

FESTOON 2 RGB

User Manual

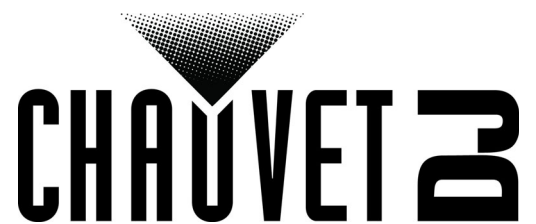
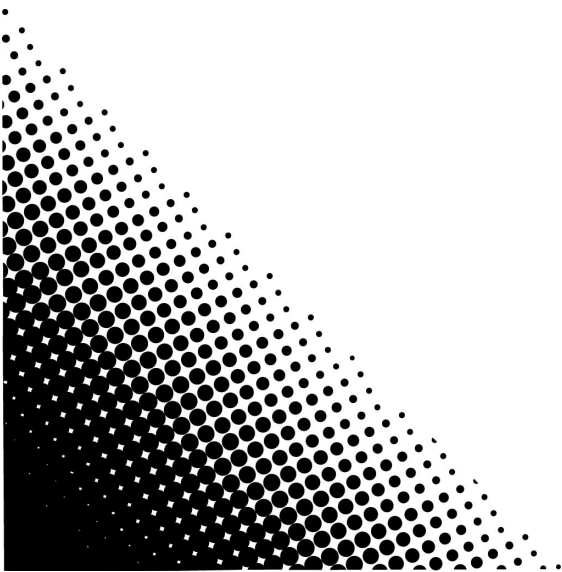
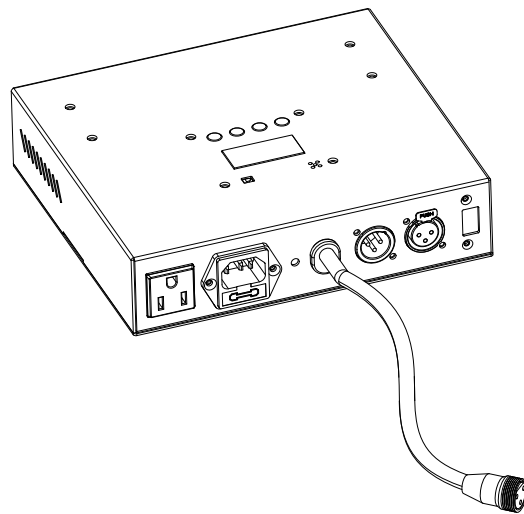
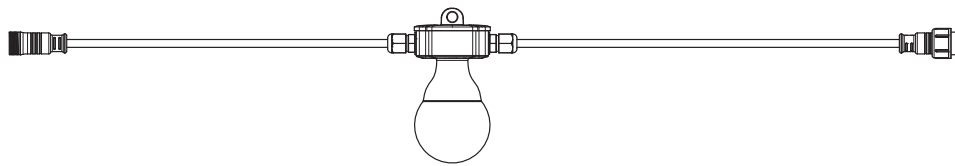


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1. BEFORE YOU BEGIN

What Is Included

- Festoon 2 RGB controller
- 20 RGB bulbs
- Extension cable (5 m)
- Power cord
- 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

Chauvet believes that the information contained in this manual is accurate in all respects. However, Chauvet assumes no responsibility and specifically disclaims any and all liability to any party for any loss, damage or disruption caused by any errors or omissions in this document, whether such errors or omissions result from negligence, accident or any other cause. Chauvet reserves the right to revise the content of this document without any obligation to notify any person or company of such revision, however, Chauvet has no obligation to make, and does not commit to make, any such revisions. Download the latest version from www.chauvetdj.com.

Intellectual Property

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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.
- The bulbs can get hot with excessive use. Avoid touching them with bare hands, and always allow the bulb to cool before handling.
- This product is not intended for permanent installation.



- 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 Festoon 2 RGB is for indoor or temporary outdoor use (IP54). Do not expose to harsh or excessively corrosive environmental conditions (whether indoors or outdoors), including, but not limited to, extreme temperatures, humidity, atmospheric conditions (including salinity or pressure), radiation (UV, infrared or nuclear), shock and conditions which exceed the product's Ingress Protection (IP) rating.
- **ALWAYS terminate the open end of your string when being used outdoors or near 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.



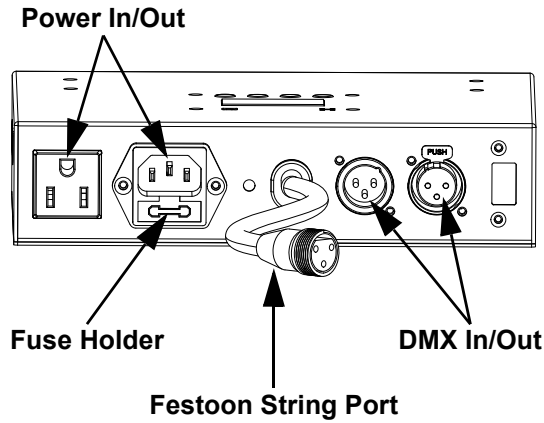
Keep this User Manual for future use. If you sell the product, be sure that they receive this document.

