

CHAUVET DJ Freedom Stick X4 RGB LED Array User Manual

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Freedom Stick X4 RGB LED Array

Product User Manual

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Product Information

Introduction

The product is a lighting device designed for various applications. It provides a versatile and customizable lighting experience.

Product Overview

The product offers a wide range of features and functionalities, including:

- High-quality lighting output
- Control panel for easy operation
- DMX compatibility for advanced configurations
- Battery-powered option for portable use
- Multiple charging options
- Mounting and rigging capabilities
- Diffuser tube for light diffusion
- Preset color settings and automatic programs

Product Dimensions

The product dimensions are as follows:

- Length: [insert length]
- Width: [insert width]
- Height: [insert height]
- Weight: [insert weight]

Product Usage Instructions

Setup

DC Power

To power the product using DC power, follow these steps:

1. [Insert step 1]
2. [Insert step 2]
3. [Insert step 3]

Multi-Charger

If you prefer to use the multi-charger, follow these steps:

1. [Insert step 1]
2. [Insert step 2]

3. [Insert step 3]

Battery Power

To use the product with battery power, please ensure the battery is fully charged before proceeding.

Charging the Battery

To charge the battery, follow these steps:

1. [Insert step 1]

2. [Insert step 2]

3. [Insert step 3]

Battery Life Indicator

The product features a battery life indicator that displays the remaining battery level. Refer to the user manual for more information on interpreting the battery life indicator.

Battery Run Time

The battery run time varies depending on the usage and settings. It is recommended to fully charge the battery before each use for optimal performance.

Mounting

To mount the product, follow these steps:

1. [Insert step 1]

2. [Insert step 2]

3. [Insert step 3]

Orientation

The product can be used in different orientations. Follow the guidelines in the user manual to ensure proper orientation for optimal performance.

Rigging

If rigging is required, please follow the instructions provided in the user manual. Proper rigging ensures the product's stability and safety during operation.

Diffuser Tube

The diffuser tube is an optional accessory that can be used to achieve a softer and more diffused lighting effect. Refer to the user manual for instructions on attaching and using the diffuser tube.

Operation

Control Panel Operation

The control panel allows you to navigate and adjust various settings of the product. Refer to the user manual for detailed instructions on using the control panel.

Menu Map

The menu map provides an overview of the product's menu structure and options. Use the menu map as a reference when accessing different settings and configurations.

Configuration (DMX)

If you wish to configure the product using DMX, follow the instructions provided in the user manual. DMX configuration allows for advanced control and customization options.

Personality and Starting Address

Refer to the user manual for instructions on setting the personality and starting address for DMX control. These settings determine how the product responds to DMX signals.

D-Fi Configuration

If you want to use the product with wireless DMX control, refer to the user manual for instructions on configuring the D-Fi settings.

DMX Channel Assignments and Values

The user manual provides a detailed guide on DM

[View Fullscreen](#)

User Manual

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Before You Begin

1. Before You Begin

What Is Included

- 4x Freedom Stick · 4x diffusion tube · 4x USB charging cable
- 4x base plate · Multi-charger · RFC remote
- Carry bag · 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 a 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 1512 50/60

Settings <ENTER>

ON

Symbols

Meaning A range of values A set of values of which only one can be chosen A menu option not to be modified A key to be pressed on the product's control panel A value to be entered or selected

Symbol

Meaning

Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.

Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.

Important installation or configuration information. The product may not function correctly if this information is not used.

Useful information.

Disclaimer

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Before You Begin

FCC Statement of Compliance

This device complies with Part 15 Part B of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Warning for North America and Australia

Warning! This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and the user. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Safety Notes

These Safety Notes include important information about installation, use, and maintenance of the Freedom Stick. ALWAYS: Connect to a grounded circuit. Connect to operating voltages as specified on the product's spec sticker. Disconnect from its power source during periods of inactivity. Heed all restrictions and warnings on the spec sticker. Mount in a location with at least 20 in (50 cm) of ventilation.

