FREEDOM STICK

User Manual
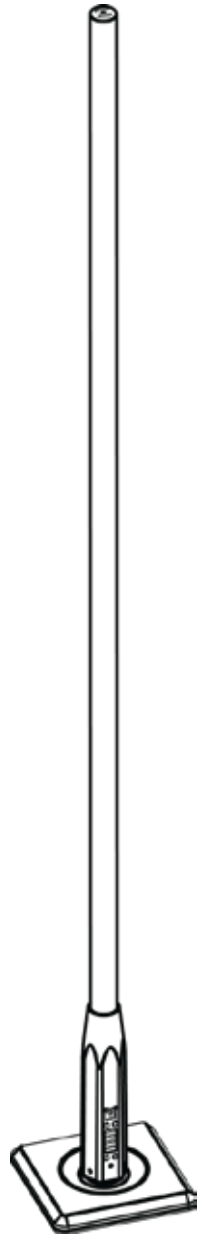
CHAUVET DJ

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1. BEFORE YOU BEGIN

What Is Included
- Freedom Stick
- External Power Supply
- Base Plate
- Warranty Card
- 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
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
⚡	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.

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Product at a Glance

Use on Dimmer	✖	Auto Programs	P
Outdoor Use	✖	Auto-ranging Power Supply	P
Sound-Active	P	Replaceable Fuse	✖
DMX	P	User-Serviceable	✖
Master/Slave	P		

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.

- 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 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 bracket.
- The maximum ambient temperature (Ta) is 104 °F (40 °C). Do not operate the product at higher temperatures.
- In the event of a serious operating problem, stop using the product immediately.
- Never try to repair the product. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.
- This product is neither a toy nor a weapon.
- To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.

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

2. INTRODUCTION

Product Overview

DC Power In

LED Indicator

On/Off
Switch

Menu Buttons

LED Display

Antenna   IR Sensor   Microphone
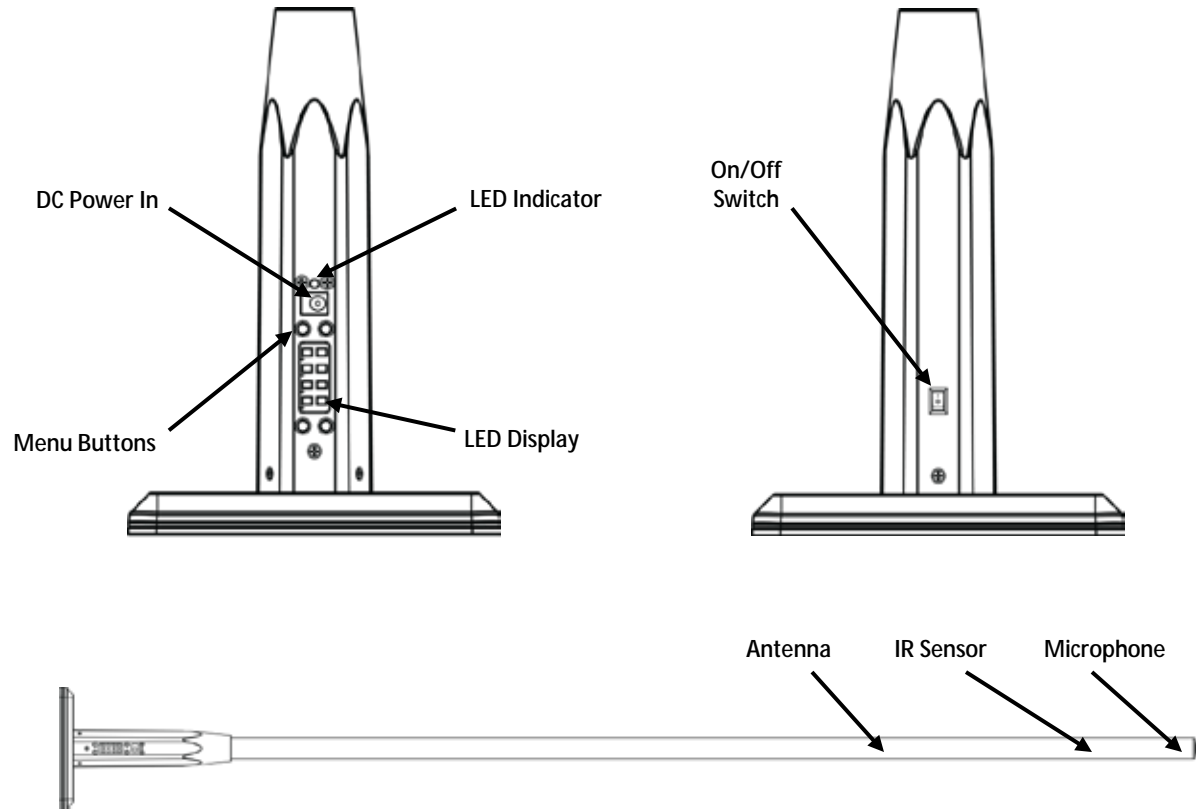
Product Dimensions

