COLORband Q3BT

User Manual
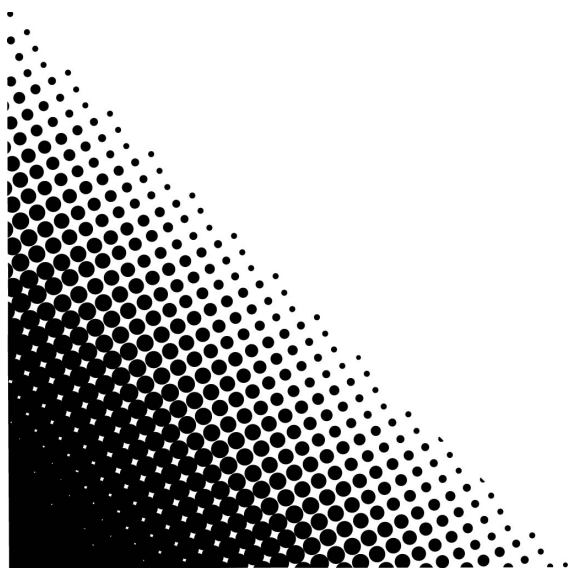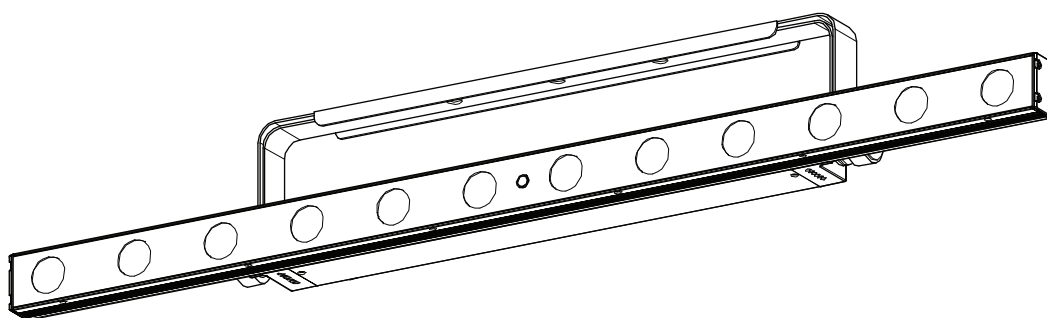
CHAUVET DJ

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1. Before You Begin

What Is Included

- COLORband Q3BT
- 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
⚠	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.

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Patent Pending.

Safety Notes

- This product is not intended for permanent installation.
- 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 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.

- The voltage of the outlet to which you are connecting this product must be 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 or rheostat.
- 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 bracket.
- The maximum ambient temperature is 104 °F (40 °C). Do not operate this product at higher temperatures.
- In the event of a serious operating problem, stop using the product immediately.
- Do not open this product. It contains no user-serviceable parts.
- 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 the product is sold to someone else, be sure that they also receive this document.

2. Introduction

Product Overview

| Safety loop | Power in | Fuse holder | Power out | DMX in/out | Microphone | Menu buttons | LED display |
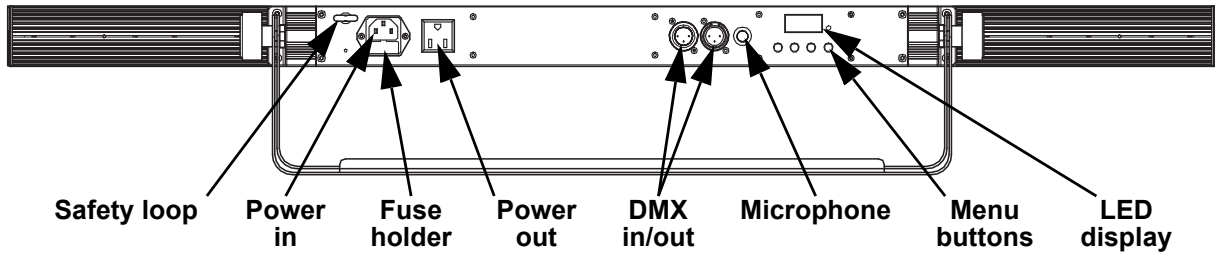
Product Dimensions

