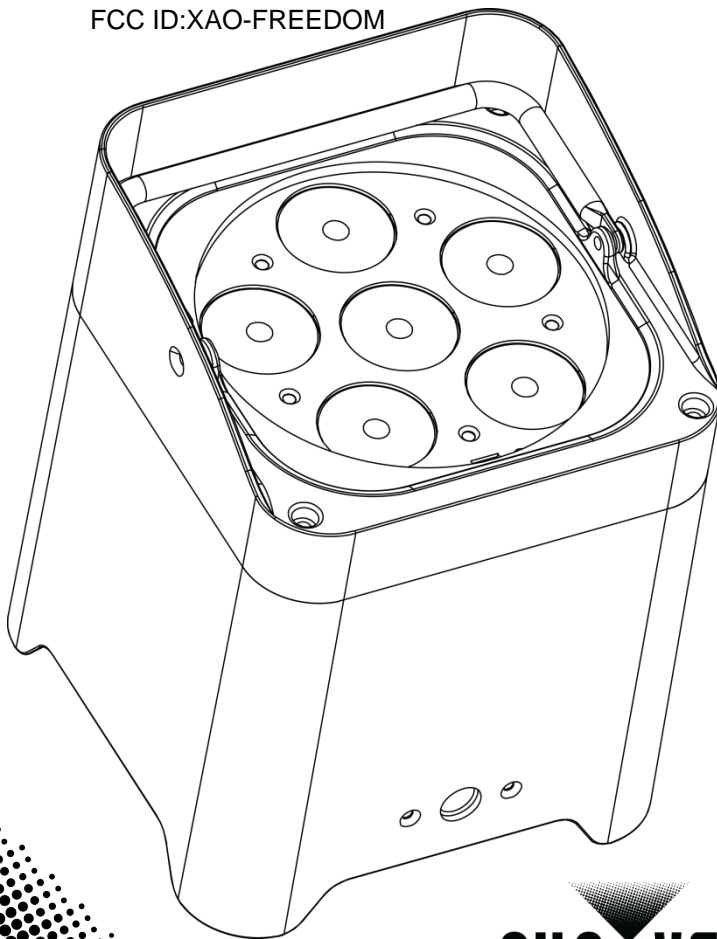# FREEDOM™ PAR TRI-6

Quick Reference Guide

FCC ID:XAO-FREEDOM

CHAUVET DJ

It's Green Thinking.

About This Guide	The Freedom™ Par Tri-6 Quick Reference Guide (QRG) has basic product information such as mounting, menu options, and DMX values. Download the User Manual from www.chauvetlighting.com for more details.
Disclaimer	The information and specifications contained in this QRG are subject to change without notice.
Safety Notes	These Safety Notes include important information about installation, use, and maintenance.

	• This product is not intended for permanent installation.
	• Only connect this product to a grounded and protected circuit.
	• Always disconnect from power before cleaning or replacing the fuse.
	• Do not look at the light source when the product is on.
	• Make sure the power cord is not crimped or damaged.
	• Never disconnect this product from power by pulling on the cord.
	• When mounting this product overhead, use a safety cable.
	• Do not allow flammable materials close to the unit while operating.
	• Do not touch this product when it is operating because it may be 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.
	• This product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose this product to rain or moisture.
	• Always mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
	• Be sure that no ventilation slots on the unit's housing are blocked.
	• Never connect this product to a dimmer or rheostat.
	• Replace the fuse with another of the same type and rating.
	• Only use the handle to carry this product.
	• 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 immediately.
	• Do not open this product. It contains no user-serviceable parts.

| **Contact**	Outside the U.S., United Kingdom, Ireland, or Mexico, contact your distributor to request support or return a product. Visit www.chauvetlighting.com for contact information.

What is Included
- Freedom™ Par Tri-6
- Power Cord
- Warranty Card
- Quick Reference Guide

To Begin Unpack your Freedom™ Par Tri-6 and make sure you have received all parts in good condition. If the box or contents appear damaged, notify the carrier immediately, not CHAUVET®.

