COLORdash™ Accent

User Manual

CHAUVET PROFESSIONAL

It's Green Thinking.

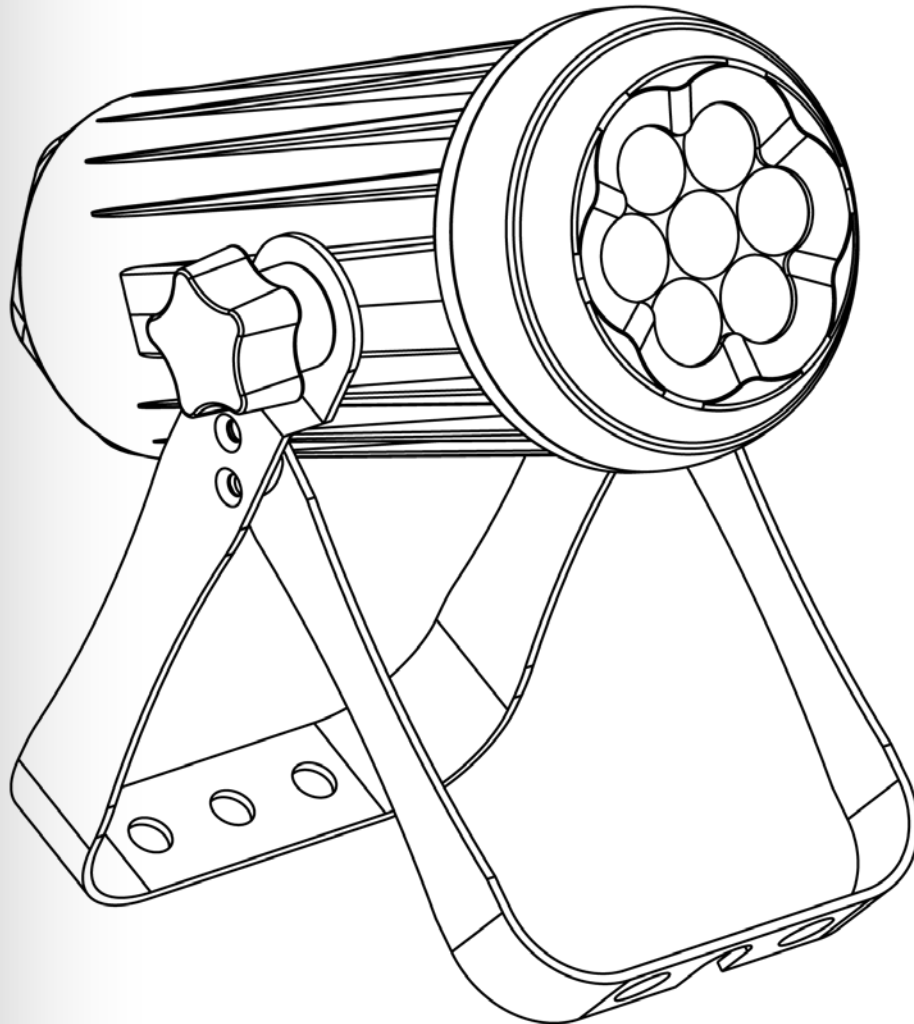## Edition Notes

The COLORdash™ Accent User Manual Rev. 5 covers the description, safety precautions, installation, programming, operation, and maintenance of the COLORdash™ Accent. CHAUVET® released this edition of the COLORdash™ Accent User Manual in August 2014.

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Document Printing
For better 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 your printer to scale the content accordingly.

Intended Audience
Any person in charge of 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
The COLORdash™ Accent User Manual Rev. 5 supersedes all previous versions of this manual. Discard any older versions of this manual and replace with this version. Go to www.chauvetprofessional.com for the latest version.

Author	Date	Editor	Date
D. Couppe	8/1/14	A. Leon	8/1/14

Table of Contents

1. BEFORE YOU BEGIN

What Is Included
- COLORdash™ Accent
- Warranty Card
- Quick Reference Guide

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

If the box or the contents (the product and included accessories) appear damaged from shipping or show signs of mishandling, notify the carrier immediately, not CHAUVET®. Failure to report damage to the carrier immediately may invalidate your claim. In addition, keep the box and contents for inspection.

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with CHAUVET® within 7 days of delivery.

Manual Conventions

Convention	Meaning
1–512	A range of values in the text
50/60	A set of mutually exclusive values in the text
[10]	A DIP switch to be configured
<SET>	A button on the product's control panel
Settings	A product function or a menu option
MENU>Settings	A sequence of menu options
1–10	A range of menu values from which to choose in a menu
Yes/No	A set of two mutually exclusive menu options in a menu
ON	A unique value to be entered or selected in a menu

Symbols

Symbols	Meaning
⚠	Critical installation, configuration, or operation information. Failure to comply with this information may cause the product not to work, damage third-party equipment, or cause harm to the operator.
ⓘ	Important installation or configuration information. Failure to comply with this information may keep the product from working.
📝	Useful information.

