

COLORDash Par-H12XM

User Manual



Model ID: COLORDASHPARH12XM

Edition Notes

The COLORdash Par H12XM User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the COLORdash Par H12XM 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.

Disclaimer

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Document Revision

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Revision	Date	Description
2	09/2026	Added instructions for optional junction box and display cover note

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Before You Begin

1. Before You Begin

What Is Included

- COLORdash Par H12XM
- 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
	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

- 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 7.55 ft (2.3 m) is not expected.
- If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or its service agent.
- The light source contained in this luminaire shall only be replaced by the manufacturer or its service agent or a similar qualified person.
- **CAUTION:**
 - This product's housing may be hot when operating. Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
 - When transferring the product from extreme temperature environments, (e.g., cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow the product to fully acclimate to the surrounding environment before connecting it to power.
 - 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.
 - Use a safety cable when mounting this product overhead.
 - Connect this product to a grounded and protected circuit.
 - Create a drip loop to ensure appropriate space for maintenance and prevent water from accumulating at the end of the wire around the fixture.
 - Install the fixture so that the connections panel faces downwards in wet environments.
 - Replace the display cover when not in use to protect the display.
- **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.
 - Mount the fixture in direct contact with other metals, as this may encourage corrosion.
 - Permanently install outdoors in locations with extreme environmental conditions. This includes, but is not limited to:
 - 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 ambient temperature is 14°F (-10°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.

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

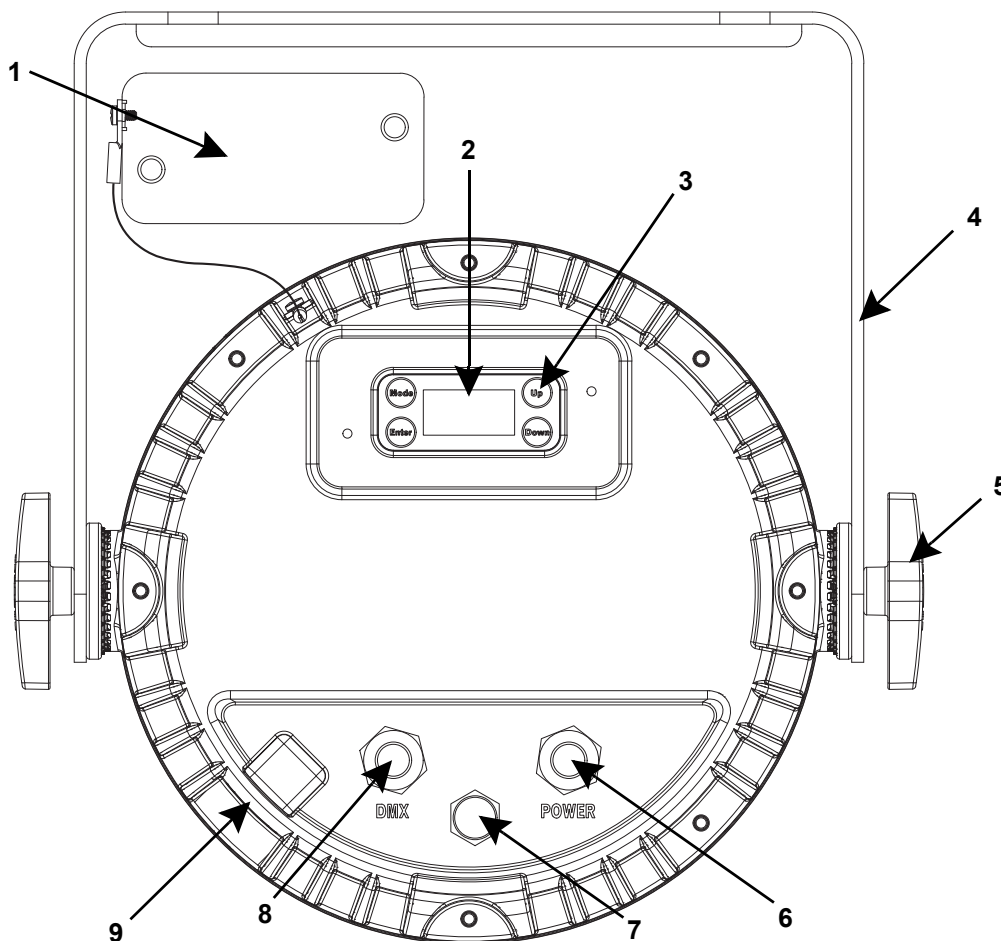
Over time, use and heat will gradually reduce LED brightness. Clustered LEDs produce more heat than single LEDs, contributing to shorter lifespans if always used at full intensity. The average LED lifespan is 40,000 to 50,000 hours. To extend LED lifespan, maintain proper ventilation around the product,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

