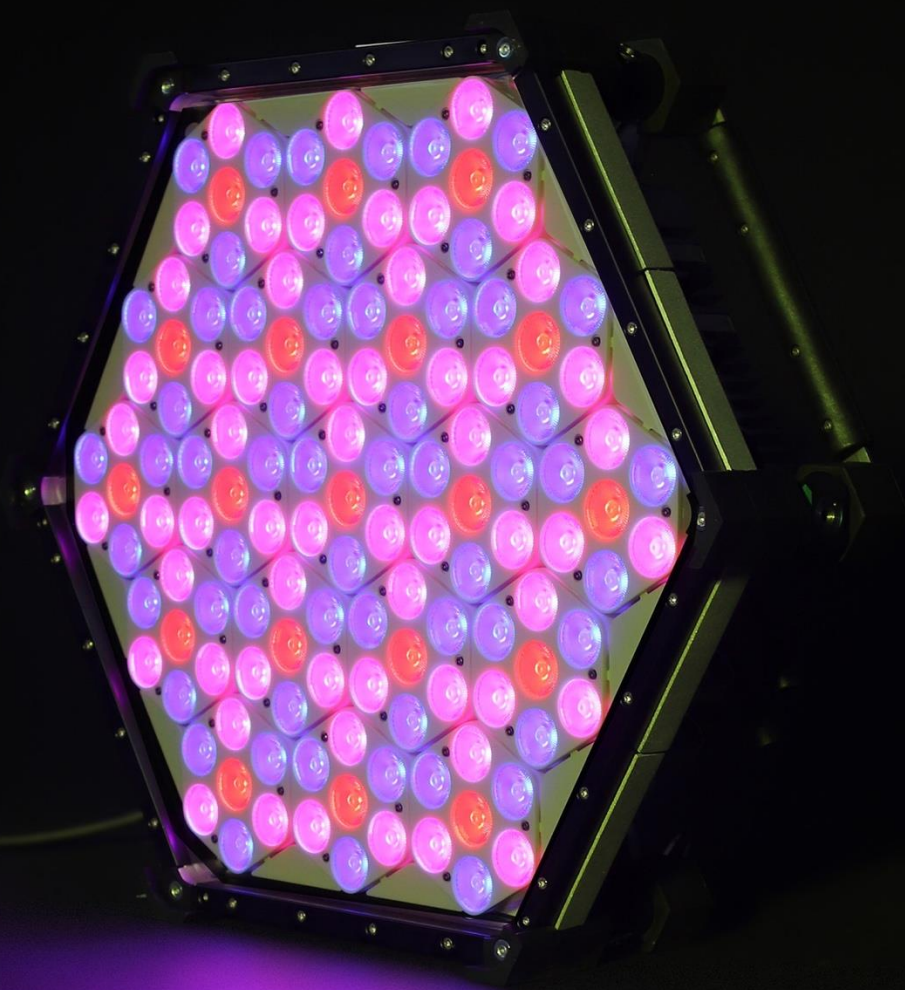




USER MANUAL

Firmware Version 1.0.7. / 2023-05



MADE IN GERMANY

SUMOLIGHT

SUMOLIGHT.COM



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1. About SUMOMAX

1.1. Overview

The SUMOMAX is a 650W, full colour RGBWW LED soft light luminaire with continuous colour adjustment from 1800K up to 10000K, including full control of the Green/ Magenta axis. LumenRadio CRMX solution is built in and IP 65 protection allows for outdoor use.

SUMOMAX may only be used in accordance with the information provided in this user manual. Before and while operating the SUMOMAX please ensure that all recommendations, instructions, safety information and warnings within this manual, are adhered to.

1.2. Delivery Content

Standardly SUMOMAX comes with the following delivery content. Please affirm with your order confirmation documents.

- SUMOMAX luminaire
- SUMOMAX yoke
- Neutrik powerCON TRUE1 TOP Cable -7,5 m (for European customers only, refer to your distributor)
- Optional: Lens Plates 30°, 60° (Combination:120°)

1.3. SUMOMAX Features

Features	
Full Colour Spectrum RGBWW	
IP 65	
CRMX / Lumenradio Integration	
16 DMX Personalities	
Quality management by full colour factory calibration at production (CIE 1931)	
Pixel mapping - 19 Pixel per Fixture	
Full SUMOSKY and Unreal Engine Integration	
Modular – Daisy chainable to up to 32 SUMOMAX	
Silent Passive Cooling	
Interchangeable beam angles through 3 different Lens Plates	
Flicker free (up to 200 FPS)	
Lightweight Construction (17 Kg)	
Hardlight to softlight	
Many optional softgoods	
Rugged Design	

1.4. Technical Specifications

General	
Mounting	Yoke (standard) and Universal Pin
Ambient Temperature	-20° C - 40° C
Cooling	Passive
Weight	17 kg without Yoke (20 kg with Yoke)
Dimensions	582 x 504 x 200 mm
IP Rating	IP 65 incl. connectors and cables



Photometrics																
Light sources	RGBWW LEDs (full colour)															
CRI	>95															
TLCI	>99															
Beam angle	Native: 20° Optional: 30°, 60°, 120° (With Interchangeable Lens Plates)															
Illuminance	<table border="1"> <thead> <tr> <th></th> <th>3200 K</th> <th>5600 K</th> </tr> </thead> <tbody> <tr> <td>1m:</td> <td>90 400 lx</td> <td>107 000 lx</td> </tr> <tr> <td>3m:</td> <td>17 400 lx</td> <td>20 600 lx</td> </tr> <tr> <td>5m:</td> <td>7 320 lx</td> <td>8 600 lx</td> </tr> <tr> <td>10m:</td> <td>1 830 lx</td> <td>2 150 lx</td> </tr> </tbody> </table>		3200 K	5600 K	1m:	90 400 lx	107 000 lx	3m:	17 400 lx	20 600 lx	5m:	7 320 lx	8 600 lx	10m:	1 830 lx	2 150 lx
	3200 K	5600 K														
1m:	90 400 lx	107 000 lx														
3m:	17 400 lx	20 600 lx														
5m:	7 320 lx	8 600 lx														
10m:	1 830 lx	2 150 lx														
Colour Temperature Range	1800 K – 10000 K															

Electrical	
Frequency	50 Hz - 60 Hz
Input Voltage AC	100 V - 240 V
Input Current AC	Max. 11,6A@115VAC
Input Voltage DC	48 V (Battery Voltage Safety Range: 40 V – 60 V)
Input Current DC	Max. 12 A@48 VDC
Power	650 W Boost Mode: Max. 1350 W (Only available for AC Operation)
Protection DC Input	Overvoltage Protection Undervoltage Protection Overcurrent Protection
Dimming	0-100% with Super Smooth High Resolution in Standard Mode (PWM)

Control Interface	
User Interface	Touch Screen
Control Protocol	Art-Net, DMX, CRMX (LumenRadio)
DMX/ Art-Net/ Lumenradio Personalities	16 personalities: 8 and 16 Bits, Single and Multi Pixel: CCT, CCT HSI, CCT RGB, RGBWW

Connections	
Power Input	AC: Neutrik powerCON TRUE1 TOP DC: Neutrik 3 Pin male XLR TOP
Data Connectors	Ethernet: Neutrik etherCON TOP RJ45 DMX IN: Neutrik 5 Pin female XLR TOP DMX THRU: Neutrik 5 Pin male XLR TOP Sync: Neutrik 75 Ω BNC



2. Safety Information and Compliance Note

2.1. Compliance Note

SUMOLIGHT GmbH and its affiliated companies and third party suppliers shall not be liable for any incidental, special or consequential losses, costs or damages incurred by buyer or others, directly or indirectly arising from the sale, handling or use of the products described herein, or from any other cause with respect to the products, whether such claim is based upon breach of contract, breach of warranty, strict liability in tort, negligence or any other legal theory (including without limitation, lost profits, revenues, anticipated sales, business opportunities, goodwill, or interruption of business or other injury or damage).

Before using the device described in this safety information, make sure that you have read and understood all instructions. All products sold by SUMOLIGHT GmbH and affiliates including approved resellers shall be used by qualified professionals only. Safe use and handling of all SUMOLIGHT products is entirely the responsibility of the purchaser and/or anyone who receives said products from the purchaser.

2.2. Safety Information

1. Intended Use

SUMOMAX is a luminaire designed for professional illumination purposes in stage lighting, television and film studios and may only be operated by qualified professionals and must not be used for private purposes. All other usages of this fixture are considered improper and dangerous.

SUMOLIGHT GmbH assumes no liability for consequences of improper use.

2. Safety Information

Read this safety information accurately and heed all warnings before the first use of the SUMOMAX. Keep the safety information in a safe place during the lifetime of the product. The safety information forms are an integral part of the fixture and should always be included for subsequent owners.

3. Mounting/ Placement

Do not place the SUMOMAX on an unstable surfaces. Fixture shall be secured when stored or handled only by qualified professionals. SUMOMAX may fall causing serious injury and serious damage to the product. Any mounting and installation of the SUMOMAX

should follow the manufacturer's instructions. Only mounting accessory shall be used which is recommended by the manufacturer, SUMOLIGHT GmbH. Please refer to chapter 5. *Mounting and Demounting SUMOMAX Yoke*. The responsibility for correctly installing, securing and rigging accessories and rests with the customer. Do not operate the fixture after it has fallen or if any damages are visible.

4. Power Cord Protection

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon them or against them, paying particular attention to cords and plugs at the point where they exit from the fixture.

Power cord cables should have a cable cross section higher than 3G1.5 mm² for cable protection. The responsibility for correctly dimensioning, securing and installing any cabling lies with the customer and should be performed by electrician professionals.

5. Battery

Battery voltage safety range is 40 V – 60 V, operating SUMOMAX outside safety range may result in fixture damage.

6. Ambient Operating Temperature and External Heat Sources

Do not operate fixture near any heat sources e.g., radiators, stoves, or other appliances that produce heat. Do not operate fixture under direct sunlight. Fixture may overheat and take damage.



Operate SUMOMAX only in ambient temperature of -20° C - 40° C.

7. IP Rating and Liquids

SUMOMAX is rated IP 65. It should never be submerged in water or other liquids. Prevent liquids other than water from splashing on or into the fixture. Do not place any objects containing liquids, such as bottles or glasses, on the top of the unit. Note that all plug covers have to be closed and only cables that are recommended by SUMOLIGHT result in full IP 65 coverage.

8. Ventilation/ Pin Element

SUMOMAX is passively cooled, additional cooling is supported by openings on all sides through ventilation to ensure reliable operation of the SUMOMAX and to protect it from overheating. These openings must not be blocked or covered at a risk of overheating and damaging the fixture.

9. Interference of External Objects with the Fixture

Never push objects of any kind into this fixture through openings as they may touch dangerous voltage points or short-out parts that could result in fire or electric shock.

10. Opening SUMOMAX

SUMOMAX shall not be opened in any case. Removing the cover or other parts may result in electric shock, injury and death, when connected to the main power. Opening the fixture will also result in forfeit of warranty and loss of IP 65 protection.

