COLORband PiX-M
USB
V2
User Manual
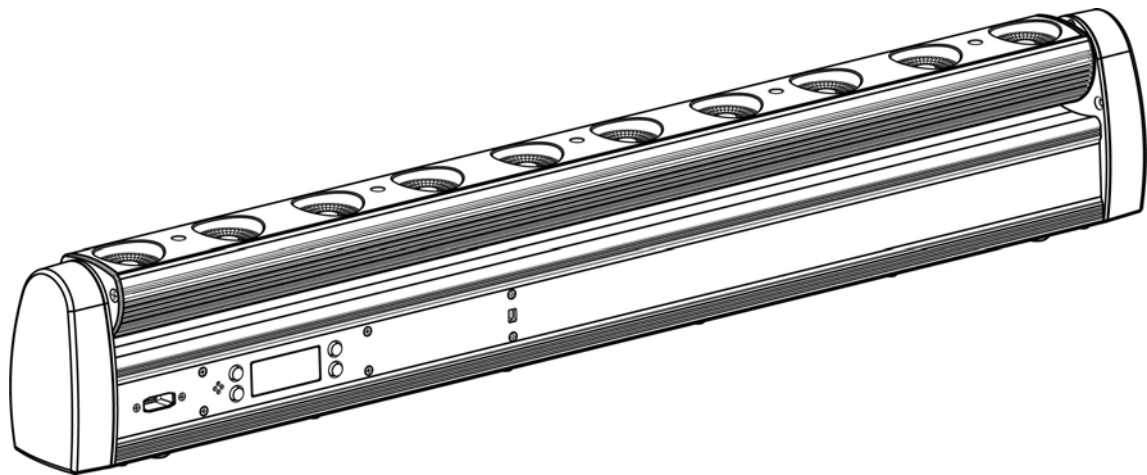
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1. Before You Begin

What Is Included

- COLORband PiX-M USB V2
- Power Cord
- Hanging Bracket with Mounting Hardware
- Warranty Card
- Quick Reference Guide

Unpacking Instructions

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

Claims

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
ON	A value to be entered or selected

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.

Disclaimer

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Product at a Glance

Use on Dimmer	🚫	Auto Programs	✔
Outdoor Use	🚫	Auto-ranging Power Supply	✔
Sound-Active	✔	Replaceable Fuse	✔
DMX	✔	User-Serviceable	🚫
Master/Slave	✔		

Safety Notes

- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Always disconnect the product from the power source before cleaning or replacing the fuse.
- Avoid direct eye exposure to the light source while the product is on.
- Make sure the power cord is not crimped or damaged.
- Never disconnect the product from power cord by pulling or tugging on the cord.
- If mounting the product overhead, always secure to a fastening device using a safety cable.
- Make sure there are no flammable materials close to the product when operating.
- Do not touch the product's housing when operating because it may be very hot.

- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.
- The product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose the product to rain or moisture.
- Always install the product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Be sure that no ventilation slots on the product's housing are blocked.
- Never connect the product to a dimmer.
- Make sure to replace the fuse with another of the same type and rating.
- Never carry the product from the power cord or any moving part. Always use the hanging/mounting bracket.
- The maximum ambient temperature (Ta) is 104 °F (40 °C). Do not operate the product at higher temperatures.
- In the event of a serious operating problem, stop using the product immediately.
- Never try to repair the product. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.
- 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.

Keep this User Manual for future use. If you sell the product to someone else, be sure that they also receive this document.