2. INTRODUCTION

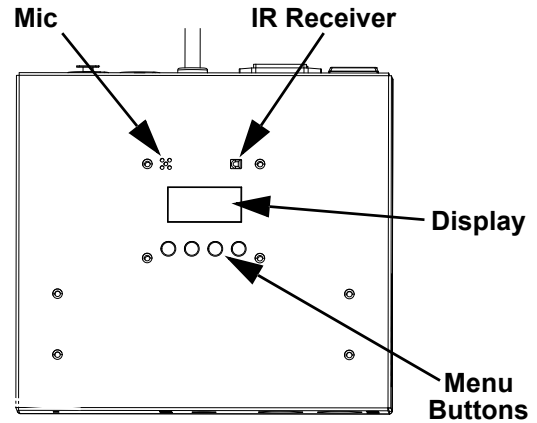
Product Overview

Festoon 2 RGB Controller

Back Panel View



Top Panel View



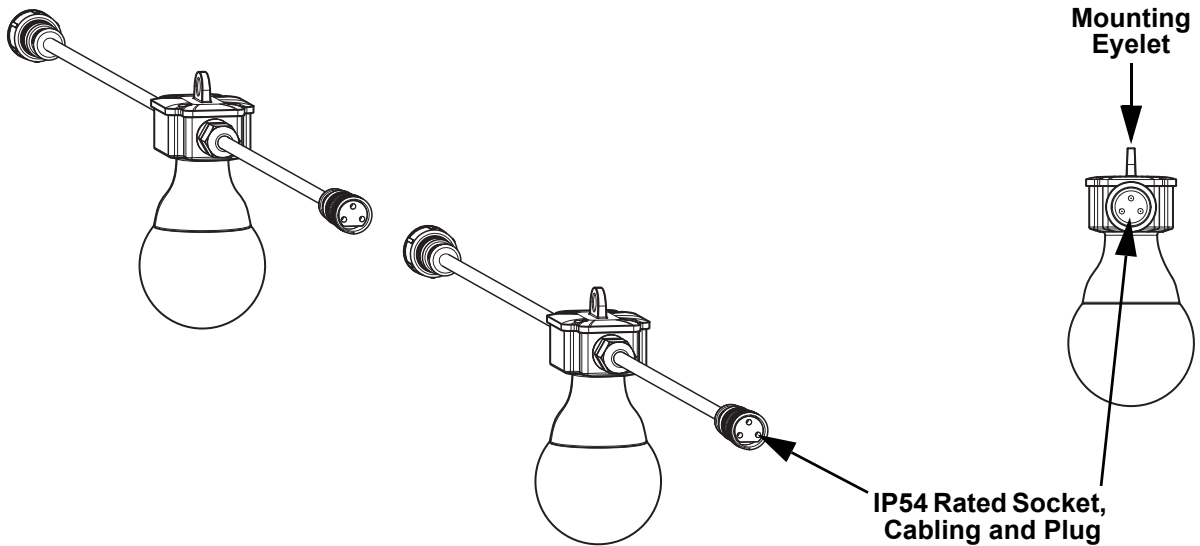
Extension Cable



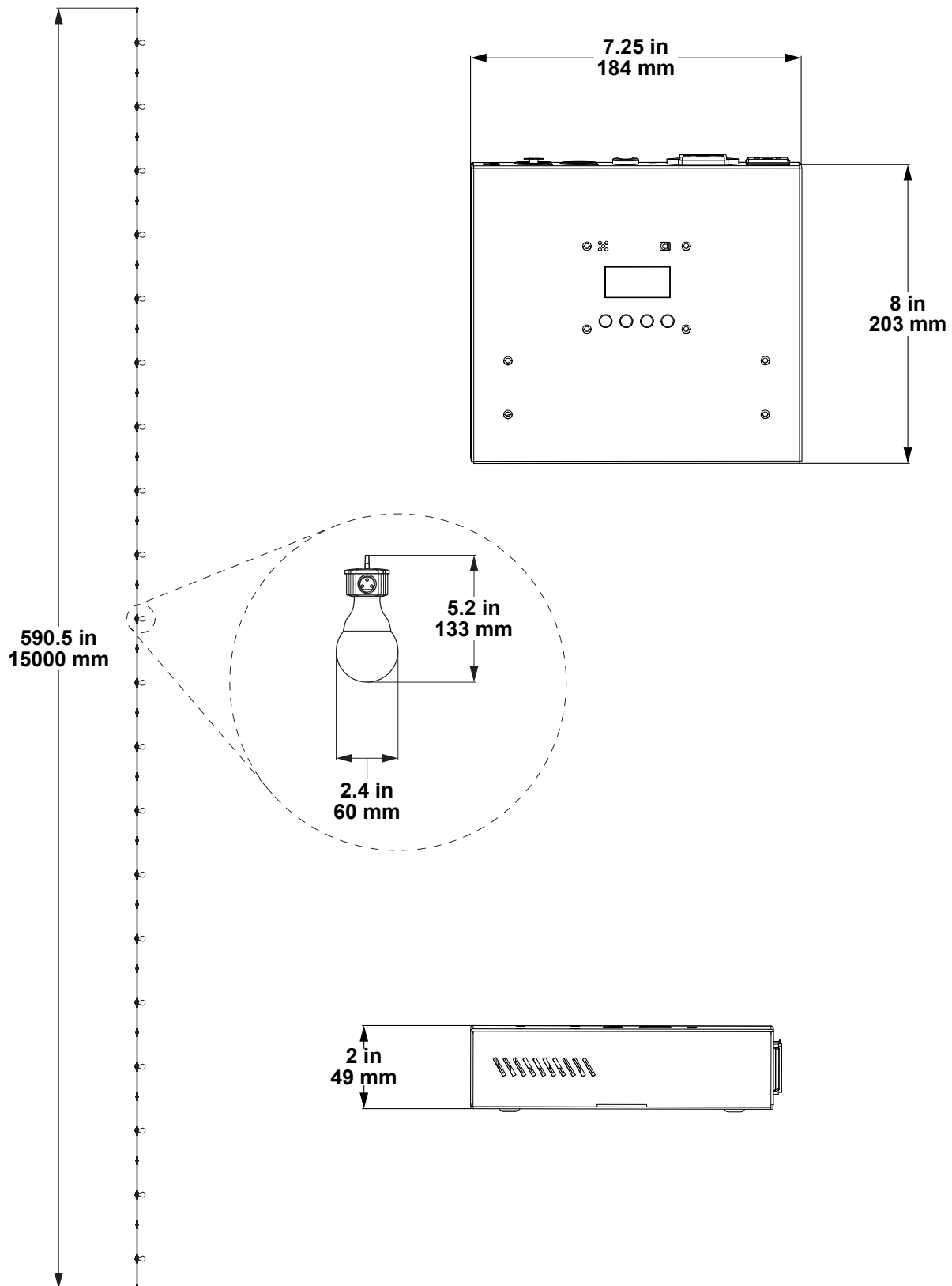
Festoon 2 RGB String of Bulbs



Festoon 2 RGB Bulb (In Detail)



Product Dimensions



3. SETUP

AC Power

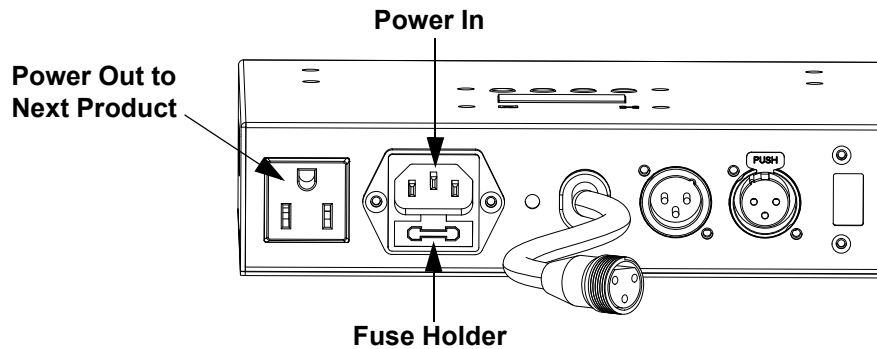
The Festoon 2 RGB has an auto-ranging power supply and it can work with an input voltage range of 100 to 240 VAC, 50/60 Hz. To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer 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 (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.**

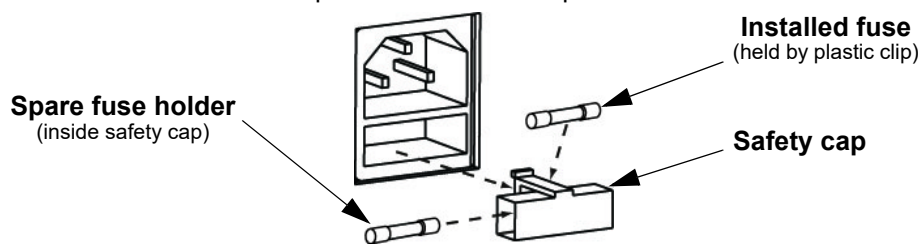


Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.



Fuse Replacement