61 in
1550 mm

6.3 in
161 mm
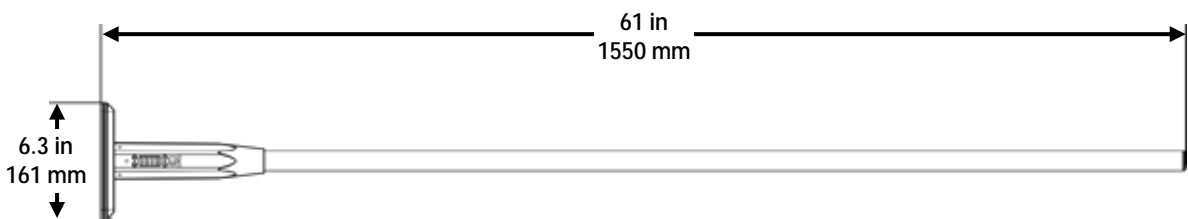
3. SETUP

AC Power   The Freedom Stick has an external auto-ranging power supply that can work with an input voltage range of 100 to 240 VAC, 50/60 Hz.. To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.

· **Always connect the product to a protected circuit (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**

· **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**

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

Battery Power   The Freedom Stick comes with a rechargeable lithium battery for cable-free operation.

Charging the Battery   The battery charges whenever the product is plugged into a power source. If the product is plugged in and not in operation, make sure the On/Off switch is in the **Off** position.

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.

| 100% | 75% | 50% | 25% |
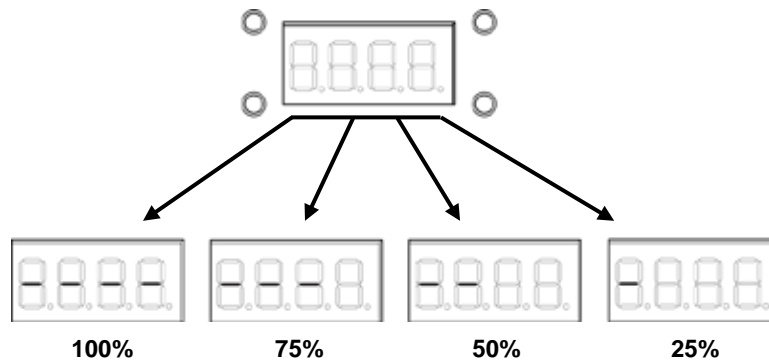
Battery Run Time	**Maximum Run Time** (all colors on)	**Recharge Time**
	Up to 8 hours	4.5 hours

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 purposes.
· Make sure that the structure onto which you are mounting the product can support the product's weight. See the Technical Specifications for weight information.
· When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
· When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.
· The base serves as a floor support. When mounting the product on the floor, make sure that the product is away from people and vehicles.