3. Setup

AC Power

The COLORband Q3BT 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.**
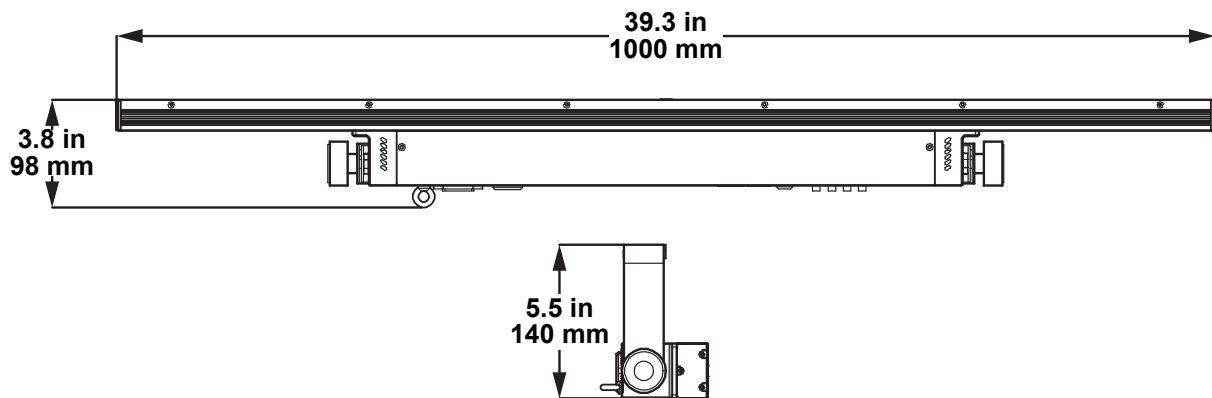
Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

Fuse Replacement

1. Disconnect the product from power.
2. 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 and replace with a fuse of the exact same type and rating.
5. Insert the fuse holder back in place and reconnect power.

Installed fuse
(held by plastic clip)

Spare fuse holder
(inside safety cap)

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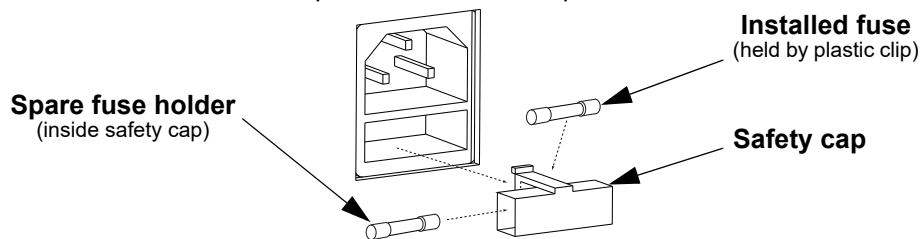
Disconnect the product from the power outlet before replacing the fuse.

Power Linking

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

Power Linking Diagram

Power Source

1st Product

2nd Product

3rd Product

Additional Products
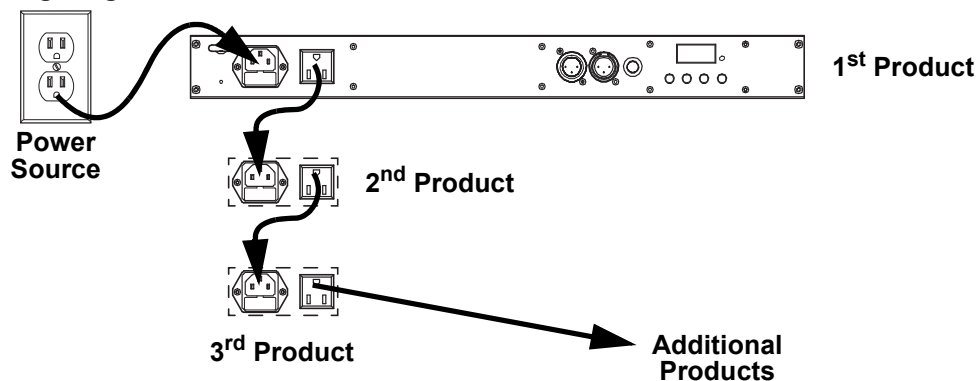
You can power link up to 10 COLORband Q3BT products on 120 VAC or up to 18 COLORband Q3BT products on 230 VAC.

