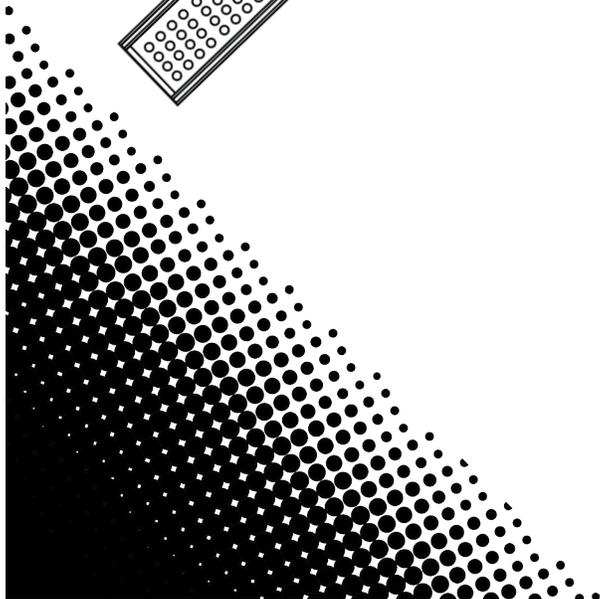
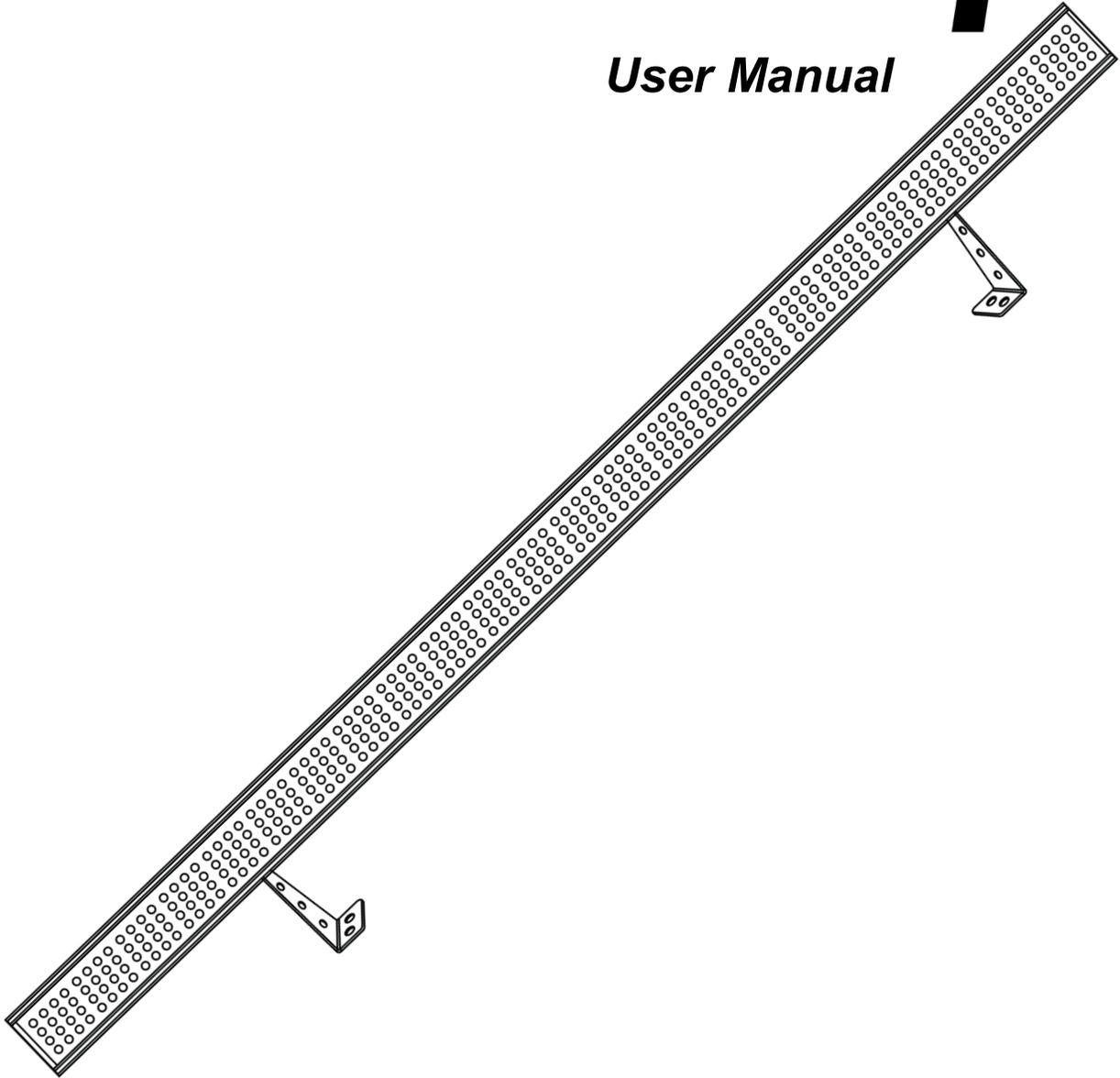