1. Wedge the tip of a flat-head screwdriver into the slot of the fuse holder.
2. Pry the fuse holder out of the housing.
3. Remove the blown fuse from the holder and replace with a fuse of the exact same type and rating.
4. Insert the fuse holder back in place and reconnect power.

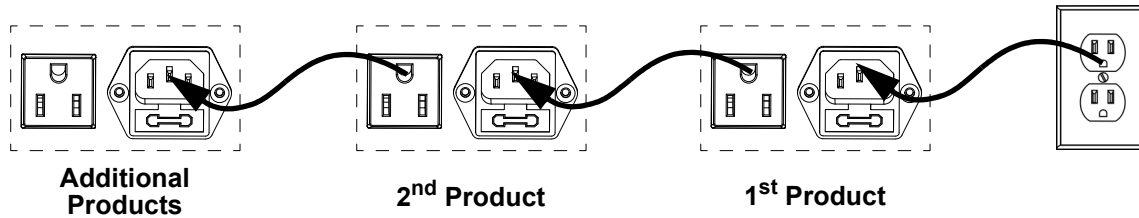


Disconnect the product from the power outlet before replacing the fuse.

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. The Festoon 2 RGB controller can each control up to 3 strings (60 bulbs)

Power Linking Diagram



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 Controller

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

Orientation

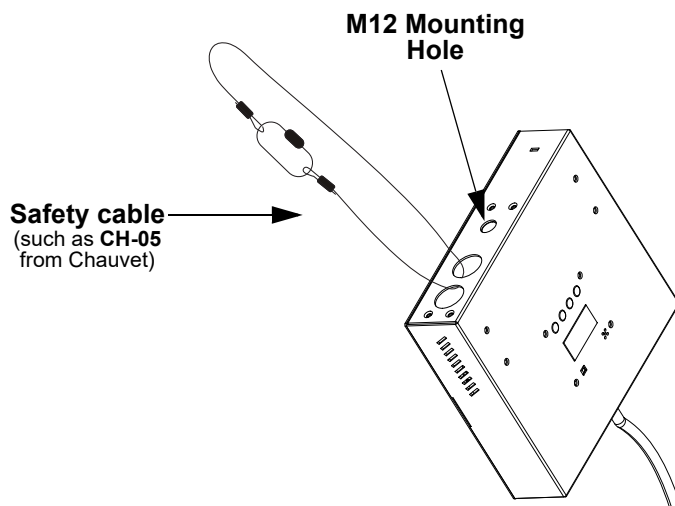
The Festoon 2 RGB controller may be mounted in any position; however, make sure adequate ventilation is provided around the product.

