SIRIUS IP

Outdoor LED floodlight

USER MANUAL

PLEASE RED THE INSTRUCTIONS CAREFULLY BEFORE USE

TECSHOW

1. OVERVIEW

SIRIUS IP

Outdoor LED floodlight - 48 4-in-1 12W LEDs

Sirius IP is a professional outdoor floodlight that sports 48 12W RGBW LEDs. With a cabinet designed to endure the most demanding situations, the fixture has IP65 degree of protection. Sirius IP has a 25° beam angle and sports quad-colour LED technology allowing a smooth RGBW mix without multicoloured shadows, achieving a very broad spectrum of deeply saturated colours. With a luminosity of 70,000 lumen, six independently controllable LED zones, 16-bit dimmer, RDM Function and HSV mode, the fixture is an ideal alternative for large outdoor applications.

Source & Optics

Light Source: 48 4-in-1 12W LEDs
LEDs life: 50,000 hours
Beam angle: 25°

Photometric data

Luminous flux: 70,000 lm

Effects & functions

Outdoor professional wash light
Quad-colour LED technology: Smooth RGBW mix with no multi-coloured shadows
HSV mode
6 independently controlled LED zones
Dimmer: 0-100% general & for all colors
4 dimming curves
Strobe effect: 0-20Hz

Control

RDM function
DMX Channels: 3/4/6/8/24/26/32
Operational modes: DMX, automatic and static

Electrical

Input voltage range: 115–230V, 50-60Hz
Max power consumption: 650W

Physical

IP Rating: IP65
DMX connectors: 2 Outdoor XLR connectors (XLR-3 input and output)
IP65 In/Out power supply connectors
Dimensions: 565x240x296 mm. / 22.2x9.4x11.6 in.
Weight: 9 Kg. / 19.8 Lbs.

2. SAFETY INSTRUCTIONS

Before using the product, please turn on and check carefully to ensure that there is no damage caused by transportation. The lamp is only suitable for indoor drying. The installation and operation of lamps and lanterns should be carried out by professionals. Don't let children operate machines. Safe ropes should be used when fixing equipment, and the bottom should be lifted when moving lamps. The equipment must be installed in a well ventilated place, at least 50 centimeters from the adjacent plane. Make sure that the ventilation holes are unobstructed so as to avoid overheating when the lamps are running. Make sure that the supply voltage is in line with the requirement of the equipment before operation. Ground the conductor to prevent electric shock. Do not run lamps above 40 C. It is forbidden to connect lamps directly to dimming equipment. Do not place any combustible articles beside the lamp when it is running, so as to insure against fire. Before turning on the lamp, please carefully check whether the power cord is damaged or not. If there is any damage, please replace it immediately. Avoid inflammable liquid, water or metal conductive substances into the interior of the lamp, so as to avoid electric shock or fire. If foreign matter enters the lamp, please cut off the power supply immediately. Avoid operating in dirty and dusty environment, and regularly clean and maintain lamps and lanterns. It is forbidden to touch the electric wire when the lamp is running in order to prevent electric shock.

3. MENU

Main menu	Submenu	Specification	Function
Address	1-512		DMX Address 1-512
Channel	STAG	Basic channel, default settings for appearance	Channel mode settings, see "Channel Table"
	4CH		
	6CH		
	8CH		

	24CH		
	26CH		
	32CH		
	HSV		
Auto	**Auto0**	SP: 0-255(Slow-Fast)	All Color Cycling Auto Running
		R: 0-255, Foreground Color Red	
		G: 0-255, Foreground Color Green	
		B: 0-255, Foreground Color Blue	
		W: 0-255, Foreground color White	
		BR: 0-255, Background Color Red	
		BG: 0-255, Background Color Green	
		BB: 0-255, Background Color Blue	
		BW: 0-255, Background Color White	
	Auto1	SP/R/G/B/W/BR/BG/BB /BW	Whole 6-color Jump Change
	Auto2	SP/R/G/B/W/BR/BG/BB /BW	Whole 6-color Gradient Change
	Auto3	SP/R/G/B/W/BR/BG/BB /BW	Whole 6-color Pulse Change
	Auto4	SP/R/G/B/W/BR/BG/BB /BW	Colorful Flow
	Auto5	SP/R/G/B/W/BR/BG/BB /BW	Colorful Convection
	Auto6	SP/R/G/B/W/BR/BG/BB /BW	Rainbow Windmill Effect
	Auto7	SP/R/G/B/W/BR/BG/BB /BW	Pixel Effect 1