COLO Rstrip™

User Manual




CHAUVET®
Value • Innovation • Performance
It's
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1. BEFORE YOU BEGIN

What Is Included

- 1 x COLORstrip™
- 2 x Tall Mounting Brackets
- 2 x Short Mounting Brackets
- 1 x Power Cord
- 1 x Warranty Card
- 1 x Quick Reference Guide

Claims

Immediately upon receipt, carefully unpack the product and check the box to make sure you have received all the parts indicated above in good condition.

If the box or the contents appear damaged from shipping, or show signs of mishandling, upon receipt notify the carrier immediately, not CHAUVET®. Failure to notify the carrier immediately may invalidate your claim. In addition, keep the box and all the packing material 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 receiving the merchandise.

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
Menu > Settings	A sequence of menu options to be followed
<ENTER>	A key to be pressed on the product's control panel
ON	A value to be entered or selected

Symbols

Symbol	Meaning
	Critical installation, configuration, or operation information. Failure to follow these instructions may make the product not work, cause damage to the product, or cause harm to the operator
	Important installation or configuration information. Failure to comply with this information may prevent the product from working correctly.
	Useful information.

Document Information

The information and specifications contained in this document are subject to change without notice. CHAUVET® assumes no responsibility or liability for any errors or omissions that may appear in this manual. CHAUVET® reserves the right to update the existing document or to create a new document to correct any errors or omissions.

You can download the latest version of this document from www.chauvetlighting.com.

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Author	Date	Editor	Date
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Product at a Glance

Use on Dimmer	⊘	Auto Programs	✓
Outdoor Use	⊘	Auto-ranging Power Supply	✓
Sound Activated	✓	Replaceable Fuse	✓
DMX	✓	User Serviceable	⊘
Master/Slave	✓	Duty Cycle	⊘

Safety Notes

Please read the following Safety Notes carefully before working with the product. The Notes include important safety information about installation, usage, and maintenance.



- 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.



