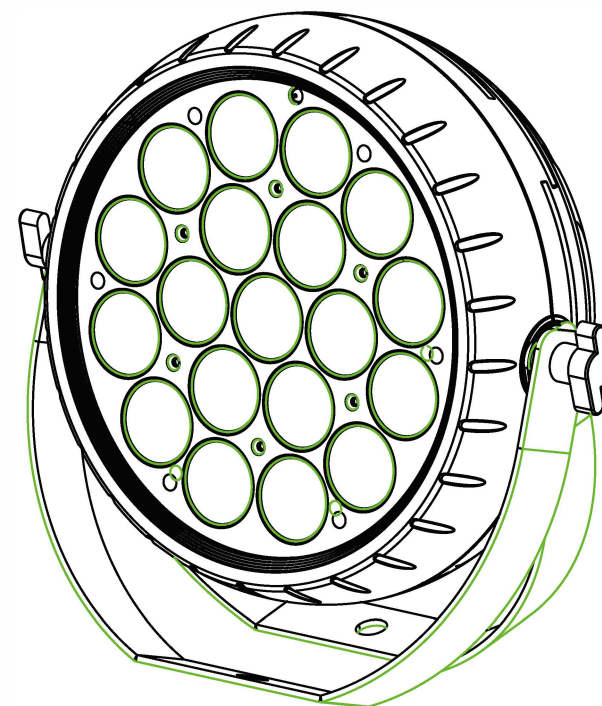


RADIANT PAR HEX19



Version 1.0

USER MANUAL

- Be sure to read the USER MANUAL carefully before using this product.



JMAZ LIGHTING

Address: 313 NEWQUIST PLACE STE B, CITY OF INDUSTRY, CA 91745 USA
Phone: 1-626-380-0883 www.jmazlighting.com support@jmazlighting.com

Thank you for choosing the RADIANT PAR HEX19. JMAZ Lighting is committed to providing quality defect-free products. All JMAZ Lighting products are tested before leaving the factory and are warranted against defects in materials and workmanship.

This device has left our premises in absolutely perfect working condition. In order to maintain this condition and to ensure a safe operation, follow the safety instructions and warning notes written in this manual.

CAUTION:

- Do not open or alter the casing, high voltage circuitry can result in damage to the light or personal injury.
- Keep this light away from rain or moisture and always use in a well-ventilated area.
- DO not look straight into the light Under no circumstances.
- During normal use the unit may become hot, please allow the unit to cool down before stowing it away.
- Make sure the unit is disconnected from power during routine maintenance cleaning.
- Only connect to power source with-in the operating range

Warranty:

The 2-year warranty period begins the date of purchase from an authorized dealer. Please keep a copy of your invoice (proof of purchase) as this will be required when submitting a warranty related inquiry.

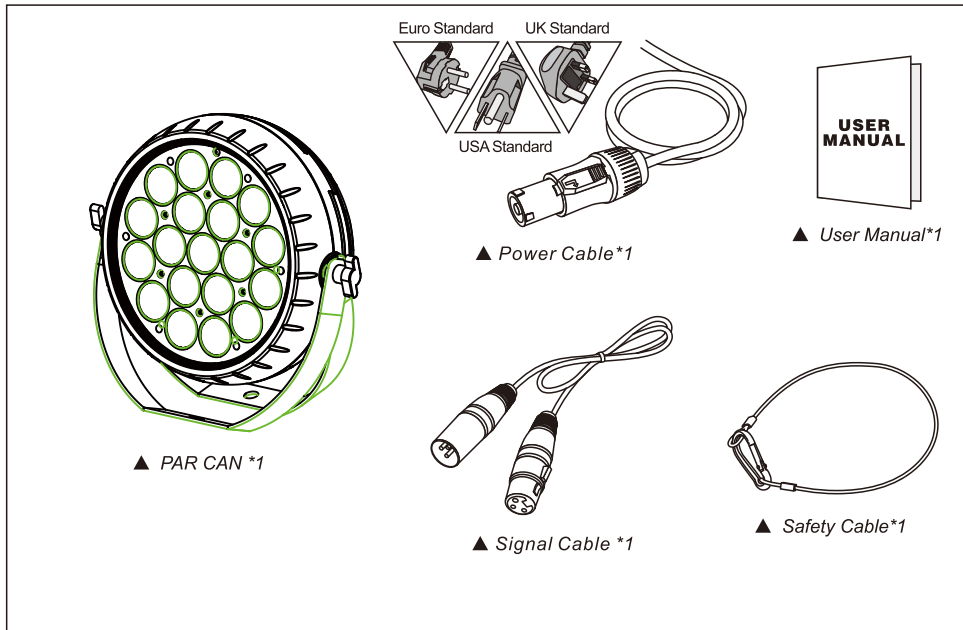
The manufacturer, its dealers or representatives will not accept liability or warranty claims for damages or personal injuries resulting from:

