OVATION
E-910FC IP

Quick Reference Guide

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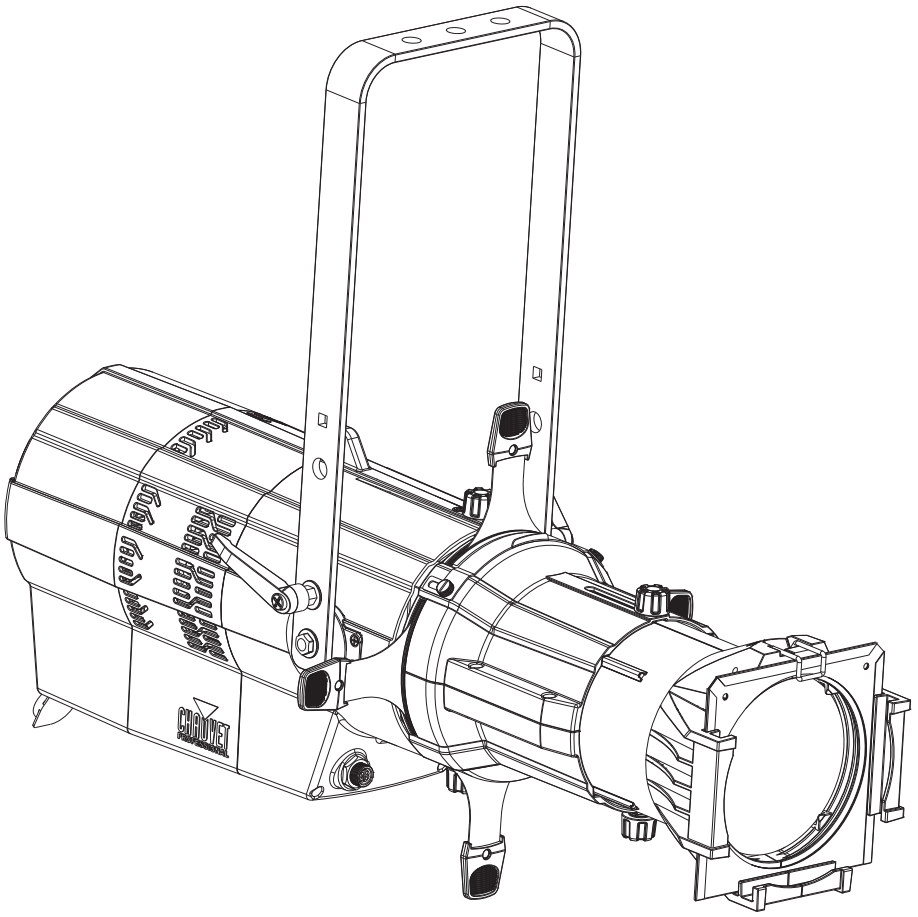


*Lens tubes sold separately

CHAUVET PROFESSIONAL

About This Guide

The Ovation E-910FC IP Quick Reference Guide (QRG) has basic product information such as connection, mounting, menu options, and DMX values. Download the User Manual from www.chauvetprofessional.com for more details.

Disclaimer

The information and specifications contained in this QRG are subject to change without notice.

LIMITED WARRANTY

FOR WARRANTY REGISTRATION AND COMPLETE TERMS AND CONDITIONS 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/**.**

Chauvet warrants that this product shall be free from defects in material and workmanship under normal use, for the period specified in and subject to the exclusions and limitations set forth in, the full limited warranty on our website. This warranty extends only to the original purchaser of the product and is not transferable. To exercise rights under this warranty, the customer must provide proof of purchase in the form of an original sales receipt from an authorized dealer that shows the product name and date of purchase. THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES. This warranty gives the customer specific legal rights. You may also have other rights that vary from state to state and country to country. This warranty is valid only in the United States, United Kingdom, Republic of Ireland, Belgium, the Netherlands, Luxembourg, France, Germany and Mexico. For warranty terms in other countries, please consult your local distributor.