11. Lightning

For additional protection of the SUMOMAX during lightning storms or when it is left unattended and/or unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the unit due to lightning and power line surges. Disconnection from the main power supply can only be achieved by removing the plug from the main socket and by external disconnecting of all poles from the main sockets.

12. Damages that Require Service

Unplug SUMOMAX from the main power supply and refer to your dealer/ distributor or other authorized repair workshop if any of the following situations occur:

- if liquid other than water has been spilled or objects have fallen into the fixture
- if the fixture has been dropped or damaged in any other way
- if the power supply cord plug has been damaged
- when the fixture exhibits a distinct malfunction from its normal function or performance
- in case the fixture has been used in an extremely dusty environment

13. Servicing

All service and repair work must be carried out by a dealer/ distributor authorized by SUMOLIGHT GmbH. Do not attempt to service the SUMOMAX yourself as opening or removing covers may expose you to dangerous voltage or other hazards, SUMOMAX may only be opened by qualified personnel permitted by SUMOLIGHT GmbH. Please refer to your dealer/distributor or contact SUMOMAX technical support at support@sumolight.com

14. Cleaning

Unplug the SUMOMAX from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Clean only with a dry or slightly moist lint free cloth.

15. Packaging and Shipping

When shipping the SUMOMAX always use the original SUMOMAX shipping box and packing materials. For maximum protection repack the unit as it was originally packed at the factory.



2.3. Important Safety Warnings



DANGER! Risk of injury or death due to electric shock!

Do not open or remove the cover or other parts of the SUMOMAX as it may result in electric shock, injury and death, when connected to the main power. Opening fixture will result in forfeit of warranty and loss of IP 65 protection.



DANGER! Risk of injury or death due to electric shock!

Do not store or operate SUMOMAX in water or other liquids.
Do not plug objects into SUMOMAX power plugs, slots and openings.
Do not operate SUMOMAX with damaged cords, plugs and connectors.



DANGER! Risk of injury or death due to epileptic/photosensitive fits!

SUMOMAX can be operated with strobe light effects up to 30 Hz. Strobe lights and flashing lights in this range can be potentially dangerous to people with health conditions that are associated with photosensitivity that can be triggered by visual patterns.



DANGER! Risk of injury or death due to unsecured fixture!

Unsecured fixtures may fall and cause serious injury or death. The fixture and attached accessories must be protected against accidentally falling by use of a safety cable according to 60598-1.



CAUTION! Risk of eye injury due to blue and high light intensity radiation!

Do not look directly into SUMOMAX. SUMOMAX LEDs are classified risk class I for blue light radiation.

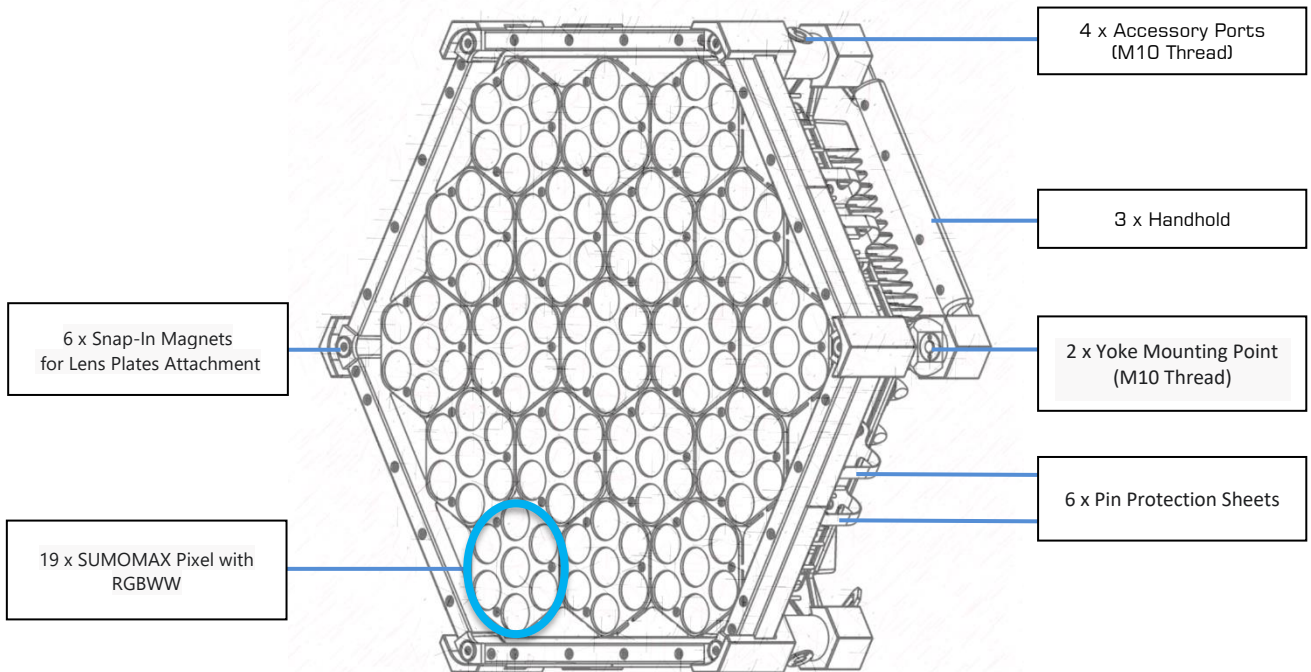
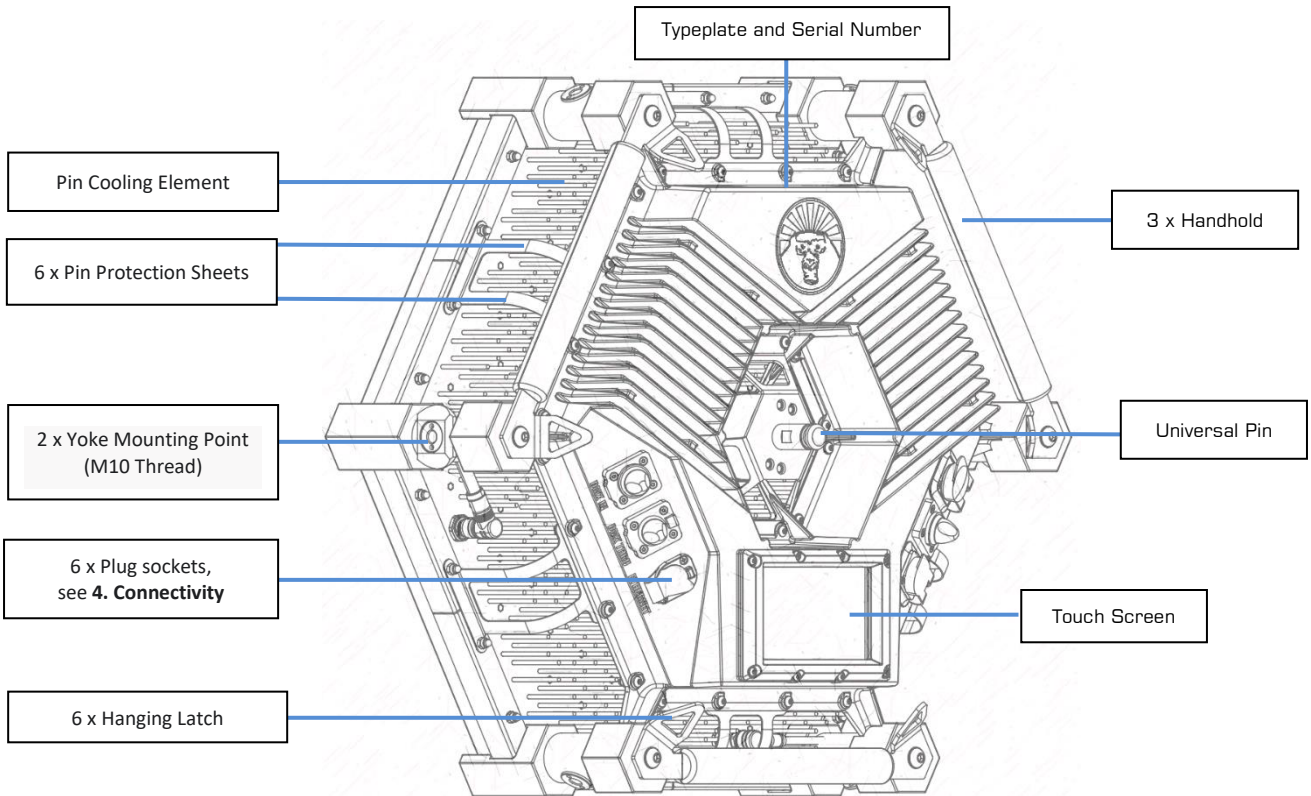


CAUTION! Risk of burn injuries due to hot fixture surface!

The housing can reach temperatures up to 120° C during operation. Do not touch the housing while operating. Keep a sufficient distance to cords and surfaces of other equipment.