- Damage due to improper installation or operation, negligence, abuse, or not following instructions, warnings or acceptable industry procedures.
- Damage cause during shipment or transportation of the products, all claims of this nature must be presented to the carrier.
- Any products without the original serial number and factory seal or has been serviced by a non authorized JMAZ dealer.

Maintenance and cleaning

Keep the unit clean and dust free, simply wipe it using a soft lint-free cloth moistened with any good glass cleaning fluid. NOTE: DO NOT use alcohol or solvents..

CONTENT



RADINT PAR HEX19 is made of a new type of high temperature, high strength engineered plastic and cast aluminum casing. The fixture is designed and manufactured strictly following CE standards, in compliance with international standard DMX512 protocol. You can control this fixture independently and it is also linkable with other fixtures for operation. The RADINT PAR HEX19 is ideal for applications in large scale live performance theater, studio, nightclubs and discos. This user manual covers the important information regarding installation and applications. Please securely store this manual for future reference.

RADIANT PAR HEX19

Unique and intense, the new RADIANT PAR HEX19 delivers brightness and intensity. Controls include DMX and sound active. Powered by 19 x 12W HEX (RGBWA-UV) LED's to create color macros raging from 2800K to 8000K. Measuring 10.4" in diameter, the RADIANT PAR HEX19 will deliver character and ultimate brightness to any event.

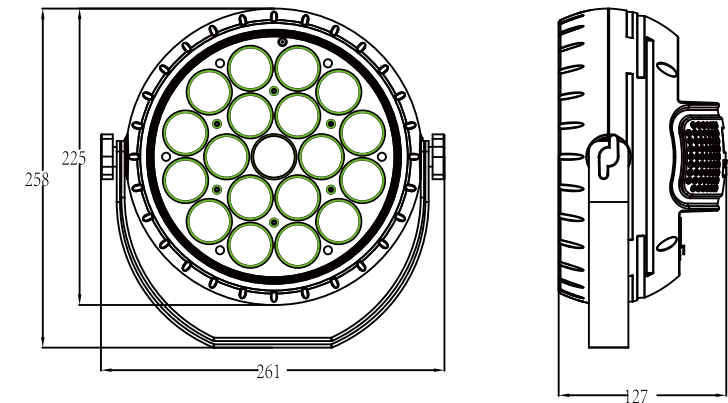
SPECIFICATIONS:

- 19 x 12 Watt HEX (RGBWA+UV) LEDs
- Dynamic Ring Effect with Zone Control
- Color Temperature Macros from 2800K~8000K
- Power-con In/Out, 5-Pin DMX In/Out
- Control: DMX, Master/Slave, Stand Alone, Sound Activated, IR Remote Control
- DMX Channel Modes: 6/12/38
- Input Voltage: AC 90-260V 50-60Hz
- Max Power Consumption: 250W
- Fixture Dimensions: 10.4" x 8.3" x 4.6"
- Fixture Weight: 5.2 lbs.
- Box Dimensions: 11" x 6.1" x 9.6"
- Box Weight: 6.2 lbs