Safety Notes

- DO NOT open this product. It contains no user-serviceable parts.
- DO NOT look at the light source when the product is on.
- DO NOT submerge this product (IP65). Regular outdoor operation is fine.
- DO NOT leave any flammable material within 50 cm of this product while operating or connected to power.
- DO NOT operate this product if the housing, lenses, or cables appear damaged.
- DO NOT connect this product to a dimmer or rheostat.
- CAUTION: This product's housing may be hot when lights are operating. Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- CAUTION: When transferring product from extreme temperature environments, (e.g., cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow product to fully acclimate to the surrounding environment before connecting it to power.
- Not for permanent outdoor installation in locations with extreme environmental conditions. This includes, but is not limited to:
    - Exposure to a marine/saline environment (within 3 miles of a saltwater body of water).
    - Where the normal high or low temperatures of the location exceed the temperature ranges in this manual.
    - Locations that are prone to flooding or being buried in snow.
    - Other areas where the product will be subject to extreme radiation or caustic substances.
- USE a safety cable when mounting this product overhead.
- ONLY connect this product to a grounded and protected circuit.
- ONLY use the hanging/mounting bracket to carry this product.
- 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.
- In the event of a serious operating problem, stop using immediately.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at higher temperatures.

FCC 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.

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

Contact

Outside the U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact a distributor to request support or return a product. Visit Contact Us at the end of this QRG for contact information.

What is Included

- Ovation E-910FC IP
- Seetronic Powerkon IP65 power cord
- Quick Reference Guide

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

It is possible to link up to 7 Ovation E-910FC IP products at 120 VAC, 11 products at 208 V, or 12 at 230 VAC. Never exceed this number. Power linking cords can be purchased separately.

AC Plug

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

- **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.**
- **When using this product in an outdoor IP65-type environment, be sure to use IP65 (or higher) rated power cables and secure unused ports with attached IP65 covers.**

DMX Linking

The Ovation E-910FC IP will work with a DMX controller using a 5-pin DMX serial connection. A DMX Primer is available from www.chauvetprofessional.com.

DMX Connection

The Ovation E-910FC IP uses a 5-pin DMX data connection for its DMX personalities: **1Ch**, **4Ch**, **6Ch**, **8Ch**, **11Ch**, **13Ch**, **14Ch**, **17Ch**, and **HSV**. See the User Manual for information about connecting and configuring the product for DMX operation.

When using this product in an outdoor IP65-type environment, be sure to use IP65-rated (or higher) data cables and secure unused ports with attached IP65 covers.

Master/Slave Connection

The Ovation E-910FC IP uses the DMX data connection for its master/slave mode. See the User Manual for information about how to connect and configure the product for master/slave operation.

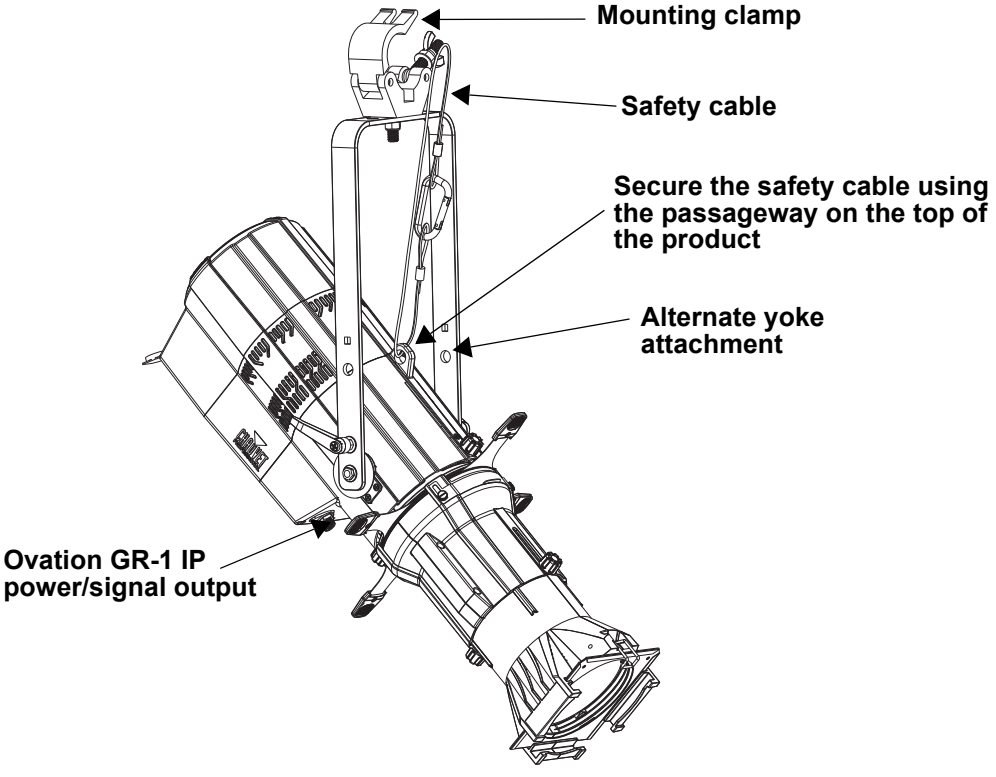
RDM (Remote Device Management)