2. Introduction

Product Overview

Microphone **Menu Buttons**

D-Fi USB Port **LED Display** **Infrared Sensor**

Power Out **Fuse Holder**

Power In **3-pin DMX In/Out** **5-pin DMX In/Out**

Product Dimensions

31 in
785 mm

2.6 in
67 mm

4.8 in
123 mm
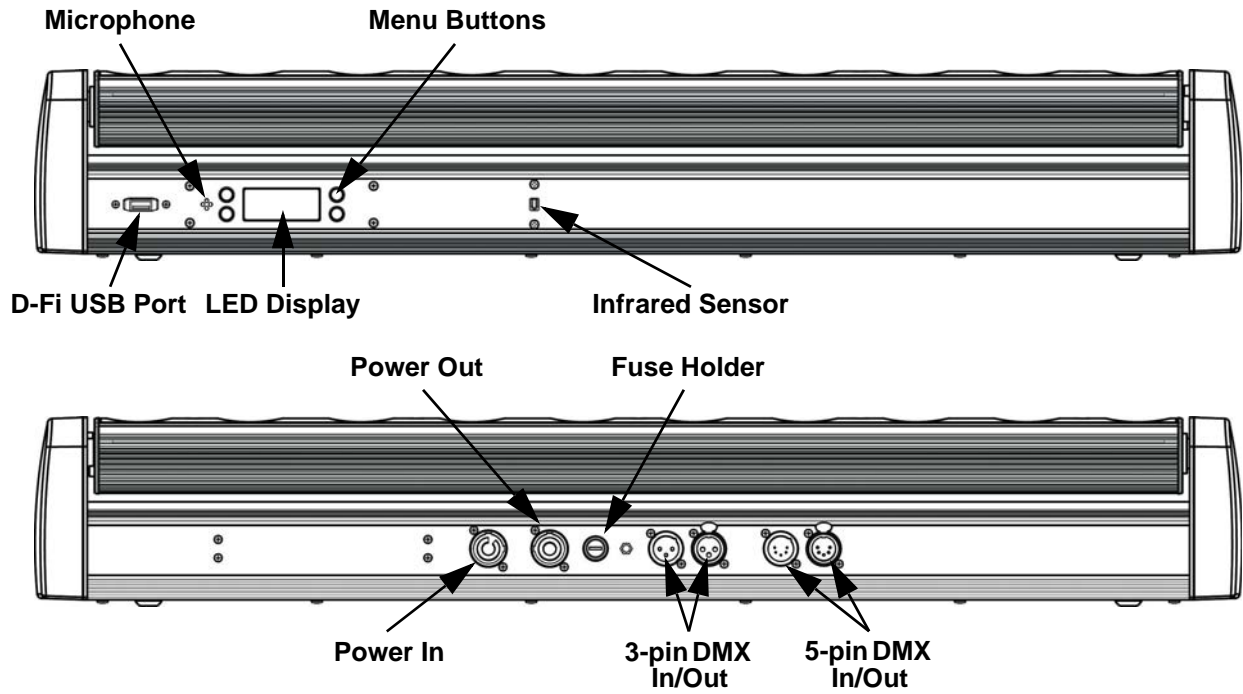
3. Setup

AC Power

The COLORband PiX-M USB V2 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.**
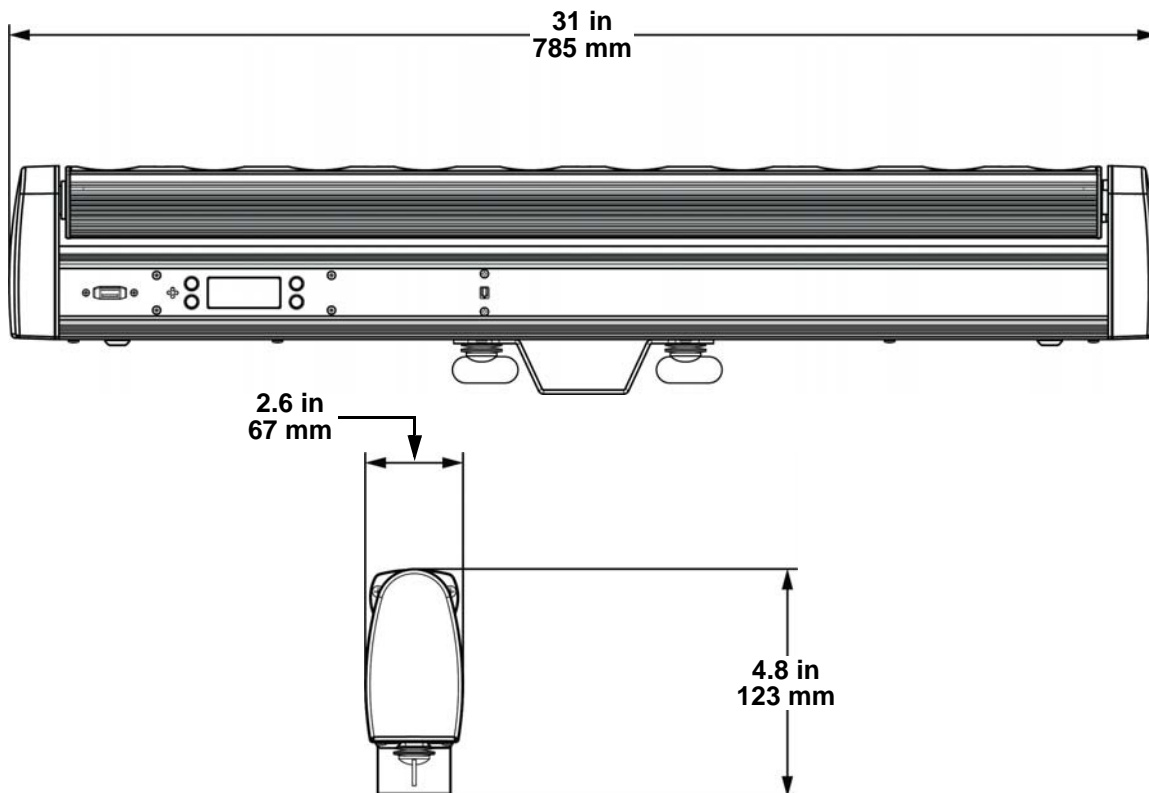
ⓘ **Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.**

Fuse Replacement

1. Disconnect the product from power.
2. Using a flat-head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse.
4. Replace with a fuse of the same type and rating.
5. Screw the fuse holder cap back in place and reconnect power.

⚠️ **Disconnect the product from the power outlet before replacing the fuse.**

Power Linking

The product provides power linking via the Edison outlet located in the back of the product. Please see the diagram below for further explanation.

Power Linking Diagram
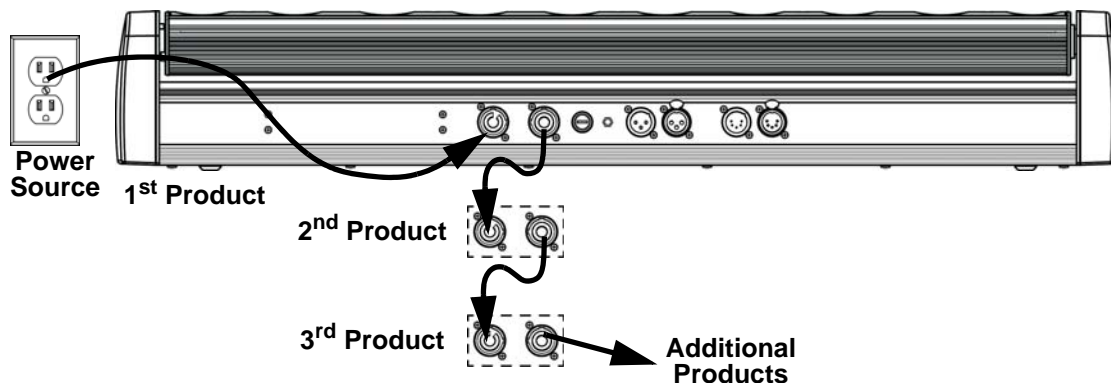
ⓘ **You can power link up to 5 COLORband PiX-M USB V2 products on 120 VAC or up to 9 COLORband PiX-M USB V2 products on 230 VAC.**