📝 **The term "DMX" used throughout this manual refers to the USITT DMX512-A digital data transmission protocol.**

Product At A Glance

Use on Dimmer	✘	Auto Programs	P
Outdoor Use	✘	Auto-Ranging Power Supply	P
Master/Slave	P	Replaceable Fuse/Breaker	✘
DMX	P	User-Serviceable	✘

Safety Notes

Read all the following Safety Notes before working with this product. These notes include 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 CHAUVET® certified technicians. Do not open the housing or attempt any repairs.

All applicable local codes and regulations apply to proper installation of this product.

Personal Safety

· Avoid direct eye exposure to the light source while the product is on.
· Always disconnect this product from its power source before servicing.
· Always connect this product to a grounded circuit to avoid the risk of electrocution.
· Do not touch this product's housing during operation because it may be very hot.

Mounting And Rigging

· The product is not intended for permanent installation.
· This product is for indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture. (IP20)
· Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
· Make sure there are no flammable materials close to this product while it is operating.
· When hanging this product, always secure to a fastening device using a safety cable (included).

Power And Wiring

· Always make sure you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
· Never connect this product to a dimmer pack or rheostat.
· Never disconnect this product by pulling or tugging on the power cable.

Operation

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

In the unlikely event that your CHAUVET® product may require service, contact CHAUVET® Technical Support.

Expected LED Lifespan

LEDs gradually decline in brightness over time, mostly because of heat. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal, single-LED conditions. For this reason, using clustered LEDs at their fullest intensity significantly reduces the LEDs' lifespan. Under normal conditions, this lifespan can be 40,000 to 50,000 hours. If extending this lifespan is vital, lower the operating temperature by improving the ventilation around the product and reducing the ambient temperature to an optimal operating range. In addition, limiting the overall projection intensity may also help to extend the LEDs' lifespan.

2. INTRODUCTION

Description The COLORdash™ Accent is a small LED-based, DMX controllable, wash light designed for indoor applications.

The COLORdash™ Accent is a high-power, high luminance LED wash product. This product consists of a small aluminum casing that houses the internal power supply, the main control, the control panel, the LED drivers, the LED boards, as well as the power and signal connectors. The COLORdash™ Accent includes one double-bracketed yoke that can be both a floor mount and hanging support.

Features
- 3-, 4-, or 9-channel RGBW LED wash product
- Operating modes:
  - 3-channel: RGB control
  - 4-channel: RGBW
  - 9-channel: RGBW, dimmer, strobe, macro, auto, auto speed
- RGBW color mixing with or without DMX controller
- Direct DMX input and output
- Automatic programs with or without DMX controller
- Static control with or without DMX controller
- 0–100% dimmer
- Macros
- Master/Slave operation
- Lightweight, black aluminum casing
- Natural convection cooling (no fans)
- High power (1 W, 350 mA) LEDs
- Double-bracketed yoke that doubles as a floor stand

Overview

LED (7)

Bracket
Adjustment Knob

Front View

Power In

3- Pin
DMX
In/Out

Top View

Control Panel

Rear View

Double-Bracketed
Yoke
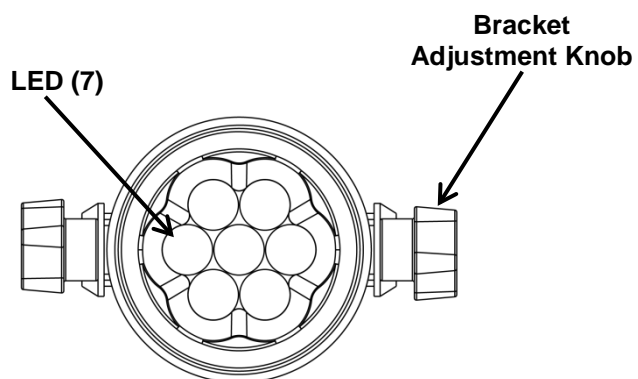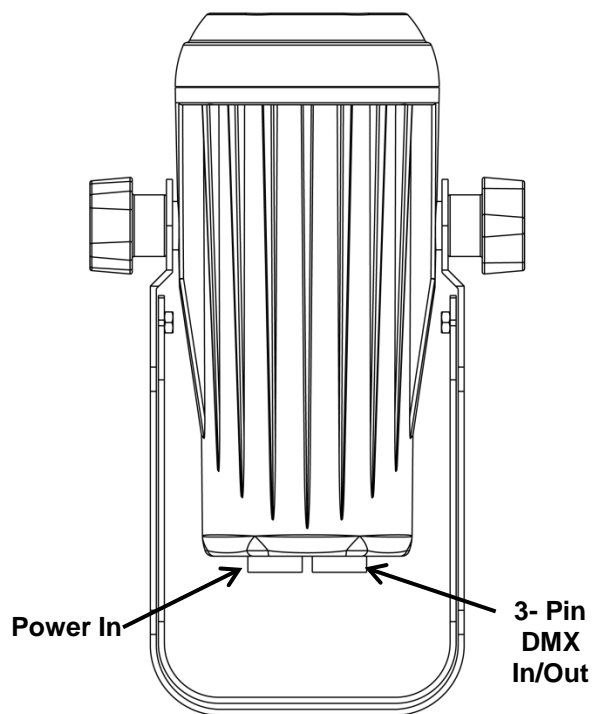
Side View