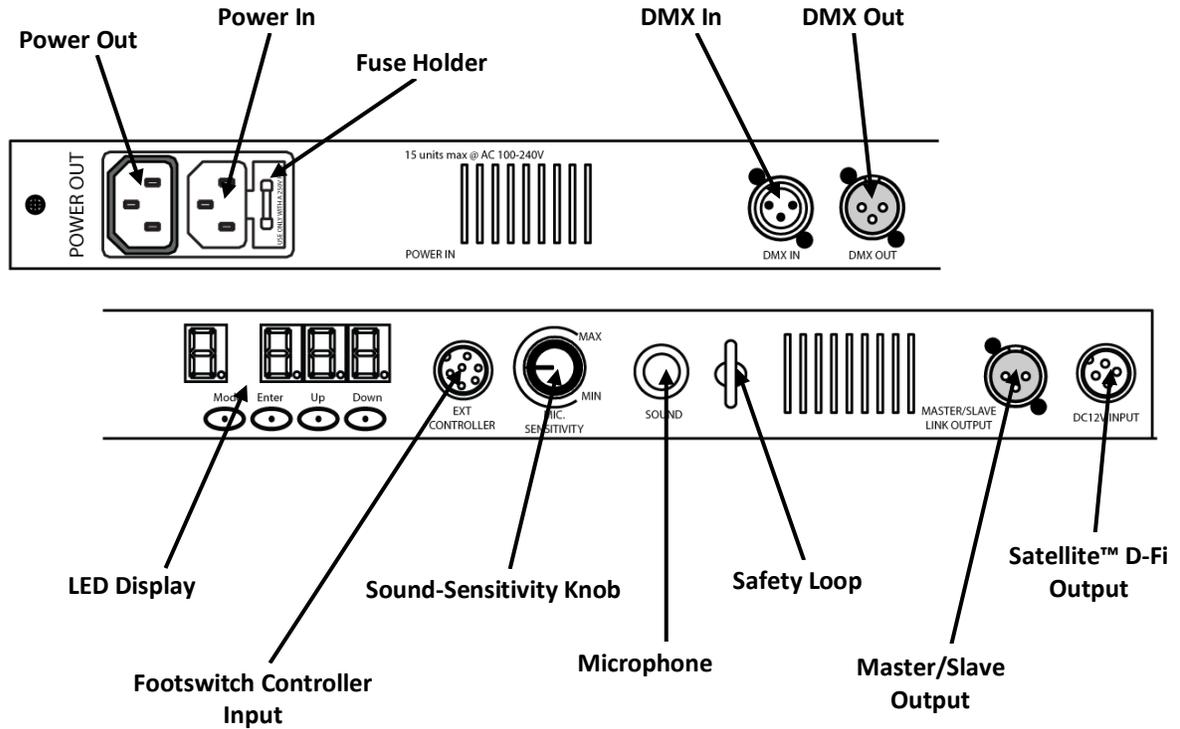
- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.
- The product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose the product to rain or moisture.
- Always install 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 brackets.
- 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.



- Keep this User Manual for future consultation. If you sell the product to another user, be sure that they also receive this document.

2. INTRODUCTION

Product Overview



3. SETUP

AC Power The COLORstrip™ has an auto-ranging power supply and it can work with an input voltage range of 100~240 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.



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.

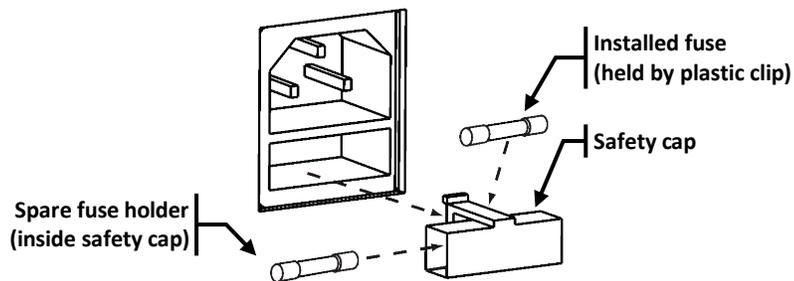
Fuse Replacement

Follow the instructions below to change the fuse, if necessary.