Remote Device Management, or RDM, is a standard for allowing DMX-enabled devices to communicate bi-directionally along existing DMX cabling. Check the DMX controller's User Manual or with the manufacturer as not all DMX controllers have this capability. The Ovation E-910FC IP supports RDM protocol that allows feedback to make changes to menu map options. Download the User Manual from www.chauvetprofessional.com for more details.

Mounting

Before mounting this product, read the Safety Notes. Use at least one mounting point per product. Make sure the mounting clamps are capable of supporting the weight of the product. For our Chauvet line of mounting clamps, go to http://trusst.com/productcategory/truss-clamps/.

Product Mounting Diagram



Overhead Mounting

Lens Tubes

The following lens tubes are available for purchase:

- 19°, 26°, 36°, and 50° w/Gel frame (6.25 in/159 mm accessories)
- 14°, 15°–30°, and 25°–50° Zoom Gel frame (7.5 in/191 mm accessories)

Passcode

After being prompted, enter the following passcode by pressing:

<UP>, <DOWN>, <UP>, <DOWN>, <ENTER>

This passcode cannot be changed and must be used whenever prompted.

Virtual Color Wheel (VCW)

The Ovation E-910FC IP includes a feature called the Virtual Color Wheel (VCW). This feature is available as a standalone control mode for manual use and as a control channel in select DMX personalities. More than 30 premixed colors, custom blended by Chauvet engineers, are available to call up for easier programming.
The DMX values used to mix these colors are provided below. The overall intensity of the Ovation fixture can be adjusted to more closely replicate familiar industry-standard colors. A chart is available on www.chauvetprofessional.com to compare Chauvet's premixed colors with popular gel colors. This chart is for comparison purposes only and is not an assertion that Chauvet's premixed colors match any of the gel colors listed.

Virtual Color Wheel Chart

	R	G	B	A	L
C3050-Md Yellow	233	163	20	123	255
C3040-Lt Yellow	224	158	47	255	231
C3240-Amb Yellow	180	60	0	245	255
C2340-VLt Amber	245	107	81	255	213
C2040-Lt Amber	230	130	62	255	155
C2050-Md Amber	255	0	25	255	194
C2060-Dk Amber	255	0	24	255	150
C1050-Lt Red	255	37	27	30	38
C1080-Md Red	255	4	17	0	0
C1020-NC Pink	238	135	129	255	255
C1030-Md Pink	255	131	120	255	195
C1630-Dk Pink	250	165	123	255	210
C1250-Md Red Amber	255	0	41	195	55
C1060-Dk Red Amber	255	0	45	120	30
C1650-Magenta	255	50	115	255	115
C6170-Dk Magenta	255	35	117	0	0
C6020-Lt Lavender	127	122	142	251	255
C5030-Lt Blue	0	255	197	100	255
C5020-VLt Blue	158	255	189	0	255
C5430-Lt Blue2	0	255	180	0	243
C5070-Blue	43	255	210	43	36
C5050-Md Blue	0	255	218	0	181
C5060-Dk Blue	0	210	206	0	118
C5690-Indigo	65	0	210	40	55
C5080-VDk Blue	0	203	230	0	40
C5081-VdK Blue2	40	199	240	0	45
C4370-Yel Green	27	255	28	16	104
C4070-Green	49	255	55	120	90
C4550-Turquoise	60	230	109	0	245
C4560-Aqua	20	240	126	36	255
C4570-Blue Green	0	255	79	30	53

Note: The colors above are simulated renditions of the color output produced compared with other similar incandescent products. Chauvet makes no guarantee of the color output accuracy.