Dimensions
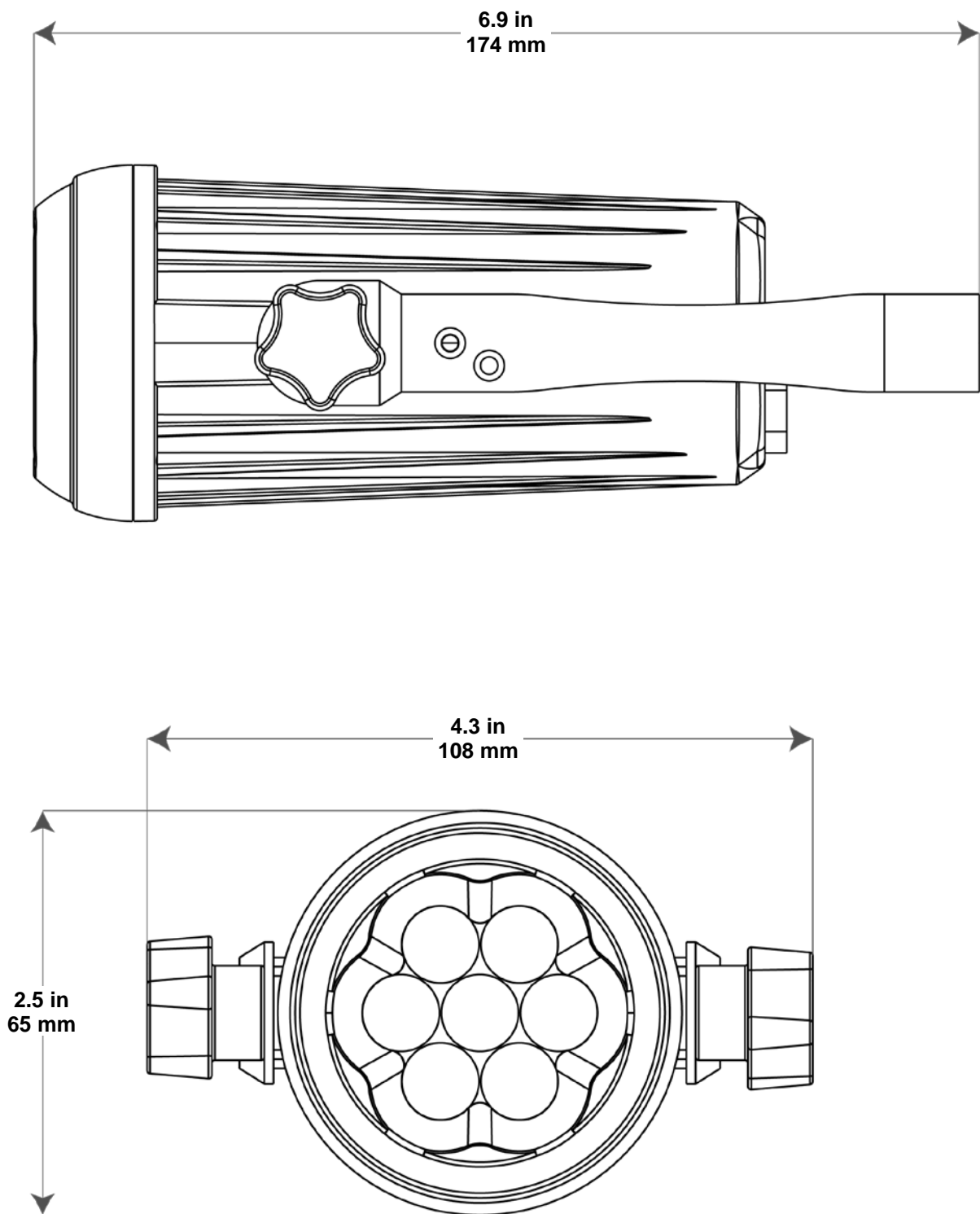
3. SETUP

AC Power Each COLORdash™ Accent has an auto-ranging power supply that works with an input voltage range of 100 to 240 VAC, 50/60 Hz. To determine the power requirements for each COLORd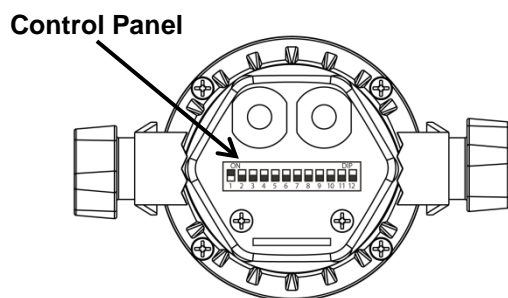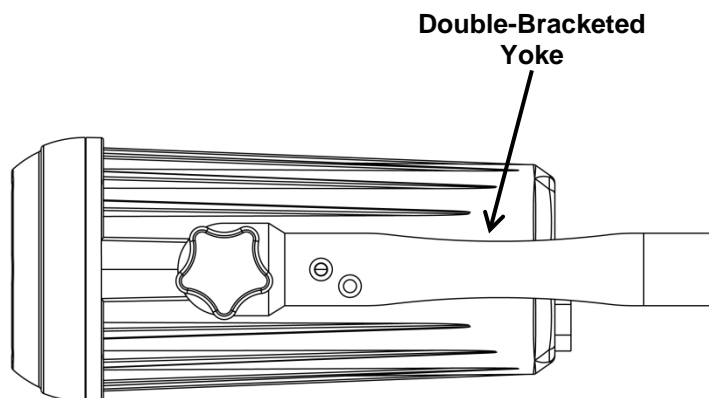ash™ Accent, refer to the label affixed to the product. You can also refer to the Technical Specifications chart in this manual.

The listed current rating indicates the maximum current draw during normal operation. For more information, you may download Sizing Circuit Breakers from the CHAUVET® website: www.chauvetlighting.com/download/pro.

⚠ **Always connect this product to a protected circuit with an appropriate electrical ground to avoid the risk of electrocution or fire.**

ⓘ **Never connect this 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™ Accent comes with a hard-wired power input cord terminated with an Edison plug. The product side of this power cord enters the product through a strain reliever (rubber boot) and it cannot be disconnected from the product. If the power input cord that came with your product has no plug, or if you need to change the Edison plug, use the table below to wire the new plug.

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

DMX Linking   You can link the COLORdash™ Accent to a DMX controller using a 3-pin DMX connection. If using other DMX-compatible products with the COLORdash™ Accent, you can control each individually with a single DMX controller.

DMX Personalities   The COLORdash™ Accent uses a 3-pin DMX data connection for the **STAGE1**, **ARC.1**, and **ARC.2** DMX personalities.

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

If you are not familiar with or need more information about DMX standards, Master/Slave connectivity, or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the CHAUVET® website: www.chauvetlighting.com/download/pro**.**