Mounting Diagram

10 mm Threaded Mounting Hole (not visible)

Rubber Washer

Base Plate Bolt

Base Plate
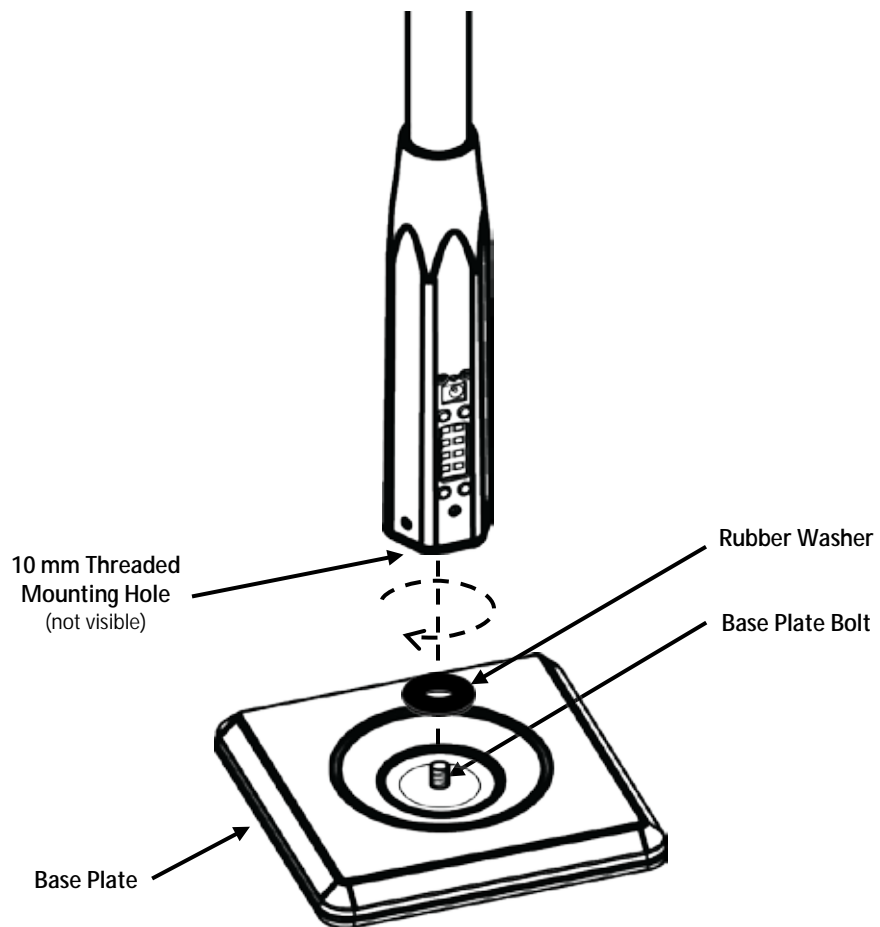
4. OPERATION

Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display. Please refer to the <ins>Product Overview</ins> 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

Main Function	Programming Levels			Description
DMX Mode	3-CH 8-CH 48CH 50CH	d001–512		Selects DMX personality and DMX address
Preset Colors	C--	C1–7		Static colors
Automatic Programs	P--	P 1–21		Sets Auto Program 1–21
		P 22–27	1--r 2--r 1-rg 2-rg 1--g 2--g 1-gb 2-gb 1--b 2--b 1-rb 2-rb 1rgb 2rgb 1OFF 2OFF	Sets Auto Program 22–27, color 1, and color 2
		P 28		Sets Auto Program 28 (cycles Auto Programs 1–21)
		P 29–34		Sets Auto Program 29–34 (designed for Master/Slave mode)
		P 35		Sets Auto Program 35 (cycles Auto Programs 29–34)
Speed	S--	S 1–100		Program speed setting
Sound-Active Mode	Snd	Snd		Sets Sound-Active mode
Sound Sensitivity	SenS	u 0–100		Sound sensitivity setting
RGB Color Mixing	U--	r 0–255 (red) g 0–255 (green) b 0–255 (blue)		Custom static colors Combine red, green, and blue
Infrared Mode	Set	ON OFF		IR function on or off
Wireless DMX Mode	S-tr	ON OFF	dtCH dt 1–16 drCH dr 1–16	Turns on Wireless DMX mode and sets transmitter or receiver channels
Slave Mode	SLA	SLA1 SLA2 SLA3 SLA4		Sets Slave mode 1–4 (defines order of Master/Slave programs)

For programs 22–27, color 1 and color 2 cannot be assigned the same color.

Wireless DMX Linking

The Freedom Stick works with a DMX controller in Wireless DMX mode. In Wireless DMX mode a lighting control board or D-Fi product must send wireless DMX signals to the products. Information about DMX is in the DMX Primer, which is available from the Chauvet website www.chauvetlighting.com/download.