⚠️ **The power linking diagram corresponds to the North American version of the product ONLY! If using the product in other markets, you must consult with the local Chauvet distributor as power linking connectors and requirements may differ in your country or region.**

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

Orientation

The COLORband PiX-M USB V2 may be mounted in any position; however, make sure adequate ventilation is provided around the product.

Rigging

- Before deciding on a location, always make sure there is easy access to the product for maintenance and programming purposes.
- Make sure adequate ventilation is provided around the product.
- Make sure that the structure or surface onto which you are mounting the product can support the product's weight. (see the Technical Specifications)
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.
- When power linking multiple products, mount the products close enough for power linking cables to reach.

Mounting Diagram

Mounting Clamp
(such as **CLP-15** or **CLP-15N** from Chauvet)

Mounting Bracket

Safety Cable
(such as **CH-05** from Chauvet)

Safety Cable Pass-Through
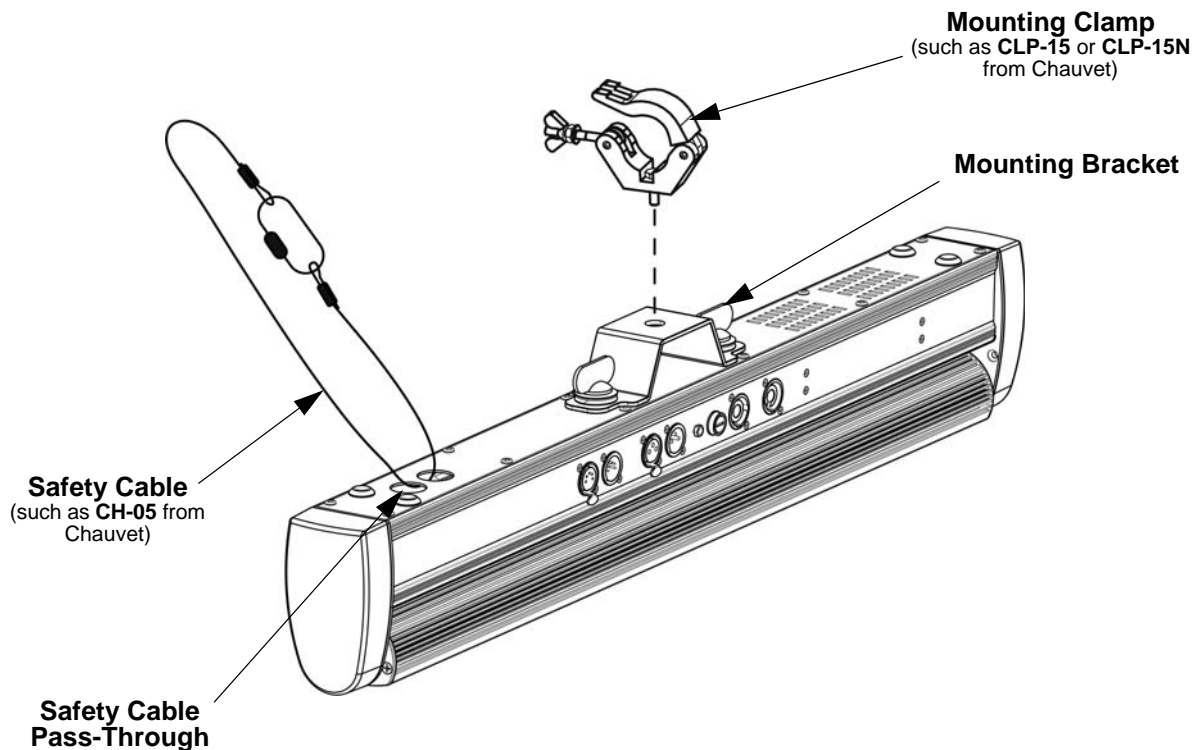
4. Operation
Control Panel Operation
To access the control panel functions, use the four buttons located underneath the display. Please refer to the Product Overview to see the button locations on the control panel.

Button	Function
<MENU>	Press to find an operation mode or to back out of the current menu option
<UP>	Press to scroll up the list of options or to find a higher value
<DOWN>	Press to scroll down the list of options or to find a lower value
<ENTER>	Press to activate a menu option or a selected value

Menu Map

Mode	Programming Levels		Description
DMX Mode	**5Ch**	**d 1–512**	5-channel DMX mode
	6Ch		6-channel DMX mode
	8Ch		8-channel DMX mode
	10Ch		10-channel DMX mode
	17Ch		17-channel DMX mode
	32Ch		32-channel DMX mode
	36Ch		36-channel DMX mode
Static Colors	**C--**	**C 1–18**	Static Colors
Tilt Setting	**t--**	**t 0–100**	Tilt setting (0–50 static, 51–100 auto, slow to fast)
Automatic Programs	**P--**	**P 1–14**	Automatic programs
Auto Speed	**S--**	**S 1–100**	Program speed for P1–10
Sound-Active Mode	**Snd**	**Snd**	Sound-active program
Sound Sensitivity	**Sens**	**u 0–100**	Sets sound sensitivity
Custom Color Mixing	**U--**	**r000–255**	Custom static colors Combine red, green, and blue
		g000–255	
		b000–255	
Infrared Mode	**SEt**	**ON**	Turns infrared on or off
		OFF	
Dimmer Speed Mode	**dIM**	**OFF**	Dimmer speed settings: Off, fast, medium, or slow
		dIM1	
		dIM2	
		dIM3	
Offset	**OFFS**	**0–255**	Sets offset (calibrates tilt)