In the event of a serious operating problem, stop using immediately. DO NOT:

Open this product or attempt any repairs. It contains no user-serviceable parts. Look at the light source when the product is on. Use if the power cord is crimped or damaged. Disconnect by pulling on the power cord. Allow flammable materials close to the product when it is operating. Touch the housing when it is on. Block any ventilation holes/slots in the housing. Connect to a dimmer or rheostat. Carry the product by its power cord. Operate in temperatures higher than 104°F (40°C). Expose to environments that exceed the Ingress Protection (IP) rating. Expose to rain or moisture. Use outdoors. Submerge.

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

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Before You Begin

Battery Charge Notes

Rechargeable lithium-ion batteries are potentially hazardous and can present a serious FIRE HAZARD, SERIOUS INJURY and/or PROPERTY DAMAGE if damaged, defective, or improperly used.

ALWAYS: Charge using a manufacturer-provided charger while the product is powered off. Charge the battery in temperatures between 32°-95°F (0°-35°C). Allow a depleted battery to charge for a few minutes before turning on the product. If the battery is completely discharged, the device cannot be turned on immediately when the charger is connected. Keep at least 3 ft (1 m) distance to any heat source and away from flammable materials. Keep the lid of any charging case open while charging. Keep batteries away from children. Store batteries between 40-60% charge. Follow local regulations when disposing of batteries. Replace with an authentic Chauvet battery.

DO NOT: Continue charging if the battery becomes hot, smokes, swells, or gives off an odor during charging. Leave the product unattended while charging. Deplete the battery below 10%. Charge the battery in a closed container. Charge for more than 24 hours.

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2. Introduction

Product Overview

Introduction

USB type C charging port
LED display

LED indicators
Power switch
Menu buttons

DMX in/out

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Introduction Product Dimensions

59 in 1500 mm

6.3 in 160 mm

0.75 in 19 mm

2.33 in 59.12 mm

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3. Setup
DC Power
Multi-Charger

Setup

DC output x5

AC input

The Freedom Stick X4 comes with a multi-charger which can work with an input voltage range of 100 to 240 VAC, 50/60 Hz and has 5 outputs of 12 V DC. To determine the multi-charger'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 multi-charger 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.

Battery Power

Each Freedom Stick comes with a rechargeable lithium battery for cable-free operation.

Charging the Battery

The battery charges whenever the Freedom Stick is plugged into a power source using the included power cord. If the product is plugged in and not in operation, make sure the product is turned off.

- Before charging the product, read and follow the Battery Charge Notes.
- The LED indicator light will flash if units are overcharged.
- DO NOT use the Freedom Stick on full power mode (all LEDs at 100%) while being charged/plugged into a power source, as the unit will get extremely hot.

Battery Life Indicator

The indicators on the LED menu display show how much battery life remains available. The drawing below provides a key to reading the battery life indicators.

Battery Run Time

Maximum Run Time (360°)

Up to 5 hours

Maximum Run Time (180°)

Up to 10 hours

Maximum Run Time (single color on)

Up to 20 hours

Recharge Time 4 hours

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Setup

Mounting

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

Orientation

The Freedom Stick 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.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the Technical Specifications)
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, such as an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity. The When mounting the product on the floor, make sure that the product is away from people and vehicles.

Mounting Diagram

M10 threaded insert Base plate

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Setup

Diffuser Tube

Each Freedom Stick comes with an optional diffuser tube installed. To uninstall the diffuser tube, remove the thumbscrew from the top of the product, slide the diffuser tube off, and reinstall the thumbscrew.

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Operation

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

Refer to the Freedom Stick product page on www.chauvetdj.com for the latest menu map.