DMX Personality and Starting Address

When selecting a starting DMX address, always consider the number of DMX channels the selected DMX mode uses. If you choose a starting address that is too high, you could restrict the access to some of the product's channels.

The Freedom Stick uses up to 50 DMX channels in a 50-CH DMX mode, which defines the highest configurable address to **463**.

If you are not familiar with the DMX protocol, download the DMX Primer from www.chauvetlighting.com.

To select the starting address, do the following:
1. Press **<MENU>** repeatedly until **3-CH**, **8-CH**, **48CH**, or **50CH** shows on the display.
2. Press **<ENTER>** and **d 1–512** will show on the display.
3. Use **<UP>** or **<DOWN>** to select the starting address.
4. Press **<ENTER>**.

Wireless DMX Configuration

The Freedom Stick offers wireless control of 2 or more products with a single DMX controller. To set up the D-Fi 2.4 GHz transceiver, do the following.

For the transmitting product:
1. Press **<MENU>** repeatedly until **S-tr** shows on the display.
2. Press **<ENTER>**.
3. Press **<UP>** or **<DOWN>** until **dtCH** appears on the display.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select the transmitting signal (**dt 1**–**dt16**).

For the receiving product(s):
1. Press **<MENU>** repeatedly until **S-tr** shows on the display.
2. Press **<ENTER>**.
3. Press **<UP>** or **<DOWN>** until **drCH** appears on the display.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select the receiving signal (**dr 1**–**dr16**). The channel number should match the transmitting signal you chose when setting up the transmitting product.

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.

- **The Freedom Stick is fully compatible with the D-Fi 2.4 GHz wireless transceiver (transmitter/receiver) from Chauvet (sold separately). For more detailed information about D-Fi 2.4 GHz functionality, refer to the D-Fi 2.4 GHz User Manual available at the Chauvet website www.chauvetlighting.com.**
- **Ensure that all linked products are configured to the same DMX personality.**

DMX Channel Assignments and Values

50CH	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	Red 2	000 ✆ 255	0–100%
	5	Green 2	000 ✆ 255	0–100%
	6	Blue 2	000 ✆ 255	0–100%
	7	Red 3	000 ✆ 255	0–100%
	8	Green 3	000 ✆ 255	0–100%
	9	Blue 3	000 ✆ 255	0–100%
	10	Red 4	000 ✆ 255	0–100%
	11	Green 4	000 ✆ 255	0–100%
	12	Blue 4	000 ✆ 255	0–100%
	13	Red 5	000 ✆ 255	0–100%
	14	Green 5	000 ✆ 255	0–100%
	15	Blue 5	000 ✆ 255	0–100%
	16	Red 6	000 ✆ 255	0–100%
	17	Green 6	000 ✆ 255	0–100%
	18	Blue 6	000 ✆ 255	0–100%
	19	Red 7	000 ✆ 255	0–100%
	20	Green 7	000 ✆ 255	0–100%
	21	Blue 7	000 ✆ 255	0–100%
	22	Red 8	000 ✆ 255	0–100%
	23	Green 8	000 ✆ 255	0–100%
	24	Blue 8	000 ✆ 255	0–100%
	25	Red 9	000 ✆ 255	0–100%
	26	Green 9	000 ✆ 255	0–100%
	27	Blue 9	000 ✆ 255	0–100%
	28	Red 10	000 ✆ 255	0–100%
	29	Green 10	000 ✆ 255	0–100%
	30	Blue 10	000 ✆ 255	0–100%
	31	Red 11	000 ✆ 255	0–100%
	32	Green 11	000 ✆ 255	0–100%
	33	Blue 11	000 ✆ 255	0–100%
	34	Red 12	000 ✆ 255	0–100%
	35	Green 12	000 ✆ 255	0–100%
	36	Blue 12	000 ✆ 255	0–100%
	37	Red 13	000 ✆ 255	0–100%
	38	Green 13	000 ✆ 255	0–100%
	39	Blue 13	000 ✆ 255	0–100%