Rigging

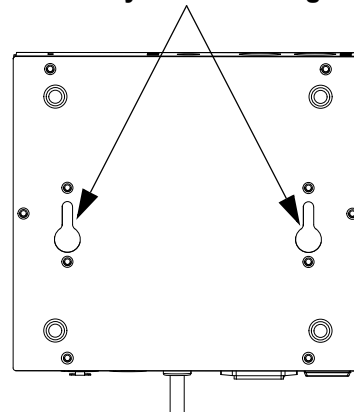
- Before deciding on a location for the product, always make sure there is easy access to the product for maintenance and IRC or programming purposes.
- Make sure that the structure onto which you are mounting the product can support the product's weight. See the [Technical Specifications](#) for weight 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.
- When power linking multiple products, mount the products close enough for power linking cables to reach.

Mounting Diagram

Festoon 2 RGB Controller



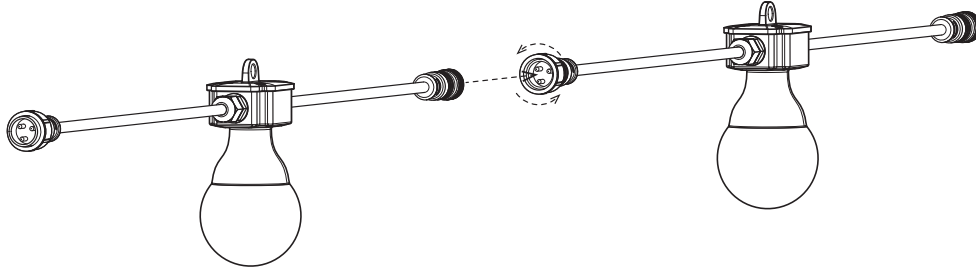
Rear Keyhole Mounting



Mounting

Festoon String Linking

The Festoon 2 RGB includes 20 RGB bulbs. These bulbs can be connected for a custom length. Every 20 bulbs are considered one LED string for Pixel and Pixel+ DMX personalities. Before mounting the product, read and follow the safety recommendations indicated in the [Safety Notes](#).



Your Festoon 2 RGB string may be exposed to rain and moisture and comes with an IP rated cap meant to terminate the end of the Festoon 2 RGB string. Retain this cap, and ALWAYS terminate the open end of your string when being used outdoors or near moisture.

Orientation

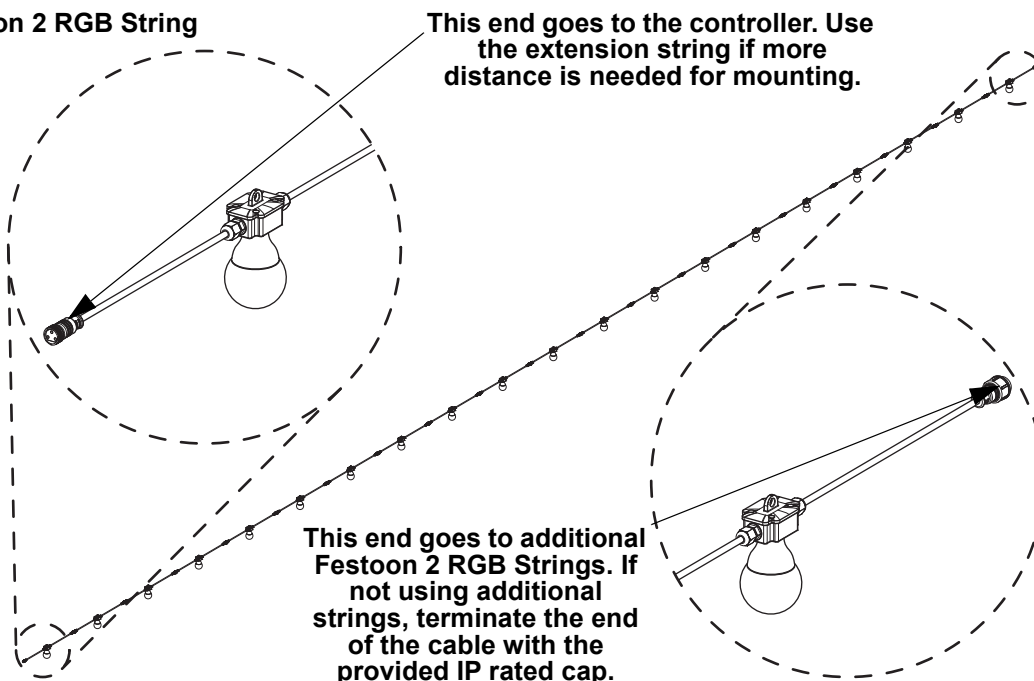
The Festoon 2 RGB String may be installed using various ways to achieve a vintage look and feel. The Festoon 2 RGB can be expendable up to 60 bulbs per controller.