Configuration (DMX)
The COLORband PiX-M USB V2 works with a DMX controller. Information about DMX is in the CHAUVET DMX Primer, which is available from the Chauvet website http://www.chauvetlighting.com/downloads/DMX_Primer_rev05_WO.pdf.

Starting Address
When selecting a starting DMX address, always consider the number of DMX channels the selected DMX mode uses. If you choose a starting address that is too high, you could restrict the access to some of the product's channels.

The COLORband PiX-M USB V2 uses up to 36 DMX channels, which defines the highest configurable address as **477**.

If you are not familiar with the DMX protocol, download the DMX Primer from www.chauvetdj.com.

To select the starting address, do the following:
1. Press **<MENU>** repeatedly until **5Ch**, **6Ch**, **8Ch**, **10Ch**, **17Ch**, **32Ch**, or **36Ch** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select the starting address, from **d 1–512**.
4. Press **<ENTER>**.

D-Fi USB Connectivity

The PN is able to become a D-Fi wireless receiver/transmitter with the use of the D-Fi USB from Chauvet DJ. Simply set the product's DMX Personality and DMX Address, set the DIP switch D-Fi receiving/ transmitting channel, then plug it into the D-Fi USB port.

WARNING! DO NOT plug anything other than a D-Fi USB into the USB port. Doing so may cause damage to the product.

Once plugged in, the D-Fi USB will take over the product. Wired DMX and manual display control / menu buttons will be unavailable until you unplug the D-Fi USB. The priority levels are:

1. D-Fi USB   **3. Manual Digital Display/Menu Buttons**

2. Wired DMX

Configuration (D-Fi USB)

1. Set the DMX Personality and DMX address on the COLORband PiX-M USB V2.
2. Use the Chart provided to set **BOTH**:
   - the Channel, and then
   - The Receiving or Transmitting option

NOTE: DIP Switch <u>5</u> is for Transmitting OR Receiving, please choose carefully.

D-Fi USB DIP Switch Channels

DMX Channel Assignments and Values
36Ch

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Green 1	000 ⇔ 255	0–100%
3	Blue 1	000 ⇔ 255	0–100%
4	Red 2	000 ⇔ 255	0–100%
5	Green 2	000 ⇔ 255	0–100%
6	Blue 2	000 ⇔ 255	0–100%
7	Red 3	000 ⇔ 255	0–100%
8	Green 3	000 ⇔ 255	0–100%
9	Blue 3	000 ⇔ 255	0–100%
10	Red 4	000 ⇔ 255	0–100%
11	Green 4	000 ⇔ 255	0–100%
12	Blue 4	000 ⇔ 255	0–100%
13	Red 5	000 ⇔ 255	0–100%
14	Green 5	000 ⇔ 255	0–100%
15	Blue 5	000 ⇔ 255	0–100%
16	Red 6	000 ⇔ 255	0–100%
17	Green 6	000 ⇔ 255	0–100%
18	Blue 6	000 ⇔ 255	0–100%
19	Red 7	000 ⇔ 255	0–100%
20	Green 7	000 ⇔ 255	0–100%
21	Blue 7	000 ⇔ 255	0–100%
22	Red 8	000 ⇔ 255	0–100%
23	Green 8	000 ⇔ 255	0–100%
24	Blue 8	000 ⇔ 255	0–100%
25	Red 9	000 ⇔ 255	0–100%
26	Green 9	000 ⇔ 255	0–100%
27	Blue 9	000 ⇔ 255	0–100%
28	Red 10	000 ⇔ 255	0–100%
29	Green 10	000 ⇔ 255	0–100%
30	Blue 10	000 ⇔ 255	0–100%

COLORband PiX-M USB V2 Zones for DMX Control (36Ch)
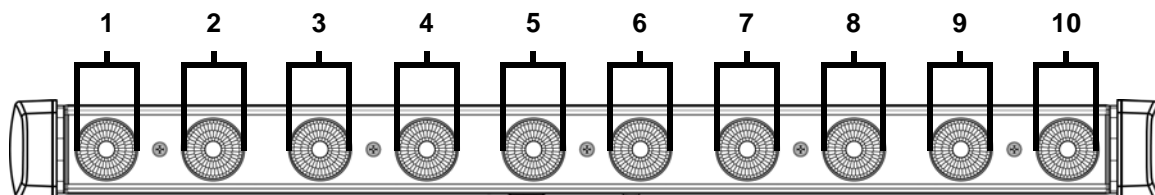
36Ch (cont.)