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the <u>Safety Notes</u>.

Orientation

The COLORband Q3BT 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.
- 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 <u>Technical Specifications</u>)
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.
- When power linking multiple products, mount the products close enough for power linking cables to reach.
- The bracket adjustment knobs allow for directional adjustment when aiming the product to the desired angle. Only loosen or tighten the bracket knobs manually. Using tools could damage the knobs.

Mounting Diagram

Mounting clamp
(such as **CLP-15** from Chauvet)

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

Mounting bracket

Bracket adjustment knob (x2)
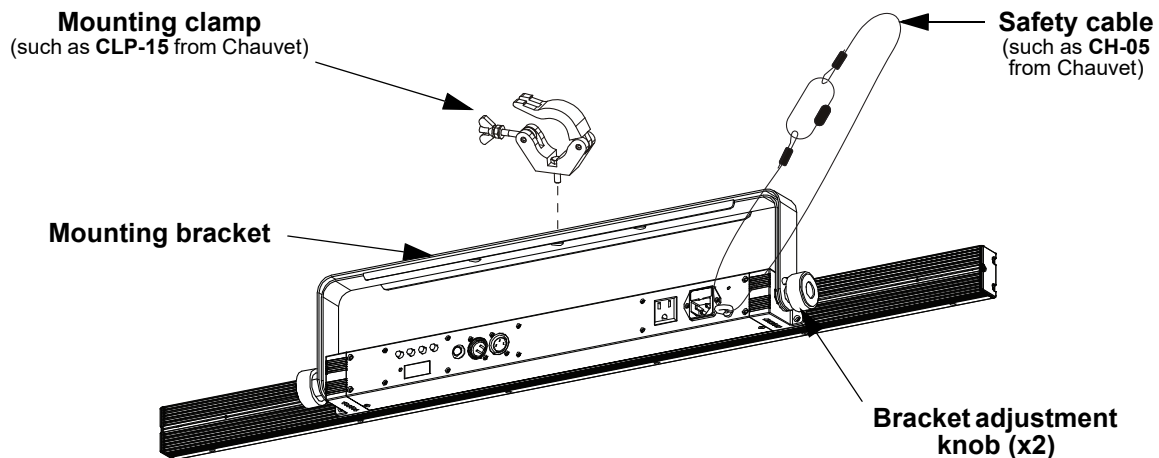
4. Operation

Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display. Refer to the Product Overview to see the button locations on the control panel.

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

Menu Map

Mode	Programming Levels			Description
DMX Mode	**4Ch**	**d. 1–509**		4-channel DMX mode
	6Ch	**d. 1–507**		6-channel DMX mode
	16Ch	**d. 1–497**		16-channel DMX mode
Static Colors	**C--**	**C 1–15**		Static colors
Automatic Programs	**P--**	**P 1–8**		Automatic programs
Auto Speed	**S--**	**S. 1–100**		Program speed for P 1–8
Dimmer	**dIM**	**L. 1–255**		Dimmer
Sound-Active Mode	**Snd**	**Snd1–8**		Sound-active programs
Sensitivity	**SEnS**	**u 0–100**		Sound sensitivity
Custom Color Mixing	**u--**	**r. 0–255**		Custom static colors Combine red, green, blue, and amber
		G. 0–255		
		b. 0–255		
		A. 0–255		
		S. 0–100		Strobe rate
Bluetooth Mode*	**bLE**	**– – – – –**		Bluetooth control mode, displays Bluetooth ID
Control Mode	**SEt**	**ir**	**on**	Turns infrared on or off
			oFF	
		out	**DMX**	Enable Master/Slave with non-BT products
			SLAV	Enable Master/Slave with other BT products

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Configuration (DMX)

The COLORband Q3BT 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 Q3BT uses up to 16 DMX channels, which defines the highest configurable address as **497**.

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 **4Ch**, **6Ch**, or **16Ch** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select the starting address, from **d001–509**.
4. Press **<ENTER>**.