Rigging

- Before deciding on a location for the product, always make sure there is adequate length/distance to the controller and other strings. Use the extension string if necessary.
- Make sure that the structure onto which you are mounting the product can support the product's weight. See the [Technical Specifications](#) for weight information.
- Use the built-in eyelets to hang the Festoon/Festoon VW String. The extension string may be hung with zip-ties or equivalent.
- To prevent line sagging, it is recommended to use every eyelet, or in open installation areas (such as outdoors) it is recommended to run a guy line and attach the Festoon 2 RGB to the guy wire.
- Use support poles as necessary. Chauvet recommends a support pole every 8 m. If the support poles are used as end or corner supports, they will need to be tied back.
- The height of the attachment point should be at least 8 feet (2.4 m), or higher when deemed necessary.

Mounting Diagram

Festoon 2 RGB String



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	
Control Mode	Control	DMX		Set the control mode	
		Music			
		Auto			
		Manual			
		Preset			
DMX Address	Address	001–512		Sets the DMX starting address	
DMX Channel	Channel	03-CH		Select the DMX personality	
		09-CH			
		Pixel			
		Pixel+			
Dimmer Mode	Dim Curve	OFF		No dimming effect	
		Curve1		Sets the dimming speed, fast to slow	
		Curve2			
		Curve3			
Static Color	Custom	C-01–19		Static colors	
Auto Programs	Program	P-01–38	Sp:000–100	Select auto program and speed	
Sound Active	Music	000–100		Select the sound active sensitivity	
Manual Color Mixing	Manual	Color	Red	000–255	Custom color mixing: Combine red, green, and blue
			Green	000–255	
			Blue	000–255	
IR Setting	Remote	ON		Turns IRC-6 control on or off	
		OFF			
LED EXT	Led Strg	1 strg		Singular Festoon EXT string (20 bulbs)	
		2 strg		+ Festoon EXT strings (40 bulbs)	
		3 strg		+ 2 Festoon EXT strings (60 bulbs)	
Back Light Setting	Backlight	ON		LED display does not turn off	
		30S		LED display turns off after 30 seconds	
		60S		LED display turns off after 60 seconds	
Factory Default Reset	Default	NO		Resets to factory default settings	
		YES			
Information	Version	V_ _		Shows installed software version	

Configuration (DMX)

The Festoon 2 RGB works with a DMX controller. If you are not familiar with the DMX protocol, information about DMX is in the CHAUVET DMX Primer. Download the DMX Primer from http://www.chauvetlighting.com/downloads/DMX_Primer_rev05_WO.pdf.

DMX Personality and 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.

To select the starting address, do the following:

1. Press **<MENU>** repeatedly until **03-CH**, **09-CH**, **Pixel**, or **Pixel+** shows on the display.
2. Press **<ENTER>** and **d 1** will show on the display.
3. Use **<UP>** or **<DOWN>** to select the starting address.
4. Press **<ENTER>**.

Set # of Festoon 2 RGB Strings

The Festoon 2 RGB controller can control up to 3 Festoon 2 RGB strings (60 bulbs). Follow the directions below to setup your Festoon 2 RGB:

1. Press **<MENU>** repeatedly until **Led Strg** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select either **1 strg** (20 bulbs), **2 strg** (40 bulbs), or **3 strg** (60 bulbs).
4. Press **<ENTER>**.



Your Festoon 2 RGB string comes with an IP rated cap meant to terminate the end of the Festoon 2 RGB string. Retain this cap, and ALWAYS terminate the open end of your string when being used outdoors or near moisture.

DMX Channel Assignments and Values

9Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Red	000 ⇔ 255	0–100%
3	Green	000 ⇔ 255	0–100%
4	Blue	000 ⇔ 255	0–100%
5	Color Macros	000 ⇔ 010	No function
		011 ⇔ 255	Color Macros
6	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
7	Auto & Sound Programs	000 ⇔ 010	No function
		011 ⇔ 016	Auto Program 1
		017 ⇔ 022	Auto Program 2
		023 ⇔ 028	Auto Program 3
		029 ⇔ 034	Auto Program 4
		035 ⇔ 040	Auto Program 5
		041 ⇔ 046	Auto Program 6
		047 ⇔ 052	Auto Program 7
		053 ⇔ 058	Auto Program 8
		059 ⇔ 064	Auto Program 9
		065 ⇔ 070	Auto Program 10
		071 ⇔ 076	Auto Program 11
		077 ⇔ 082	Auto Program 12
		083 ⇔ 088	Auto Program 13
		089 ⇔ 094	Auto Program 14
		095 ⇔ 100	Auto Program 15
		101 ⇔ 106	Auto Program 16
		107 ⇔ 112	Auto Program 17
		113 ⇔ 118	Auto Program 18
		119 ⇔ 124	Auto Program 19
		125 ⇔ 130	Auto Program 20
		131 ⇔ 136	Auto Program 21
		137 ⇔ 142	Auto Program 22
		143 ⇔ 148	Auto Program 23
		149 ⇔ 154	Auto Program 24
		155 ⇔ 160	Auto Program 25
		161 ⇔ 166	Auto Program 26
		167 ⇔ 172	Auto Program 27
		173 ⇔ 178	Auto Program 28
		179 ⇔ 184	Auto Program 29
		185 ⇔ 190	Auto Program 30
		191 ⇔ 196	Auto Program 31
		197 ⇔ 202	Auto Program 32
		203 ⇔ 208	Auto Program 33
		209 ⇔ 214	Auto Program 34
		215 ⇔ 220	Auto Program 35
		221 ⇔ 226	Auto Program 36
		227 ⇔ 232	Auto Program 37
233 ⇔ 238	Auto Program 38		
	239 ⇔ 255	Sound Active Program	