Mode DMX mode Preset color

Automatic program

Speed Sound mode

Sensitivity Custom color

RF mode

LED mode Reset

3Ch 8Ch 48Ch 50Ch C–

P–

S-Snd SenS u–

Programming Levels

d001510

C 17

P 121

1–r

2–r

1–G

2–G

1–b

2-b

1-Gb P 2227 1-rb

2-Gb 2-rb

1-rG

2-rG

1rGb 2rGb

1oFF 2oFF

P 28

P 2934

P 35

S. 1100

Snd1

Snd2

u. 1100

r. 0255

G. 0255

b. 0255

PubL

rF

oFF

Link

rF-G SEt

LEd

rESt

Gro14

ALL Fron bACk

no YES

Description

Selects DMX personality and starting address

Selects a static color Selects automatic program 121

Selects automatic program 2227, color 1, and color 2

Cycles automatic programs 121 Selects a program designed for master/slave Cycles automatic programs 2934

Sets the automatic program speed Selects sound-active mode Sets the sound sensitivity Combines red, green,

and blue to make a custom color (0100%) Allows the fixture to respond to all RF signals Turns off RF reception

Links the fixture to a single RF remote Sets which group of fixture the RFC-XL remote will control 360°, back and

front LEDs 180°, front LEDs only 180°, back LEDs only Resets the product to factory default settings

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Operation

Mode D-Fi Slave mode

S-tr SLA

Programming Levels

Description

dtCh dt0116 Selects a D-Fi channel to transmit

on

drCh dr0116 Selects a D-Fi channel to receive

oFF

Turns off D-Fi

SLA14

Selects slave mode 14

For programs 2227, color 1 and 2 cannot be assigned the same color.

Configuration (DMX)

The Freedom Stick works with a DMX controller via a 3-pin DMX or wireless D-Fi connection. Information about DMX is in the CHAUVET DMX Primer, which is available from the Chauvet website

chauvetlighting.com/downloads/DMX_Primer_rev05_WO.pdf.

Personality and Starting Address

The Freedom Stick uses up to 50 DMX channels in the 50Ch DMX mode, which defines the highest configurable address to 463. For information about the DMX protocol, download the DMX Primer from www.chauvetdj.com. To select the personality and starting address, do the following:

1. Press <MENU> repeatedly until 3Ch, 8Ch, 48Ch, or 50Ch shows on the display. 2. Press <ENTER>. 3. Use <UP> or <DOWN> to select the starting address, from d001510. 4. Press <ENTER>.

D-Fi Configuration

To set the Freedom Stick to transmit or receive a DMX signal over D-Fi, follow the instructions below. 1. Press <MENU> repeatedly until S-tr shows on the display. 2. Press <ENTER>. 3. Press <ENTER> to select on (to

disable D-Fi, select oFF). 4. Press <ENTER>. 5. Press <ENTER> to select from drCh (to receive), or dtCh (to transmit). 6. Press <ENTER>. 7. Use <UP> or <DOWN> to set the channel, from d_0116. The product will transmit on the selected channel or receive a signal on the selected channel. 8. Press <ENTER>.
 Caution: D-Fi 2.4 GHz operation can be interrupted or inhibited by obstructions between the transmitter and receiver such as structures or people. For best results, keep the line of sight clear.
 Ensure that all linked Freedom Stick products are set to the same DMX personality.

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Operation

DMX Channel Assignments and Values

3Ch 8Ch 48Ch 50Ch Function 1 Dimmer 1 2 1 1 Red 1 2 3 2 2 Green 1 3 4 3 3 Blue 1
 5 Color macros
 6 Strobe

Value Percent/Setting

000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100% 000 010 No function 011 030 Red full, green increase 031 050 Red decrease, green full 051 070 Green full, blue increase 071 090 Green decrease, blue full 091 110 Red increase, blue full 111 130 Red full, blue decrease 131 150 Red full, green and blue increase 151 170 Red and green decrease, blue full 171 200 Red, green, and blue full 201 205 Color 1 206 210 Color 2 211 215 Color 3 216 220 Color 4 221 225 Color 5 226 230 Color 6 231 235 Color 7 236 240 Color 8 241 245 Color 9 246 250 Color 10 251 255 Color 11 000 010 No function 011 255 Strobe, slow to fast

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3Ch 8Ch 48Ch 50Ch Function

7 Automatic program

Program speed (when Ch. 7 is 011234) 8 Sound sensitivity (when Ch. 7 is 235255) 4 4 Red 2 5 5 Green 2 6 6 Blue 2 7 7 Red 3 8 8 Green 3 9 9 Blue 3 10 10 Red 4 11 11 Green 4 12 12 Blue 4 13 13 Red 5 14 14 Green 5 15 15 Blue 5 16 16 Red 6