DMX Channel Assignments and Values

16Ch

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	Amber 1	000 ⇔ 255	0–100%
5	Red 2	000 ⇔ 255	0–100%
6	Green 2	000 ⇔ 255	0–100%
7	Blue 2	000 ⇔ 255	0–100%
8	Amber 2	000 ⇔ 255	0–100%
9	Red 3	000 ⇔ 255	0–100%
10	Green 3	000 ⇔ 255	0–100%
11	Blue 3	000 ⇔ 255	0–100%
12	Amber 3	000 ⇔ 255	0–100%
13	Strobe	000 ⇔ 015	No function
		016 ⇔ 255	Strobe, slow to fast
14	Auto Programs	000 ⇔ 005	No function
		006 ⇔ 036	Auto program 1 (programs 2–7)
		037 ⇔ 068	Auto program 2
		069 ⇔ 100	Auto program 3
		101 ⇔ 132	Auto program 4
		133 ⇔ 164	Auto program 5
		165 ⇔ 196	Auto program 6
		197 ⇔ 228	Auto program 7
		229 ⇔ 255	Auto program 8
15	Auto Speed	000 ⇔ 250	Program speed, slow to fast
		251 ⇔ 255	Sound-active mode
16	Dimmer	000 ⇔ 255	0–100%

COLORband Q3BT Zones for DMX control (16Ch)
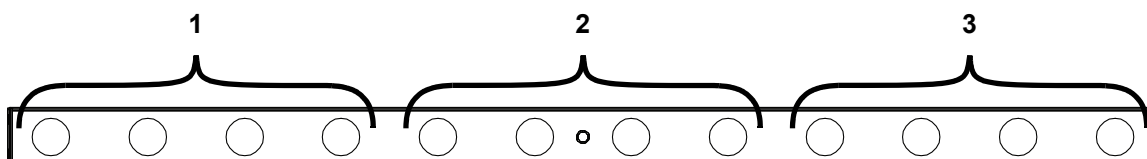
6Ch

Channel	Function	Value	Percent/Setting
1	Red	000 ⇔ 255	0–100%
2	Green	000 ⇔ 255	0–100%
3	Blue	000 ⇔ 255	0–100%
4	Amber	000 ⇔ 255	0–100%
5	Dimmer	000 ⇔ 255	0–100%
6	Strobe	000 ⇔ 015	No function
		016 ⇔ 255	Strobe, slow to fast

4Ch

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

Configuration (Bluetooth)

The COLORband Q3BT can be operated with the BTAir application over a Bluetooth connection.
1. Download and install the BTAir app from your preferred app store.
2. Press **<MENU>** repeatedly until **bLE** shows on the display.
3. Press **<ENTER>**.
4. The app will find and pair automatically to all the BT series products within range.

Configuration (Standalone)

Set the product in the standalone mode 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 Program

To run a program on the COLORband Q3BT, 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 1–8**.
4. Press **<ENTER>**.

Auto Program Speed

To adjust the auto program speed on the COLORband Q3BT, 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.

Sound-Active Program

To run a sound-active program on the COLORband Q3BT, follow the instructions below.
1. Press **<MENU>** repeatedly until **Snd** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select a sound-active program, from **Snd1–8**.
4. Press **<ENTER>**.

Sound Sensitivity

To adjust the sound sensitivity on the COLORband Q3BT, 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>**. The product will return to the last selected mode.

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

Static Color Mode

To run the COLORband Q3BT 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 1–15**.
4. Press **<ENTER>**.

Custom Color Mixing

To mix a custom color on the COLORband Q3BT, do the following:
1. Press **<MENU>** repeatedly until **u--** shows on the display.
2. Press **<ENTER>** and one of the following will show on the display:
   - **r. _ _ _** (red)
   - **G. _ _ _** (green)
   - **b. _ _ _** (blue)
   - **A. _ _ _** (amber)
   - **S. _ _ _** (strobe)
3. Press **<ENTER>** to cycle through the options.
4. Use **<UP>** or **<DOWN>** to increase or decrease the selected value, from **0–255** (for red, green, or blue) or from **0–100** (for strobe rate).
   - Strobe rate - **0**: no function, **1–99**: slow to fast, **100**: sound-active.
5. Repeat steps 3 and 4 until the color is set as desired.

Dimmer

To set the dimmer value on the COLORband Q3BT, follow the instructions below.
1. Press **<MENU>** repeatedly until **dIM** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to set the dimmer, from **L. 1–255**.
4. Press **<ENTER>**.