Channel	Function	Value	Percent/Setting
31	**Strobe** (when Ch. 32 is 000⇔031)	000 ⇔ 015	No function
		016 ⇔ 255	Strobe, slow to fast
	Program Speed (when Ch. 32 is 032⇔223)	000 ⇔ 255	Program speed, slow to fast
	Sound Sensitivity (when Ch. 32 is 224⇔255)	000 ⇔ 010	Off
		011 ⇔ 255	Sound sensitivity, low to high
32	**Auto Programs**	000 ⇔ 031	No function
		032 ⇔ 045	Auto program 1
		046 ⇔ 059	Auto program 2
		060 ⇔ 072	Auto program 3
		073 ⇔ 086	Auto program 4
		087 ⇔ 100	Auto program 5
		101 ⇔ 113	Auto program 6
		114 ⇔ 127	Auto program 7
		128 ⇔ 141	Auto program 8
		142 ⇔ 154	Auto program 9
		155 ⇔ 168	Auto program 10
		169 ⇔ 182	Auto program 11
		183 ⇔ 195	Auto program 12
		196 ⇔ 209	Auto program 13
		210 ⇔ 223	Auto program 14
		224 ⇔ 255	Sound-active program
33	**Dimmer**	000 ⇔ 255	0–100%
34	**Tilt**	000 ⇔ 255	0–100%
35	**Tilt Speed**	000 ⇔ 255	Tilt speed, fast to slow
36	**Dimmer Speed Mode**	000 ⇔ 051	Dimmer speed set from display
		052 ⇔ 101	Dimmer speed mode off
		102 ⇔ 152	Dimmer speed mode 1 - fast
		153 ⇔ 203	Dimmer speed mode 2 - medium
		204 ⇔ 255	Dimmer speed mode 3 - slow

32Ch

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Green 1	000 ⇔ 255	0–100%
3	Blue 1	000 ⇔ 255	0–100%
4	Red 2	000 ⇔ 255	0–100%
5	Green 2	000 ⇔ 255	0–100%
6	Blue 2	000 ⇔ 255	0–100%
7	Red 3	000 ⇔ 255	0–100%
8	Green 3	000 ⇔ 255	0–100%
9	Blue 3	000 ⇔ 255	0–100%
10	Red 4	000 ⇔ 255	0–100%
11	Green 4	000 ⇔ 255	0–100%
12	Blue 4	000 ⇔ 255	0–100%
13	Red 5	000 ⇔ 255	0–100%
14	Green 5	000 ⇔ 255	0–100%
15	Blue 5	000 ⇔ 255	0–100%
16	Red 6	000 ⇔ 255	0–100%
17	Green 6	000 ⇔ 255	0–100%
18	Blue 6	000 ⇔ 255	0–100%
19	Red 7	000 ⇔ 255	0–100%
20	Green 7	000 ⇔ 255	0–100%
21	Blue 7	000 ⇔ 255	0–100%
22	Red 8	000 ⇔ 255	0–100%
23	Green 8	000 ⇔ 255	0–100%
24	Blue 8	000 ⇔ 255	0–100%
25	Red 9	000 ⇔ 255	0–100%
26	Green 9	000 ⇔ 255	0–100%
27	Blue 9	000 ⇔ 255	0–100%
28	Red 10	000 ⇔ 255	0–100%
29	Green 10	000 ⇔ 255	0–100%
30	Blue 10	000 ⇔ 255	0–100%
31	Tilt	000 ⇔ 255	0–100%
32	Tilt Speed	000 ⇔ 255	Tilt speed, slow to fast

COLORband PiX-M USB V2 Zones for DMX Control (32Ch)

17Ch

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Green 1	000 ⇔ 255	0–100%
3	Blue 1	000 ⇔ 255	0–100%
4	Red 2	000 ⇔ 255	0–100%
5	Green 2	000 ⇔ 255	0–100%
6	Blue 2	000 ⇔ 255	0–100%
7	Red 3	000 ⇔ 255	0–100%
8	Green 3	000 ⇔ 255	0–100%
9	Blue 3	000 ⇔ 255	0–100%
10	Red 4	000 ⇔ 255	0–100%
11	Green 4	000 ⇔ 255	0–100%
12	Blue 4	000 ⇔ 255	0–100%
13	Red 5	000 ⇔ 255	0–100%
14	Green 5	000 ⇔ 255	0–100%
15	Blue 5	000 ⇔ 255	0–100%
16	Tilt	000 ⇔ 255	0–100%
17	Tilt Speed	000 ⇔ 255	Tilt speed, slow to fast

COLORband PiX-M USB V2 Zones for DMX Control (17Ch)
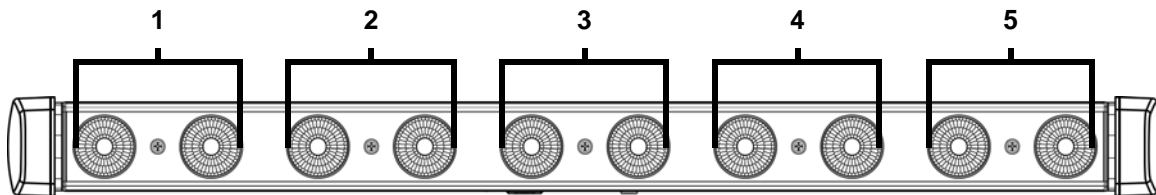
10Ch