2. Introduction

Features

- Rugged RGBWA-UV LED wash with C5-X marine-grade coating for events in demanding conditions
- At home in any weather conditions and any environment with IP-rated power and DMX connections
- Heavy-duty single yoke for rock solid installation

Product Overview

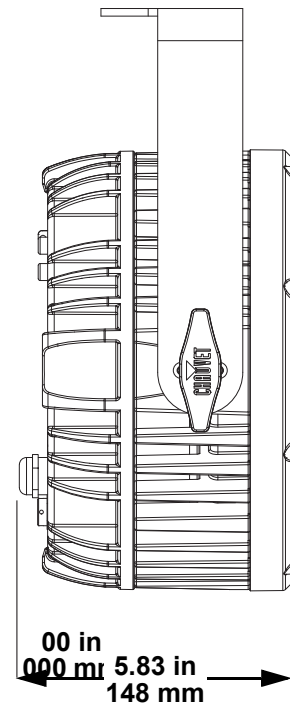
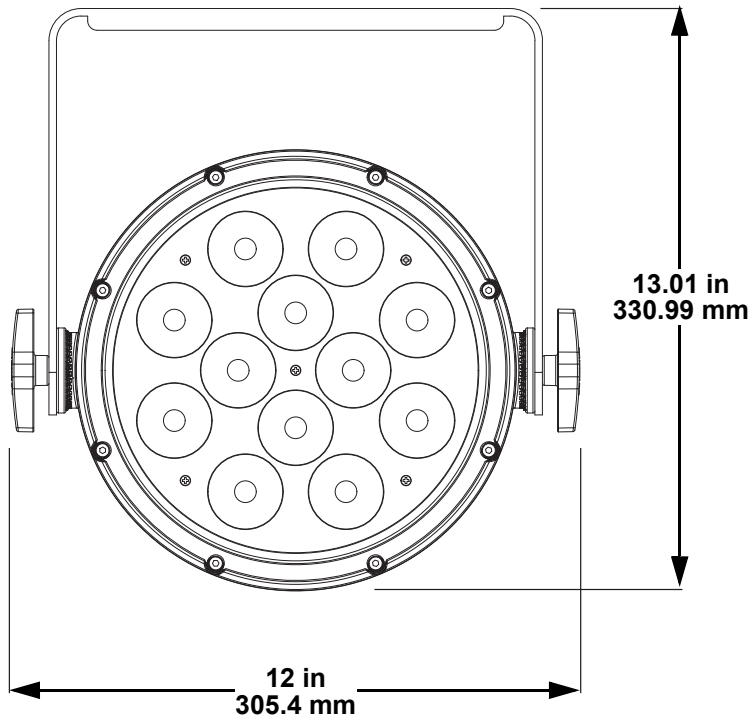


#	Name	#	Name
1	Display cover	6	Power in
2	Display	7	GORE® valve
3	Menu buttons	8	DMX in
4	Mounting bracket	9	Safety cable pass-through
5	Bracket adjustment knobs		



- Exposure to sunlight accelerates degradation of the product's OLED display. The display cover provides UV protection.
- The display cover does not waterproof the display.