50CH (cont.)	Channel	Function	Value	Percent/Setting
	40	Red 14	000 ⇔ 255	0–100%
	41	Green 14	000 ⇔ 255	0–100%
	42	Blue 14	000 ⇔ 255	0–100%
	43	Red 15	000 ⇔ 255	0–100%
	44	Green 15	000 ⇔ 255	0–100%
	45	Blue 15	000 ⇔ 255	0–100%
	46	Red 16	000 ⇔ 255	0–100%
	47	Green 16	000 ⇔ 255	0–100%
	48	Blue 16	000 ⇔ 255	0–100%
	49	Strobe	000 ⇔ 010	No function
			011 ⇔ 255	Strobe, slow to fast
	50	Dimmer	000 ⇔ 031	No function

48CH	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	Red 2	000 ⇔ 255	0–100%
	5	Green 2	000 ⇔ 255	0–100%
	6	Blue 2	000 ⇔ 255	0–100%
	7	Red 3	000 ⇔ 255	0–100%
	8	Green 3	000 ⇔ 255	0–100%
	9	Blue 3	000 ⇔ 255	0–100%
	10	Red 4	000 ⇔ 255	0–100%
	11	Green 4	000 ⇔ 255	0–100%
	12	Blue 4	000 ⇔ 255	0–100%
	13	Red 5	000 ⇔ 255	0–100%
	14	Green 5	000 ⇔ 255	0–100%
	15	Blue 5	000 ⇔ 255	0–100%
	16	Red 6	000 ⇔ 255	0–100%
	17	Green 6	000 ⇔ 255	0–100%
	18	Blue 6	000 ⇔ 255	0–100%
	19	Red 7	000 ⇔ 255	0–100%
	20	Green 7	000 ⇔ 255	0–100%
	21	Blue 7	000 ⇔ 255	0–100%
	22	Red 8	000 ⇔ 255	0–100%
	23	Green 8	000 ⇔ 255	0–100%
	24	Blue 8	000 ⇔ 255	0–100%
	25	Red 9	000 ⇔ 255	0–100%
	26	Green 9	000 ⇔ 255	0–100%
	27	Blue 9	000 ⇔ 255	0–100%

48CH	Channel	Function	Value	Percent/Setting
(cont.)	28	Red 10	000 ⟷ 255	0–100%
	29	Green 10	000 ⟷ 255	0–100%
	30	Blue 10	000 ⟷ 255	0–100%
	31	Red 11	000 ⟷ 255	0–100%
	32	Green 11	000 ⟷ 255	0–100%
	33	Blue 11	000 ⟷ 255	0–100%
	34	Red 12	000 ⟷ 255	0–100%
	35	Green 12	000 ⟷ 255	0–100%
	36	Blue 12	000 ⟷ 255	0–100%
	37	Red 13	000 ⟷ 255	0–100%
	38	Green 13	000 ⟷ 255	0–100%
	39	Blue 13	000 ⟷ 255	0–100%
	40	Red 14	000 ⟷ 255	0–100%
	41	Green 14	000 ⟷ 255	0–100%
	42	Blue 14	000 ⟷ 255	0–100%
	43	Red 15	000 ⟷ 255	0–100%
	44	Green 15	000 ⟷ 255	0–100%
	45	Blue 15	000 ⟷ 255	0–100%
	46	Red 16	000 ⟷ 255	0–100%
	47	Green 16	000 ⟷ 255	0–100%
	48	Blue 16	000 ⟷ 255	0–100%

8-CH	Channel	Function	Value	Percent/Setting		
	1	Dimmer	000 ⟷ 255	0–100%		
	2	Red	000 ⟷ 255	0–100%		
	3	Green	000 ⟷ 255	0–100%		
	4	Blue	000 ⟷ 255	0–100%		
	5	Color Macros	000 ⟷ 010	No function		
			011 ⟷ 030	R: 100%	G: 0–100%	B: 0%
			031 ⟷ 050	R: 100–0%	G: 100%	B: 0%
			051 ⟷ 070	R: 0%	G: 100%	B: 0–100%
			071 ⟷ 090	R: 0%	G: 100–0%	B: 100%
			091 ⟷ 110	R: 0–100%	G: 0%	B: 100%
			111 ⟷ 130	R: 100%	G: 0%	B: 100–0%
			131 ⟷ 150	R: 100%	G: 0–100%	B: 0–100%
			151 ⟷ 170	R: 100–0%	G: 100–0%	B: 100%
			171 ⟷ 200	R: 100%	G: 100%	B: 100%
			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		
	6	Strobe	000 ⟷ 010	No function		
			011 ⟷ 255	Strobe, slow to fast		