Channel	Function	Value	Percent/Setting
1	**Red**	**000 ⇔ 255**	0–100%
2	**Green**	**000 ⇔ 255**	0–100%
3	**Blue**	**000 ⇔ 255**	0–100%
4	**Color Macros**	**000 ⇔ 015**	No function
		016 ⇔ 255	Color macros
5	**Strobe** (when Ch. 6 is 000⇔031)	**000 ⇔ 015**	No function
		016 ⇔ 255	Strobe, slow to fast
	Program Speed (when Ch. 6 is 032⇔223)	**000 ⇔ 255**	Program speed, slow to fast
	Sound Sensitivity (when Ch. 6 is 224⇔255)	**000 ⇔ 010**	Off
		011 ⇔ 255	Sound sensitivity, low to high
6	**Auto Programs**	**000 ⇔ 031**	No function
		032 ⇔ 045	Auto program 1
		046 ⇔ 059	Auto program 2
		060 ⇔ 072	Auto program 3
		073 ⇔ 086	Auto program 4
		087 ⇔ 100	Auto program 5
		101 ⇔ 113	Auto program 6
		114 ⇔ 127	Auto program 7
		128 ⇔ 141	Auto program 8
		142 ⇔ 154	Auto program 9
		155 ⇔ 168	Auto program 10
		169 ⇔ 182	Auto program 11
		183 ⇔ 195	Auto program 12
		196 ⇔ 209	Auto program 13
		210 ⇔ 223	Auto program 14
		224 ⇔ 255	Sound-active program
7	**Dimmer**	**000 ⇔ 255**	0–100%
8	**Tilt**	**000 ⇔ 255**	0–100%
9	**Tilt Speed**	**000 ⇔ 255**	Tilt speed, fast to slow
10	**Dimmer Speed Mode**	**000 ⇔ 051**	Dimmer speed set from display
		052 ⇔ 101	Dimmer speed mode off
		102 ⇔ 152	Dimmer speed mode 1 - fast
		153 ⇔ 203	Dimmer speed mode 2 - medium
		204 ⇔ 255	Dimmer speed mode 3 - slow

8Ch

Channel	Function	Value	Percent/Setting
1	Red 1	000 ⇔ 255	0–100%
2	Green 1	000 ⇔ 255	0–100%
3	Blue 1	000 ⇔ 255	0–100%
4	Red 2	000 ⇔ 255	0–100%
5	Green 2	000 ⇔ 255	0–100%
6	Blue 2	000 ⇔ 255	0–100%
7	Tilt	000 ⇔ 255	0–100%
8	Tilt Speed	000 ⇔ 255	Tilt speed, slow to fast

COLORband PiX-M USB V2 Zones for DMX Control (8Ch)
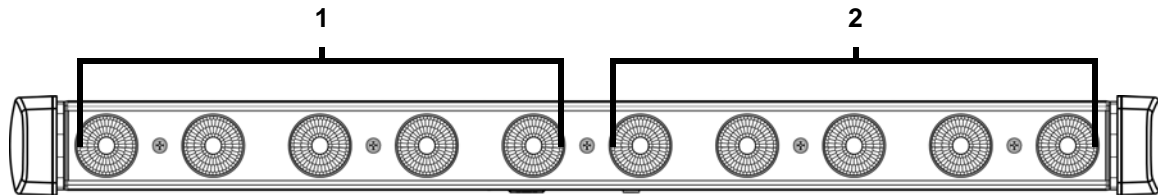
6Ch

Channel	Function	Value	Percent/Setting
1	Red	000 ⇔ 255	0–100%
2	Green	000 ⇔ 255	0–100%
3	Blue	000 ⇔ 255	0–100%
4	Dimmer	000 ⇔ 255	0–100%
5	Tilt	000 ⇔ 255	0–100%
6	Tilt Speed	000 ⇔ 255	Tilt speed, slow to fast

5Ch

Channel	Function	Value	Percent/Setting
1	Red	000 ⇔ 255	0–100%
2	Green	000 ⇔ 255	0–100%
3	Blue	000 ⇔ 255	0–100%
4	Tilt	000 ⇔ 255	0–100%
5	Tilt Speed	000 ⇔ 255	Tilt speed, slow to fast

Configuration (Standalone)

Set the product in one of the standalone modes to control without a DMX controller.

> **Never connect a product that is operating in any standalone mode to a DMX string connected to a DMX controller. Products in standalone mode may transmit DMX signals that could interfere with the DMX signals from the controller.**

Automatic Programs

To run the COLORband PiX-M USB V2 in automatic mode, follow the instructions below:
1. Press **<MENU>** repeatedly until **P--** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select an automatic program, from **P 1–14**.
4. Press **<ENTER>**.

Auto-Program Speed

To change the auto-program speed on the COLORband PiX-M USB V2, do the following:
1. Press **<MENU>** repeatedly until **S--** shows on the display.
2. Use **<UP>** or **<DOWN>** to increase or decrease the program speed, from **S 1–100**.
3. Press **<ENTER>**. The product will return to the last selected mode.

Sound-Active Mode

To run the COLORband PiX-M USB V2 in sound-active mode, follow the instructions below:
1. Press **<MENU>** repeatedly until **Snd** shows on the display.
2. Press **<ENTER>**.

The product will only respond to low frequencies of music (bass and drums).

Sound Sensitivity

To set the sound sensitivity on the COLORband PiX-M USB V2, do the following:
1. Press **<MENU>** repeatedly until **Sens** shows on the display.
2. Use **<UP>** or **<DOWN>** to increase or decrease the sound sensitivity, from **u 0–100**.
3. Press **<ENTER>**.

Preset Color Mode

To run the COLORband PiX-M USB V2 on a static color, follow the instructions below:
1. Press **<MENU>** repeatedly until **C--** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select a static color, from **C 1–18**.
4. Press **<ENTER>**.

Tilt Setting

To set a static position of the tilt on the COLORband PiX-M USB V2, do the following:
1. Press **<MENU>** repeatedly until **t--** shows on the display.
2. Use **<UP>** or **<DOWN>** to increase or decrease the tilt value, from **t 0–50**.
3. Press **<ENTER>**.