Product Dimensions



3. Setup

AC Power

The COLORdash Par H12XM 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 H12XM comes with a hardwired power input cable terminated with bare wire (U.S. market). Use the table below to wire a plug.

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

Power Linking

It is possible to power link COLORdash Par H12XM 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	1.29 A	1.06 A	0.63 A	0.57 A	0.55 A
Resting	0.12 A	0.11 A	0.11 A	0.10 A	0.10 A

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

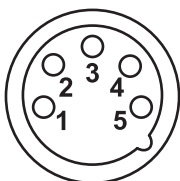
DMX Linking

The COLORdash Par H12XM 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 Connection

The COLORdash Par H12XM provides a DMX-512 connection using a bare-ended signal cable.

DMX Plug



DMX in	Function	Wire	DMX out
1	Ground	Ground	1
2	Data -	White/Orange	2
3	Data +	Green/Yellow	3
4	N/A	Red	4
5	N/A		5

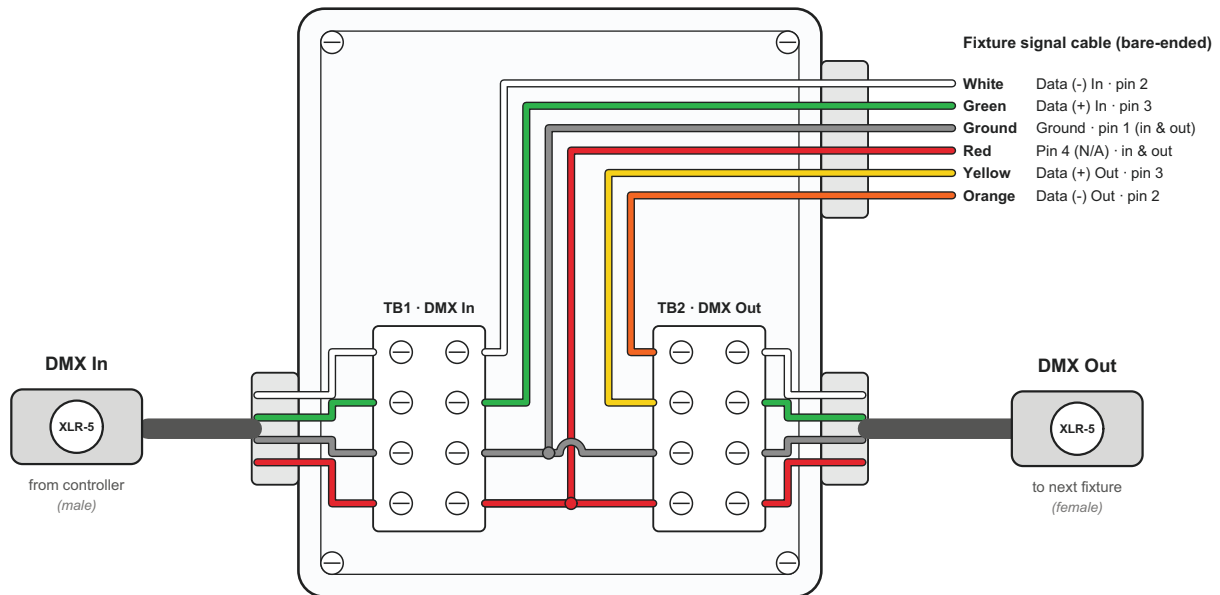
Signal Cable



Setup

Optional Junction Box installation

Users may elect to use a junction box when establishing a DMX connection. Refer to the junction box diagram below for the appropriate cabling.



- The pinout lists white/orange (Data -) and Green/Yellow (Data +) as pairs. Either wire of each pair may be in or out, but this scheme must be consistent throughout installation.
- Terminate the last fixture in the DMX chain.