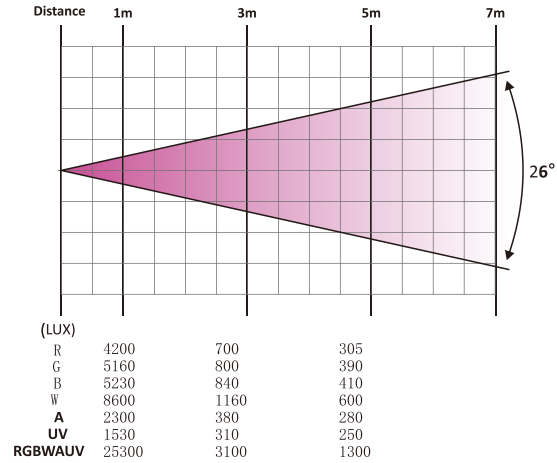
Product Name: RADIANT PAR HEX19

MPN/SKU: JZ1029

UPC: 093674450516



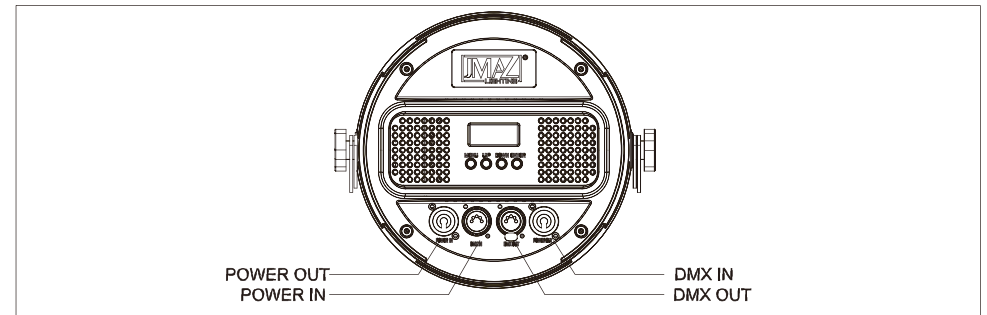
PHOTOMETRICS DIAGRAM



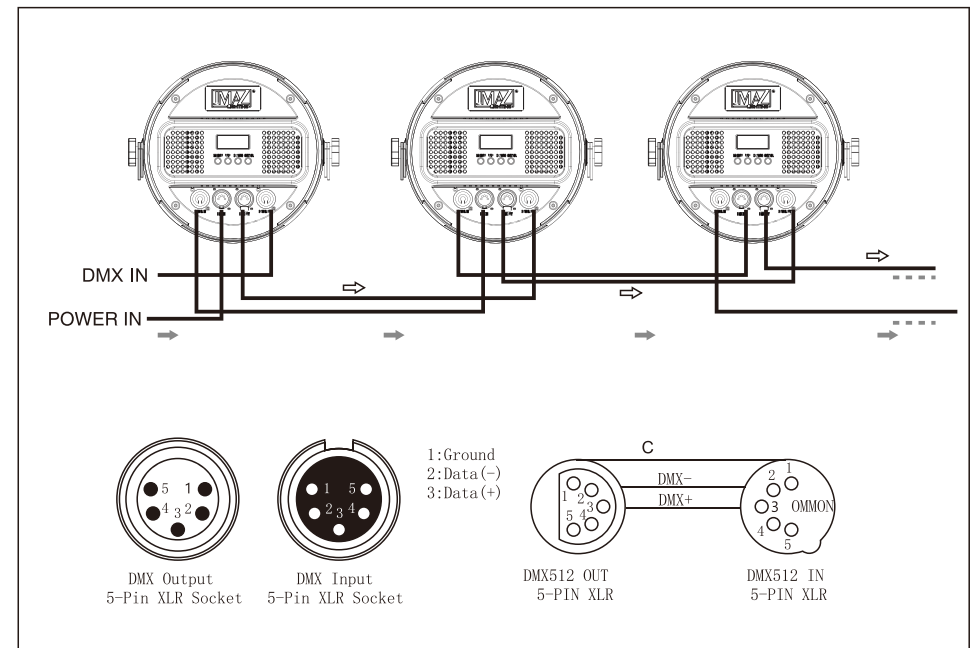
OPERATION INSTRUCTIONS

- RADIANT PAR HEX19 provides a wash effect for stage decoration purpose.
- Do not immediately operate the fixture if it has been through severe temperature changes during storage or transportation as this may damage the unit. Please allow the fixture to return to normal temperature.
- The fixture should be stored properly when in transportation to avoid violent shaking or movement.
- Do not expose the fixture to elements that include high heat, moisture, or an environment with too much dust when in operation.
- Do not place any power cables exposed on the ground as it may cause electronic shock.
- Make sure the fixture is securely installed in a safe location when installing.
- Use safety chain or safety cable when installing and ensure bolts or screws are securely fastened.
- Make sure the lens is in good condition. It is recommended to replace the fixture if there is any damages or severe scratches.
- Make sure the fixture is operated by qualified personnel who has read this user manual. Do not attempt to repair the fixture without consulting with JMAZ Lighting or one of its authorized repair facilities.
- JMAZ Lighting has the right to void any warranty or service to the fixture if there are any malfunctions caused by disregard of this user manual.

9.CONTROL CONNECTION



Connect the provided XLR cable to the female 5-pin XLR output of your controller and the other side to the male 5-pin XLR input of the moving head. You can chain multiple fixtures together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below. DMX-512 connection with DMX terminal. For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a night club, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 3 resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustration below.