To set the tilt on the COLORband PiX-M USB V2 to rotate automatically, follow the instructions below:
1. Press **<MENU>** repeatedly until **t--** shows on the display.
2. Use **<UP>** or **<DOWN>** to increase or decrease the tilt speed, from **t 51–100**.
3. Press **<ENTER>**.

Custom Color Mixing

To custom mix a static color, do the following:
1. Press **<MENU>** repeatedly until **u--** shows on the display.
2. Press **<ENTER>** and **r_ _ _** (red), **g_ _ _** (green), or **b_ _ _** (blue) will show on the display.
3. Press **<ENTER>** to cycle through the settings.
4. When the desired setting shows on the display, use **<UP>** or **<DOWN>** to increase or decrease the color value, from **000–255**.
5. Repeat steps 3 and 4 until the product outputs as desired.

Dimmer Speed Mode

To set the dimmer speed mode of the COLORband PiX-M USB V2, follow the instructions below:
1. Press **<MENU>** repeatedly until **dIM** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select from **OFF** (linear dimming), **dIM1** (fast dimming), **dIM2** (medium dimming), or **dIM3** (slow dimming).
4. Press **<ENTER>**.

Tilt Offset

To set the tilt offset of the COLORband PiX-M USB V2, do the following:
1. Press **<MENU>** repeatedly until **OFF** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to increase or decrease the tilt offset, from **0–255**.
4. Press **<ENTER>**.

IRC-6 Infrared Remote Control

The COLORband PiX-M USB V2 is compatible with the IRC-6 infrared remote control from Chauvet. To activate IR mode, follow the instructions below:

1. Press **<MENU>** repeatedly until **SEt** shows on the display.
2. Press **<ENTER>** to accept.
3. Press **<UP>** or **<DOWN>** to select **ON** or **OFF**.
4. Press **<ENTER>**.

IRC-6 Operation
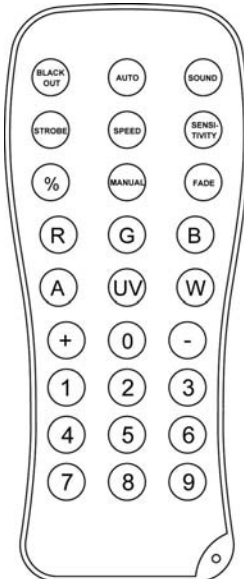
Automatic Mode

Automatic mode will enable you to run the automatic programs on the product.
To turn on Automatic mode:

1. Press **<AUTO>** on the IRC-6.
2. Press **<+>** or **<–>** to choose between the different auto programs.

To adjust the speed of the automatic program:

1. Press **<SPEED>** on the IRC-6.
2. Press **<+>** or **<–>** to increase or decrease the speed of the program.

Sound-Active Mode

Sound-Active mode will enable the product to respond to the music.
To turn on Sound-Active mode:

1. Press **<SOUND>** on the IRC-6.

To adjust the sound sensitivity:

1. Press **<SENSITIVITY>** on the IRC-6.
2. Press **<+>** or **<–>** to increase or decrease the sound sensitivity.

Manual Color Control

To choose a specific color with the IRC-6:

1. Press any number between **<0>**~**<9>** to choose a preset color.

To manually control the RGB percentage:

1. Press **<MANUAL>** on the IRC-6.
2. Press **<R>** (red), **<G>** (green), or **<B>** (blue) to choose your color.
3. Press **<+>** or **<–>** to increase or decrease the value of each color.

To turn the SMD strobes on or off:

1. Press **<W>** on the IRC-6.

Miscellaneous Operation

To adjust the total output level:

1. Press **<%>** on the IRC-6.
2. Press **<+>** or **<–>** to increase or decrease the output level.

To activate or deactivate strobing:

1. Press **<STROBE>** on the IRC-6.
2. Press **<+>** or **<–>** to increase or decrease the strobe rate.

To select a fading program:

1. Press **<FADE>** on the IRC-6.

To black out the lights:

1. Press **<BLACK OUT>** on the IRC-6.

This will turn off all the lights until the button is pressed again.
NOTE: The IRC-6 will not respond to any inputs when Black Out is activated. If the remote does not respond when a button is pressed, try pressing **<BLACK OUT>**. You may have inadvertently activated Black Out.

Master/Slave Mode (Wired)

The Master/Slave mode allows a single COLORband PiX-M USB V2 product (the "master") to control the actions of one or more COLORband PiX-M USB V2 products (the "slaves") without the need of a DMX controller. The master product will be set to operate in Stand-Alone, while the slave products will be set to operate in Slave mode. Once set and connected, the slave products will operate in unison with the master product.

Configure the products as indicated below.

Slave products:
1. Press **<MENU>** repeatedly until **5Ch**, **6Ch**, **8Ch**, **10Ch**, **17Ch**, **32Ch**, or **36Ch** shows on the display.
2. Press **<ENTER>** to accept.
3. Set the DMX address to **d 1**.
4. Connect the DMX input of the first slave product to the DMX output of the master product.
5. Connect the DMX input of the subsequent slave products to the DMX output of the previous slave product.
6. Finish setting and connecting all the slave products.

Master product:
1. Set the master product to operate in Stand-Alone mode.
2. Make the master product the first product in the DMX daisy chain.

- **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.**

Master/Slave Mode (D-Fi USB)

The D-Fi USB allows a single COLORband PiX-M USB V2 product (the "master") to control the actions of one or more COLORband PiX-M USB V2 products (the "slaves") without the need of a DMX controller or DMX cables. The master (transmitter) product will be set to operate in Stand-Alone mode, while the slave (receiver) products will be set to operate in Slave mode. Once set and connected, the slave products will operate in unison with the master product.