Description The Freedom™ Par Tri-6 is a wireless, battery-operated, tri-color LED Par with a built-in D-Fi™ transceiver. It works with the FlareCON™ app and IRC-6 for wireless triggering and control. You can wirelessly master/slave this fixture with other Freedom™ fixtures for a coordinated light show. Shine light where it is needed using the built-in adjustable kickstand. Extend the battery's lifespan with built-in discharge protection. Safely store and transport your fixtures from gig to gig in the CHS-FR4 carry bag available from CHAUVET®. The Freedom™ Par Tri-6's compact and lightweight design easily fits inside sticks of TRUSST®.

Overview
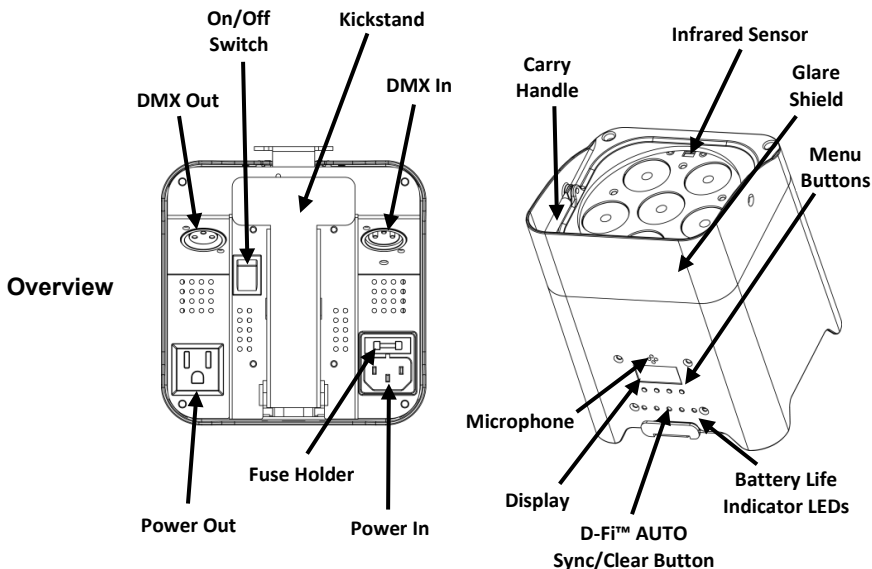
AC Power This product has an auto-ranging power supply that can work with an input voltage range of 100~240 VAC, 50/60 Hz.

Power Linking For the maximum number of Freedom™ Par Tri-6 products that you can power link at each voltage, see the User Manual or the sticker on the product.

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 safety cap out of the housing.
4. Remove the blown fuse from the clip on the front of the safety cap and replace with a fuse of the exact same type and rating.
5. Re-insert the fuse holder and reconnect power.

Charging the Battery The Freedom™ Par Tri-6 comes with a rechargeable lithium battery for cable-free operation. To charge the battery, simply plug in the power cord at any time before, during, or after operation. To charge the battery before or after operation with all the LEDs off, leave the power switch in the **Off** postion.

For optiomal battery life, charge the Freedom™ Par Tri-6 battery 24 hours prior to initial use.

Battery Life Indicator The battery life indicator shows the remaining amount of internal battery life when the the menu buttons are inactive.

| 100% | 75% | 50% | 25% |
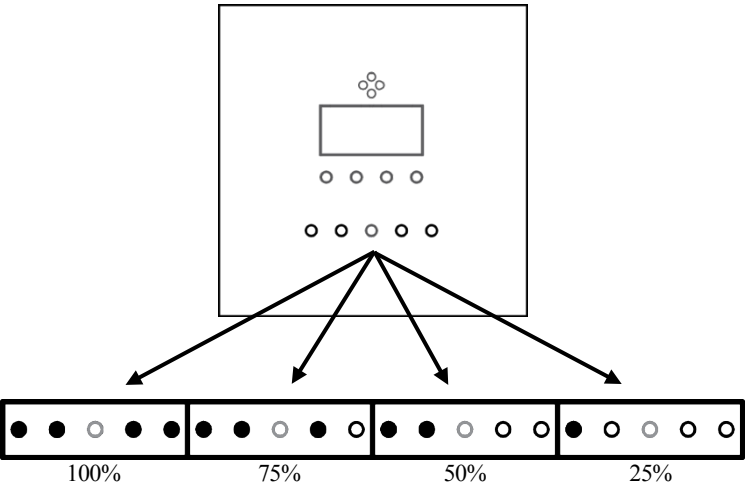
Battery Run Time