Color Temperature Chart

	R	G	B	A	L
2800K	187	130	97	255	255
3000K	177	145	105	255	255
3200K	168	157	113	255	255
3500K	163	177	124	255	255
4000K	151	195	141	255	255
4500K	145	214	157	255	255
5000K	138	227	170	255	255
5600K	130	239	184	255	255
6000K	126	246	193	255	255
6500K	120	254	201	255	255

Note: The color temperatures above are simulated renditions of the color output produced compared with a tungsten lamp at the specified color temperature. Chauvet makes no guarantee of the color output accuracy.

Control Panel Description

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

Menu Map

Main Level	Programming Levels	Description
DMX Address	**001–512***	Selects DMX address (highest channel restricted to personality chosen)
DMX Channel	**1Ch**	1-channel: dimmer
	4Ch	4-channel: dimmer, VCW, color temperature, gobo rotation
	6Ch	6-channel: RGBAL, gobo rotation
	8Ch	8-channel: dimmer, RGBAL, strobe, gobo rotation
	11Ch	11-channel: 16-bit dimmer, RGBAL, strobe, VCW, color temperature, gobo rotation
	13Ch	13-channel: dimmer, RGBAL, strobe, VCW, color temperature, auto program, auto speed, dimmer speed mode, gobo rotation, red shift
	14Ch	14-channel: 16-bit dimmer, 16-bit RGBAL, strobe, gobo rotation
	17Ch	17-channel: 16-bit dimmer, 16-bit RGBAL, strobe, VCW, color temperature, gobo rotation, red shift
	HSV	4-channel: hue, saturation, value, gobo rotation

Main Level	Programming Levels			Description
Virtual Color Wheel	Virtual Color Wheel	C3050-Md Yellow	Dimmer 0–255	Virtual color wheel simulates the output of each gel color. Refer to the Virtual Color Wheel Chart section for specific values.
		C3040-Lt Yellow		
		C3240-Amb Yellow		
		C2340-VLt Amber		
		C2040-Lt Amber		
		C2050-Md Amber		
		C2060-Dk Amber		
		C1050-Lt Red		
		C1080-Md Red		
		C1020-NC Pink		
		C1030-Md Pink		
		C1630-Dk Pink		
		C1250-Md Red Amber		
		C1060-Dk Red Amber		
		C1650-Magenta		
		C6170-Dk Magenta		
		C6020-Lt Lavender		
		C5030-Lt Blue		
		C5020-VLt Blue		
		C5430-Lt Blue2		
		C5070-Blue		
		C5050-Md Blue		
		C5060-Dk Blue		
		C5690- Indigo		
		C5080-VDk Blue		
		C5081-VDk Blue2		
		C4370-Yel Green		
		C4070-Green		
		C4550-Turquoise		
		C4560-Aqua		
		C4570-Blue Green		
	Color Temperature	2800K	Dimmer 0–255	Preset white color temperatures. Emulates a tungsten lamp at the specified color temperature. Refer to the Color Temperature Chart section for specific values.
		3000K		
		3200K		
		3500K		
		4000K		
		4500K		
		5000K		
		5600K		
		6000K		
		6500K		
Virtual Color Wheel	Manual Color Mixer	Red	0–255	Combine red, green, blue, amber, and lime to make a custom color (0–100%)
		Green		
		Blue		
		Amber		
		Lime		
Auto Show	Auto 1–5		1–100	Selects automatic programs and program speed
Red Shift	On			Mimics halogen lamp dimming
	Off			
Gobo Rotator	0–255			Rotating gobo index
Master/ Slave	Master			DMX mode (Master)
	Slave			Slave mode