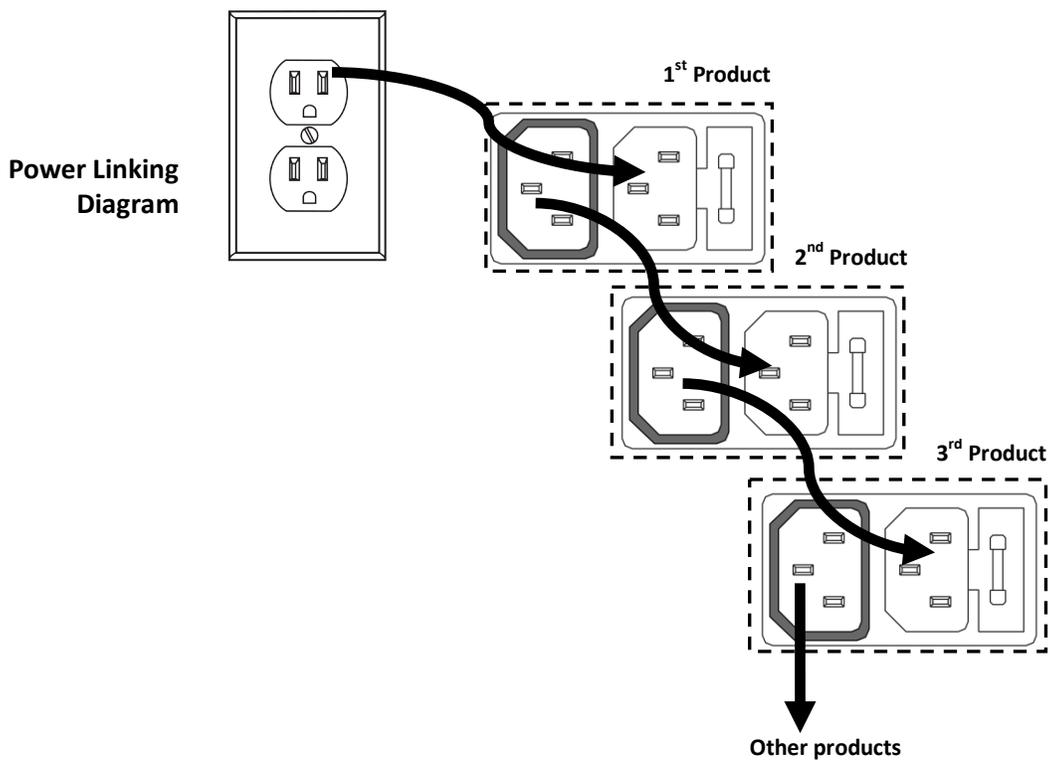
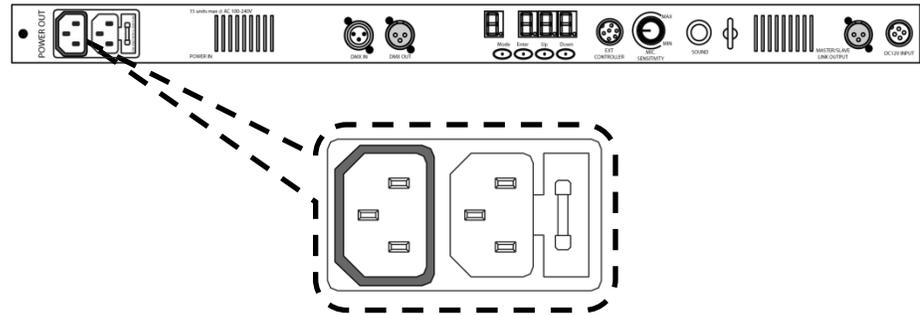
Disconnect the product from the power outlet before replacing the fuse.

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



A spare fuse is not included; however, the safety cap has room for a spare.

Power Linking The product provides power linking via the Edison outlet located in the back of the unit.



You can power link up to 15 COLORstrip™ units on 120 VAC or up to 28 COLORstrip™ units on 230 VAC.



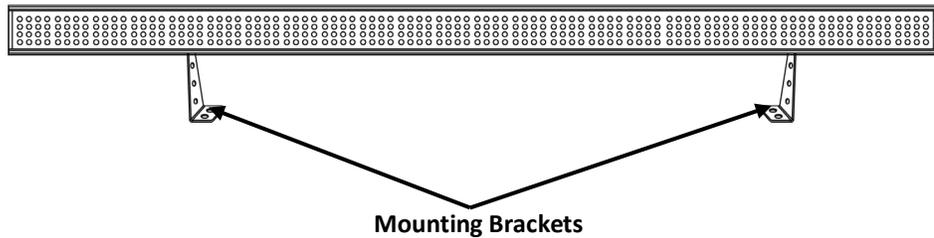
The power linking diagram shown above corresponds to the North American version of the product **ONLY!** If using the product in other markets, you must consult with the local CHAUVET® distributor as power linking connectors and requirements may differ in your country or region.