33			Amber3	
			0..255	0-100% Amber3 dimmer from dark to bright
34			UV3	
			0..255	0-100% UV3 dimmer from dark to bright
35			Ring 3 Dimmer (if Master Dimmer = 0)	
			0..255	Ring 3 Dimmer 0%...100%
36			Ring 3 Shutter (if Master Shutter = 0)	
			0..31	Shutter closed
			32..63	shutter open
			64..95	Strobe effect slow to fast
			96..127	shutter open
			128..159	Pulse effect in sequences slow to fast
			160..191	shutter open
			192..223	Random strobe effect slow to fast
			224..255	shutter open
			37	
0..15	No Function			
16..55	Custom colors Macro1			
56..95	Custom colors Macro2			
96..135	Custom colors Macro3			
136..175	Custom colors Macro4			
176..215	Custom colors Macro5			
216..255	Custom colors Macro6			
38			Custom colors Macro Speed	
			0..255	Custom colors Macro Speed from Slow To Fast

1. ON AND OFF

The LEDs can be switched on with the button ON and switched off with the button OFF.

2. ADJUST BRIGHTNESS AND SPEED

Use the buttons and to adjust the brightness for the static colors or speed in program mode.

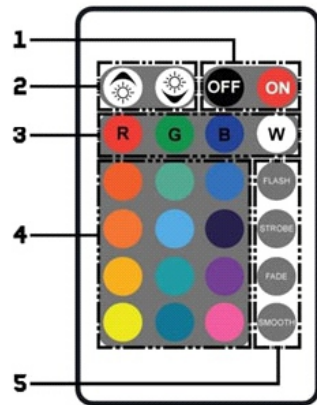
3. SELECT BASIC COLOR

- R: Select red color
 - G: Select green color
 - B: Select blue color
 - W: Select white color
- 4. COLOR BUTTONS**

For constant lighting of all LEDs in one color, press the corresponding color button.

5. SELECTING AN INTERNAL PROGRAM

- FLASH: Color switch
- STROBE: Color strobe
- FADE: Color fade
- SMOOTH: Color switch and strobe



INSTALLATIONS

Cautions:

For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas where the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture from a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5 ft) away from any flammable materials (decoration etc.).

Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

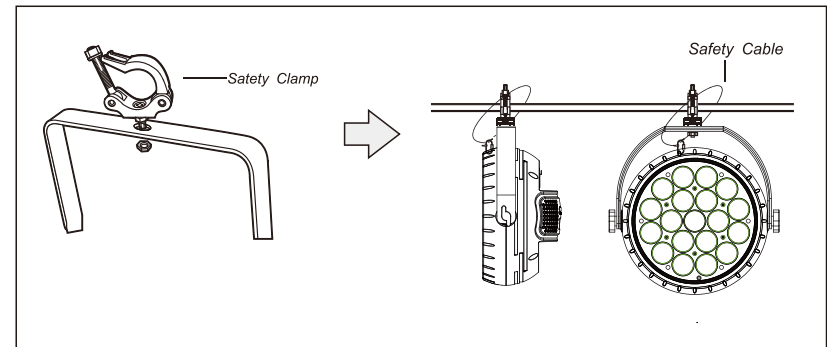
Mounting points:

Overhead mounting requires extensive experience, including amongst others calculating working load limits, a fine knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

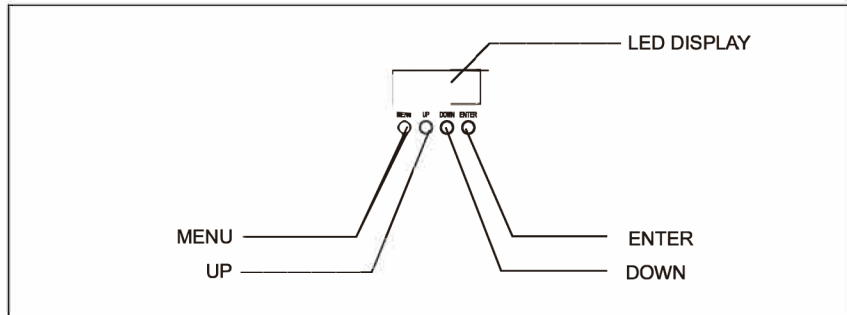
Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

Clamp Mounting:

The RADIANT PAR HEX19 provides a unique mounting bracket assembly that integrates the bottom of the base, and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included omega bracket using a M10 screw fitted through the center hole of the handle. As an added safety measure be sure to attach at least one properly rated safety cable to the fixture using one of the safety cable rigging points integrated in the base assembly.



MENU OPERATIONS



MENU		Description
DMX	A001~AXXX (AXXX)	DMX Address Setting
Channel	CH06/CH12(default)/CH38	Channel Selection
Color	LED LED00-63	Built-in Colors
AutoPro	Program Program1...Program19	Internal Program
	SpeedSet Speed-1~Speed-10 (Speed Adjustment)	Internal Program Speed
SoundPro	Program Program1...Program18	Internal Program
	MicSens M-00~99%	Microphone Sensitivity Setting
Master	ON/OFF	Auto Pro and Sound Pro Host Master / Slave
Setting	DimCurve Standard/Stage/Archit./Theatre	Dimmer Curve
	IrRemote ON/OFF	IR Remote
	Factory Default	Reset to Default Setting
	Cal. Code (Password 088) CH03—CH06	Calibration Calibrate Channel
MANUAL	CXXX 000-255	Manual Control Channel
Info.	VER X.X Version	Software Version
	TEMPXXX°C Temperature	Current Temperature
REST	ON/OFF	Reset all