Master/Slave Connectivity   The Master/Slave mode allows a COLORdash™ Accent (the master) to control one or more COLORdash™ Accents (the slaves) without a DMX controller. One COLORdash™ Accent becomes the master when running an auto program, or by being in a Static mode.
You must configure each slave's control panel 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.

Mounting

Before mounting this product, read and follow the Safety Notes. For our CHAUVET® line of mounting clamps, go to http://trusst.com/productcategory/base-plates-accessories-clamps/.

Orientation

Always mount this product in a safe position and make sure there is adequate room for ventilation, configuration, and maintenance.

Rigging

CHAUVET® recommends using the following general guidelines when mounting this product.

- When selecting an installation location, consider easy access to this product for operation, programming adjustments, and routine maintenance.
- The product is not intended for permanent installation.
- Make sure to mount this product away from any flammable material as indicated in the Safety Notes.
- Never mount in places where rain, high humidity, extreme temperature changes, or restricted ventilation may affect the product.
- If hanging this product, make sure that the mounting location can support the product's weight. See the Technical Specifications for the weight-bearing requirements of this product.
- When hanging this product, always secure to a fastening device using a safety cable. For our CHAUVET® line of safety cables, go to http://trusst.com/productcategory/base-plates-accessories-clamps/.

Procedure

The COLORdash™ Accent comes with a double-bracketed yoke to which you can either attach mounting clamps for hanging or simply use as a floor stand. You must supply your own mounting clamps. Make sure the clamps are capable of supporting the weight of this product. Use at least one mounting point per product. For our CHAUVET® line of mounting clamps, go to http://trusst.com/productcategory/base-plates-accessories-clamps/.