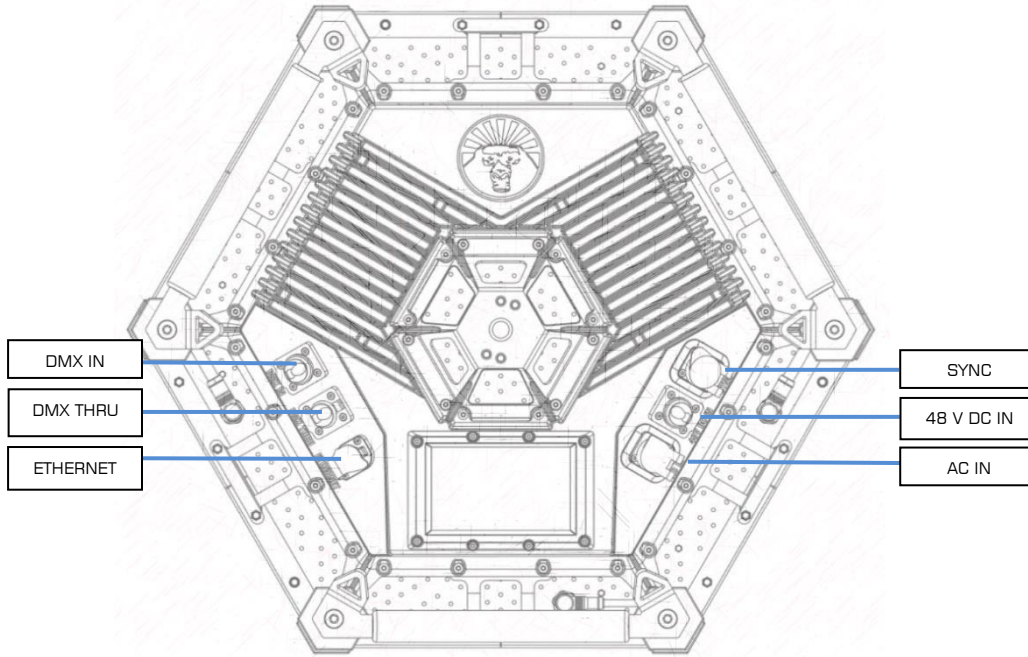
3. Fixture Overview





4. Connectivity

4.1. Plug Sockets and Connectors

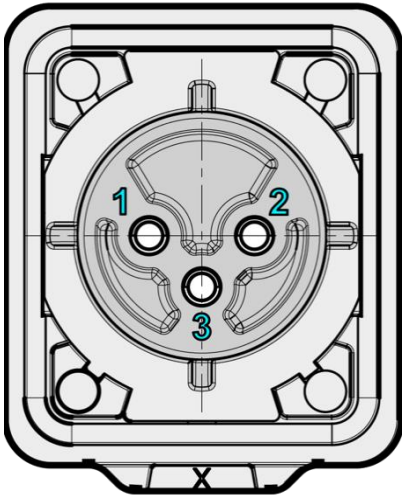


Plug name	Connector	Function	Wiring
DMX IN	Neutrik 5 Pin male XLR TOP	Wired DMX control	Connect external DMX for DMX Input
DMX THRU	Neutrik 5 Pin female XLR TOP (DMX cable standard)	Optional: For Super 7 or daisy chaining up to 32 SUMOMAX (restricted to 512 channels)	Connect first SUMOMAX with external DMX to DMX IN, then DMX THRU with DMX IN of next SUMOMAX, subsequently repeat wiring one after another, last SUMOMAX DMX THRU to be connected with Terminator. Note: All SM require the same orientation for correct pixelmapping.
Ethernet	Neutrik etherCON TOP RJ45	Art-Net Control	Connect Ethernet cable for Art-Net control to each SUMOMAX separately
AC IN	powerCON TRUE1	SUMOMAX has no separate power switch, it is turned on by connecting the power supply	Connect 100 V - 240 V AC Power Supply
48 V DC IN	Neutrik 3 Pin XLR TOP	48 V DC Power Input (Battery)	Connect Battery (external distribution) with 3 Pin XLR: 48 VDC (Safety range 40 V - 60 V)
Sync	Neutrik 75 Ω BNC	<ul style="list-style-type: none"> Genlock compatible Input of an external trigger equipment for synchronization 	The Sync socket accepts standard analog SD/ ED/ HD video signals with bi-level or tri-level sync. Devices like Ambient Lockit ACN-CL or a cinema camera with genlock output can easily trigger SUMOMAX solving the problems with frame tearing.



4.2. Battery Input Pin Assignment

The plug socket **48 V DC IN** on the SUMOMAX has the following pin assignment:



1. +48V
2. GND
3. not connected



5. Mounting and Demounting SUMOMAX Yoke

SUMOMAX mount standard is the SUMOMAX Yoke and the optional connector block for half coupler. Safety recommendation: To prevent accidental injuries and product damage perform the mounting procedure only with trained personal with one securing the SUMOMAX at all times.

Demounting the Yoke



- 1.** Unscrew the two screw handles (M10), one on each side of the Yoke.



- 2.** When both sides are unscrewed completely, the SUMOMAX yoke will be loosened by pulling the handles out on both sides until it clicks.



- 3.** SUMOMAX can now be disconnected from the Yoke by pulling out vertically.

For yoke mounting proceed in reverse order.



6. Controlling the SUMOMAX

To control the SUMOMAX there are currently 4 different options controlling the SUMOMAX:

1. DMX
2. Art-Net
3. CRMX / Lumenradio
4. Integrated Touch Screen

6.1. DMX, Art-Net and CRMX / Lumenradio Control

Note that SUMOMAX can standardly be controlled over wired solutions like DMX and Art-Net, but also over a wireless Lumenradio CRMX system solution.

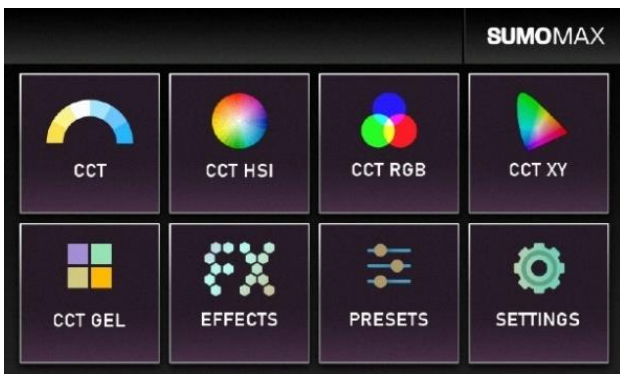
For all protocols refer to chapter **8. DMX Table** for personality configuration.

6.2. Touch Screen Functions

The touch screen of SUMOMAX has several manual settings to set up and manage the multiple modes of the fixture.

Note: CCT XY, CCT GEL and PRESETS are not available in Firmware version 1.0.7. and lower.

MAIN PAGE

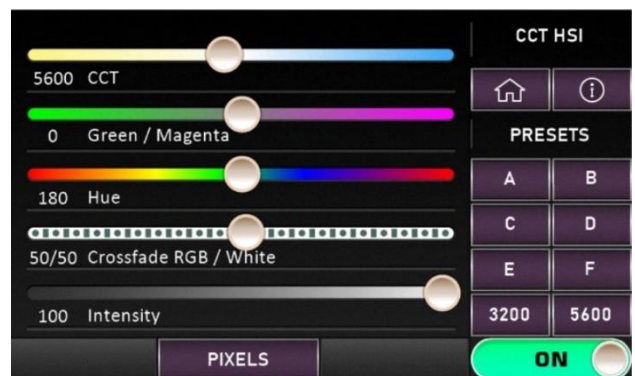


CCT



CCT mode allows warm and cold white light with Green/Magenta, easy handling with control slider.

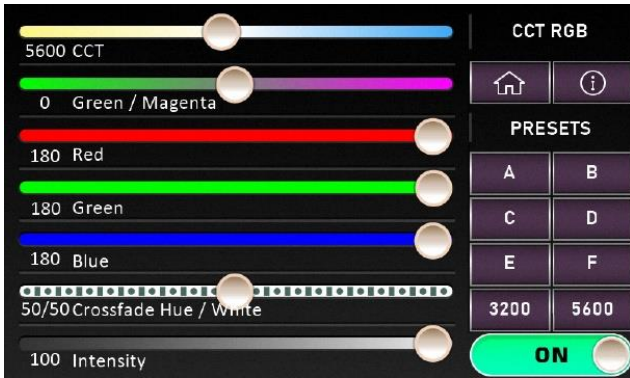
CCT HSI



CCT HSI is a hybrid mode uniting CCT and HSI (Hue, Saturation, Intensity). Saturation can be controlled by *Crossfade RGB/White* for tint control.

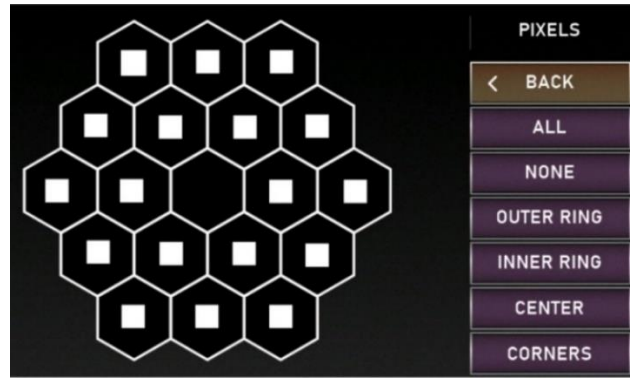


CCT RGB



CCT RGB has full colour support, white light and Green/Magenta point and individual tint control slider for red, green and blue.

→ Pixels



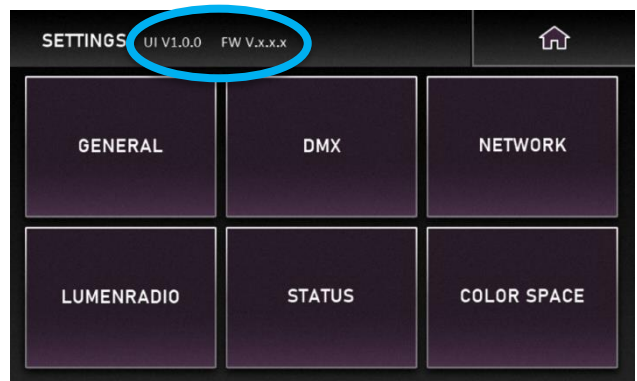
Pixels can be turned on and off individual pixels and choose their shortcuts for use of common pixel combinations.

Effects



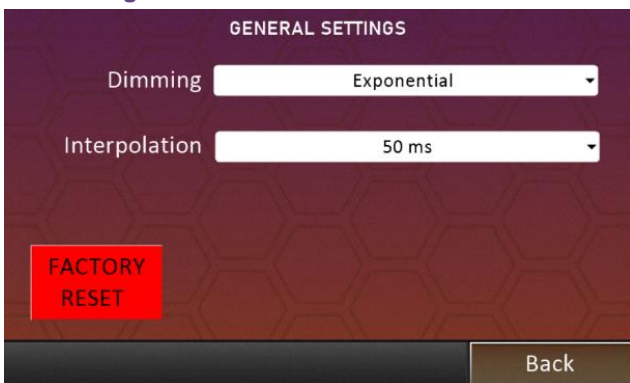
Choose between 8 preset Effects

→ Settings



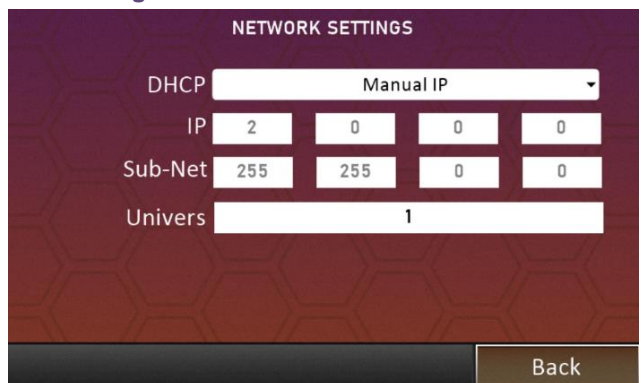
Choose between several options within the settings and check Firmware and UI version information.

→ Settings- General



In General Settings the fixed settings for Dimming and Interpolation time are displayed.