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

Orientation The COLORstrip™ 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 programming purposes.
 - Make sure that the structure or surface onto which you are mounting the product can support the product's weight. Please see the [Technical Specifications](#) section of this manual 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, you should use a mounting clamp of appropriate weight capacity.
 - When power linking multiple products, you must always consider the length of the power linking cable and mount the products close enough for the cable 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.
 - The double bracket yoke/mounting brackets/rubber feet/metallic feet also serve as floor supports/allow for surface mounting. When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

Mounting Diagram



4. OPERATION

Control Panel Operation To access the control panel functions, use the four buttons located underneath the display.

Button	Function
<MODE>	Press to find an operation mode or to back out of the current menu option
<ENTER>	Press to activate a menu option or a selected value
<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

Mode	Programming Steps		Description
ACt Automatic Operation (extra levels not available in all programs)	A000-A023	F000-F100	Flash speed (slow to fast)
		P000-P100	Run speed (slow to fast)
		C000-C100	Color
SYS	SdAd	000-509	Set DMX address
	SAAd		Reset software

Configuration (DMX) Set the product in DMX mode to control with a DMX controller.

1. Connect the product to a suitable power outlet.
2. Turn the product on.
3. Connect a DMX cable from the DMX output of the DMX controller to the DMX input socket on the product.

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 COLORstrip™ uses up to 4 DMX channels in its 4-channel DMX mode, which defines the highest configurable address to **509**.

If you are not familiar with the DMX protocol, see the DMX Primer online at www.chauvetlighting.com

To select the starting address, do the following:

1. Press <MODE> repeatedly until **SYS** or **ACt** shows on the display.
2. Use <UP> or <DOWN> to select **SYS**.
3. Press <ENTER>.
4. Use <UP> or <DOWN> to select **SdAd** from the menu.
5. Press <ENTER>.
6. Use <UP> or <DOWN> to select the starting address.
7. Press <ENTER>.

DMX Channel Assignments and Values

4-CH	Channel	Function	Value	CH. 2	CH. 3	CH. 4
1		Blackout	000 ⇔ 009		Flash Speed 000 ⇔ 249 Sound-Active 250 ⇔ 255	
		Red	010 ⇔ 019			
		Green	020 ⇔ 029			
		Blue	030 ⇔ 039			
		Yellow	040 ⇔ 049			
		Purple	050 ⇔ 059			
		Cyan	060 ⇔ 069			
		White	070 ⇔ 079			
		Color Change 1	080 ⇔ 089	Run Speed Automatic 001 ⇔ 127 Sound Active 128 ⇔ 255	Flash Speed 000 ⇔ 249 Sound Active 250 ⇔ 255	
		Color Change 2	090 ⇔ 099			
		Color Change 3	100 ⇔ 109			
		Color Change 4	110 ⇔ 119			
		Color Change 5	120 ⇔ 129			
		Color Change 6	130 ⇔ 139			
		Sequential Color Chase 1	140 ⇔ 149			
		Sequential Color Chase 2	150 ⇔ 159			
		Sequential Color Chase 3	160 ⇔ 169			
		Sequential Color Chase 4	170 ⇔ 179			
		Sequential Color Chase 5	180 ⇔ 189			
		Sequential Color Chase 6	190 ⇔ 199			
		Sequential Color Chase 7	200 ⇔ 209			
		RGB Mode	210 ⇔ 219		Red (0~100%)	
		Color Mode	220 ⇔ 229	Fade Speed (0~100%)		
	Auto Run (sound-active only)	230 ⇔ 255	NOTE: CH. 2 must be within operating values for Auto Run to function			



Note: CH. 2 must be within operating values for Auto Run to function.