Maximum Run Time (all colors on)	Maximum Run Time (single color on)	Recharge Time
Up to 8 hours	Up to 20 hours	6 hours

IRC-6 (Infrared Remote Control) The Freedom™ Par Tri-6 is compatible with the IRC-6 from CHAUVET®. For more information on the IRC or to download instructions, go to www.chauvetlighting.com.

Mounting
Before mounting this product, read the Safety Notes.

Safety Cable
(works with **CH-05** from CHAUVET®)

Mounting Clamp
(such as **CLP-15** or **CLP-15N** clamp from CHAUVET®)

Product Mounting Diagram

Threaded Mounting Hole Size M12
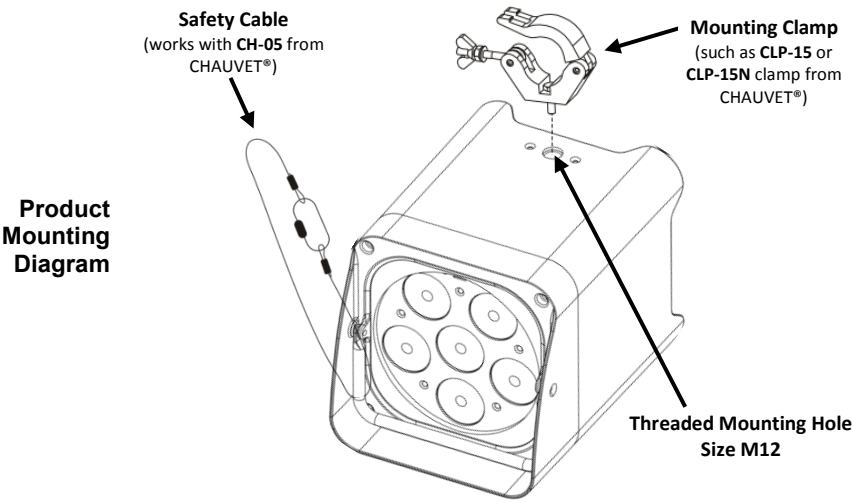
DMX Linking
The Freedom™ Par Tri-6 can work with a DMX controller when linked by DMX serial connections or wirelessly via D-Fi™. Instructions for connecting and configuring this product for DMX operation are in the User Manual. If you are not familiar with DMX, download the DMX Primer from www.chauvetlighting.com.

Starting Address
To ensure full access to all channels in each DMX mode, the highest recommended DMX address is **504**.

Master/Slave Connection
The Freedom™ Par Tri-6 uses the DMX data connection for its Master/Slave mode. Instructions for connecting and configuring this product for Master/Slave operation are in the User Manual.