Clamp

Mounting Diagram

Floor Mounting

Overhead Mounting

Safety Cable
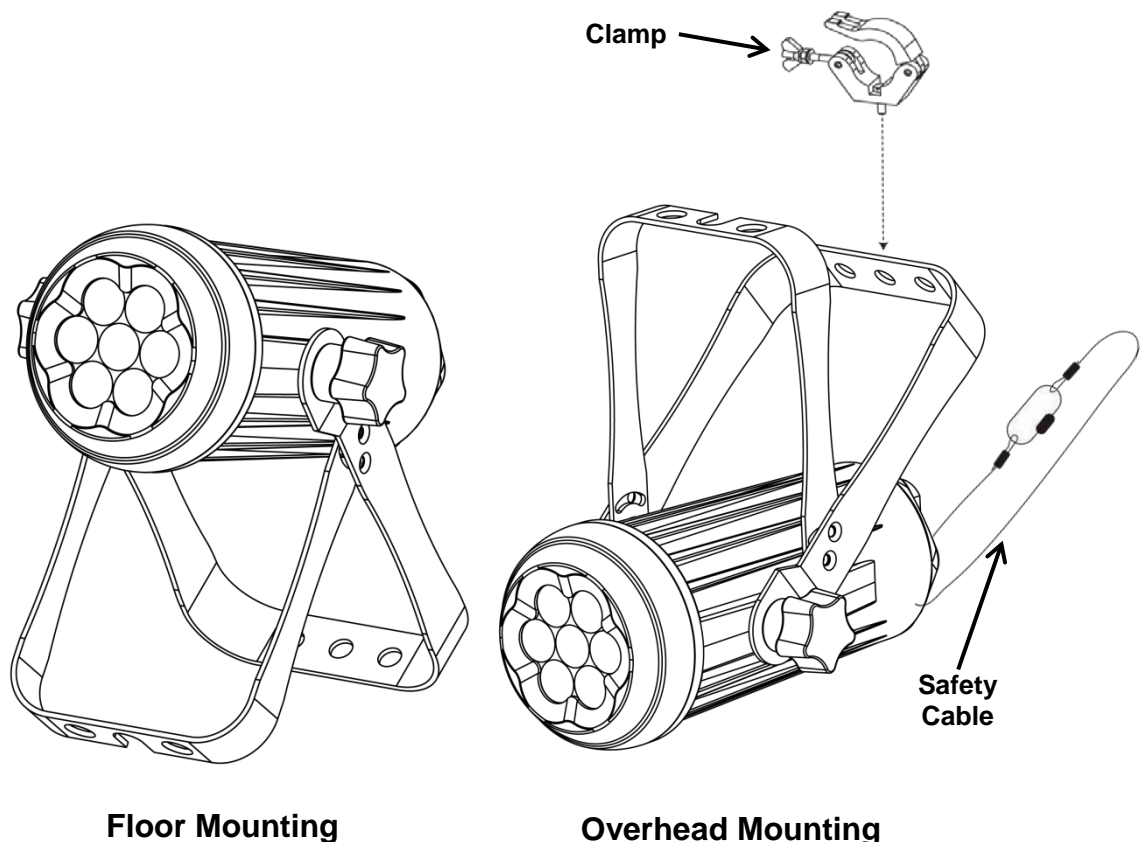
4. OPERATION

Control Panel Description

The COLORdash™ Accent has a basic control panel, which consists of a single 12-switch dual in-line package (DIP) switch module. Each of the individual switches has a number (DIP switch [1] through [12]).

The only function of DIP switches [10] through [12] is to set the product's operation mode. The function of DIP switches [1] to [9] will vary depending on which operation mode you have selected. The diagram below shows the DIP Switch Assignments. The Operation Modes table shows the DIP switch setting to enable the various operating modes for the COLORdash™ Accent.

Control Options

You can set the COLORdash™ Accent starting address in the **001**–**512** DMX range. This enables control of up to 56 products in the 9-channel **STAGE1** personality.