Note: If the COLORstrip™ is in Sound-Active mode and there is no sound for 6 seconds, the product will default back to an Automatic program. Turn the sound sensitivity down to 128 to avoid the automatic chase.

Configuration (Standalone)

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

1. Connect the product to a suitable power outlet.
2. Turn the product on.



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 Mode

To enable the Automatic Mode, do the following:

1. Press **<MODE>** repeatedly until **SYS** or **ACT** shows on the display.
2. Use **<UP>** or **<DOWN>** to select **ACT**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to choose your desired program (**A000–A023**).
5. Press **<ENTER>**.



Certain programs will have additional functionality. To find these options, press **<ENTER>** after selecting an auto program. Then press **<UP>** or **<DOWN>**. Not every program will feature all the added functionality.

Function	Description
F000–F100	Flash speed (slow to fast)
P000–P100	Run speed (slow to fast)
C000–C100	Color

Auto Programs

Program	Function	
A000	No function	
A001	Red	
A002	Green	
A003	Blue	
A004	Yellow	
A005	Purple	
A006	Cyan	
A007	White	
A008	Color Change 1	
A009	Color Change 2	
A010	Color Change 3	
A011	Color Change 4	
A012	Color Change 5	
A013	Color Change 6	
A014	Sequential Color Chase 1	
A015	Sequential Color Chase 2	
A016	Sequential Color Chase 3	
A017	Sequential Color Chase 4	
A018	Sequential Color Chase 5	
A019	Sequential Color Chase 6	
A020	Sequential Color Chase 7	
A021	RGB Full On	In this channel: P – Red F – Green C – Blue
A022	Color Fade	
A023	Sound Active	

Sound-Active Mode

To enable the Sound-Active mode, do the following:

1. Press **<MODE>** repeatedly until **SYS** or **ACT** shows on the display.
2. Use **<UP>** or **<DOWN>** to select **ACT**.
3. Press **<ENTER>**.
4. Use **<UP>** or **<DOWN>** to choose Sound Active (**A023**).
5. Press **<ENTER>**.
6. Turn the music on and adjust the microphone sensitivity knob until the product starts responding to the beat of the music.

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



If there is no sound registered by the product, it will default back to Automatic Mode after a few seconds. Once sound begins again, the Sound Active Mode will continue.

COLORstrip Footswitch

The COLORstrip™ is fully compatible with the COLORstrip™ Footswitch from CHAUVET ® (sold separately).

For more detailed information about the COLORstrip™ Footswitch and its functionality, refer to the COLORstrip™ Footswitch User Manual available at the CHAUVET ® website: www.chauvetlighting.com

Satellite™ D-Fi

The Freedom™ series is fully compatible with the Satellite™ D-Fi from CHAUVET ® (sold separately).

For more detailed information about the Satellite™ D-Fi and its functionality, refer to the Satellite™ D-Fi User Manual available at the CHAUVET ® website: www.chauvetlighting.com.

Master/Slave Mode

The Master/Slave mode enables a single COLORstrip™ product (the “master”) to control the actions of one or more other COLORstrip™ products (the “slaves”) without the need of a DMX controller. The master product will be set to operate in Automatic Mode, 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.

Configure the products as indicated below.

Slave products:

1. Connect the DMX input of the first slave product to the DMX link output of the master. The slave product will automatically switch to slave mode. The display will show **SLA** when this occurs.
2. Connect the DMX input of the subsequent slave products to the DMX link output of the previous slave.
3. Finish setting and connecting all the slave products.

Master product:

1. Set the master to operate in [Automatic Mode](#).
2. Make the master the first product in the DMX daisy chain.



- **Configure all the slave units before connecting the master unit to the DMX 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 unit.**
- **Do not connect more than 31 slave units to the master unit.**

Master/Slave Runway Effect

The Master/Slave Runway Effect enables a single COLORstrip™ product (the “master”) to control the actions of one or more other COLORstrip™ products (the “slaves”) in sequential order for a “runway” effect without the need of a DMX controller. The master product will be set to operate in specific Automatic modes, 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.

