14-channel: 16-bit dimmer, RGBAWUV, strobe, color macro, color temperature, auto programs and speed, dimmer mode
Static	**Fixed Color**	**R**	Red
		G	Green
		B	Blue
		A	Amber
		W	White
		UV	Ultraviolet (UV)
		RG	Red/Green
		RB	Red/Blue
		RA	Red/Amber
		RW	Red/White
		RUV	Red/UV
		GB	Green/Blue
		GA	Green/Amber
		GW	Green/White
		GUV	Green/UV
		BA	Blue/Amber
		BW	Blue/White
		BUV	Blue/UV
		AW	Amber/White
		AUV	Amber/UV
		WUV	White/UV
		RGB	Red/Green/Blue
		RGA	Red/Green/Amber
		RGW	Red/Green/White
		RGUV	Red/Green/UV
		RBA	Red/Blue/Amber
		RBW	Red/Blue/White
		RBUV	Red/Blue/UV

Main Level	Programming Levels		Description
Static (cont.)	**Fixed Color** (cont.)	**RAW**	Red/Amber/White
		RAUV	Red/Amber/UV
		RWUV	Red/White/UV
		GBA	Green/Blue/Amber
		GBW	Green/Blue/White
		GBUV	Green/Blue/UV
		GAW	Green/Amber/White
		GAUV	Green/Amber/UV
		GWUV	Green/White/UV
		BAW	Blue/Amber/White
		BAUV	Blue/Amber/UV
		BWUV	Blue/White/UV
		AWUV	Amber/White/UV
		RGBA	Red/Green/Blue/Amber
		RGBW	Red/Green/Blue/White
		RGBUV	Red/Green/Blue/UV
		RGAW	Red/Green/Amber/White
		RGAUV	Red/Green/Amber/UV
		RGWUV	Red/Green/White/UV
		RBAW	Red/Blue/Amber/White
		RBAUV	Red/Blue/Amber/UV
		RBWUV	Red/Blue/White/UV
		RAWUV	Red/Amber/White/UV
		GBAW	Green/Blue/Amber/White
		GBAUV	Green/Blue/Amber/UV
		GBWUV	Green/Blue/White/UV
		GAWUV	Green/Amber/White/UV
		BAWUV	Blue/Amber/White/UV
		RGBAW	Red/Green/Blue/Amber/White
		RGBAUV	Red/Green/Blue/Amber/UV
		RGBWUV	Red/Green/Blue/White/UV
		RGAWUV	Red/Green/Amber/White/UV
		RBAWUV	Red/Blue/Amber/White/UV
		GBAWUV	Green/Blue/Amber/White/UV
		RGBAWUV	Red/Green/Blue/Amber/White/UV
	Color Temperature	**Warm White 1**	Preset white color temperatures
		Warm White 2	
		Warm White 3	
		Neutral White 1	
		Neutral White 2	
		Neutral White 3	
		Daylight 1	
		Daylight 2	
		Daylight3	
		Daylight 4	

Main Level	Programming Levels			Description
Static (cont.)	Manual Color Mixer	Red	000–255	Combine red, green, blue, amber, white, and ultraviolet to make a custom color (0–100%)
		Green		
		Blue		
		Amber		
		White		
		UV		
Auto show	Auto 1–5	001–100		Automatic programs and speed
Master/Slave	Master			DMX mode (Master)
	Slave			Slave mode
Dimmer Mode	Off			Linear dimmer
	Dimmer1–3			Dimmer speed, fast (**1**) to slow (**3**)
White Balance	Off			Uses factory default white setting
	Manual	Red	125–255	Sets maximum red value
		Green		Sets maximum green value
		Blue		Sets maximum blue value
		Amber		Sets maximum amber value
		White		Sets maximum white value
		UV		Sets maximum UV value
LED Frequency	600Hz			Sets the Pulse Width Modulation frequency
	1200Hz			
	2000Hz			
	4000Hz			
	6000Hz			
	25kHz			
Back Light	10S			Display turns off after 10 seconds
	30S			Display turns off after 30 seconds
	2Min			Display turns off after 2 minutes
	Always On			Display stays on
Key Lock	On			Locks the display. Passcode: **<UP>**, **<DOWN>**, **<UP>**, **<DOWN>**, **<ENTER>**
	Off			
Information	Fixture Hours	**<_ _ _ _ _ H>**		Shows hours product has been on
	Version	**<V_._ _ _ _ _ _ _>**		Shows the current firmware version
	UID	**<_ _ _ _ _ _ _ _ _ _ _ _ >**		Shows the product UID
Reset Factory	NO			Reset to factory default settings
	YES			
System Update	**Put the update file into the USB stick and connect it to the device through an adapter cable.**			Update firmware via USB to DMX adapter cable
	NO			
	YES			