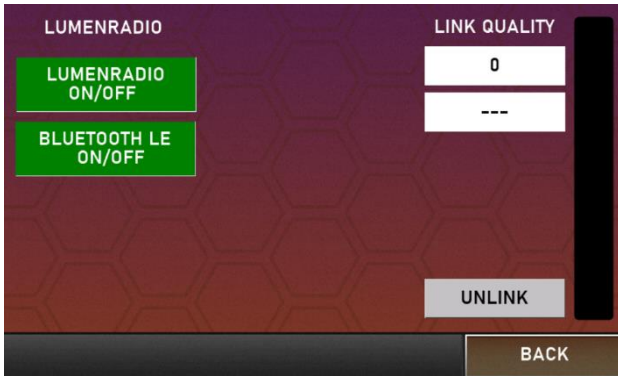
→ Settings-DMX



In DMX Settings set DMX personality separately via Mode, Bits and Pixel configuration and set the DMX

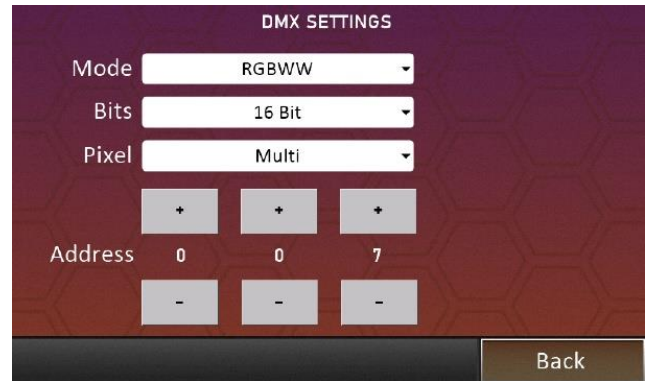


→ **Settings-Lumenradio**



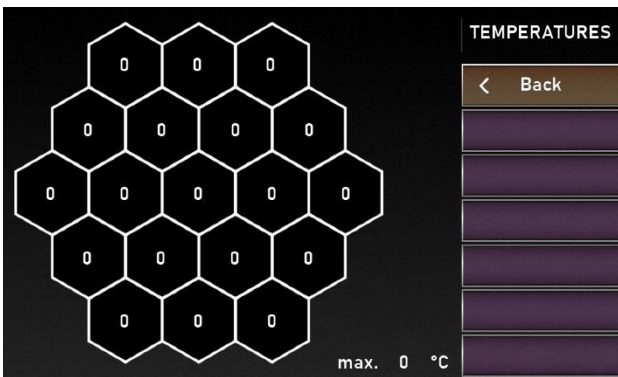
Set Lumenradio and Bluetooth LE on or off in LumenRadio Settings. Monitor link quality or unlink LumenRadio,

→ **Settings-Network**



In Network Settings set all IP configurations from SUMOMAX if you use Network connections (Art-Net).

→ **Settings-Status**



Status window displays actual measured temperature output for each pixel.

→ **Settings-Colour Space**



In Colour Space Settings from Version 1.0.7 and lower wide LED Gamut is available only. Additional color space options coming soon.

7. Warranty and Support

SUMOLIGHT GmbH grants SUMOMAX buyers 2 years manufacturer warranty. This includes accessoires.

For more information visit our homepage www.sumolight.com

For any technical information or support questions please contact support@sumolight.com

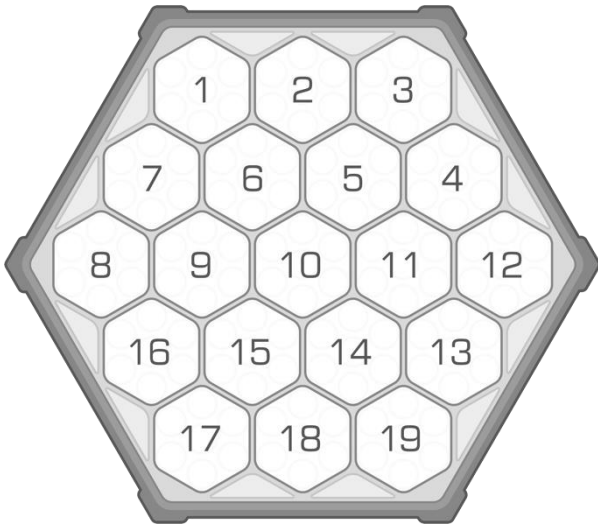


8. DMX Table

8.1. Important Note

This DMX table is only applicable for SUMOMAX with firmware version 1.0.7. or lower.
 All upcoming firmware versions will have standard pixelmapping.
 Check your firmware version in the Touch Screen Menu under *Settings*.

8.2. Pixelmapping (front)



8.3. Personality 1: CCT / 8 Bits / Single Pixel

Slot No.	Slot Name	DMX Value	Output Value
1	Intensity	0 - 255	0 - 100%
2	CCT	0 - 255	1800K - 10000K
3	Green / Magenta	0 - 255 (128 neutral)	-50 % / 50%

8.4. Personality 2: CCT / 16 Bits / Single Pixel

Slot No.	Slot Name	DMX Value	Output Value
1	Intensity	HI	0 - 100%
2		LO	
3	CCT	HI	1800K - 10000K
4		LO	
5	Green / Magenta	HI	-50% / 50%
6		LO	



8.5. Personality 3: CCT / 8 Bits / Multi Pixel

Slot No.	Slot Name	Pixel	DMX Value	Output Value
1	Master Brightness	All	0 - 255	0 - 100%
2	Intensity	1	0 - 255	0 - 100%
3	CCT		0 - 255	1800K - 10000K
4	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
5	Intensity	2	0 - 255	0 - 100%
6	CCT		0 - 255	1800K - 10000K
7	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
8	Intensity	3	0 - 255	0 - 100%
9	CCT		0 - 255	1800K - 10000K
10	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
11	Intensity	4	0 - 255	0 - 100%
12	CCT		0 - 255	1800K - 10000K
13	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
14	Intensity	5	0 - 255	0 - 100%
15	CCT		0 - 255	1800K - 10000K
16	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
17	Intensity	6	0 - 255	0 - 100%
18	CCT		0 - 255	1800K - 10000K
19	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
20	Intensity	7	0 - 255	0 - 100%
21	CCT		0 - 255	1800K - 10000K
22	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
23	Intensity	8	0 - 255	0 - 100%
24	CCT		0 - 255	1800K - 10000K
25	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
26	Intensity	9	0 - 255	0 - 100%



27	CCT		0 - 255	1800K - 10000K
28	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
29	Intensity		0 - 255	0 - 100%
30	CCT	10	0 - 255	1800K - 10000K
31	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
32	Intensity		0 - 255	0 - 100%
33	CCT	11	0 - 255	1800K - 10000K
34	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
35	Intensity		0 - 255	0 - 100%
36	CCT	12	0 - 255	1800K - 10000K
37	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
38	Intensity		0 - 255	0 - 100%
39	CCT	13	0 - 255	1800K - 10000K
40	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
41	Intensity		0 - 255	0 - 100%
42	CCT	14	0 - 255	1800K - 10000K
43	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
44	Intensity		0 - 255	0 - 100%
45	CCT	15	0 - 255	1800K - 10000K
46	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
47	Intensity		0 - 255	0 - 100%
48	CCT	16	0 - 255	1800K - 10000K
49	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
50	Intensity		0 - 255	0 - 100%
51	CCT	17	0 - 255	1800K - 10000K
52	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
53	Intensity		0 - 255	0 - 100%
54	CCT	18	0 - 255	1800K - 10000K



55	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
56	Intensity	19	0 - 255	0 - 100%
57	CCT		0 - 255	1800K - 10000K
58	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%

8.6. Personality 4: CCT / 16 Bits / Multi Pixel

Slot No.	Slot Name	Pixel		DMX Value	Output Value
1	Master	All	HI	0 - 65535	0 - 100%
2			LO		
3	Intensity	1	HI	0 - 65535	0 - 100%
4			LO		
5	CCT		HI	0 - 65535	1800K - 10000K
6			LO		
7	Green / Magenta		HI	0 - 65535	-50% / 50%
8			LO		
9	Intensity	2	HI	0 - 65535	0 - 100%
10			LO		
11	CCT		HI	0 - 65535	1800K - 10000K
12			LO		
13	Green / Magenta		HI	0 - 65535	-50% / 50%
14			LO		
15	Intensity	3	HI	0 - 65535	0 - 100%
16			LO		
17	CCT		HI	0 - 65535	1800K - 10000K
18			LO		
19	Green / Magenta		HI	0 - 65535	-50% / 50%
20			LO		
21	Intensity	4	HI	0 - 65535	0 - 100%
22			LO		
23	CCT		HI	0 - 65535	1800K - 10000K
24			LO		
25	Green / Magenta		HI	0 - 65535	-50% / 50%
26			LO		
27	Intensity	5	HI	0 - 65535	0 - 100%
28			LO		
29	CCT		HI	0 - 65535	1800K - 10000K
30			LO		
31	Green / Magenta		HI	0 - 65535	-50% / 50%
32			LO		
33	Intensity	6	HI	0 - 65535	0 - 100%
34			LO		
35	CCT		HI	0 - 65535	1800K - 10000K



36			LO		
37	Green / Magenta		HI	0 - 65535	-50% / 50%
38			LO		
39	Intensity	7	HI	0 - 65535	0 - 100%
40			LO		
41	CCT	7	HI	0 - 65535	1800K - 10000K
42			LO		
43	Green / Magenta	7	HI	0 - 65535	-50% / 50%
44			LO		
45	Intensity	8	HI	0 - 65535	0 - 100%
46			LO		
47	CCT	8	HI	0 - 65535	1800K - 10000K
48			LO		
49	Green / Magenta	8	HI	0 - 65535	-50% / 50%
50			LO		
51	Intensity	9	HI	0 - 65535	0 - 100%
52			LO		
53	CCT	9	HI	0 - 65535	1800K - 10000K
54			LO		
55	Green / Magenta	9	HI	0 - 65535	-50% / 50%
56			LO		
57	Intensity	10	HI	0 - 65535	0 - 100%
58			LO		
59	CCT	10	HI	0 - 65535	1800K - 10000K
60			LO		
61	Green / Magenta	10	HI	0 - 65535	-50% / 50%
62			LO		
63	Intensity	11	HI	0 - 65535	0 - 100%
64			LO		
65	CCT	11	HI	0 - 65535	1800K - 10000K
66			LO		
67	Green / Magenta	11	HI	0 - 65535	-50% / 50%
68			LO		
69	Intensity	12	HI	0 - 65535	0 - 100%
70			LO		
71	CCT	12	HI	0 - 65535	1800K - 10000K
72			LO		
73	Green / Magenta	12	HI	0 - 65535	-50% / 50%
74			LO		
75	Intensity	13	HI	0 - 65535	0 - 100%
76			LO		
77	CCT	13	HI	0 - 65535	1800K - 10000K
78			LO		
79	Green / Magenta	13	HI	0 - 65535	-50% / 50%
80			LO		
81	Intensity	14	HI	0 - 65535	0 - 100%
82			LO		