8-CH (cont.)	Channel	Function	Value	Percent/Setting
			000 ↔ 010	No function
			011 ↔ 018	Auto program 1
			019 ↔ 026	Auto program 2
			027 ↔ 034	Auto program 3
			035 ↔ 042	Auto program 4
			043 ↔ 050	Auto program 5
			051 ↔ 058	Auto program 6
			059 ↔ 066	Auto program 7
			067 ↔ 074	Auto program 8
			075 ↔ 082	Auto program 9
			083 ↔ 090	Auto program 10
			091 ↔ 098	Auto program 11
			099 ↔ 106	Auto program 12
			107 ↔ 114	Auto program 13
	7	Auto Programs	115 ↔ 122	Auto program 14
			123 ↔ 130	Auto program 15
			131 ↔ 138	Auto program 16
			139 ↔ 146	Auto program 17
			147 ↔ 154	Auto program 18
			155 ↔ 162	Auto program 19
			163 ↔ 170	Auto program 20
			171 ↔ 178	Auto program 21
			179 ↔ 186	Auto program 22
			187 ↔ 194	Auto program 23
			195 ↔ 202	Auto program 24
			203 ↔ 210	Auto program 25
			211 ↔ 218	Auto program 26
			219 ↔ 226	Auto program 27
			227 ↔ 234	Auto program 28 (cycle auto programs 1–21)
			235 ↔ 255	Sound-Active program
	8	**Auto Speed** (When Ch. 7 is 011–234)	000 ↔ 255	Auto speed, slow to fast
		Sound Sensitivity (When Ch. 7 is 235–255)	000 ↔ 010	Sound sensitivity off
			011 ↔ 255	Sound sensitivity, low to high

3-CH	Channel	Function	Value	Percent/Setting
	1	**Red**	000 ↔ 255	0–100%
	2	**Green**	000 ↔ 255	0–100%
	3	**Blue**	000 ↔ 255	0–100%

Configuration (Standalone)

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

Connect the product to a suitable power outlet.

(i) 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 Programs

To run the Freedom Stick in automatic mode, follow the instructions below:
1. Press **<MENU>** repeatedly until **P--** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** and **<DOWN>** to select an auto program (**P 1–35**).
4. Press **<ENTER>**.

For **P 22–27**:
5. Use **<UP>** or **<DOWN>** to select the first color (**1--r**, **1-rg**, **1--g**, **1-gb**, **1--b**, **1-rb**, **1rgb**, or **1OFF**).
6. Press **<ENTER>**.
7. Use **<UP>** or **<DOWN>** to select the second color (**2--r**, **2-rg**, **2--g**, **2-gb**, **2--b**, **2-rb**, **2rgb**, or **2OFF**).
8. Press **<ENTER>**.

For each program 22–27, color 1 and color 2 cannot be assigned the same color.

Auto-Program Speed

To change the auto-program speed on the Freedom Stick, do the following:
1. Press **<MENU>** repeatedly until **S--** shows on the display.
2. Use **<UP>** and **<DOWN>** to increase or decrease the program speed (**S 1–100**).
3. Press **<ENTER>**. The product will return to the last selected mode.

Sound-Active Mode

To run the Freedom Stick in sound-active mode, do the following:
1. Press **<MENU>** repeatedly until **Snd** shows on the display.
2. Press **<ENTER>** twice to accept.

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

Sound Sensitivity

To change the sound sensitivity on the Freedom Stick, follow the instructions below:
1. Press **<MENU>** repeatedly until **SenS** shows on the display.
2. Use **<UP>** and **<DOWN>** to increase or decrease the sound sensitivity (**u 0–100)**.
3. Press **<ENTER>**. The product will return to the last selected mode.

Preset Color Mode

To run the Freedom Stick in preset color mode, follow the instructions below:
1. Press **<MENU>** repeatedly until **C--** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** and **<DOWN>** to select a static color (**C1–7**).
4. Press **<ENTER>** twice to accept.