Operation

Value Percent/Setting

000 010 No function

011 018 Automatic program 1

019 026 Automatic program 2

027 034 Automatic program 3

035 042 Automatic program 4

043 050 Automatic program 5

051 058 Automatic program 6

059 066 Automatic program 7

067 074 Automatic program 8

075 082 Automatic program 9

083 090 Automatic program 10

091 098 Automatic program 11

099 106 Automatic program 12

107 114 Automatic program 13

115 122 Automatic program 14

123 130 Automatic program 15

131 138 Automatic program 16

139 146 Automatic program 17

147 154 Automatic program 18

155 162 Automatic program 19

163 170 Automatic program 20

171 178 Automatic program 21

179 186 Automatic program 22

187 194 Automatic program 23

195 202 Automatic program 24

203 210 Automatic program 25

211 218 Automatic program 26 219 226 Automatic program 27

227 234 Automatic program 28 (cycles 127)

235 255 Sound-active program

000

255

Automatic fast

program

speed,

slow

to

000 255 Sound sensitivity off

000 255 Sound sensitivity, low to high

000 255 0100%

000 255 0100%

000 255 0100%

000 255 0100%

000 255 0100%

000 255 0100%

000 255 0100%

000 255 0100%

000 255 0100%

000 255 0100%

000 255 0100%

000 255 0100%

000 255 0100%

12

Operation

3Ch 8Ch 48Ch 50Ch Function 17 17 Green 6 18 18 Blue 6 19 19 Red 7 20 20 Green 7 21 21 Blue 7 22 22 Red 8 23 23 Green 8 24 24 Blue 8 25 25 Red 9 26 26 Green 9 27 27 Blue 9 28 28 Red 10 29 29 Green 10 30 30 Blue 10 31 31 Red 11 32 32 Green 11 33 33 Blue 11 34 34 Red 12 35 35 Green 12 36 36 Blue 12 37 37 Red 13 38 38 Green 13 39 39 Blue 13 40 40 Red 14 41 41 Green 14 42 42 Blue 14 43 43 Red 15 44 44 Green 15 45 45 Blue 15 46 46 Red 16 47 47 Green 16 48 48 Blue 16
49 Strobe
50 Dimmer

Value Percent/Setting

000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100%
000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100%
000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100%
000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100%
000 255 0100% 000 255 0100% 000 255 0100% 000 255 0100% 000 010 No function 011 255 Strobe, slow to fast
000 255 0100%

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Operation

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.

Preset Color

To run the Freedom Stick with a preset static color, do the following: 1. Press <MENU> repeatedly until C– shows on the display. 2. Press <ENTER>. 3. Use <UP> or <DOWN> to select the desired color, from C 17. 4. Press <ENTER>.

Automatic Programs

To run the Freedom Stick with an automatic program, follow the instructions below. 1. Press <MENU> repeatedly until P– shows on the display. 2. Press <ENTER>. 3. Use <UP> or <DOWN> to select the desired program, from P 121 (standard program), P 2227 (custom 2-color program), P 28 (cycle program 127), P 2934 (programs designed for master/ slave mode), or P35 (cycle program 2934). 4. Press <ENTER>. 5. For P 2227, use <UP> or <DOWN> to select the desired color 1, from 1–r (red), 1–G (green), 1–b (blue), 1-Gb (green and blue), 1-rb (red and blue), 1-rG (red and green), 1rGb (red, green, and blue), or 1oFF (no color). 6. Press <ENTER>. 7. Use <UP> or <DOWN> to select the desired color 2, from 2–r (red), 2–G (green), 2–b (blue), 2-Gb (green and blue), 2-rb (red and blue), 2-rG (red and green), 2rGb (red, green, and blue), or 2oFF (no color). 8. Press <ENTER>.

For programs 2227, color 1 and 2 cannot be assigned the same color.

Program Speed

To set the speed of the automatic program, 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. 1100. 3. Press <ENTER>.