Channel	Function	Value	Percent/Setting
8	Program Speed (when Ch. 7 is 010 ⇔ 238)	000 ⇔ 255	Program speed, slow to fast
	Sound Sensitivity (when Ch. 1 is 239 ⇔ 255)	000 ⇔ 010 011 ⇔ 255	Sound sensitivity off Sound sensitivity level
9	Dimmer Speed Mode	000 ⇔ 051	Dimmer Speed set by Display Menu
		052 ⇔ 101	Dimmer Speed Mode Off
		102 ⇔ 152	Dimmer Speed Mode 1 (fast)
		153 ⇔ 203	Dimmer Speed Mode 2
		204 ⇔ 255	Dimmer Speed Mode 3 (slow)

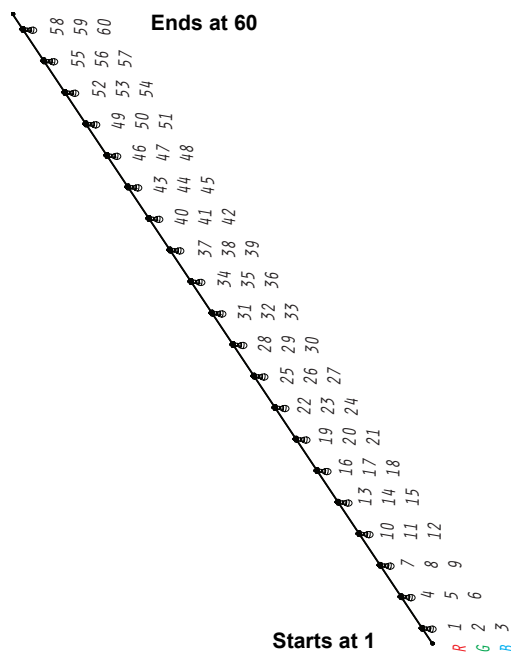
3Ch

Channel	Function	Value	Percent/Setting
1	Red	000 ⇔ 255	0–100%
2	Green	000 ⇔ 255	0–100%
3	Blue	000 ⇔ 255	0–100%

Pixel Mapping Personalities

DMX pixel mapping personalities assign individual DMX control to each bulb in the Festoon string/s. The **Pixel** Mode will allow for custom color selection for each bulb. The **Pixel+** Mode allows for custom color control, dimmer control, strobe control, and auto/sound program control. Select **Pixel** or **Pixel+** under the **Channel** setting to use the Pixel Mapping Personalities. The pixel mapping personalities depends on the number of festoon strings you have connected. Every 20 bulbs is considered one LED string.

Example Layout: 1 LED String (20 bulbs)



Up to 2 festoon EXT strings can be connected to the first string of 20 bulbs. Set the amount of EXT strings under the **Led Strg** setting.



For example, if there is 1 festoon string of 20 bulbs and 1 festoon EXT string of 20 bulbs connected, the **Led Strg** setting in the menu must have “2 strg” selected.

Pixel Mode

Channel	Function	Value	Percent/Setting
1	Pixel 1 Red	000 ⇔ 255	0-100%
2	Pixel 1 Green	000 ⇔ 255	0-100%
3	Pixel 1 Blue	000 ⇔ 255	0-100%
4	Pixel 2 Red	000 ⇔ 255	0-100%
5	Pixel 2 Green	000 ⇔ 255	0-100%
6	Pixel 2 Blue	000 ⇔ 255	0-100%
7	Pixel 3 Red	000 ⇔ 255	0-100%
8	Pixel 3 Green	000 ⇔ 255	0-100%
9	Pixel 3 Blue	000 ⇔ 255	0-100%
10	Pixel 4 Red	000 ⇔ 255	0-100%
11	Pixel 4 Green	000 ⇔ 255	0-100%
12	Pixel 4 Blue	000 ⇔ 255	0-100%
13	Pixel 5 Red	000 ⇔ 255	0-100%
14	Pixel 5 Green	000 ⇔ 255	0-100%
15	Pixel 5 Blue	000 ⇔ 255	0-100%
16	Pixel 6 Red	000 ⇔ 255	0-100%
17	Pixel 6 Green	000 ⇔ 255	0-100%
18	Pixel 6 Blue	000 ⇔ 255	0-100%
19	Pixel 7 Red	000 ⇔ 255	0-100%
20	Pixel 7 Green	000 ⇔ 255	0-100%
21	Pixel 7 Blue	000 ⇔ 255	0-100%
22	Pixel 8 Red	000 ⇔ 255	0-100%
23	Pixel 8 Green	000 ⇔ 255	0-100%
24	Pixel 8 Blue	000 ⇔ 255	0-100%
25	Pixel 9 Red	000 ⇔ 255	0-100%
26	Pixel 9 Green	000 ⇔ 255	0-100%
27	Pixel 9 Blue	000 ⇔ 255	0-100%
28	Pixel 10 Red	000 ⇔ 255	0-100%
29	Pixel 10 Green	000 ⇔ 255	0-100%
30	Pixel 10 Blue	000 ⇔ 255	0-100%
31	Pixel 11 Red	000 ⇔ 255	0-100%
32	Pixel 11 Green	000 ⇔ 255	0-100%
33	Pixel 11 Blue	000 ⇔ 255	0-100%
34	Pixel 12 Red	000 ⇔ 255	0-100%
35	Pixel 12 Green	000 ⇔ 255	0-100%
36	Pixel 12 Blue	000 ⇔ 255	0-100%
37	Pixel 13 Red	000 ⇔ 255	0-100%
38	Pixel 13 Green	000 ⇔ 255	0-100%
39	Pixel 13 Blue	000 ⇔ 255	0-100%
40	Pixel 14 Red	000 ⇔ 255	0-100%
41	Pixel 14 Green	000 ⇔ 255	0-100%
42	Pixel 14 Blue	000 ⇔ 255	0-100%
43	Pixel 15 Red	000 ⇔ 255	0-100%
44	Pixel 15 Green	000 ⇔ 255	0-100%
45	Pixel 15 Blue	000 ⇔ 255	0-100%
46	Pixel 16 Red	000 ⇔ 255	0-100%
47	Pixel 16 Green	000 ⇔ 255	0-100%
48	Pixel 16 Blue	000 ⇔ 255	0-100%