83	CCT		HI	0 - 65535	1800K - 10000K
84			LO		
85	Green / Magenta		HI	0 - 65535	-50% / 50%
86			LO		
87	Intensity	15	HI	0 - 65535	0 - 100%
88			LO		
89	CCT	15	HI	0 - 65535	1800K - 10000K
90			LO		
91	Green / Magenta	15	HI	0 - 65535	-50% / 50%
92			LO		
93	Intensity	16	HI	0 - 65535	0 - 100%
94			LO		
95	CCT	16	HI	0 - 65535	1800K - 10000K
96			LO		
97	Green / Magenta	16	HI	0 - 65535	-50% / 50%
98			LO		
99	Intensity	17	HI	0 - 65535	0 - 100%
100			LO		
101	CCT	17	HI	0 - 65535	1800K - 10000K
102			Lo		
103	Green / Magenta	17	Hi	0 - 65535	-50% / 50%
104			Lo		
105	Intensity	18	Hi	0 - 65535	0 - 100%
106			Lo		
107	CCT	18	Hi	0 - 65535	1800K - 10000K
108			Lo		
109	Green / Magenta	18	Hi	0 - 65535	-50% / 50%
110			Lo		
111	Intensity	19	Hi	0 - 65535	0 - 100%
112			Lo		
113	CCT	19	Hi	0 - 65535	1800K - 10000K
114			Lo		
115	Green / Magenta	19	Hi	0 - 65535	-50% / 50%
116			Lo		

8.7. Personality 5: CCT HSI / 8 Bits / Single Pixel

Slot No.	Slot Name	DMX Value	Output Value
1	Intensity	0 - 255	0 - 100%
2	CCT	0 - 255	1800K - 10000K
3	Green / Magenta	0 - 255 (128 neutral)	-50% / 50%
4	Hue	0 - 255	0 - 100%
5	Crossfade (Hue/White)	0 - 255	0 - 100% / 100% - 0%



8.8. Personality 6: CCT HSI / 16 Bits / Single Pixel

Slot No.	Slot Name		DMX Value	Output Value
1	Intensity	HI	0 - 65535	0 - 100%
2		LO		
3	CCT	HI	0 - 65535	1800K - 10000K
4		LO		
5	Green / Magenta	HI	0 - 65535 (32768 neutral)	-50% / 50%
6		LO		
7	Hue	HI	0 - 65535	0 - 100%
8		LO		
9	Crossfade (Hue/White)	HI	0 - 65535 (32768 neutral)	0 -100% / 100% - 0%
10		LO		

8.9. Personality 7: CCT HSI / 8 Bits / Multi Pixel

Slot No.	Slot Name	Pixel	DMX Value	Output Value
1	Master Brightness	All	0 - 255	0 - 100%
2	Intensity	1	0 - 255	0 - 100%
3	CCT		0 - 255	1800K - 10000K
4	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
5	Hue		0 - 255	0 -100%
6	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
7	Intensity		2	0 - 255
8	CCT	0 - 255		1800K - 10000K
9	Green / Magenta	0 - 255 (128 neutral)		-50% / 50%
10	Hue	0 - 255		0 -100%
11	Crossfade (Hue/White)	0 - 255		0 -100% / 100% - 0%
12	Intensity	3		0 - 255
13	CCT		0 - 255	1800K - 10000K
14	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
15	Hue		0 - 255	0 -100%
16	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
17	Intensity		4	0 - 255
18	CCT	0 - 255		1800K - 10000K



19	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
20	Hue		0 - 255	0 -100%
21	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
22	Intensity	5	0 - 255	0 - 100%
23	CCT		0 - 255	1800K - 10000K
24	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
25	Hue		0 - 255	0 -100%
26	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
27	Intensity	6	0 - 255	0 - 100%
28	CCT		0 - 255	1800K - 10000K
29	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
30	Hue		0 - 255	0 -100%
31	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
32	Intensity	7	0 - 255	0 - 100%
33	CCT		0 - 255	1800K - 10000K
34	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
35	Hue		0 - 255	0 -100%
36	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
37	Intensity	8	0 - 255	0 - 100%
38	CCT		0 - 255	1800K - 10000K
39	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
40	Hue		0 - 255	0 -100%
41	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
42	Intensity	9	0 - 255	0 - 100%
43	CCT		0 - 255	1800K - 10000K
44	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
45	Hue		0 - 255	0 -100%
46	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
47	Intensity	10	0 - 255	0 - 100%
48	CCT		0 - 255	1800K - 10000K



49	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
50	Hue		0 - 255	0 -100%
51	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
52	Intensity	11	0 - 255	0 - 100%
53	CCT		0 - 255	1800K - 10000K
54	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
55	Hue		0 - 255	0 -100%
56	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
57	Intensity	12	0 - 255	0 - 100%
58	CCT		0 - 255	1800K - 10000K
59	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
60	Hue		0 - 255	0 -100%
61	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
62	Intensity	13	0 - 255	0 - 100%
63	CCT		0 - 255	1800K - 10000K
64	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
65	Hue		0 - 255	0 -100%
66	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
67	Intensity	14	0 - 255	0 - 100%
68	CCT		0 - 255	1800K - 10000K
69	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
70	Hue		0 - 255	0 -100%
71	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
72	Intensity	15	0 - 255	0 - 100%
73	CCT		0 - 255	1800K - 10000K
74	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
75	Hue		0 - 255	0 -100%
76	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
77	Intensity	16	0 - 255	0 - 100%
78	CCT		0 - 255	1800K - 10000K



79	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
80	Hue		0 - 255	0 -100%
81	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
82	Intensity	17	0 - 255	0 - 100%
83	CCT		0 - 255	1800K - 10000K
84	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
85	Hue		0 - 255	0 -100%
86	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
87	Intensity	18	0 - 255	0 - 100%
88	CCT		0 - 255	1800K - 10000K
89	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
90	Hue		0 - 255	0 -100%
91	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
92	Intensity	19	0 - 255	0 - 100%
93	CCT		0 - 255	1800K - 10000K
94	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
95	Hue		0 - 255	0 -100%
96	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%

8.10. Personality 8: CCT HSI / 16 Bits / Multi Pixel

Slot No.	Slot Name	Pix.		DMX Value	Output Value	
1	Master	All	HI	0 - 65535	0 - 100%	
2			LO			
3	Intensity	1	HI	0 - 65535	0 - 100%	
4			LO			
5	CCT		HI	0 - 65535	1800K - 10000K	
6			LO			
7	Green / Magenta		HI	0 - 65535	-50% / 50%	
8			LO			
9	Hue		HI	0 - 65535	0 -100%	
10			LO			
11	Crossfade (Hue/White)		HI	0 - 65535	0 -100% / 100% - 0%	
12			LO			
13	Intensity		2	HI	0 - 65535	0 - 100%



14			LO			
15	CCT		HI	0 - 65535	1800K - 10000K	
16			LO			
17	Green / Magenta		HI	0 - 65535	-50% / 50%	
18			LO			
19	Hue		HI	0 - 65535	0 - 100%	
20			LO			
21	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%	
22			LO			
23	Intensity	3	HI	0 - 65535	0 - 100%	
24			LO			
25	CCT		HI	0 - 65535	1800K - 10000K	
26			LO			
27	Green / Magenta		HI	0 - 65535	-50% / 50%	
28			LO			
29	Hue		HI	0 - 65535	0 - 100%	
30			LO			
31	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%	
32			LO			
33	Intensity	4	HI	0 - 65535	0 - 100%	
34			LO			
35	CCT		HI	0 - 65535	1800K - 10000K	
36			LO			
37	Green / Magenta		HI	0 - 65535	-50% / 50%	
38			LO			
39	Hue		HI	0 - 65535	0 - 100%	
40			LO			
41	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%	
42			LO			
43	Intensity		5	HI	0 - 65535	0 - 100%
44				LO		
45	CCT	HI		0 - 65535	1800K - 10000K	
46		LO				
47	Green / Magenta	HI		0 - 65535	-50% / 50%	
48		LO				
49	Hue	HI		0 - 65535	0 - 100%	
50		LO				
51	Crossfade (Hue/White)	HI		0 - 65535	0 - 100% / 100% - 0%	
52		LO				
53	Intensity	6		HI	0 - 65535	0 - 100%
54				LO		
55	CCT			HI	0 - 65535	1800K - 10000K
56				LO		
57	Green / Magenta		HI	0 - 65535	-50% / 50%	
58			LO			
59	Hue		HI	0 - 65535	0 - 100%	
60			LO			



61	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%
62			LO		
63	Intensity		HI	0 - 65535	0 - 100%
64			LO		
65	CCT		HI	0 - 65535	1800K - 10000K
66			LO		
67	Green / Magenta	7	HI	0 - 65535	-50% / 50%
68			LO		
69	Hue		HI	0 - 65535	0 - 100%
70			LO		
71	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%
72			LO		
73	Intensity		HI	0 - 65535	0 - 100%
74			LO		
75	CCT		HI	0 - 65535	1800K - 10000K
76			LO		
77	Green / Magenta	8	HI	0 - 65535	-50% / 50%
78			LO		
79	Hue		HI	0 - 65535	0 - 100%
80			LO		
81	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%
82			LO		
83	Intensity		HI	0 - 65535	0 - 100%
84			LO		
85	CCT		HI	0 - 65535	1800K - 10000K
86			LO		
87	Green / Magenta	9	HI	0 - 65535	-50% / 50%
88			LO		
89	Hue		HI	0 - 65535	0 - 100%
90			LO		
91	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%
92			LO		
93	Intensity		HI	0 - 65535	0 - 100%
94			LO		
95	CCT		HI	0 - 65535	1800K - 10000K
96			LO		
97	Green / Magenta	10	HI	0 - 65535	-50% / 50%
98			LO		
99	Hue		HI	0 - 65535	0 - 100%
100			LO		
101	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%
102			LO		
103	Intensity		HI	0 - 65535	0 - 100%
104			LO		
105	CCT	11	HI	0 - 65535	1800K - 10000K
106			LO		
107	Green / Magenta		HI	0 - 65535	-50% / 50%



108			LO			
109	Hue		HI	0 - 65535	0 - 100%	
110			LO			
111	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%	
112			LO			
113	Intensity	12	HI	0 - 65535	0 - 100%	
114			LO			
115	CCT		HI	0 - 65535	1800K - 10000K	
116			LO			
117	Green / Magenta		HI	0 - 65535	-50% / 50%	
118			LO			
119	Hue		HI	0 - 65535	0 - 100%	
120			LO			
121	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%	
122			LO			
123	Intensity		13	HI	0 - 65535	0 - 100%
124				LO		
125	CCT	HI		0 - 65535	1800K - 10000K	
126		LO				
127	Green / Magenta	HI		0 - 65535	-50% / 50%	
128		LO				
129	Hue	HI		0 - 65535	0 - 100%	
130		LO				
131	Crossfade (Hue/White)	HI		0 - 65535	0 - 100% / 100% - 0%	
132		LO				
133	Intensity	14		HI	0 - 65535	0 - 100%
134				LO		
135	CCT		HI	0 - 65535	1800K - 10000K	
136			LO			
137	Green / Magenta		HI	0 - 65535	-50% / 50%	
138			LO			
139	Hue		HI	0 - 65535	0 - 100%	
140			LO			
141	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%	
142			LO			
143	Intensity		15	HI	0 - 65535	0 - 100%
144				LO		
145	CCT	HI		0 - 65535	1800K - 10000K	
146		LO				
147	Green / Magenta	HI		0 - 65535	-50% / 50%	
148		LO				
149	Hue	HI		0 - 65535	0 - 100%	
150		LO				
151	Crossfade (Hue/White)	HI		0 - 65535	0 - 100% / 100% - 0%	
152		LO				
153	Intensity	16		HI	0 - 65535	0 - 100%
154				LO		