Dip Switch Assignments

**DIP Switches [1] to [9]
DMX Address Selection
(When DMX Mode is active)**

**DIP Switches [1] to [8]
Color Intensity
(When STATIC Mode is active)**

On Position

Off Position

ON										DIP	
1	2	3	4	5	6	7	8	9	10	11	12

**DIP Switches [1] to [5]
AUTO Programs Selection
(When AUTO Mode is active)**

**DIP Switches [10] to [12]
Operation Mode
Selection
(See table below)**
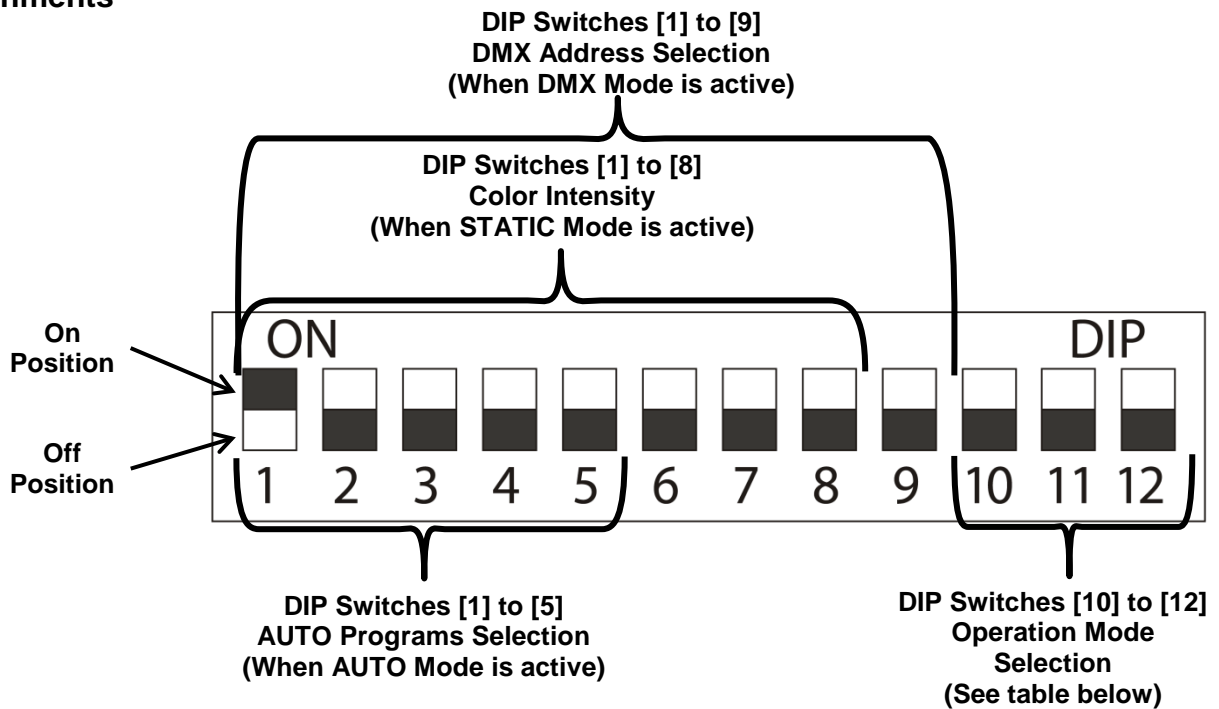
· **When the product is in DMX mode, DIP switches [1] to [9] define the product's starting address.**
· **When the product is in AUTO mode, DIP switches [1] to [5] determine which program will run.**
· **When the product is in STATIC mode, DIP switches [1] to [8] determine the intensity of the LEDs by color.**

Operation Modes

DIP 10	DIP 11	DIP 12	Function
On	**Off**	**On**	STATIC (Master)
Off	**Off**	**On**	AUTO (Master)
On	**Off**	**Off**	Slave
Off	**On**	**Off**	ARC.1
On	**On**	**Off**	ARC.2
Off	**Off**	**Off**	STAGE1

Programming

It is possible to change the product's various operation modes, DMX address, Auto, or Static mode settings while the product is on. Always make sure that you have clear access to the DIP switches on the back of the product for easier product changes.

Starting Address

When any of the DMX modes is active as per the Operation Modes Table, you may select the product's starting DMX address (**001–512**) by setting DIP switches [1] through [9] as per the table below.

DIP Switch	1	2	3	4	5	6	7	8	9
Value	1	2	4	8	16	32	64	128	256

Procedure

1. Set DIP switches [10] through [12] to select a DMX operation mode, as per the Operation Modes Table.
2. Select the desired starting address (**001–512**) by setting DIP switches [1] through [9] to **ON** or **OFF** until the sum of the value of the DIP switches in the **ON** position matches the desired address number.
3. Refer to the examples below for more information.