Configuration (DMX)

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

DMX Personalities

This setting allows users to choose a particular DMX personality.
1. Go to the **DMX Channel** main level.
2. Select the desired personality (**6Ch**, **8Ch**, **9Ch**, **13Ch**, or **14Ch**).

- **See the DMX Control 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.**

DMX Control

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. Select a DMX personality as shown in DMX Personalities.
2. Set the running mode:
   a. Go to the **Master/Slave** main level
   b. Select the **Master** programming level
3. Set the starting address:
   a. Go to **Start Address** main level.
   b. Select the starting address (**001**–**507**).

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

DMX Personality	Starting Address
14Ch	499
13Ch	500
9Ch	504
8Ch	505
6Ch	507

DMX Values
14Ch / 13Ch / 9Ch / 8Ch / 6Ch

6CH	8CH	9CH	13CH	14CH	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

6CH	8CH	9CH	13CH	14CH	Function	Value	Percent/Setting
–	–	–	11	12	**Automatic programs**	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)

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 your 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.**

⚠ **Do not spin the cooling fan with compressed air. Damage may result.**

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
12.45 in (316.4 mm)	4.38 in (111.5 mm)	8.68 in (220.7 mm)	10.4 lb (4.7 kg)

Note: Dimensions in inches are rounded.

Power

Power Supply Type	Range	Voltage Selection
Switching (internal)	100 to 240 VAC, 50/60 Hz	Auto-ranging
Battery (external)	28 VDC	Fixed

Parameter	100 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	240 V, 50 Hz
Consumption	161 W	155 W	153 W	152 W	152 W
Operating Current	1.580 A	1.305 A	0.773 A	0.704 A	0.679 A
Power Linking	7 products	9 products	15 products	17 products	17 products

Power I/O	U.S./Worldwide	UK/Europe
Power Input Connectors	Seetronic Powerkon IP65 3-pin IP65 XLR (28 VDC)	Seetronic Powerkon IP65 3-pin IP65 XLR (28 VDC)
Power Output Connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power Cord plug	Edison (U.S.)	Local Plug

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	HEX-color RGBWAUV	18	150 W	550 mA	50,000 hours

Photometrics

Color Temperature (Range)	Color Temperature (At Full)	Beam Angle	Field Angle	Illuminance @ 5 m
2800 to 10000 K	9507 K	23.6°	38.6°	1,207 lux

Thermal

Startup Temperature Range	Operating Temperature Range	Cooling System
-4 °F–113 °F (-20 °C–45 °C)	-22 °F–113 °F (-30 °C–45 °C)	Fan-assisted Convection

DMX

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

Art-Net™/sACN

I/O Connector	Channel Range
Seetronic Etherkon-Compatible	6Ch, 8Ch, 9Ch, 13Ch, 14Ch

Ordering

Product Name	Item Name	Item Code	UPC Number
COLORdash Par H18X	COLORDASHPARH18X	10031873	781462222215

RoHS

DMX RDM | FC | MET ® c us | UL 1573 CSA C22.2 No. 166 E113093 | UKCA | CE

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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.