155	CCT		HI	0 - 65535	1800K - 10000K	
156			LO			
157	Green / Magenta		HI	0 - 65535	-50% / 50%	
158			LO			
159	Hue		HI	0 - 65535	0 - 100%	
160			LO			
161	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%	
162			LO			
163	Intensity		17	HI	0 - 65535	0 - 100%
164				LO		
165	CCT			HI	0 - 65535	1800K - 10000K
166				LO		
167	Green / Magenta			HI	0 - 65535	-50% / 50%
168				LO		
169	Hue			HI	0 - 65535	0 - 100%
170				LO		
171	Crossfade (Hue/White)			HI	0 - 65535	0 - 100% / 100% - 0%
172				LO		
173	Intensity	18		HI	0 - 65535	0 - 100%
174				LO		
175	CCT			HI	0 - 65535	1800K - 10000K
176				LO		
177	Green / Magenta			HI	0 - 65535	-50% / 50%
178				LO		
179	Hue			HI	0 - 65535	0 - 100%
180				LO		
181	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%	
182			LO			
183	Intensity		19	HI	0 - 65535	0 - 100%
184				LO		
185	CCT			HI	0 - 65535	1800K - 10000K
186				LO		
187	Green / Magenta			HI	0 - 65535	-50% / 50%
188				LO		
189	Hue			HI	0 - 65535	0 - 100%
190				LO		
191	Crossfade (Hue/White)	HI		0 - 65535	0 - 100% / 100% - 0%	
192		LO				

8.11. Personality 9: CCT RGB / 8 Bits / Single Pixel

Slot No.	Slot Name	DMX Value	Output Value
1	Intensity	0 - 255	0 - 100%
2	CCT	0 - 255	1800K - 10000K



3	Green / Magenta	0 - 255 (128 neutral)	-50% / 50%
4	Crossfade (Hue/White)	0 - 255	0 -100% / 100% - 0%
5	Red	0 - 255	0 - 100%
6	Green	0 - 255	0 - 100%
7	Blue	0 - 255	0 - 100%

8.12. Personality 10: CCT RGB / 16 Bits / Single Pixel

Slot No.	Slot Name		DMX Value	Output Value
1	Intensity	HI	0 - 65535	0 - 100%
2		LO		
3	CCT	HI	0 - 65535	1800K - 10000K
4		LO		
5	Green / Magenta	HI	0 - 65535 (32768 neutral)	-50% / 50%
6		LO		
7	Crossfade (Hue/White)	HI	0 - 65535 (32768 neutral)	0 -100% / 100% - 0%
8		LO		
9	Red	HI	0 - 65535	0 - 100%
10		LO		
11	Green	HI	0 - 65535	0 - 100%
12		LO		
13	Blue	HI	0 - 65535	0 - 100%
14		LO		

8.13. Personality 11: CCT RGB / 8 Bits / Multi Pixel

Slot No.	Slot Name	Pixel	DMX Value	Output Value
1	Master Brightness	All	0 - 255	0 - 100%
2	Intensity	1	0 - 255	0 - 100%
3	CCT		0 - 255	1800K - 10000K
4	Green / Magenta		0 - 255 (128 neutral)	-50%/ 50%
5	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
6	Red		0 - 255	0 - 100%
7	Green		0 - 255	0 - 100%
8	Blue		0 - 255	0 - 100%
9	Intensity		2	0 - 255
10	CCT	0 - 255		1800K - 10000K



11	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
12	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
13	Red		0 - 255	0 - 100%
14	Green		0 - 255	0 - 100%
15	Blue		0 - 255	0 - 100%
16	Intensity	3	0 - 255	0 - 100%
17	CCT		0 - 255	1800K - 10000K
18	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
19	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
20	Red		0 - 255	0 - 100%
21	Green		0 - 255	0 - 100%
22	Blue		0 - 255	0 - 100%
23	Intensity	4	0 - 255	0 - 100%
24	CCT		0 - 255	1800K - 10000K
25	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
26	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
27	Red		0 - 255	0 - 100%
28	Green		0 - 255	0 - 100%
29	Blue		0 - 255	0 - 100%
30	Intensity	5	0 - 255	0 - 100%
31	CCT		0 - 255	1800K - 10000K
32	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
33	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
34	Red		0 - 255	0 - 100%
35	Green		0 - 255	0 - 100%
36	Blue		0 - 255	0 - 100%
37	Intensity	6	0 - 255	0 - 100%
38	CCT		0 - 255	1800K - 10000K
39	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
40	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
41	Red		0 - 255	0 - 100%
42	Green		0 - 255	0 - 100%
43	Blue		0 - 255	0 - 100%
44	Intensity	7	0 - 255	0 - 100%



45	CCT		0 - 255	1800K - 10000K
46	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
47	Crossfade (Hue/White)		0 - 255	0 - 100% / 100% - 0%
48	Red		0 - 255	0 - 100%
49	Green		0 - 255	0 - 100%
50	Blue		0 - 255	0 - 100%
51	Intensity	8	0 - 255	0 - 100%
52	CCT		0 - 255	1800K - 10000K
53	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
54	Crossfade (Hue/White)		0 - 255	0 - 100% / 100% - 0%
55	Red		0 - 255	0 - 100%
56	Green		0 - 255	0 - 100%
57	Blue		0 - 255	0 - 100%
58	Intensity	9	0 - 255	0 - 100%
59	CCT		0 - 255	1800K - 10000K
60	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
61	Crossfade (Hue/White)		0 - 255	0 - 100% / 100% - 0%
62	Red		0 - 255	0 - 100%
63	Green		0 - 255	0 - 100%
64	Blue		0 - 255	0 - 100%
65	Intensity	10	0 - 255	0 - 100%
66	CCT		0 - 255	1800K - 10000K
67	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
68	Crossfade (Hue/White)		0 - 255	0 - 100% / 100% - 0%
69	Red		0 - 255	0 - 100%
70	Green		0 - 255	0 - 100%
71	Blue		0 - 255	0 - 100%
72	Intensity	11	0 - 255	0 - 100%
73	CCT		0 - 255	1800K - 10000K
74	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
75	Crossfade (Hue/White)		0 - 255	0 - 100% / 100% - 0%
76	Red		0 - 255	0 - 100%
77	Green		0 - 255	0 - 100%



78	Blue		0 - 255	0 - 100%
79	Intensity	12	0 - 255	0 - 100%
80	CCT		0 - 255	1800K - 10000K
81	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
82	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
83	Red		0 - 255	0 - 100%
84	Green		0 - 255	0 - 100%
85	Blue		0 - 255	0 - 100%
86	Intensity	13	0 - 255	0 - 100%
87	CCT		0 - 255	1800K - 10000K
88	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
89	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
90	Red		0 - 255	0 - 100%
91	Green		0 - 255	0 - 100%
92	Blue		0 - 255	0 - 100%
93	Intensity	14	0 - 255	0 - 100%
94	CCT		0 - 255	1800K - 10000K
95	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
96	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
97	Red		0 - 255	0 - 100%
98	Green		0 - 255	0 - 100%
99	Blue		0 - 255	0 - 100%
100	Intensity	15	0 - 255	0 - 100%
101	CCT		0 - 255	1800K - 10000K
102	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
103	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%
104	Red		0 - 255	0 - 100%
105	Green		0 - 255	0 - 100%
106	Blue		0 - 255	0 - 100%
107	Intensity	16	0 - 255	0 - 100%
108	CCT		0 - 255	1800K - 10000K
109	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
110	Crossfade (Hue/White)		0 - 255	0 -100% / 100% - 0%



111	Red		0 - 255	0 - 100%
112	Green		0 - 255	0 - 100%
113	Blue		0 - 255	0 - 100%
114	Intensity	17	0 - 255	0 - 100%
115	CCT		0 - 255	1800K - 10000K
116	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
117	Crossfade (Hue/White)		0 - 255	0 - 100% / 100% - 0%
118	Red		0 - 255	0 - 100%
119	Green		0 - 255	0 - 100%
120	Blue		0 - 255	0 - 100%
121	Intensity	18	0 - 255	0 - 100%
122	CCT		0 - 255	1800K - 10000K
123	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
124	Crossfade (Hue/White)		0 - 255	0 - 100% / 100% - 0%
125	Red		0 - 255	0 - 100%
126	Green		0 - 255	0 - 100%
127	Blue		0 - 255	0 - 100%
128	Intensity	19	0 - 255	0 - 100%
129	CCT		0 - 255	1800K - 10000K
130	Green / Magenta		0 - 255 (128 neutral)	-50% / 50%
131	Crossfade (Hue/White)		0 - 255	0 - 100% / 100% - 0%
132	Red		0 - 255	0 - 100%
133	Green		0 - 255	0 - 100%
134	Blue		0 - 255	0 - 100%

8.14. **Personality 12: CCT RGB / 16 Bits / Multi Pixel**

Slot No.	Slot Name	Pixel	DMX Value	Output Value	
1	Master	All	HI	0 - 65535	0 - 100%
2			LO		
3	Intensity	1	HI	0 - 65535	0 - 100%
4			LO		
5	CCT		HI	0 - 65535	1800K - 10000K
6			LO		
7	Green / Magenta		HI	0 - 65535	-50% / 50%
8			LO		



9	Crossfade (Hue/White)	2	HI	0 - 65535	0 - 100% / 100% - 0%
10			LO		
11	Red		HI	0 - 65535	0 - 100%
12			LO		
13	Green		HI	0 - 65535	0 - 100%
14			LO		
15	Blue		HI	0 - 65535	0 - 100%
16			LO		
17	Intensity		HI	0 - 65535	0 - 100%
18			LO		
19	CCT		HI	0 - 65535	1800K - 10000K
20			LO		
21	Green / Magenta		HI	0 - 65535	-50% / 50%
22			LO		
23	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%
24			LO		
25	Red	HI	0 - 65535	0 - 100%	
26		LO			
27	Green	HI	0 - 65535	0 - 100%	
28		LO			
29	Blue	HI	0 - 65535	0 - 100%	
30		LO			
31	Intensity	HI	0 - 65535	0 - 100%	
32		LO			
33	CCT	HI	0 - 65535	1800K - 10000K	
34		LO			
35	Green / Magenta	HI	0 - 65535	-50% / 50%	
36		LO			
37	Crossfade (Hue/White)	HI	0 - 65535	0 - 100% / 100% - 0%	
38		LO			
39	Red	HI	0 - 65535	0 - 100%	
40		LO			
41	Green	HI	0 - 65535	0 - 100%	
42		LO			
43	Blue	HI	0 - 65535	0 - 100%	
44		LO			
45	Intensity	HI	0 - 65535	0 - 100%	
46		LO			
47	CCT	HI	0 - 65535	1800K - 10000K	
48		LO			
49	Green / Magenta	HI	0 - 65535	-50% / 50%	
50		LO			
51	Crossfade (Hue/White)	HI	0 - 65535	0 - 100% / 100% - 0%	
52		LO			
53	Red	HI	0 - 65535	0 - 100%	
54		LO			