	Auto8	SP/R/G/B/W/BR/BG/BB /BW	Pixel Effect 2
	...	**...**	**...**
	Auto16	SP/R/G/B/W/BR/BG/BB /BW	Pixel Effect 10
Static	**Fix C**	RGBW(XXXX)	This is pre-defined color Mode. After enter into this mode, it will automatically send data as Master, Total 15 colors.
	Manual C	R:0-255	This is Static Color Mode, After enter into this mode, It will automatically send data to slaves. Each color can be adjusted arbitrarily.
		G:0-255	
		B:0-255	
		W:0-255	
	Strobe	S: 0-20	0-20Hz Strobe frequency setting
Dim Mode	**DIM_OFF**		Dimming Speed Setting, DIM_OFF is brightness value change swiftly, DIM1 is fastest, DIM2 is faster, DIM3 is slow, and DIM4 is the slowest.
	DIM1		
	DIM2		
	DIM3		
	DIM4		
Backlite	**OFF**		Display off after 30s
	ON		Display on
Info	**AutoTest**		Factory Testing Mode
	FixHours		Fixture using hours
	Version		Software version
	Temp		Internal Temperature
Default	**No**		
	Yes		Restored to factory set

4. DMX CHANNELS

STAG (Standard)

CH	Value	Function	Instruction
1	0-255	0~100%	**Master Dimmer**
2	0-13	No Function	**Strobe**
	14-255	1~20Hz Strobe speed from slow to fast	
3	0-255	0~100%	**Red**
4	0-255	0~100%	**Green**
5	0-255	0~100%	**Blue**
6	0-255	0~100%	**White**
7	0-10	No Function	**Foreground Color Macro**
	11-30	Red -> Yellow	
	31-50	Yellow-> Green	
	51-70	Green->Cyan	
	71-90	Cyan->Blue	
	91-110	Blue->Magenta	
	111-130	Magenta->Red	
	131-150	Red->White	
	151-255	Red 100%, Green 100%, Blue 100%	
8	0-10	Black	**Background Color Macro** (When CH10 in 80-179, CH8 can choose the background colors, CH9 to adjust the brightness of background colors)
	11-30	Red -> Yellow	
	31-50	Yellow-> Green	
	51-70	Green->Cyan	
	71-90	Cyan->Blue	

	91-110	Blue->Magenta	
	111-130	Magenta->Red	
	131-150	Red->White	
	151-255	Red 100%, Green 100%, Blue 100%	
9	0-255	0-100%	**Dimmer (Background Color)**
10	0-9	No Function	**Auto Running** (Auto 7-16 needs to turn on Foreground Color or Background Color)
	10-19	Auto 0 Color Cycling Auto Change	
	20-29	Auto 1 Color Jump Change	
	30-39	Auto 2 Color Gradient Change	
	40-49	Auto 3 Color Pulse Change	
	50-59	Auto 4 Colorful Flow Effect	
	60-69	Auto 5 Colorful Convection Effect	
	70-79	Auto 6 Rainbow Windmill Effect	
	80-89	Auto7 Pixel Effect 1	
	90-99	Auto8 Pixel Effect 2	
	100-109	Auto9 Pixel Effect 3	
	110-119	...	
	120-179	Auto16 Pixel Effect 10	
	180-255	No Effect	
11	0-255	Auto running speed from slow to fast	**Auto Speed**
12	0-5	Set according to menu	**Dimmer Speed**
	6-55	Dimming effect - Off	
	56-105	Dimming delay is fastest (DIM1)	
	106-155	Dimming delay is fast (DIM2)	

| | 156-205 | Dimming delay is slow (DIM3) | |
| | 206-255 | Dimming delay is slowest (DIM4) | |

4CH

CH	Value	Function	Instruction
1	0-255	0-100% dimming	Red
2	0-255	0-100% dimming	Green
3	0-255	0-100% dimming	Blue
4	0-255	0-100% dimming	White

6CH

CH	Value	Function	Instruction
1	0-255	0~100%	Master Dimmer
2	0-13	No Function	Strobe
	14-255	1~20Hz Strobe speed from slow to fast	
3	0-255	0-100% dimming	Red
4	0-255	0-100% dimming	Green
5	0-255	0-100% dimming	Blue
6	0-255	0-100% dimming	White

8CH(Left and Right Screen)