Starting Address Examples

These three examples are for STAGE1 DMX mode. Therefore, in all three cases, DIP switches [10], [11], and [12] are set to **OFF**.

a. To select DMX Address **1**, set DIP switch [1] to **ON**.
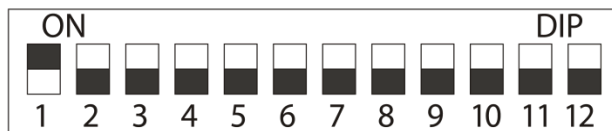
b. To select DMX Address **64**, set DIP switch [7] to **ON**.
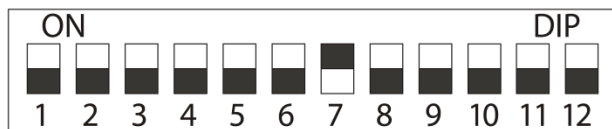
c. To select DMX Address **31**, set DIP switches [1], [2], [3], [4], and [5] to **ON** (1+ 2 + 4 + 8 + 16 = 31).
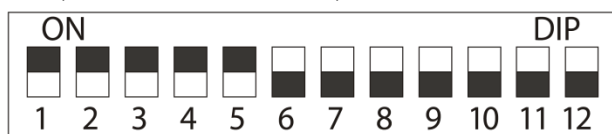
> **If you are not familiar with or need more information about DMX standards or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the CHAUVET® website:** www.chauvetlighting.com/download/pro**.**

STATIC Mode   When selecting the Static mode, the COLORdash™ Accent can be set up to various colors and intensities without a DMX controller by using DIP switches [1] through [8] as per the tables below.

STATIC Mode Configuration

	Red		Green		Blue		White	
DIP Switch	**[1]**	**[2]**	**[3]**	**[4]**	**[5]**	**[6]**	**[7]**	**[8]**
0 %	Off	Off	Off	Off	Off	Off	Off	Off
30 %	On	Off	On	Off	On	Off	On	Off
60 %	Off	On	Off	On	Off	On	Off	On
100 %	On	On	On	On	On	On	On	On

Procedure   1. Set DIP switches [10] and [12] to **ON**, and DIP switch [11] to **OFF** to select Static Mode.
2. Select the color intensity as indicated in the STATIC Mode Configuration table above.

AUTO Mode   Auto Mode allows the user to select one of the 32 preset programs (**0–31**) on each individual COLORdash™ Accent.

Dip Switch	**[1]**	**[2]**	**[3]**	**[4]**	**[5]**
Value	1	2	4	8	16

Procedure   1. Set DIP switches [10] and [11] to **OFF**, and DIP switch [12] to **ON** (Auto Mode).
2. Select the desired program (**0–31**) by setting DIP switches [1] through [5] to **ON** or **OFF** until the sum of the value of the DIP switches in the ON position matches the desired program number.
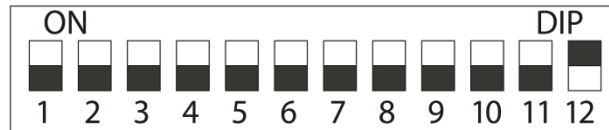3. Refer to the examples below for more information.

Auto Mode Examples   a. To select Auto program 0, set DIP switches [1] through [5] to **OFF** and DIP switch [12] to **ON**.

b. To select Auto program 9, set DIP switches [1], [4], and [12] to **ON**.
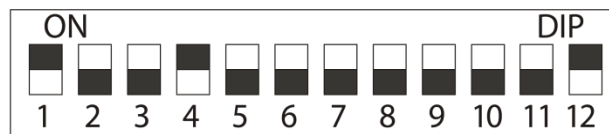
Master/Slave   The Master/Slave mode allows a group of COLORdash™ Accents (the slave products) to simultaneously duplicate the output of another COLORdash™ Accent (the master product) without a DMX controller.
   a. Connect all COLORdash™ Accents in a daisy chain.
   b. Set up the first product in the daisy chain (Master) as explained in STATIC Mode or AUTO Mode.
   c. On the rest of the COLORdash™ Accents, set DIP switch [10] to **ON**.

· **The master product 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 product.**
· **The master product should be the first product in the daisy chain.**

DMX Values

STAGE1

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	White	000🡢255	0–100%		
6	Color Macro + White Balance	000🡢010	No function		
		011🡢035	R: 100%	G: 0-100%	B: 0
		036🡢060	R: 100%-0	G: 100%	B: 0
		061🡢085	R: 0	G: 100%	B: 0-100%
		086🡢110	R: 0	G: 100%-0	B: 100%
		111🡢135	R: 0-100%	G: 0	B: 100%
		136🡢160	R: 100%	G: 0	B: 100%-0
		161🡢185	R: 100%	G: 0-100%	B: 0-100%
		186🡢210	R: 100%-0	G: 100%-0	B: 100%
		211🡢215	White 1		
		216🡢220	White 2		
		221🡢225	White 3		
		226🡢230	White 4		
		231🡢235	White 5		
		236🡢240	White 6		
		241🡢245	White 7		
		246🡢250	White 8		
		251🡢255	White 9		
7	Strobe	000🡢009	No Function		
		010🡢255	0–20 Hz		

DMX Values (Cont.)