55	Green	5	HI	0 - 65535	0 - 100%
56			LO		
57	Blue		HI	0 - 65535	0 - 100%
58			LO		
59	Intensity		HI	0 - 65535	0 - 100%
60			LO		
61	CCT		HI	0 - 65535	1800K - 10000K
62			LO		
63	Green / Magenta		HI	0 - 65535	-50% / 50%
64			LO		
65	Crossfade (Hue/White)		HI	0 - 65535	0 -100% / 100% - 0%
66			LO		
67	Red		HI	0 - 65535	0 - 100%
68			LO		
69	Green	HI	0 - 65535	0 - 100%	
70		LO			
71	Blue	HI	0 - 65535	0 - 100%	
72		LO			
73	Intensity	6	HI	0 - 65535	0 - 100%
74			LO		
75	CCT		HI	0 - 65535	1800K - 10000K
76			LO		
77	Green / Magenta		HI	0 - 65535	-50% / 50%
78			LO		
79	Crossfade (Hue/White)		HI	0 - 65535	0 -100% / 100% - 0%
80			LO		
81	Red		HI	0 - 65535	0 - 100%
82			LO		
83	Green		HI	0 - 65535	0 - 100%
84			LO		
85	Blue		HI	0 - 65535	0 - 100%
86			LO		
87	Intensity	7	HI	0 - 65535	0 - 100%
88			LO		
89	CCT		HI	0 - 65535	1800K - 10000K
90			LO		
91	Green / Magenta		HI	0 - 65535	-50% / 50%
92			LO		
93	Crossfade (Hue/White)		HI	0 - 65535	0 -100% / 100% - 0%
94			LO		
95	Red		HI	0 - 65535	0 - 100%
96			LO		
97	Green		HI	0 - 65535	0 - 100%
98			LO		
99	Blue		HI	0 - 65535	0 - 100%
100			LO		



101	Intensity	8	HI	0 - 65535	0 - 100%
102			LO		
103	CCT		HI	0 - 65535	1800K - 10000K
104			LO		
105	Green / Magenta		HI	0 - 65535	-50% / 50%
106			LO		
107	Crossfade (Hue/White)		HI	0 - 65535	0 -100% / 100% - 0%
108			LO		
109	Red		HI	0 - 65535	0 - 100%
110			LO		
111	Green		HI	0 - 65535	0 - 100%
112			LO		
113	Blue		HI	0 - 65535	0 - 100%
114			LO		
115	Intensity	9	HI	0 - 65535	0 - 100%
116			LO		
117	CCT		HI	0 - 65535	1800K - 10000K
118			LO		
119	Green / Magenta		HI	0 - 65535	-50% / 50%
120			LO		
121	Crossfade (Hue/White)		HI	0 - 65535	0 -100% / 100% - 0%
122			LO		
123	Red		HI	0 - 65535	0 - 100%
124			LO		
125	Green		HI	0 - 65535	0 - 100%
126			LO		
127	Blue		HI	0 - 65535	0 - 100%
128			LO		
129	Intensity	10	HI	0 - 65535	0 - 100%
130			LO		
131	CCT		HI	0 - 65535	1800K - 10000K
132			LO		
133	Green / Magenta		HI	0 - 65535	-50% / 50%
134			LO		
135	Crossfade (Hue/White)		HI	0 - 65535	0 -100% / 100% - 0%
136			LO		
137	Red		HI	0 - 65535	0 - 100%
138			LO		
139	Green		HI	0 - 65535	0 - 100%
140			LO		
141	Blue		HI	0 - 65535	0 - 100%
142			LO		
143	Intensity	11	HI	0 - 65535	0 - 100%
144			LO		
145	CCT		HI	0 - 65535	1800K - 10000K
146			LO		
147	Green / Magenta		HI	0 - 65535	-50% / 50%



148			LO		
149	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%
150			LO		
151	Red		HI	0 - 65535	0 - 100%
152			LO		
153	Green		HI	0 - 65535	0 - 100%
154			LO		
155	Blue		HI	0 - 65535	0 - 100%
156			LO		
157	Intensity	12	HI	0 - 65535	0 - 100%
158			LO		
159	CCT		HI	0 - 65535	1800K - 10000K
160			LO		
161	Green / Magenta		HI	0 - 65535	-50% / 50%
162			LO		
163	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%
164			LO		
165	Red		HI	0 - 65535	0 - 100%
166		LO			
167	Green	HI	0 - 65535	0 - 100%	
168		LO			
169	Blue	HI	0 - 65535	0 - 100%	
170		LO			
171	Intensity	13	HI	0 - 65535	0 - 100%
172			LO		
173	CCT		HI	0 - 65535	1800K - 10000K
174			LO		
175	Green / Magenta		HI	0 - 65535	-50% / 50%
176			LO		
177	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%
178			LO		
179	Red		HI	0 - 65535	0 - 100%
180			LO		
181	Green		HI	0 - 65535	0 - 100%
182			LO		
183	Blue	HI	0 - 65535	0 - 100%	
184		LO			
185	Intensity	14	HI	0 - 65535	0 - 100%
186			LO		
187	CCT		HI	0 - 65535	1800K - 10000K
188			LO		
189	Green / Magenta		HI	0 - 65535	-50% / 50%
190			LO		
191	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%
192			LO		
193	Red		HI	0 - 65535	0 - 100%
194		LO			



195	Green		HI	0 - 65535	0 - 100%
196			LO		
197	Blue		HI	0 - 65535	0 - 100%
198			LO		
199	Intensity		HI	0 - 65535	0 - 100%
200			LO		
201	CCT		HI	0 - 65535	1800K - 10000K
202			LO		
203	Green / Magenta		HI	0 - 65535	-50% / 50%
204			LO		
205	Crossfade (Hue/White)	15	HI	0 - 65535	0 - 100% / 100% - 0%
206			LO		
207	Red		HI	0 - 65535	0 - 100%
208			LO		
209	Green		HI	0 - 65535	0 - 100%
210			LO		
211	Blue		HI	0 - 65535	0 - 100%
212			LO		
213	Intensity		HI	0 - 65535	0 - 100%
214			LO		
215	CCT		HI	0 - 65535	1800K - 10000K
216			LO		
217	Green / Magenta		HI	0 - 65535	-50% / 50%
218			LO		
219	Crossfade (Hue/White)	16	HI	0 - 65535	0 - 100% / 100% - 0%
220			LO		
221	Red		HI	0 - 65535	0 - 100%
222			LO		
223	Green		HI	0 - 65535	0 - 100%
224			LO		
225	Blue		HI	0 - 65535	0 - 100%
226			LO		
227	Intensity		HI	0 - 65535	0 - 100%
228			LO		
229	CCT		HI	0 - 65535	1800K - 10000K
230			LO		
231	Green / Magenta		HI	0 - 65535	-50% / 50%
232			LO		
233	Crossfade (Hue/White)	17	HI	0 - 65535	0 - 100% / 100% - 0%
234			LO		
235	Red		HI	0 - 65535	0 - 100%
236			LO		
237	Green		HI	0 - 65535	0 - 100%
238			LO		
239	Blue		HI	0 - 65535	0 - 100%
240			LO		
241	Intensity	18	HI	0 - 65535	0 - 100%



242			LO		
243	CCT		HI	0 - 65535	1800K - 10000K
244			LO		
245	Green / Magenta		HI	0 - 65535	-50% / 50%
246			LO		
247	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%
248			LO		
249	Red		HI	0 - 65535	0 - 100%
250			LO		
251	Green		HI	0 - 65535	0 - 100%
252			LO		
253	Blue		HI	0 - 65535	0 - 100%
254			LO		
255	Intensity	19	HI	0 - 65535	0 - 100%
256			LO		
257	CCT		HI	0 - 65535	1800K - 10000K
258			LO		
259	Green / Magenta		HI	0 - 65535	-50% / 50%
260			LO		
261	Crossfade (Hue/White)		HI	0 - 65535	0 - 100% / 100% - 0%
262			LO		
263	Red		HI	0 - 65535	0 - 100%
264			LO		
265	Green		HI	0 - 65535	0 - 100%
266			LO		
267	Blue		HI	0 - 65535	0 - 100%
268			LO		

8.15. Personality 13: RGBWW / 8 Bits / Single Pixel

Slot No.	Slot Name	DMX Value	Output Value
1	Red	0 - 255	0 - 100%
2	Green	0 - 255	0 - 100%
3	Blue	0 - 255	0 - 100%
4	Warm White	0 - 255	0 - 100%
5	Cold White	0 - 255	0 - 100%

8.16. Personality 14: RGBWW / 16 Bits / Single Pixel

Slot No.	Slot Name	DMX Value	Output Value
1	Red	HI	0 - 65535
2		LO	
3	Green	HI	0 - 65535
4		LO	



5	Blue	HI	0 - 65535	0 - 100%
6		LO		
7	Warm White	HI	0 - 65535	0 - 100%
8		LO		
9	Cold White	HI	0 - 65535	0 - 100%
10		LO		

8.17. Personality 15: RGBWW / 8 Bits / Multi Pixel

Slot No.	Slot Name	Pix.	DMX Value	Output Value
1	Master Brightness	All	0 - 255	0 - 100%
2	Red	1	0 - 255	0 - 100%
3	Green		0 - 255	0 - 100%
4	Blue		0 - 255	0 - 100%
5	Warm White		0 - 255	0 - 100%
6	Cold White		0 - 255	0 - 100%
7	Red	2	0 - 255	0 - 100%
8	Green		0 - 255	0 - 100%
9	Blue		0 - 255	0 - 100%
10	Warm White		0 - 255	0 - 100%
11	Cold White		0 - 255	0 - 100%
12	Red	3	0 - 255	0 - 100%
13	Green		0 - 255	0 - 100%
14	Blue		0 - 255	0 - 100%
15	Warm White		0 - 255	0 - 100%
16	Cold White		0 - 255	0 - 100%
17	Red	4	0 - 255	0 - 100%
18	Green		0 - 255	0 - 100%
19	Blue		0 - 255	0 - 100%
20	Warm White		0 - 255	0 - 100%
21	Cold White		0 - 255	0 - 100%
22	Red	5	0 - 255	0 - 100%
23	Green		0 - 255	0 - 100%
24	Blue		0 - 255	0 - 100%
25	Warm White		0 - 255	0 - 100%
26	Cold White		0 - 255	0 - 100%
27	Red	6	0 - 255	0 - 100%
28	Green		0 - 255	0 - 100%
29	Blue		0 - 255	0 - 100%
30	Warm White		0 - 255	0 - 100%
31	Cold White		0 - 255	0 - 100%
32	Red	7	0 - 255	0 - 100%
33	Green		0 - 255	0 - 100%
34	Blue		0 - 255	0 - 100%