Custom Color Mixing

To custom mix a static color, follow the instructions below:
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)
3. Press **<ENTER>** to cycle through the color settings.
4. When the desired color shows on the display, use **<UP>** or **<DOWN>** to increase or decrease the color value.
5. Repeat steps 3 and 4 until the product outputs as desired.

IRC-6 Infrared Remote Control

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

Individual products:

Each product will respond independently to the IRC-6 remote.

1. Press **<MENU>** repeatedly until **Set** appears on the display.
2. Press **<ENTER>** to accept.
3. Press **<UP>** or **<DOWN>** to select **ON**.
4. Press **<ENTER>**.
5. Press **<MENU>** repeatedly until **C--** or **P – (COLOR/Auto Programs**) appears on the display.
6. Press **<ENTER>** twice to accept.

Master/Slave multiple products:

Control 1 product with the IRC-6, have all other products respond to the first product.

Master product:

1. Press **<MENU>** repeatedly until **Set** appears on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **ON**.
4. Press **<ENTER>**.
5. Press **<MENU>** repeatedly until **S-tr** appears on the display.
6. Use **<UP>** or **<DOWN>** to select **ON**.
7. Press **<ENTER>**.
8. Use **<UP>** or **<DOWN>** to select **dtCH** (DMX Transmit Channel).
9. Press **<ENTER>**.
10. Use **<UP>** or **<DOWN>** to select the transmitting channel that the slave products are receiving.
11. Press **<ENTER>**.
12. Press **<MENU>** repeatedly until **C--** or **P – (COLOR/Auto Programs**) appears on the display.
13. Press **<ENTER>** twice to accept.

Slave products:

1. Press **<MENU>** repeatedly until **Set** appears in the display.
2. Press **<ENTER>**.
3. Press **<UP>** or **<DOWN>** until **OFF** appears on the display.
4. Press **<ENTER>**.
5. Press **<MENU>** repeatedly until **S-tr** appears on the display.
6. Press **<ENTER>**.
7. Press **<UP>** or **<DOWN>** to select **ON.**
8. Press **<ENTER>**.
9. Press **<UP>** or **<DOWN>** until the display shows **drCH** (DMX Receive Channel). [Display should read **dr_#**]
10. Press **<UP>** or **<DOWN>** until the same channel number is shown as used in the master unit.
11. Press **<ENTER>**.
12. Press **<MENU>** repeatedly until **SLA** appears on the display.
13. Press **<ENTER>**.
14. Press **<UP>** or **<DOWN>** until **SLA2** appears on the display.
15. Press **<ENTER>**.
16. Press **<MENU>** until **3-CH** (3 channel DMX mode).
17. Press **<ENTER>**.
    [Display should read **d###**]
18. Press **<UP>** or **<DOWN>** until display reads **D_ _1**
19. Press **<ENTER>**.

This unit will now respond to the master unit that is being controlled by the IRC-6.

20. Repeat the above steps with all remaining slave units. Setting the desired slave # (**1-4**) as needed in step 15.

All slave units will now respond to the master unit being controlled by the IRC-6.

IRC-6 Operation

Automatic Mode

Automatic mode will enable you to run the automatic programs on the product.

To turn on Automatic mode:

1. Press **<AUTO>** on the IRC-6.
2. Press **<+>** or **<–>** to choose between the different auto programs.

To adjust the speed of the automatic program:

1. Press **<SPEED>** on the IRC-6.
2. Press **<+>** or **<–>** to increase or decrease the speed of the program.

Sound-Active Mode

Sound-Active mode will enable the product to respond to the music.

To turn on Sound-Active mode:

1. Press **<SOUND>** on the IRC-6.

To adjust sound sensitivity in Sound-Active mode:

1. Press **<SENSITIVITY>** on the IRC-6.
2. Press **<+>** or **<–>** to increase or decrease the sound sensitivity.

Manual Color Control

To choose a specific color with the IRC-6:

1. Press **<MANUAL>** on the IRC-6.
2. Press any number between **<0>**~**<9>** to choose your color.

To manually control the RGB percentage:

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

Miscellaneous Operation

To adjust the total output level:

1. Press **<%>** on the IRC-6.
2. Press **<+>** or **<–>** to increase or decrease the output level.

To adjust the strobe rate of the program:

1. Press **<STROBE>** on the IRC-6.
2. Press **<+>** or **<–>** to increase or decrease the strobe rate.
3. Press **<STROBE>** again to turn off the strobe.