17			Amber1
	0..255	0-100% Amber1dimmerfrom dark to bright	
18			UV1
	0..255	0-100% UV1 dimmer from dark to bright	
19			Ring 1 Dimmer(if MasterDimmer=0)
	0..255	Ring 1 Dimmer0%...100%	
			Ring 1 Shutter (if MasterShutter = 0)
	0..31	Shutter closed	
	32..63	shutter open	
	64..95	Strobeeffect slow to fast	
20	96..127	shutter open	
	128..159	Pulseeffect in sequences slow to fast	
	160..191	shutter open	
	192..223	Random strobe effect slowto fast	
	224..255	shutter open	
			Red2
21	0..255	0-100% Red2 dimmer from dark to bright	
			Green2
22	0..255	0-100% Green2 dimmer from darkto bright	
			Blue2
23	0..255	0-100% Blue2 dimmer from darkto bright	
			White2
24	0..255	0-100% White2 dimmer from darkto bright	
			Amber2
25	0..255	0-100% Amber2 dimmer from darkto bright	
			UV2
26	0..255	0-100% UV2 dimmer from dark to bright	
			Ring 2 Dimmer(if MasterDimmer=0)
27	0..255	Ring 2 Dimmer0%...100%	
			Ring 2 Shutter (if MasterShutter = 0)
	0..31	Shutter closed	
	32..63	shutter open	
	64..95	Strobeeffect slowto fast	
28	96..127	shutter open	
	128..159	Pulseeffect in sequences slowto fast	
	160..191	shutter open	
	192..223	Randomstrobe effectslowto fast	
	224..255	shutter open	
			Red3
29	0..255	0-100% Red3 dimmer from dark to bright	
			Green3
30	0..255	0-100% Green3 dimmer from dark to bright	
			Blue3
31	0..255	0-100% Blue3 dimmer from darkto bright	
			White3
32	0..255	0-100% White3 dimmer from darkto bright	

11	11		Macro RUN
		0..15	No function
		16..21	Macro Run 1
		22..27	Macro Run 2
		28..33	Macro Run 3
		34..39	Macro Run 4
		40..45	Macro Run 5
		46..51	Macro Run 6
		52..57	Macro Run 7
		58..63	Macro Run 8
		64..69	Macro Run 9
		70..75	Macro Run 10
		76..81	Macro Run 11
		82..87	Macro Run 12
		88..93	Macro Run 13
		94..99	Macro Run 14
		100..105	Macro Run 15
		106..111	Macro Run 16
		112..117	Macro Run 17
		118..123	Macro Run 18
		124..129	Macro Run 19
		130..135	Macro Sound1
		136..141	Macro Sound2
		142..147	Macro Sound3
		148..153	Macro Sound4
		154..159	Macro Sound5
		160..165	Macro Sound6
		166..171	Macro Sound7
		172..177	Macro Sound8
		178..183	Macro Sound9
		184..189	Macro Sound10
		190..195	Macro Sound11
		196..201	Macro Sound12
202..207	Macro Sound13		
208..213	Macro Sound14		
214..219	Macro Sound15		
220..225	Macro Sound16		
226..231	Macro Sound17		
232..255	Macro Sound18		
12	12		Macro Speed
		0..255	Macro Speed from SlowTo Fast
13			Red1
		0..255	0-100% Red1 dimmer from dark to bright
14			Green1
		0..255	0-100% Green1 dimmer from dark to bright
15			Blue1
	0..255	0-100% Blue1 dimmer from dark to bright	
16			White1
	0..255	0-100% White1 dimmer from dark to bright	

Remarks: LED Colour Table

0	No Color	16	B+W	32	G+B+W	48	R+B+W+A
1	Red	17	B+A	33	G+B+A	49	R+B+W+UV
2	Green	18	B+UV	34	G+B+UV	50	R+B+A+UV
3	Blue	19	W+A	35	G+W+A	51	R+W+A+UV
4	White	20	W+UV	36	G+W+UV	52	G+B+W+A
5	Amber	21	A+UV	37	G+A+UV	53	G+B+W+UV
6	UV	22	R+G+B	38	B+W+A	54	G+B+A+UV
7	R+G	23	R+G+W	39	B+W+UV	55	G+W+A+UV
8	R+B	24	R+G+A	40	B+A+UV	56	B+W+A+UV
9	R+W	25	R+G+UV	41	W+A+UV	57	R+G+B+W+A
10	R+A	26	R+B+W	42	R+G+B+W	58	R+G+B+W+UV
11	R+UV	27	R+B+A	43	R+G+B+A	59	R+G+B+A+UV
12	G+B	28	R+B+UV	44	R+G+B+UV	60	R+G+W+A+UV
13	G+W	29	R+W+A	45	R+G+B+A	61	R+B+W+A+UV
14	G+A	30	R+W+UV	46	R+G+W+UV	62	G+B+W+A+UV
15	G+UV	31	R+A+UV	47	R+G+A+UV	63	R+G+B+W+A+UV