Main Level	Programming Levels			Description
Dimmer Curve	**Linear**			Sets the dimmer curve
	Square			
	I Square			
	SCurve			
Dimmer Mode	**Off**			Linear dimmer
	Dimmer 1–3			Dimming curves **Dimmer 1** (fast) to **Dimmer 3** (slow)
White Balance	**Off**			Uses factory default white setting
	Manual	**Red**	**0–255**	Sets red LED maximum value
		Green		Sets green LED maximum value
		Blue		Sets blue LED maximum value
		Amber		Sets amber LED maximum value
		Lime		Sets lime LED maximum value
LED Frequency	**600Hz**			Sets the PWM frequency
	1200Hz			
	2000Hz			
	4000Hz			
	6000Hz			
	25KHz			
Fan Mode	**Auto**			Sets the fan to auto mode
	On			Sets the fan to always on
	Off			Sets the fan to always off
	Silent			Sets the fan to silent
Back Light	**10S**			Turns off display backlight after 10 seconds of inactivity
	30S			Turns off display backlight after 30 seconds of inactivity
	2Min			Turns off display backlight after 2 minutes of inactivity
	Always On			Display backlight remains on
Key Lock	**On**			Turns passcode on or off (Password is <**UP**>, <**DOWN**>, <**UP**>, <**DOWN**>, <**ENTER**>)
	Off			
Gobo Power	**On**			Enables or disables gobo power output
	Off			
Information	**Fixture Hours**	**_ _ _ _H**		Shows total hours the product has been powered on
	LED Hours	**_ _ _ _H**		Shows total LED hours
	Version	**V_._**		Shows current firmware version
	UID	**_ _ _ _ _ _ _ _ _ _ _ _**		Shows product UID
Reset Factory	**No**			Resets the product to factory default settings
	Yes			

WARNING: When operating in Fan Mode: Off, the fixture will become hotter to the touch than when using other fan modes. User proper protective equipment to prevent burns. Keep a safe distance from flammable objects.

NOTICE: When operating in Fan Mode: Off, output of the fixture will be reduced and will not reach the same levels as when using other fan modes.

DMX Values

17Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer fine	000 ⇔ 255	0–100%
3	Red	000 ⇔ 255	0–100%
4	Red fine	000 ⇔ 255	0–100%
5	Green	000 ⇔ 255	0–100%
6	Green fine	000 ⇔ 255	0–100%
7	Blue	000 ⇔ 255	0–100%
8	Blue fine	000 ⇔ 255	0–100%
9	Amber	000 ⇔ 255	0–100%
10	Amber fine	000 ⇔ 255	0–100%
11	Lime	000 ⇔ 255	0–100%
12	Lime fine	000 ⇔ 255	0–100%
13	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
14	Virtual color wheel	000 ⇔ 255	See Virtual Color Wheel Chart
15	Color temperature	000 ⇔ 255	See Color Temperature Chart
16	Gobo rotation	000 ⇔ 127 128 ⇔ 190 191 ⇔ 192 193 ⇔ 255	Gobo index Clockwise rotation, fast to slow Stop Counterclockwise rotation, slow to fast
17	Control (hold 3 seconds, then release)	000 ⇔ 007 008 ⇔ 015 016 ⇔ 023 024 ⇔ 031 032 ⇔ 039 040 ⇔ 047 048 ⇔ 055 056 ⇔ 063 064 ⇔ 071 072 ⇔ 079 080 ⇔ 087 088 ⇔ 095 096 ⇔ 103 104 ⇔ 111 112 ⇔ 119 120 ⇔ 127 128 ⇔ 225	No function Dimmer reset Red Shift On Red Shift Off Dimmer: S-Curve Dimmer: Linear Dimmer: Square Dimmer: Inverse Square Dimmer Mode Off Dimmer Mode 1 Dimmer Mode 2 Dimmer Mode 3 Fan Auto Fan On Fan Off Fan Silent No Function

14Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer fine	000 ⇔ 255	0–100%
3	Red	000 ⇔ 255	0–100%
4	Red fine	000 ⇔ 255	0–100%
5	Green	000 ⇔ 255	0–100%
6	Green fine	000 ⇔ 255	0–100%
7	Blue	000 ⇔ 255	0–100%
8	Blue fine	000 ⇔ 255	0–100%
9	Amber	000 ⇔ 255	0–100%
10	Amber fine	000 ⇔ 255	0–100%
11	Lime	000 ⇔ 255	0–100%
12	Lime fine	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
13	**Strobe**	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
14	**Gobo rotation**	000 ⇔ 127 128 ⇔ 190 191 ⇔ 192 193 ⇔ 255	Gobo index Clockwise rotation, fast to slow Stop Counterclockwise rotation, slow to fast