IRC-6 Infrared Remote Control

The COLORband Q3BT is compatible with the IRC-6 infrared remote control from Chauvet. To enable or disable the IR mode on the COLORband Q3BT, follow the instructions below:
1. Press **<MENU>** repeatedly until **SEt** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **ir**.
4. Press **<ENTER>**.
5. Press **<UP>** or **<DOWN>** to select **on** or **oFF**.
6. Press **<ENTER>**.

IRC-6 Operation
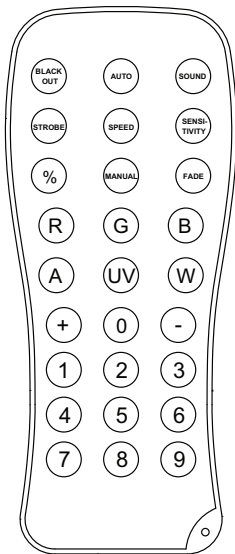
Automatic Mode
Automatic mode will enable you to run the automatic programs on the product.
To turn on Automatic mode:
1. Press **<AUTO>** on the IRC-6.
2. Press **<AUTO>** repeatedly to cycle through the auto programs, or use **<+>** or **<–>** to select the desired program.

To select a fading program:
1. Press **<FADE>** on the IRC-6.
2. Press **<FADE>** repeatedly to cycle through **P5–8**.

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.
2. Press **<SOUND>** repeatedly to cycle through the auto programs, or use **<+>** or **<–>** to select the desired program.

To adjust the 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, press any number between **<0>~<9>** to choose a preset color.
To manually control the RGB percentage:
1. Press **<R>** (red), **<G>** (green), **<B>** (blue), **<A>** (amber), or **<STROBE>** to choose the value to edit.
2. Press **<+>** or **<–>** to increase or decrease the selected value.
   • Press **<UV>/<P>** to set all colors to **0**, or **<W>** to set all colors to **255**.

Miscellaneous Operation
To adjust the total output level:
1. Press **<%>** on the IRC-6.
2. Press **<+>** or **<–>** to increase or decrease the sound sensitivity.

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

The Master/Slave mode allows a single COLORband Q3BT product (the "master") to control the actions of one or more COLORband Q3BT products (the "slaves") without the need of a DMX controller. The master product will be set to operate in standalone or with the IRC-6, 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 **4Ch** shows on the display.
2. Press **<ENTER>**.
3. Set the DMX address to **d001**.
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. Press **<MENU>** repeatedly until **SEt** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **out**.
4. Press **<ENTER>**.
5. Press **<UP>** or **<DOWN>** to select **DMX** (Master/Slave with non-BT products) or **SLAV** (Master/Slave with other BT products).
6. Press **<ENTER>**.
7. Set the master product to operate in standalone or IR mode.
8. 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.**

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
39.3 in (1000 mm)	3.8 in (98 mm)	5.5 in (140 mm)	6.6 lb (3.1 kg)

Note: Dimensions in inches are rounded.

Power

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

Parameter	120 V, 60 Hz	230 V, 50 Hz
Consumption	57 W	55 W
Operating Current	0.7 A	0.4 A
Power Linking Current (products)	8 A (10 products)	8 A (18 products)
Fuse	T 1 A, 250 V	T 1 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 (U.S.)	Local Plug

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Quad-color RGBA	12	4 W	1.4 A	50,000 hours

Photometrics

Beam Angle	Field Angle	Illuminance @ 2 m
42°	70°	635 lux

Thermal

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

DMX

I/O Connector	Channel Range
3-pin XLR	4, 6 or 16

Ordering

Product Name	Item Code	UPC Number
COLORband Q3BT	10031572	781462219208

RoHS

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 US, 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	
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Fax: (954) 929-5560	
Toll Free: (800) 762-1084	Website: www.chauvetdj.com
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Germany	Website: www.chauvetdj.eu
Voice: +49 421 62 60 20	
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Zona Industrial Lerma	Website: www.chauvetdj.mx
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Visit the applicable website above to verify our contact information and instructions to request support. Outside the US, UK, Ireland, Mexico, France, Germany, or Benelux, contact the dealer of record.