Channel	Function	Value	Percent/Setting
49	Pixel 17 Red	000 ⇔ 255	0-100%
50	Pixel 17 Green	000 ⇔ 255	0-100%
51	Pixel 17 Blue	000 ⇔ 255	0-100%
52	Pixel 18 Red	000 ⇔ 255	0-100%
53	Pixel 18 Green	000 ⇔ 255	0-100%
54	Pixel 18 Blue	000 ⇔ 255	0-100%
55	Pixel 19 Red	000 ⇔ 255	0-100%
56	Pixel 19 Green	000 ⇔ 255	0-100%
57	Pixel 19 Blue	000 ⇔ 255	0-100%
58	Pixel 20 Red	000 ⇔ 255	0-100%
59	Pixel 20 Green	000 ⇔ 255	0-100%
60	Pixel 20 Blue	000 ⇔ 255	0-100%
61	Pixel 21 Red	000 ⇔ 255	0-100%
...
121	Pixel 41 Red	000 ⇔ 255	0-100%
...
181	Pixel 60 Red	000 ⇔ 255	0-100%
182	Pixel 60 Green	000 ⇔ 255	0-100%
183	Pixel 60 Blue	000 ⇔ 255	0-100%

Pixel+ Mode

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
3	Auto & Sound Programs	000 ⇔ 010	No function
		011 ⇔ 016	Auto Program 1
		017 ⇔ 022	Auto Program 2
		023 ⇔ 028	Auto Program 3
		029 ⇔ 034	Auto Program 4
		035 ⇔ 040	Auto Program 5
		041 ⇔ 046	Auto Program 6
		047 ⇔ 052	Auto Program 7
		053 ⇔ 058	Auto Program 8
		059 ⇔ 064	Auto Program 9
		065 ⇔ 070	Auto Program 10
		071 ⇔ 076	Auto Program 11
		077 ⇔ 082	Auto Program 12
		083 ⇔ 088	Auto Program 13
		089 ⇔ 094	Auto Program 14
		095 ⇔ 100	Auto Program 15
		101 ⇔ 106	Auto Program 16
		107 ⇔ 112	Auto Program 17
		113 ⇔ 118	Auto Program 18
		119 ⇔ 124	Auto Program 19
		125 ⇔ 130	Auto Program 20
		131 ⇔ 136	Auto Program 21
		137 ⇔ 142	Auto Program 22
		143 ⇔ 148	Auto Program 23
		149 ⇔ 154	Auto Program 24
		155 ⇔ 160	Auto Program 25
		161 ⇔ 166	Auto Program 26
		167 ⇔ 172	Auto Program 27
		173 ⇔ 178	Auto Program 28
		179 ⇔ 184	Auto Program 29
		185 ⇔ 190	Auto Program 30
		191 ⇔ 196	Auto Program 31
197 ⇔ 202	Auto Program 32		
203 ⇔ 208	Auto Program 33		
209 ⇔ 214	Auto Program 34		
215 ⇔ 220	Auto Program 35		
221 ⇔ 226	Auto Program 36		
227 ⇔ 232	Auto Program 37		
233 ⇔ 238	Auto Program 38		
239 ⇔ 255	Sound Active Program		
4	Program Speed (when Ch. 3 is 010 ⇔ 238)	000 ⇔ 255	Program speed, slow to fast
	Sound Sensitivity (when Ch. 3 is 239 ⇔ 255)	000 ⇔ 010	Sound sensitivity off
		011 ⇔ 255	Sound sensitivity level
5	Pixel 1 Red	000 ⇔ 255	0-100%

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

OPERATION

Channel	Function	Value	Percent/Setting
55	Pixel 17 Blue	000 ⇔ 255	0-100%
56	Pixel 18 Red	000 ⇔ 255	0-100%
57	Pixel 18 Green	000 ⇔ 255	0-100%
58	Pixel 18 Blue	000 ⇔ 255	0-100%
59	Pixel 19 Red	000 ⇔ 255	0-100%
60	Pixel 19 Green	000 ⇔ 255	0-100%
61	Pixel 19 Blue	000 ⇔ 255	0-100%
62	Pixel 20 Red	000 ⇔ 255	0-100%
63	Pixel 20 Green	000 ⇔ 255	0-100%
64	Pixel 20 Blue	000 ⇔ 255	0-100%
65	Pixel 21 Red	000 ⇔ 255	0-100%
...
125	Pixel 41 Red	000 ⇔ 255	0-100%
...
185	Pixel 60 Red	000 ⇔ 255	0-100%
186	Pixel 60 Green	000 ⇔ 255	0-100%
187	Pixel 60 Blue	000 ⇔ 255	0-100%

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.