STAGE1 (Cont.)	Channel	Function	Value	Percent/Setting
	8	**Programs**	000–020	No Function
			021–030	Auto 0
			031–040	Auto 1
			041–050	Auto 2
			051–060	Auto 3
			061–070	Auto 4
			071–080	Auto 5
			081–090	Auto 6
			091–100	Auto 7
			101–110	Auto 8
			111–120	Auto 9
			121–130	Auto 10
			131–140	Auto 11
			141–150	Auto 12
			151–160	Auto 13
			161–170	Auto 14
			171–180	Auto 15
			181–190	Auto 16
			191–200	Auto 17
			201–210	Auto 18
			211–220	Auto 19
			221–223	Auto 20 (Red)
			224–226	Auto 21 (Red & Green)
			227–229	Auto 22 (Red & Blue)
			230–232	Auto 23 (Red & White)
			233–235	Auto 24 (Green)
			236–238	Auto 25 (Green & Blue)
			239–241	Auto 26 (Green & White)
			242–244	Auto 27 (Blue)
			245–247	Auto 28 (Blue & White)
			248–250	Auto 29 (White)
			251–253	Auto 30 (Red & Green & Blue)
			254–255	Auto 31 (Red & Green & Blue & White)
	9	**Auto Speed**	000–255	Only when **Auto 0–19** in Ch. 8 is activated

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

ARC.2	Channel	Function	Value	Percent/Setting
	1	**Red**	000–255	0–100%
	2	**Green**	000–255	0–100%
	3	**Blue**	000–255	0–100%
	4	**White**	000–255	0–100%

5. TECHNICAL INFORMATION

Product Maintenance

To maintain optimum performance and minimize wear, you should clean this product frequently. Usage and environment are contributing factors in determining the cleaning frequency.

As a rule, clean this product at least twice a month. Dust build-up reduces light output performance and can cause overheating. This can lead to reduced light source life and increased mechanical wear.

To clean your product:

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 vents.
4. Clean all external surfaces with a mild solution of non-ammonia glass cleaner or isopropyl alcohol.
5. Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
6. Wipe any dirt or grime to the outside edges of the lens surface.
7. Gently polish the lens surfaces until they are free of haze and lint.

(i) Always dry the external surfaces thoroughly and carefully after cleaning them.

6. TECHNICAL SPECIFICATIONS

Dimensions and Weight	Length	Width	Height	Weight
	6.9 in (174 mm)	4.3 in (108 mm)	2.5 in (65 mm)	1.5 lb (0.6 kg)

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

Power	Power Supply Type	Range	Voltage Selection
	Switching (internal)	100–240 VAC, 50/60 Hz	Auto-ranging
	Parameter	**120 VAC, 60 Hz**	**230 VAC, 50 Hz**
	Consumption	10 W	10 W
	Current	0.1 A	0.1 A
	Power I/O	**U.S./Canada**	**Worldwide**
	Power input connector	Hard-wired	Hard-wired
	Power cord plug	Edison (U.S.)	Local plug

Light Source	Type	Power	Lifespan
	LED	1 W	50,000 hours
	Color	**Quantity**	**Current**
	Red	2	350 mA
	Green	2	350 mA
	Blue	2	350 mA
	White	1	350 mA

Photo Optic	Parameter	Standard 18º Optics
	Illuminance @ 5 m	153 lux
	Beam angle	20°
	Field angle	37.5°

Thermal	Max. External Temperature	Cooling System
	113 °F (45 °C)	Convection

DMX	I/O Connectors	Connector Type	Channel Range
	3-pin XLR	Sockets	3, 4 or 9

Ordering	Product Name	Item Code	UPC Number
	COLORdash™ Accent	01030111	781462203825

RoHS

Returns   You must send the product prepaid, in the original box, and with the original packing and accessories. CHAUVET® will not issue call tags.

Call CHAUVET® 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(s) for the return.

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

DO NOT write the RMA number directly on the box. Instead, write it on a properly affixed label.

Once you have received the RMA number, include the following information on a piece of paper inside the box:

· Your name
· Your address
· Your phone number
· The RMA number
· A brief description of the problem(s)

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

CHAUVET® reserves the right to use its own discretion to repair or replace returned product(s).

CONTACT US

WORLD HEADQUARTERS - CHAUVET®

General Information
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Sunrise, FL 33351
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Fax: (954) 929-5560
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Outside the U.S., United Kingdom, Ireland, or Mexico, contact the dealer of record. Follow their instructions to request support or to return a product. Visit our website for contact details.