35	Warm White		0 - 255	0 - 100%
36	Cold White		0 - 255	0 - 100%
37	Red	8	0 - 255	0 - 100%
38	Green		0 - 255	0 - 100%
39	Blue		0 - 255	0 - 100%
40	Warm White		0 - 255	0 - 100%
41	Cold White		0 - 255	0 - 100%
42	Red	9	0 - 255	0 - 100%
43	Green		0 - 255	0 - 100%
44	Blue		0 - 255	0 - 100%
45	Warm White		0 - 255	0 - 100%
46	Cold White		0 - 255	0 - 100%
47	Red	10	0 - 255	0 - 100%
48	Green		0 - 255	0 - 100%
49	Blue		0 - 255	0 - 100%
50	Warm White		0 - 255	0 - 100%
51	Cold White		0 - 255	0 - 100%
52	Red	11	0 - 255	0 - 100%
53	Green		0 - 255	0 - 100%
54	Blue		0 - 255	0 - 100%
55	Warm White		0 - 255	0 - 100%
56	Cold White		0 - 255	0 - 100%
57	Red	12	0 - 255	0 - 100%
58	Green		0 - 255	0 - 100%
59	Blue		0 - 255	0 - 100%
60	Warm White		0 - 255	0 - 100%
61	Cold White		0 - 255	0 - 100%
62	Red	13	0 - 255	0 - 100%
63	Green		0 - 255	0 - 100%
64	Blue		0 - 255	0 - 100%
65	Warm White		0 - 255	0 - 100%
66	Cold White		0 - 255	0 - 100%
67	Red	14	0 - 255	0 - 100%
68	Green		0 - 255	0 - 100%
69	Blue		0 - 255	0 - 100%
70	Warm White		0 - 255	0 - 100%
71	Cold White		0 - 255	0 - 100%
72	Red	15	0 - 255	0 - 100%
73	Green		0 - 255	0 - 100%
74	Blue		0 - 255	0 - 100%
75	Warm White		0 - 255	0 - 100%
76	Cold White		0 - 255	0 - 100%
77	Red	16	0 - 255	0 - 100%
78	Green		0 - 255	0 - 100%
79	Blue		0 - 255	0 - 100%
80	Warm White		0 - 255	0 - 100%
81	Cold White		0 - 255	0 - 100%



82	Red	17	0 - 255	0 - 100%
83	Green		0 - 255	0 - 100%
84	Blue		0 - 255	0 - 100%
85	Warm White		0 - 255	0 - 100%
86	Cold White		0 - 255	0 - 100%
87	Red	18	0 - 255	0 - 100%
88	Green		0 - 255	0 - 100%
89	Blue		0 - 255	0 - 100%
90	Warm White		0 - 255	0 - 100%
91	Cold White		0 - 255	0 - 100%
92	Red	19	0 - 255	0 - 100%
93	Green		0 - 255	0 - 100%
94	Blue		0 - 255	0 - 100%
95	Warm White		0 - 255	0 - 100%
96	Cold White		0 - 255	0 - 100%

8.18. Personality 16: RGBWW / 16 Bits / Multi Pixel

Slot No.	Slot Name	Pix.		DMX Value	Output Value	
1	Master	All	HI	0 - 65535	0 - 100%	
2			LO			
3	Red	1	HI	0 - 65535	0 - 100%	
4			LO			
5	Green		HI	0 - 65535	0 - 100%	
6			LO			
7	Blue		HI	0 - 65535	0 - 100%	
8			LO			
9	Warm White		HI	0 - 65535	0 - 100%	
10			LO			
11	Cold White		HI	0 - 65535	0 - 100%	
12			LO			
13	Red		2	HI	0 - 65535	0 - 100%
14				LO		
15	Green	HI		0 - 65535	0 - 100%	
16		LO				
17	Blue	HI		0 - 65535	0 - 100%	
18		LO				
19	Warm White	HI		0 - 65535	0 - 100%	
20		LO				
21	Cold White	HI		0 - 65535	0 - 100%	
22		LO				
23	Red	3		HI	0 - 65535	0 - 100%
24				LO		
25	Green		HI	0 - 65535	0 - 100%	



26			LO			
27	Blue		HI	0 - 65535	0 - 100%	
28			LO			
29	Warm White		HI	0 - 65535	0 - 100%	
30			LO			
31	Cold White		HI	0 - 65535	0 - 100%	
32			LO			
33	Red	4	HI	0 - 65535	0 - 100%	
34			LO			
35	Green		HI	0 - 65535	0 - 100%	
36			LO			
37	Blue		HI	0 - 65535	0 - 100%	
38			LO			
39	Warm White		HI	0 - 65535	0 - 100%	
40			LO			
41	Cold White		HI	0 - 65535	0 - 100%	
42			LO			
43	Red		5	HI	0 - 65535	0 - 100%
44				LO		
45	Green			HI	0 - 65535	0 - 100%
46				LO		
47	Blue	HI		0 - 65535	0 - 100%	
48		LO				
49	Warm White	HI		0 - 65535	0 - 100%	
50		LO				
51	Cold White	HI		0 - 65535	0 - 100%	
52		LO				
53	Red	6		HI	0 - 65535	0 - 100%
54				LO		
55	Green			HI	0 - 65535	0 - 100%
56				LO		
57	Blue		HI	0 - 65535	0 - 100%	
58			LO			
59	Warm White		HI	0 - 65535	0 - 100%	
60			LO			
61	Cold White		HI	0 - 65535	0 - 100%	
62			LO			
63	Red		7	HI	0 - 65535	0 - 100%
64				LO		
65	Green			HI	0 - 65535	0 - 100%
66				LO		
67	Blue	HI		0 - 65535	0 - 100%	
68		LO				
69	Warm White	HI		0 - 65535	0 - 100%	
70		LO				
71	Cold White	HI		0 - 65535	0 - 100%	



72			LO			
73	Red	8	HI	0 - 65535	0 - 100%	
74			LO			
75	Green		HI	0 - 65535	0 - 100%	
76			LO			
77	Blue		HI	0 - 65535	0 - 100%	
78			LO			
79	Warm White		HI	0 - 65535	0 - 100%	
80			LO			
81	Cold White		HI	0 - 65535	0 - 100%	
82			LO			
83	Red		9	HI	0 - 65535	0 - 100%
84				LO		
85	Green	HI		0 - 65535	0 - 100%	
86		LO				
87	Blue	HI		0 - 65535	0 - 100%	
88		LO				
89	Warm White	HI		0 - 65535	0 - 100%	
90		LO				
91	Cold White	HI		0 - 65535	0 - 100%	
92		LO				
93	Red	10		HI	0 - 65535	0 - 100%
94				LO		
95	Green		HI	0 - 65535	0 - 100%	
96			LO			
97	Blue		HI	0 - 65535	0 - 100%	
98			LO			
99	Warm White		HI	0 - 65535	0 - 100%	
100			LO			
101	Cold White		HI	0 - 65535	0 - 100%	
102			LO			
103	Red		11	HI	0 - 65535	0 - 100%
104				LO		
105	Green	HI		0 - 65535	0 - 100%	
106		LO				
107	Blue	HI		0 - 65535	0 - 100%	
108		LO				
109	Warm White	HI		0 - 65535	0 - 100%	
110		LO				
111	Cold White	HI		0 - 65535	0 - 100%	
112		LO				
113	Red	12		HI	0 - 65535	0 - 100%
114				LO		
115	Green		HI	0 - 65535	0 - 100%	
116			LO			
117	Blue		HI	0 - 65535	0 - 100%	



118			LO			
119	Warm White		HI	0 - 65535	0 - 100%	
120			LO			
121	Cold White		HI	0 - 65535	0 - 100%	
122			LO			
123	Red	13	HI	0 - 65535	0 - 100%	
124			LO			
125	Green		HI	0 - 65535	0 - 100%	
126			LO			
127	Blue		HI	0 - 65535	0 - 100%	
128			LO			
129	Warm White		HI	0 - 65535	0 - 100%	
130			LO			
131	Cold White		HI	0 - 65535	0 - 100%	
132			LO			
133	Red		14	HI	0 - 65535	0 - 100%
134				LO		
135	Green			HI	0 - 65535	0 - 100%
136				LO		
137	Blue	HI		0 - 65535	0 - 100%	
138		LO				
139	Warm White	HI		0 - 65535	0 - 100%	
140		LO				
141	Cold White	HI		0 - 65535	0 - 100%	
142		LO				
143	Red	15		HI	0 - 65535	0 - 100%
144				LO		
145	Green			HI	0 - 65535	0 - 100%
146				LO		
147	Blue		HI	0 - 65535	0 - 100%	
148			LO			
149	Warm White		HI	0 - 65535	0 - 100%	
150			LO			
151	Cold White		HI	0 - 65535	0 - 100%	
152			LO			
153	Red		16	HI	0 - 65535	0 - 100%
154				LO		
155	Green			HI	0 - 65535	0 - 100%
156				LO		
157	Blue	HI		0 - 65535	0 - 100%	
158		LO				
159	Warm White	HI		0 - 65535	0 - 100%	
160		LO				
161	Cold White	HI		0 - 65535	0 - 100%	
162		LO				
163	Red	17		HI	0 - 65535	0 - 100%



164			LO			
165	Green		HI	0 - 65535	0 - 100%	
166			LO			
167	Blue		HI	0 - 65535	0 - 100%	
168			LO			
169	Warm White		HI	0 - 65535	0 - 100%	
170			LO			
171	Cold White		HI	0 - 65535	0 - 100%	
172			LO			
173	Red		HI	0 - 65535	0 - 100%	
174			LO			
175	Green	18	HI	0 - 65535	0 - 100%	
176			LO			
177	Blue		HI	0 - 65535	0 - 100%	
178			LO			
179	Warm White		HI	0 - 65535	0 - 100%	
180			LO			
181	Cold White		HI	0 - 65535	0 - 100%	
182			LO			
183	Red		19	HI	0 - 65535	0 - 100%
184				LO		
185	Green	HI		0 - 65535	0 - 100%	
186		LO				
187	Blue	HI		0 - 65535	0 - 100%	
188		LO				
189	Warm White	HI		0 - 65535	0 - 100%	
190		LO				
191	Cold White	HI		0 - 65535	0 - 100%	
192		LO				



SUMOMAX USER MANUAL // FIRMWARE VERSION 1.0.7. // 2023-05



SUMOLIGHT

SUMOLIGHT.COM

**CORPORATE HQ
BERLIN**

SUMOLIGHT GmbH
Colditzstr. 33
12099 Berlin
DE

+49 30 3389 2985
sales@sumolight.com

**US HQ
LOS ANGELES**

SUMOLIGHT US Inc
25570 Rye Canyon Road, Unit D
Santa Clarita, CA 91355
USA

+1 310 729 5339
us@sumolight.com

**UK HQ & SHOWROOM
LONDON**

SUMOLIGHT UK Ltd.
Elstree Film Studios, Unit 3,
Borehamwood, WD6 1JG
UK

+44 20 4532 3409
uk@sumolight.com