DMX Personalities

The COLORdash Par H12XM uses a hardwired 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 H12XM to work in these personalities.
- The [Control 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 H12XM supports RDM protocol that allows feedback to make changes to menu map options.

Master/Slave Connectivity

The Master/Slave mode allows an COLORdash Par H12XM (the master) to control one or more COLORdash Par H12XM products (the slaves) without a DMX controller. One COLORdash Par H12XM 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 H7XM allows for software update using the USB Firmware Upload adapter (sold separately). Use the table below to connect the USB adapter.

USB	A/C Connector	USB Pin	Function	Clip	Wire	Fixture
		1	Ground	Black	Ground	
		2	Data -	White	White/Orange	
		3	5V+	Red	Red	
		4	Data +	Green	Green/Yellow	
		5	Not connected	N/A	N/A	

To update the software using a USB firmware upload adapter, do the following:

1. Power on the product and plug the flash drive into the USB firmware upload adapter.
2. Go to **"System Update"** on the main menu and press **<ENTER>**.
3. Scroll down through the directions on the display until **"NO"** and **"YES"** appear.
4. Select from **"NO"** (return to main menu), or **"YES"** (begin software update).
5. When the **"YES"** option is selected, the update will start. DO NOT turn off power or disconnect the USB during the process. The USB update can take several minutes to complete.
6. When the update is complete, the product will automatically reboot.
7. Go to the **Information** level of the product main menu and confirm the firmware revision.
8. When the boot-up process is finished, restart the product manually.



- 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, removing the USB, or not setting the fixture to the correct protocol during the update can cause partial or total firmware failure in the targeted fixture(s).

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.

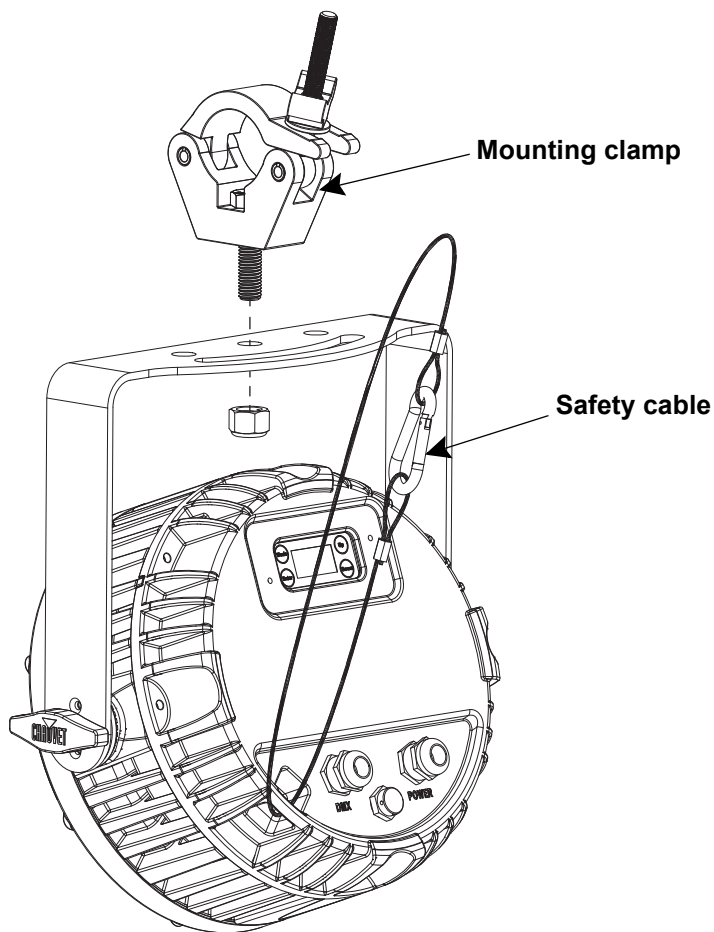
- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the [Technical Specifications](#) for weight information).
- 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 H12XM comes with an Omega/adjustable 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

<https://chauvetprofessional.com/accessory/rigging-mounting/>.