13Ch

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	**Amber**	000 ⇔ 255	0–100%
6	**Lime**	000 ⇔ 255	0–100%
7	**Strobe**	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
8	**Virtual color wheel**	000 ⇔ 255	See Virtual Color Wheel Chart
9	**Color temperature**	000 ⇔ 255	See Color Temperature Chart
10	**Auto program**	000 ⇔ 010 011 ⇔ 060 061 ⇔ 110 111 ⇔ 160 161 ⇔ 210 211 ⇔ 255	No function Auto program 1 Auto program 2 Auto program 3 Auto program 4 Auto program 5
11	**Auto speed**	000 ⇔ 255	Auto speed, slow to fast
12	**Control** (Hold for 3 seconds, then release)	000 ⇔ 007 008 ⇔ 015 016 ⇔ 023 024 ⇔ 031 032 ⇔ 039 040 ⇔ 047 048 ⇔ 055 056 ⇔ 063 064 ⇔ 071 072 ⇔ 079 080 ⇔ 087 088 ⇔ 095 096 ⇔ 103 104 ⇔ 111 112 ⇔ 119 120 ⇔ 127 128 ⇔ 225	No function Dimmer reset Red Shift On Red Shift Off Dimmer: S-Curve Dimmer: Linear Dimmer: Square Dimmer: Inverse Square Dimmer Mode Off Dimmer Mode 1 Dimmer Mode 2 Dimmer Mode 3 Fan Auto Fan On Fan Off Fan Silent No Function
13	**Gobo rotation**	000 ⇔ 127 128 ⇔ 190 191 ⇔ 192 193 ⇔ 255	Gobo index Clockwise rotation, fast to slow Stop Counterclockwise rotation, slow to fast

11Ch

Channel	Function	Value	Percent/Setting
1	**Dimmer**	000 ⇔ 255	0–100%
2	**Dimmer fine**	000 ⇔ 255	0–100%
3	**Red**	000 ⇔ 255	0–100%
4	**Green**	000 ⇔ 255	0–100%
5	**Blue**	000 ⇔ 255	0–100%
6	**Amber**	000 ⇔ 255	0–100%
7	**Lime**	000 ⇔ 255	0–100%
8	**Strobe**	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
9	**Virtual color wheel**	000 ⇔ 255	See Virtual Color Wheel Chart
10	**Color temperature**	000 ⇔ 255	See Color Temperature Chart
11	**Gobo rotation**	000 ⇔ 127 128 ⇔ 190 191 ⇔ 192 193 ⇔ 255	Gobo index Clockwise rotation, fast to slow Stop Counterclockwise rotation, slow to fast

8Ch

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	**Amber**	000 ⇔ 255	0–100%
6	**Lime**	000 ⇔ 255	0–100%
7	**Strobe**	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
8	**Gobo rotation**	000 ⇔ 127 128 ⇔ 190 191 ⇔ 192 193 ⇔ 255	Gobo index Clockwise rotation, fast to slow Stop Counterclockwise rotation, slow to fast

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	**Lime**	000 ⇔ 255	0–100%
6	**Gobo rotation**	000 ⇔ 127	Gobo index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

4Ch

Channel	Function	Value	Percent/Setting
1	**Dimmer**	000 ⇔ 255	0–100%
2	**Virtual color wheel**	000 ⇔ 255	See Virtual Color Wheel Chart
3	**Color temperature**	000 ⇔ 255	See Color Temperature Chart
4	**Gobo rotation**	000 ⇔ 127	Gobo index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast

1Ch

Channel	Function	Value	Percent/Setting
1	**Dimmer**	000 ⇔ 255	0–100% (color set through menu)

HSV

Channel	Function	Value	Percent/Setting
1	**Hue**	000 ⇔ 255	0–100%
2	**Saturation**	000 ⇔ 255	0–100%
3	**Value**	000 ⇔ 255	0–100%
4	**Gobo rotation**	000 ⇔ 127	Gobo index
		128 ⇔ 190	Clockwise rotation, fast to slow
		191 ⇔ 192	Stop
		193 ⇔ 255	Counterclockwise rotation, slow to fast