Configure the products as indicated below.

1. Connect all products through [power linking](#).
2. Connect the DMX input of the first slave product to the DMX link output of the master. The slave product will automatically switch to slave mode. The display will show **SLA** when this occurs.
3. Connect the DMX input of the following slave products to the DMX link output of the previous slave.
4. Once your setup is complete, reset the software in the master product using the steps below. This will also reset the software of all connected slave products.
 - a. Press **<MODE>** repeatedly until **SYS** or **Act** shows on the display.
 - b. Use **<UP>** or **<DOWN>** to select **SYS**.
 - c. Press **<ENTER>**.
 - d. Press **<UP>** or **<DOWN>** until **SAAd** appears on the display.
 - e. Press **<ENTER>**.
5. On the master product, choose your auto program as described in the [Automatic Mode](#) section of this manual. The auto programs that can achieve this functionality are auto programs 14–20.

5. TECHNICAL INFORMATION

Product Maintenance

Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life. To maintain optimum performance and minimize wear, you should 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:

- Unplug the product from power.
- Wait until the product is cold.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface/vents.
- Clean all transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
- Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
- Softly drag any dirt or grime to the outside of the transparent surface.
- Gently polish the transparent surfaces until they are free of haze and lint.



Always dry the transparent surfaces carefully after cleaning them.

To return a product or request support:

- In the U.S., contact CHAUVET® World Headquarters.
- In the UK or Ireland, contact CHAUVET® Europe Ltd.
- In any other country, DO NOT contact CHAUVET®. Instead, contact your distributor. Refer to our website for contact details of distributors outside the U.S., United Kingdom, or Ireland.

Contact Us

World Headquarters

CHAUVET®

General Information

Address: 5200 NW 108th Avenue
Sunrise, FL 33351
Voice: (954) 929-1115
Fax: (954) 929-5560
Toll free: (800) 762-1084

Technical Support

Voice: (954) 929-1115 (Press 4)
Fax: (954) 756-8015
Email: tech@chauvetlighting.com

World Wide Web

www.chauvetlighting.com

United Kingdom & Ireland

CHAUVET® Europe Ltd.

General Information

Address: Unit 1C
Brookhill Road Industrial Estate
Pinxton, Nottingham, UK
NG16 6NT
Voice: +44 (0)1773 511115
Fax: +44 (0)1773 511110

Technical Support

Email: uktech@chauvetlighting.com

World Wide Web

www.chauvetlighting.co.uk



If you live outside the U.S., United Kingdom, or Ireland, contact your distributor of record and follow their instructions on how to return CHAUVET® products to them. Visit our website for contact details.

Returns

Call the corresponding CHAUVET® Tech 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.

You must 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
- The 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).

6. TECHNICAL SPECIFICATIONS

Dimensions and Weight	Length	Width	Height	Weight
	38 in (965 mm)	2.5 in (64 mm)	6 in (152 mm)	4.5 lbs (2 kg)
Note: Dimensions in inches rounded to the nearest decimal digit.				
Power	Power Supply Type	Range	Voltage Selection	
	Switching (internal)	100~240 V, 50/60 Hz	Auto-ranging	
	Parameter	120 V, 60 Hz	230 V, 50 Hz	
	Consumption	72 W	73 W	
	Operating	0.6 A	0.3 A	
Power I/O	Power I/O	US/Worldwide	UK/Europe	
	Power input connector	IEC	IEC	
	Power output connector	Edison	IEC	
Light Source	Type	Lifespan		
	LED	50,000 hours		
	Color	Quantity		
	Red	128		
Photo Optic	Parameter			
	Illuminance @ 2 m	618 lux		
	Beam angle	53° x 27°		
	Field angle	68° x 46°		
Thermal	Maximum External Temp.	Cooling System		
	104° F (40° C)	Convection		
DMX	I/O Connectors	Connector Type	Channel Range	
	3-pin XLR	Sockets	4	
Ordering	Product Name	Item Code	Item Number	
	COLORstrip™	02030122	COLORSTRIP	