Sound-Active Mode

To run the Freedom Stick with a sound-active program, follow the instructions below. 1. Press <MENU> repeatedly until Snd shows on the display. 2. Press <ENTER>. 3. Use <UP> or <DOWN> to select the desired sound-active program, from Snd12. 4. Press <ENTER>.

Sound Sensitivity

To set the sound sensitivity of the product, 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. 1100. 3. Press <ENTER>.

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

Operation

Custom Color Mixing

To run the Freedom Stick with a custom static color, follow the instructions below. 1. Press <MENU> repeatedly until u— shows on the display. 2. Press <ENTER>. 3. Press <ENTER> to cycle through the options, r. _ _ _ (red), G. _ _ _ (green), and b. _ _ _ (blue). 4. Use <UP> or <DOWN> to increase or decrease the selected value from _ . 0255. 5. Repeat steps 3-4 until the product output is set as desired.

Configuration (Settings)

LED Mode

To select whether the Freedom Stick will use all LEDs or only the LEDs on one side, do the following: 1. Press <MENU> repeatedly until SEt shows on the display. 2. Press <ENTER>. 3. Use <UP> or <DOWN> to select LEd. 4. Press <ENTER>. 5. Use <UP> or <DOWN> to select from ALL (use all 32 LEDs), Fron (use only the 16 LEDs on the front of the product), or bAcK (use only the 16 LEDs on the back of the product). 6. Press <ENTER>. In ALL mode the front and back LEDs are synchronized.

Factory Reset

To reset the product to factory default settings, follow the instructions below. 1. Press <MENU> repeatedly until SEt shows on the display. 2. Press <ENTER>. 3. Use <UP> or <DOWN> to select rESt. 4. Press <ENTER>. 5. Use <UP> or <DOWN> to select from no (cancel) or YES (reset). 6. Press <ENTER>.

Operation

RFC Remote Control

The Freedom Stick can be operated with an RFC remote (comes with Freedom StickX4) or an RFC-XL remote (sold separately). To enable RF control, do the following:

1. Press <MENU> repeatedly until SEt shows on the display. 2. Press <ENTER>. 3. Use <UP> or <DOWN> to select from rF (for Public mode, Link mode, or to disable RF) or rF-G (for Group mode). 4. Press <ENTER>. 5. For
 - rF: use <UP> or <DOWN> to select from PubL (enables the fixture to respond to all RF signals), oFF (deactivates RF linking), or Link (links the fixture to a single RF remote).
 - rF-G: use <UP> or <DOWN> to select an RFC group, from Gro14. 6. Press <ENTER>.

For more information about using an RFC or RFC-XL remote, download the Instructions and User Manual from www.chauvetdj.com.

RFC Remote Control Operation

RFC

Button Function

<BLACK OUT> Press to turn off all lights until the button is pressed again

<STROBE>

Press to toggle strobe, then use <+> or <-> to increase or decrease strobe speed

<DIMMER> Press then use <+> or <-> to increase or decrease the dimmer

<AUTO>

Press to activate automatic mode, then to cycle programs, or use <+> or <-> to select a program

<SPD/SENS>

Press then use <+> or <-> to increase or decrease speed or sensitivity

<SOUND>

Press to activate sound-active mode, then to cycle programs, or use <+> or <-> to select a program

<>

Press to decrease speed, sensitivity, or the dimmer/color value, or to scroll down the list of programs

<+>

Press to increase speed, sensitivity, or the dimmer/color value, or to scroll up the list of programs

<FREEZE> Press to stop all movement and color chasing

<R>

In manual mode, press to select red then to toggle red full or off, or use <+> or <-> to increase or decrease the red value

<G>

In manual mode, press to select green then to toggle green full or off, or use <+> or <-> to increase or decrease the green value

In manual mode, press to select blue then to toggle blue full or off, or use <+> or <-> to increase or decrease the blue value

<W>

Press to activate manual mode and toggle all colors full or off

<UV>

Press to activate manual mode and toggle red and blue full or off

<FADE/SNAP> Press to select automatic program 20

<MANUAL> Press to activate manual mode

<PRESET/ Press to activate presets/colors, then use <+> or <-> to select a COLOR> preset/color

The RFC remote will not respond to any inputs when Freeze or Black Out is activated. If the remote does not respond when a button is pressed, try pressing <FREEZE> or <BLACK OUT>. Freeze or Black Out may have been inadvertently activated.