To select only fading programs:

1. Press **<FADE>** on the IRC-6.
2. Press **<+>** or **<–>** to select **P 20** or **P 21**.

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

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 or DMX cables. The master (transmitter) product will be set to operate in either Stand-Alone mode or with the IRC-6, while the slave (receiver) 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 **S-tr** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **ON**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select **drCH**.
6. Press **<ENTER>**.
7. Select the receiving D-Fi channel, **dr 1**–**16**.
8. Press **<ENTER>**.
9. Press **<MENU>** repeatedly until **SLA** shows on the display.
10. Press **<ENTER>** to accept.
11. Use **<UP>** or **<DOWN>** to select **SLA1** (first slave), **SLA2** (second slave), **SLA3** (third slave), or **SLA4** (fourth slave).
12. Press **<ENTER>**.
    [Display should read **d###**]
13. Press **<UP>** or **<DOWN>** until display reads **D_ _1**
14. Press **<ENTER>**.
15. Finish setting and connecting all the slave products.

Master product:
1. Press **<MENU>** repeatedly until **S-tr** shows on the display.
2. Press **<ENTER>**.
3. Use **<UP>** or **<DOWN>** to select **ON**.
4. Press **<ENTER>**.
5. Use **<UP>** or **<DOWN>** to select **dtCH**.
6. Press **<ENTER>**.
7. Use **<UP>** or **<DOWN>** to select the transmitting channel that the slave products are receiving.
8. Press **<ENTER>**.
9. Set the master product to operate either:
10. With the IRC-6.
11. In Sound-Active mode
        or
12. In Auto mode. **P 29–35** are designed specifically for Master/Slave mode, but all programs will work.

- **Configure all the slave products before configuring the master to transmit.**
- **Never connect a DMX controller to a D-Fi channel configured for Master/Slave operation because the controller may interfere with the signals from 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**
	6.3 in (161 mm)	6.3 in (161 mm)	61 in (1550 mm)	3.5 lb (1.6 kg)

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

Power	**Parameter**	**Freedom Stick**	**External Power Supply**
	Input Voltage	Fixed	Switching (internal)
	Range	15 VDC, 800 mA	100 to 240 VAC, 50/60 Hz
	Voltage Selection	Fixed	Auto-ranging

	Parameter	**120 V, 60 Hz**	**230 V, 50 Hz**
	Consumption	35 W	35 W
	Operating Current	0.05 A	0.03 A

Light Source	**Type**	**Power**	**Lifespan**
	SMD LED	0.2 W	50,000 hours

	Color	**Quantity**	**Current**
	Tri-color RGB	32	50 mA

Photometrics	**Parameter**	**Value**
	Strobe Rate	0 to 30 Hz
	Coverage Angle	360°

Thermal	**Maximum External Temp.**	**Cooling System**
	104 °F (40 °C)	Convection

DMX	**I/O Connectors**	**Channel Range**
	3-pin XLR	3, 8, 48 or 50

Ordering	**Product Name**	**Item Code**	**UPC Number**
	Freedom Stick	03051130	781462214784

RETURNS

To get support or return a product:

- If you are located in the U.S., contact Chauvet World Headquarters.
- If you are located in the UK or Ireland, contact Chauvet Europe Ltd.
- If you are located in Mexico, contact Chauvet Mexico.
- If you are located in Benelux, contact Chauvet Europe BVBA.
- If you are located in any other country, DO NOT contact Chauvet. Instead, contact your local distributor. See www.chauvetlighting.com for distributors outside the U.S., UK, Ireland, Mexico, or Benelux.

If you are located outside the U.S., UK, Ireland, Mexico, or Benelux, contact your distributor of record and follow their instructions on how to return Chauvet products to them. Visit our website www.chauvetlighting.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.

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

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Outside the U.S., United Kingdom, Ireland, Mexico, or Benelux contact the dealer of record. Follow their instructions to request support or to return a product. Visit our website for contact details.