DMX PROTOCOL

Mode/Channel		Value	Function	
CH38	CH12(Default)	CH06		
1	1	1	Red	
			0..255	0-100% Red dimmer from dark to bright
2	2	2	Green	
			0..255	0-100% Green dimmer from dark to bright
3	3	3	Blue	
			0..255	0-100% Blue dimmer from dark to bright
4	4	4	White	
			0..255	0-100% White dimmer from dark to bright
5	5	5	Amber	
			0..255	0-100% Amber dimmer from dark to bright
6	6	6	UV	
			0..255	0-100% UV dimmer from dark to bright
7	7		Master Dimmer	
			0..255	Dimmer 0%...100%
8	8		Master Shutter	
			0..31	Shutter closed
			32..63	shutter open
			64..95	Strobe effect slow to fast
			96..127	shutter open
			128..159	Pulse effect in sequences slow to fast
			160..191	shutter open
			192..223	Random strobe effect slow to fast
224..255	shutter open			
9	9		Macro Color	
			0..3	No Function
			4..7	Red
			8..11	Green
			12..15	Blue
			16..19	White
			20..23	R+G
			24..27	R+B
			28..31	R+W
			32..35	R+A
			36..39	R+UV
			40..41	G+B
			44..47	G+W
			48..51	G+A
			52..55	G+UV
			56..59	B+W
			60..63	B+A
			64..67	B+UV
			68..71	W+A
			72..75	W+UV
76..79	A+UV			
80..83	R+G+B			
84..87	R+G+W			
88..91	R+G+A			

9	9		92..95	R+G+UV
			96..99	R+B+W
			100..103	R+B+A
			104..107	R+B+UV
			108..111	R+W+A
			112..115	R+W+UV
			116..119	R+A+UV
			120..123	G+B+W
			124..127	G+B+A
			128..131	G+B+UV
			132..135	G+W+A
			136..140	G+W+UV
			140..143	G+A+UV
			144..147	B+W+A
			148..151	B+W+UV
			152..155	B+A+UV
			156..159	W+A+UV
			160..163	R+G+B+W
			164..167	R+G+B+A
			168..171	R+G+B+UV
			172..175	R+G+B+A
			176..179	R+G+W+UV
			180..183	R+G+A+UV
			184..187	R+W+UV
			188..191	R+A+UV
192..195	R+B+W+A			
196..199	R+B+W+UV			
200..203	R+B+A+UV			
204..207	R+W+A+UV			
208..211	G+B+W+A			
212..215	G+B+W+UV			
216..219	G+B+A+UV			
220..223	G+W+A+UV			
224..227	B+W+A+UV			
228..231	R+G+B+W+A			
232..235	R+G+B+W+UV			
236..239	R+G+B+A+UV			
240..243	R+G+W+A+UV			
244..247	R+B+W+A+UV			
248..251	G+B+W+A+UV			
252..255	R+G+B+W+A+UV			
10	10		Color Temp	
			0..15	No Function
			16..45	Below 3200K
			46..75	3200K- 3500K
			76..105	3500K- 5000K
			106..135	5000K- 5500K
			136..165	5500K- 6000K
			166..195	6000K- 6500K
			196..225	6500K- 7000K
			226..255	7000K- 8000K