Configure the products as indicated below.

Slave products:
1. Press **<MENU>** repeatedly until **5Ch**, **6Ch**, **8Ch**, **10Ch**, **17Ch**, **32Ch**, or **36Ch** shows on the display.
2. Press **<ENTER>** to accept.
3. Set the DMX address to **d 1**.
4. Set the D-Fi USB to receive on a specific channel, 1–16.
5. Plug in the D-Fi USB.
6. Finish setting and connecting all the slave products.

Master product:
1. Set the master product to operate in Stand-Alone mode.
2. Set the D-Fi USB to transmit on the D-Fi channel the slaves are receiving on.
3. Plug in the D-Fi USB.

- **All products must be set to the same DMX personality, DMX address, and D-Fi channel.**
- **Configure all the slave products before configuring the master to transmit.**
- **Never connect a DMX controller to a D-Fi channel configured for Master/Slave operation because the controller may interfere with the signals from the master.**

5. Maintenance

Product Maintenance

Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and/or mechanical wear. To maintain optimum performance and minimize wear, clean 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.**

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
31 in (785 mm)	2.6 in (67 mm)	4.8 in (123 mm)	9.6 lb (4.4 kg)

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

Power

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

Parameter	120 V, 60 Hz	230 V, 50 Hz
Consumption	108 W	105 W
Operating Current	1.5 A	1 A
Power linking current (products)	8 A (5 products)	8 A (9 products)
Fuse	T 2 A, 250 V	T 2 A, 250 V

Power I/O	U.S./Worldwide	UK/Europe
Power input connector	powerCON®-compatible	powerCON®-compatible
Power output connector	powerCON®-compatible	powerCON®-compatible
Power Cord plug	Edison (U.S.)	Local Plug

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Tri-color RGB	10	9 W	2 A	50,000 hours

Photometrics

Strobe Rate	Beam Angle	Field Angle	Illuminance @ 2 m
0 to 25 Hz	20°	34°	6,120 lux

Thermal

Maximum External Temperature	Cooling System
104 °F (40 °C)	Convection

DMX

I/O Connector	Channel Range
3 and 5-pin XLR	5, 6, 8, 10, 17, 32 or 36

Ordering

Product Name	Item Code	UPC Number
COLORband PiX-M USB V2	03031241	781462215897

RoHS

CE
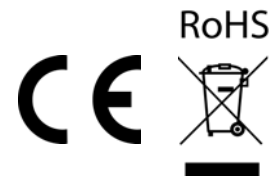
RETURNS

In case you need to get support or return a product:

- If you are located in the U.S., contact Chauvet World Headquarters.
- If you are located in the UK or Ireland, contact Chauvet Europe Ltd.
- If you are located in Mexico, contact Chauvet Mexico.
- If you are located in Benelux, contact Chauvet Europe BVBA.
- If you are located in any other country, DO NOT contact Chauvet. Instead, contact your local distributor. See www.chauvetdj.com for distributors outside the U.S., UK, Ireland, Mexico, or Benelux.

> **If you are located outside the U.S., UK, Ireland, Mexico, or Benelux, contact your distributor of record and follow their instructions on how to return Chauvet products to them. Visit our website www.chauvetdj.com for contact details.**

Call the corresponding Chauvet Technical Support office and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

To submit a service request online, go to www.chauvetdj.com/service-request.

Send the merchandise prepaid, in its original box, and with its original packing and accessories. Chauvet will not issue call tags.

Clearly label the package with the RMA number. Chauvet will refuse any product returned without an RMA number.

> **Write the RMA number on a properly affixed label. DO NOT write the RMA number directly on the box.**

Before sending the product, clearly write the following information on a piece of paper and place it inside the box:

- Your name
- Your address
- Your phone number
- RMA number
- A brief description of the problem

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be your responsibility. FedEx packing or double-boxing are recommended.

> **Chauvet reserves the right to use its own discretion to repair or replace returned product(s).**

CONTACT US

World Headquarters	
General Information	**Technical Support**
Address: 5200 NW 108th Ave.	Voice: (844) 393-7575
Sunrise, FL 33351	Fax: (954) 756-8015
Voice: (954) 577-4455	Email: chauvetcs@chauvetlighting.com
Fax: (954) 929-5560	**Website**
Toll Free: (800) 762-1084	www.chauvetlighting.com
EUROPE	
General Information	**Technical Support**
Address: Stokstraat 18	Email: eutech@chauvetlighting.eu
9770 Kruishoutem	**Website**
Belgium	www.chauvetlighting.eu
Voice: +32 9 388 93 97	
General Information	**Technical Support**
Address: Unit 1C	Email: uktech@chauvetlighting.com
Brookhill Road Industrial Estate	**Website**
Pinxton, Nottingham, UK	www.chauvetlighting.co.uk
NG16 6NT	
Voice: +44 (0) 1773 511115	
Fax: +44 (0) 1773 511110	
MEXICO	
General Information	**Technical Support**
Address: Av. de las Partidas 34 - 3B (Entrance by Calle 2)	Email: servicio@chauvet.com.mx
Zona Industrial Lerma	**Website**
Lerma, Edo. de México, CP 52000	www.chauvet.com.mx
Voice: +52 (728) 690-2010	

Outside the U.S., United Kingdom, Ireland, Mexico or Benelux, contact the dealer of record. Follow the instructions to request support or to return a product. Visit our website for contact details.