Mounting Diagram



4. Operation

Control Panel Description

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

Passcode

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

Menu Map

Refer to the COLORdash Par H12XM 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)
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

Main Level	Programming Levels		Description
Static (cont.)	Fixed Color (cont.)	RBW	Red/Blue/White
		RBUV	Red/Blue/UV
		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	

Operation

Main Level	Programming Levels			Description
Static Color	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 Speed	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		
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
Factory Reset	NO			Reset to factory default settings
	YES			
System Update	NO			Update firmware via Upload 10 (sold separately)
	YES			

DMX Configuration

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

Control Personalities

To set the control 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 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:

1. Go to the **DMX Address** main level.
2. Select the starting address (**001–507**).
 - The highest assignable starting address for **6CH** is **507**.
 - The highest assignable starting address for **8CH** is **505**.
 - The highest assignable starting address for **9CH** is **504**.
 - The highest assignable starting address for **13CH** is **500**.
 - The highest assignable starting address for **14CH** is **499**.

Control Channel Assignments and Values

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	Ultraviolet	000 ⇔ 255	0–100%
–	8	9	8	9	Strobe	000 ⇔ 010 011 ⇔ 255	Open Strobe, slow to fast
–	–	–	9	10	Color macro	000 ⇔ 010 011 012 ⇔ 029 030 031 ⇔ 049 050 051 ⇔ 069 070 071 ⇔ 089 090 091 ⇔ 109 110 111 ⇔ 129 130 131 ⇔ 149 150 151 ⇔ 169 170 171 ⇔ 200 201 ⇔ 255	No function Red full Red full, green increases Red and green full Green full, red decreases Green full Green full, blue increases Green and blue full Blue full, green decreases Blue full Blue full, red increases Red and blue full Red full, blue decreases Red full Red full, green and blue increase Red, green, and blue full Blue full, red and green decrease Blue full Red, green, and blue full Color temperature, warm to cool

6CH	8CH	9CH	13CH	14CH	Function	Value	Percent/Setting
-	-	-	10	11	Color temperature	000 ⇔ 005 006 ⇔ 025 026 ⇔ 050 051 ⇔ 075 076 ⇔ 100 101 ⇔ 125 126 ⇔ 150 151 ⇔ 175 176 ⇔ 200 201 ⇔ 225 226 ⇔ 250 251 ⇔ 255	No function Warm white 1 Warm white 2 Warm white 3 Neutral white 1 Neutral white 2 Neutral white 3 Daylight 1 Daylight 2 Daylight 3 Daylight 4 No function
-	-	-	11	12	Automatic programs	000 ⇔ 010 011 ⇔ 060 061 ⇔ 110 111 ⇔ 160 161 ⇔ 210 211 ⇔ 255	No function Automatic program 1 Automatic program 2 Automatic program 3 Automatic program 4 Automatic program 5 (auto programs 1–4)
-	-	-	12	13	Auto speed	000 ⇔ 255	Automatic program speed, slow to fast
-	-	-	13	14	Dimmer mode	000 ⇔ 051 052 ⇔ 101 102 ⇔ 152 153 ⇔ 203 204 ⇔ 255	Preset dimmer speed from display menu Linear dimmer Dimmer mode 1 (fastest) Dimmer mode 2 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 **Fixed Color** option.
3. 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, RGV, 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, RGBAU, RGBWUV, RGAWUV, RBAWUV, GBAWUV, or RGBAWUV.**

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.**

Settings Configuration

Master/Slave

The Master/Slave mode allows a group of COLORdash Par H12XM products (the slaves) to simultaneously duplicate the output of another COLORdash Par H12XM (the master) without a DMX controller.