CH	Value	Function	Instruction

1	0-255	Left Screen 0-100% dimming	Red
2	0-255	Left Screen 0-100% dimming	Green
3	0-255	Left Screen 0-100% dimming	Blue
4	0-255	Left Screen 0-100% dimming	White
5	0-255	Right Screen 0-100% dimming	Red
6	0-255	Right Screen 0-100% dimming	Green
7	0-255	Right Screen 0-100% dimming	Blue
8	0-255	Right Screen 0-100% dimming	White

24CH(Pixel Control)

CH	Value	Function	Instruction
1	0-255	0-100% dimming	Red 1
2	0-255	0-100% dimming	Green 1
3	0-255	0-100% dimming	Blue 1
4	0-255	0-100% dimming	White 1
...	...	...	...
21	0-255	0-100% dimming	Red 6
22	0-255	0-100% dimming	Green 6
23	0-255	0-100% dimming	Blue 6

CH	Value	Function	Instruction
24	0-255	0-100% dimming	White 6

26CH(Pixel Control with Strobe)

CH	Value	Function	Instruction
1	0-255	0~100%	Master Dimmer
2	0-13	No Function	Strobe
	14-255	1~20Hz Strobe speed from slow to fast	
3	0-255	0-100% dimming	Red 1
4	0-255	0-100% dimming	Green 1
5	0-255	0-100% dimming	Blue 1
6	0-255	0-100% dimming	White 1
...	...	...	...
23	0-255	0-100% dimming	Red 6
24	0-255	0-100% dimming	Green 6
25	0-255	0-100% dimming	Blue 6
26	0-255	0-100% dimming	White 6

32CH(Full Function)

CH	Value	Function	Instruction
1	0-255	0~100%	Master Dimmer
2	0-13	No Function	Strobe
	14-255	1~20Hz Strobe speed from slow to fast	
3	0-255	0-100% dimming	Red 1

4	**0-255**	0-100% dimming	**Green 1**
5	**0-255**	0-100% dimming	**Blue 1**
6	**0-255**	0-100% dimming	**White 1**
...	**...**	...	**...**
23	**0-255**	0-100% dimming	**Red 6**
24	**0-255**	0-100% dimming	**Green 6**
25	**0-255**	0-100% dimming	**Blue 6**
26	**0-255**	0-100% dimming	**White 6**
27	**0-10**	No Function	**Foreground Color Macro**
	11-30	Red -> Yellow	
	31-50	Yellow-> Green	
	51-70	Green->Cyan	
	71-90	Cyan->Blue	
	91-110	Blue->Magenta	
	111-130	Magenta->Red	
	131-150	Red->White	
	151-255	Red 100%, Green 100%, Blue 100%	
28	**0-10**	Black	**Background Color Macro** (When CH30 in 80-179, CH28 can choose the background colors, CH29 to adjust the brightness of background colors)
	11-30	Red -> Yellow	
	31-50	Yellow-> Green	
	51-70	Green->Cyan	
	71-90	Cyan->Blue	
	91-110	Blue->Magenta	

	111-130	Magenta->Red	
	131-150	Red->White	
	151-255	Red 100%, Green 100%, Blue 100%	
29	0-255	0-100%	**Dimmer (Background Color)**
30	0-9	No Function	**Auto Running** (Auto 7-16 needs to turn on Foreground Color or Background Color)
	10-19	Auto 0 Color Cycling Auto Change	
	20-29	Auto 1 Color Jump Change	
	30-39	Auto 2 Color Gradient Change	
	40-49	Auto 3 Color Pulse Change	
	50-59	Auto 4 Colorful Flow Effect	
	60-69	Auto 5 Colorful Convection Effect	
	70-79	Auto 6 Rainbow Windmill Effect	
	80-89	Auto7 Pixel Effect 1	
	90-99	Auto8 Pixel Effect 2	
	100-109	Auto9 Pixel Effect 3	
	110-119	...	
	120-179	Auto16 Pixel Effect 10	
	180-255	No Effect	
31	0-255	Auto running speed from slow to fast	**Auto Speed**
32	0-5	Set according to menu	**Dimmer Speed**
	6-55	Dimming effect - Off	
	56-105	Dimming delay is fastest (DIM1)	

	106-155	Dimming delay is fast (DIM2)	
	156-205	Dimming delay is slow (DIM3)	
	206-255	Dimming delay is slowest (DIM4)	

HSV

CH	Value	Function	Instruction
1	0-255	0-100%	**H Hue**
2	0-255	0-100%	**S Saturation**
3	0-255	0-100%	**V Brightness**