Control Mode

To select the control mode for the Festoon 2 RGB, follow the instructions below:

1. Press **<MENU>** repeatedly until **Control** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select either **DMX, Music, Auto, Manual, or Preset**.
4. Press **<ENTER>** to confirm.

Static Colors

To select a static color for the Festoon 2 RGB, do the following:

1. Press **<MENU>** repeatedly until **Custom** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to choose a static color **C-01–C-19**.
4. Press **<ENTER>** to confirm.

Automatic Programs

To run the Festoon 2 RGB in automatic mode, follow the instructions below:

1. Press **<MENU>** repeatedly until **Program** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select from the 38 auto programs (**P-01–P-38**).
4. Press **<ENTER>** to make your selection.
5. Use **<UP>** or **<DOWN>** to adjust the speed from slow to fast (**Sp:000–100**).
6. Press **<ENTER>** to confirm.

Sound Mode Sensitivity

To lower or heighten the sensitivity of the sound active mode, do the following:

1. Press **<MENU>** repeatedly until **Music** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to adjust the sensitivity from low to high **000–100**.
4. Press **<ENTER>**.

Manual Color Mixing

To manually adjust a static color, follow the instructions below:

1. Press **<MENU>** repeatedly until **Manual** shows on the display.
2. Press **<ENTER>**, **Color** should appear on the display.
3. Press **<ENTER>** to cycle through the following options:
 - **Red**
 - **Green**
 - **Blue**
4. Press **<ENTER>** to select an option.
5. Use **<UP>** or **<DOWN>** to increase or decrease the selected value, from **000–255**.
6. Repeat steps 3–5 for each color to set as desired.

Dimmer Curve

To set the dimmer curve, do the following:

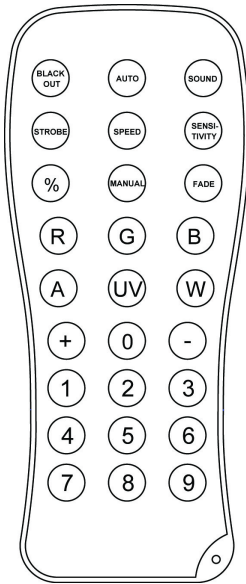
1. Press **<MENU>** repeatedly until **Dim Curve** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select either **OFF, Curve1, Curve2, or Curve3** (dimming speed, slow to fast).
4. Press **<ENTER>** to confirm.

IRC-6 Infrared Remote Control

The Festoon 2 RGB is compatible with the IRC-6 infrared remote control from Chauvet DJ. To activate IR mode, follow the instructions below:

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

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 sound sensitivity in Sound-Active mode:

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

Miscellaneous Operation

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.



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.

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: Controller

LENGTH	WIDTH	HEIGHT	WEIGHT
7.25 in (184 mm)	8 in (203 mm)	2 in (49 mm)	3.6 lb (1.4 kg)

Note: Dimensions in inches rounded to the nearest hundredth.

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
Operating Current and Consumption (20 bulbs)	42 W, 0.3 A	47 W, 0.2 A
Operating Current and Consumption (40 bulbs)	77 W, 0.7 A	78 W, 0.3 A
Operating Current and Consumption (60 bulbs)	107 W, 0.9 A	108 W, 0.5 A
Fuse	T2 A, 250 V	T2 A, 250 V
POWER I/O	U.S./WORLDWIDE	UK/EUROPE
Power input connector	IEC	IEC
Power output connector	Edison	IEC
Power Cord plug	Edison (US)	Local Plug

Light Source

TYPE	POWER	CURRENT	COLOR	LIFESPAN
5 SMD LEDs	0.1 W	50 mA	tri-color RGB	50,000 hours (per bulb)

Photometrics

PARAMETER	VALUE
Strobe Rate	0 to 10 Hz
Coverage Angle	360°

Thermal

MAXIMUM EXTERNAL TEMPERATURE	COOLING SYSTEM	IP RATING
104 °F (40 °C)	Convection	IP54

DMX

I/O CONNECTOR	CHANNEL RANGE
3-pin XLR	3, 9, Pixel, or Pixel+

Ordering

PRODUCT NAME	ITEM CODE	UPC NUMBER
Festoon 2 RGB	09091690	781462220389



RETURNS

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

- If you are located in the US, contact Chauvet World Headquarters.
- If you are located in the UK or Ireland, contact Chauvet Europe Ltd.
- If you are located in Benelux, contact Chauvet Europe BVBA.
- If you are located in France, contact Chauvet France.
- If you are located in Germany, contact Chauvet Germany.
- If you are located in Mexico, contact Chauvet Mexico.
- 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, Benelux, France, Germany, or Mexico.



If you are located outside the US, UK, Ireland, Benelux, France, Germany, or Mexico, 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

General Information	Technical Support
Chauvet World Headquarters	
Address: 5200 NW 108th Ave. Sunrise, FL 33351 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetdj.com
Chauvet Europe Ltd	
Address: Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: UKtech@chauvetlighting.eu Website: www.chauvetdj.eu
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Visit the applicable website above to verify our contact information and instructions to request support. Outside the U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact the dealer of record.