To set each of the slaves:

1. Go to the **Master/Slave** main level
2. Select **Slave.**

To set the master:

1. Go to the **Master/Slave** main level
2. Select **Master.**
3. Select a standalone setting.



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

Dimmer Speed

This setting determines how fast the output of the COLORdash Par H12XM changes when the output value is modified. It provides four different options to simulate the dimming curve of an incandescent lighting product. To select a specific dimmer profile, do the following:

1. Go to the **Dimmer Speed** 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, **Dimmer 1** being the fastest.

Operation

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).

System Update

To update the firmware with a USB to DMX adapter cable:

1. Go to the **System Update** main level.
2. Follow the instructions (**Put the update file into the USB stick and connect it to the device through an adapter cable**).
3. Select **NO** (to cancel) or **YES** (to update the firmware).

5. Maintenance

Marine Fixture Maintenance

Overview

Chauvet coats fixtures intended for marine environments with C5-M, C5-H, or CX paint to provide enhanced protection against damage in both inshore and offshore areas of high salinity. However, even with the enhanced protection, exposure to marine conditions may cause damage to the fixture without proper maintenance. Scratches, salt, and mineral accumulation may degrade the fixture's protective coating and expose underlying metal if not cleaned properly. In marine environments, you should inspect and clean the product's protective coating regularly to preserve the underlying metal and minimize wear on the product.

Maintenance

To preserve the coating of the product, exterior maintenance is recommended at least twice a month. To properly maintain the exterior of the product:

1. Unplug the product from power.
2. Rinse off any loose dirt.



Use a low-pressure, freshwater spray to rinse off the product. High pressure or saltwater sprays may incur damage.

3. Scrub with a soft brush to remove dust collected on the external surface/vents.
4. Rinse thoroughly.



Even if the luminaires are NOT in use, maintenance is still required due to the fixture's environment. During periods of non-use, periodically wipe the fixture with a clean, soft cloth. Only dampen this cloth with freshwater or an alcohol-based cleaner. Abrasive, alkaline, or acid cleaners may incur damage to the fixture.

5. Clean the external glass.



- **Only use an optical glass cleaner. DO NOT use Windex or other kinds of multi-surface cleaner as ammonia will damage the glass.**
- **Only spray the cleaner on a microfiber or 100% cotton cloth. DO NOT spray cleaner on the glass.**



- **Always dry the transparent surfaces carefully after cleaning them.**
- **Always replace the display cover when the display is not in use to protect it from environmental conditions.**

Maintenance

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 (Nm)	Torque Rating (ft.lbf)
Front cover screws	2.36	1.74
Back cover screws	2.55	1.88

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
Testing Tool	Chauvet UP Tester
Test pressure	2.17 PSI

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
13.03 in (330.99 mm)	12 in (305.4 mm)	5.83 in (148 mm)	12 lb (5.5 kg)

Note: Dimensions in inches are rounded.

Power

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

Parameter	100 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	240 V, 50 Hz
Consumption	129 W	127 W	125 W	124 W	124 W
Operating Current	1.29 A	1.06 A	0.63 A	0.57 A	0.55 A
Resting Current	0.12 A	0.11 A	0.11 A	0.10 A	0.10 A
Power Linking Current	12 A	12 A	12 A	12 A	12 A

Power I/O	U.S./Worldwide	UK/Europe
Power Input Connector	Termination-ready bare-ended	Termination-ready bare-ended

Light Source

Type	Color	Quantity	Power	Lifespan
LED	Red	12	12 W	50,000 hours
	Green			
	Blue			
	Amber			
	White			
	Ultraviolet			

Photometrics

Color Temperature at Full	Beam Angle	Field Angle	Illuminance @ 5 m	Lumens
24487 K	20.6°	37.3°	1337 lux	5321

Thermal

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

Control

DMX I/O Connector	Channel Range
Termination-ready bare-ended	6, 8, 9, 13, or 14

Ordering

Product Name	Item Name	Item Code	UPC Number
COLORdash Par H12XM	COLORDASHPARH12XM	10032697	781462230456



UL 1573
CSA C22.2 No. 166
E113093



RoHS



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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.