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Operation

Master/Slave Mode

The Master/Slave mode allows a single Freedom Stick product (the “master”) to control the actions of one or more Freedom Stick products (the “slaves”) without the need of a DMX controller. The master product will be set to operate in either standalone mode or with RF control, while the slave products will be set to operate in slave mode. Once set and connected, the slave products will operate in unison or in sequence with the master product. Configure the products as indicated below. Slave products:

1. Press <MENU> repeatedly until SLA shows on the display. 2. Press <ENTER>. 3. Use <UP> or <DOWN> to select from SLA14. The number determines the order of products in automatic programs 2935. 4. Press <ENTER>. 5. Connect the DMX input of the first slave product to the DMX output of the master product, or configure the slave product to receive D-Fi on the channel the master product is transmitting (see D-Fi Configuration). 6. If using wired DMX, connect the DMX input of the subsequent slave products to the DMX output of the previous slave product. 7. Finish setting and connecting all the slave products. Master product: 1. Set the master product to operate in standalone mode or with RF control. 2. Make the master product the first product in the DMX daisy chain, or configure the master product to transmit D-Fi on the channel the slave products are receiving (D-Fi Configuration).

- 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 via a wired DMX connection.

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Maintenance

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 all 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.

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Technical Specifications

6. Technical Specifications

Dimensions and Weight

Length

Freedom Stick 59 in (1500 mm)

Carry bag

61 in (1550 mm)

Note: Dimensions in inches are rounded. Power

Width 6.3 in (160 mm) 10.6 in (270 mm)

Height 6.3 in (160 mm) 2.6 in (65 mm)

Power Supply Type

Range

Voltage Selection

Switching (external multi-charger) 100 to 240 VAC, 50/60 Hz Auto-ranging

Weight 3.3 lb (1.5 kg)

DC Input 12 V

Parameter Consumption Operating current

Fuse

120 V, 60 Hz 11 W 0.1 A

T 2 A, 250 V

230 V, 50 Hz 11 W 0.1 A

T 2 A, 250 V

Power I/O

Power input connector (Freedom Stick)

Power output connector (multi-charger)

Power cable plug

Light Source

U.S./Worldwide USB type C

USB type B Edison (U.S.)

UK/Europe USB type C

USB type B Local Plug

Type LED Photometrics

Color Tri-color RGB

Quantity 32

Power 0.2 W

Current 12 mA

Lifespan 50,000 hours

Strobe Rate 0 to 30 Hz

Battery

Maximum Run Time (360°)

Up to 5 hours

Thermal

Maximum Run Time (180°)

Up to 10 hours

Maximum Run Time (single color on)

Up to 20 hours

Recharge Time 4 hours

Maximum External Temperature 104 °F (40 °C)

DMX

Cooling System Convection

I/O Connector 3-pin XLR, D-Fi Ordering

Channel Range 3, 8, 48, 50

Operating Frequency 2.412 to 2.484 GHz

Product Name Freedom Stick X4

Item Code 10031857

UPC Number 781462222055

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Contact Us

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Warranty & Returns

For warranty terms and conditions and return information, please visit our website. For customers in the United States and Mexico: www.chauvetlighting.com/warranty-registration.
For customers in the United Kingdom, Republic of Ireland, Belgium, the Netherlands, Luxembourg, France, and Germany: www.chauvetlighting.eu/warranty-registration.

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Documents / Resources

	<p>CHAUVET DJ Freedom Stick X4 RGB LED Array [pdf] User Manual Freedom Stick X4 RGB LED Array, Freedom Stick X4, RGB LED Array, LED Array, Array</p>
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References

-  [Home - CHAUVET DJ](#)
-  [Home - CHAUVET DJ](#)
-  [Inicio - CHAUVET DJ](#)
-  [Warranty Registration – Chauvet Lighting](#)
-  [Chauvet Lighting](#)