Control Panel Description

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

Menu Options

Main Function	Programming Levels			Description
DMX Personalities and Starting Address	**3-CH**	**d 1–d512**		Selects the DMX personality and starting address
	4-CH			
	5-CH			
	9-CH			
Static Colors	**C--**	**C 1–C 7**		Selects static color
Auto Programs	**P--**	**P 1–P 4**		Selects auto program
Program Speed	**S--**	**S 1–S100**		Selects auto program speed (slow to fast)
Sound-Active Mode	**Snd**			Selects Sound-Active mode
Sound Sensitivity	**SenS**	**u 0–u100**		Selects sound sensitivity
Custom Color Mixing	**U--**	**r 0–r255**		Red (0–100%)
		g 0–g255		Green (0–100%)
		b 0–b255		Blue (0–100%)
Dimmer	**dIM**	**OFF**		Selects the dimming curve **dIM1** (slow) to **dIM3** (fast), or **OFF**
		dIM1		
		dIM2		
		dIM3		
Infrared	**SET**	**ON**		Turns infrared on or off
		OFF		
2.4 G	**S-tr**	**drAS**	**drAU**	Automatically select receive frequency (for DMX use)
		drCH	**dr 1–dr16**	Manually select receive frequency (for DMX use)
		dtAS	**dtAU**	Automatically select transmit frequency (for DMX use)
		dtCH	**dt 1–dt16**	Manually select transmit frequency (for DMX use)

DMX Values

9-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	Manual Color + Color Temperature	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 temperature 1		
			206 ⇔ 210	Color temperature 2		
			211 ⇔ 215	Color temperature 3		
			216 ⇔ 220	Color temperature 4		
			221 ⇔ 225	Color temperature 5		
			226 ⇔ 230	Color temperature 6		
			231 ⇔ 235	Color temperature 7		
			236 ⇔ 240	Color temperature 8		
			241 ⇔ 245	Color temperature 9		
			246 ⇔ 250	Color temperature 10		
			251 ⇔ 255	Color temperature 11		
	6	Strobe	000 ⇔ 010	No function		
			011 ⇔ 255	Slow to fast		
	7	Auto Programs	000 ⇔ 010	No function		
			011 ⇔ 060	Auto program 1		
			061 ⇔ 120	Auto program 2		
			121 ⇔ 180	Auto program 3		
			181 ⇔ 240	Auto program 4		
			241 ⇔ 255	Sound-Active mode		
	8	Auto Speed	000 ⇔ 255	Auto program speed (slow to fast)		
	9	Dim Mode	000 ⇔ 051	Dimmer mode manually set in Menu Options		
			052 ⇔ 101	Dimmer mode off		
			102 ⇔ 152	Dimmer mode 1 (fast speed)		
			153 ⇔ 203	Dimmer mode 2 (medium speed)		
			204 ⇔ 255	Dimmer mode 3 (slow speed)		

DMX Values (cont.)

5-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	Strobe	000 ⇔ 010	No function
5	Strobe	011 ⇔ 255	Slow to fast

4-CH

Channel	Function	Value	CH. 2	CH. 3	CH. 4
1	Blackout	000 ⇔ 008		Flash Speed 000 ⇔ 249 Sound-Active 250 ⇔ 255	
1	Red	009 ⇔ 028			
1	Green	029 ⇔ 048			
1	Blue	049 ⇔ 068			
1	Green + Blue	069 ⇔ 088			
1	Red + Blue	089 ⇔ 108			
1	Red + Green	109 ⇔ 128			
1	Red + Green + Blue	129 ⇔ 143			
1	Color Chase 1 (R + G)	144 ⇔ 152	Run Speed Automatic 000 ⇔ 127 Sound-Active 128 ⇔ 255		
1	Color Chase 2 (G + B)	153 ⇔ 161			
1	Color Chase 3 (R+G+B)	162 ⇔ 170			
1	Color Chase 4 (R+G+B+GB)	171 ⇔ 179			
1	Color Chase 5 (R+G+B+GB+RB)	180 ⇔ 188			
1	Color Chase 6 (R+G+B+GB+RB+RG)	189 ⇔ 197			
1	Color Chase 7 (R+G+B+GB+RB+RG+RGB)	198 ⇔ 206			
1	RGB Mode	207 ⇔ 215	Red (0–100%)	Green (0–100%)	Blue (0–100%)
1	Color Snap	216 ⇔ 224	Fade Speed 000 ⇔ 255		
1	Color Fade	225 ⇔ 233	Fade Speed 000 ⇔ 255		
1	Auto Run (Sound-Active Only)	234 ⇔ 255	Run Speed Automatic 000 ⇔ 127 Sound-Active 128 ⇔ 255		

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%