

Strand

AURORA LED STRIP

12 CELL

USER MANUAL

1 DESCRIPTION

FEATURES

- **High output LED Strip with 4- and 12-cell versions** modern theatrical strip with quality you can trust.
- High CRI RGBALC Color System with SmartColor Control wide range of vivid color options that can be programmed using CYM
- Independent color mixing and temperature controls match color pallet to color temperature without manual adjustment for simpler programming
- Pixel control of each cell easily create split colors or gradients
- Fanless design perfect for use in quiet environments
- Adjustable frequency to exceed camera frame rates camera friendly fixtures for IMAG, event recordings, or TV and film applications
- Adjustable beam angle optional lens accessory kit offers wider and shaped beams

Download the product datasheet from the Strand website at **www.strandlighting.com** for the full technical specifications.

COMPONENTS

The document provides installation and operation instructions for the following products:

Strand Aurora LED Strip 12 Cell

Read all instructions before installing or using this product. Retain this manual for future reference. Additional product information and descriptions may be found on the product specification sheet.

INCLUDED ITEMS

Each Strand Aurora LED Strip luminaire includes the following items:

- Strand Aurora LED Strip 12 Cell
- · Quick Start Guide

2 INSTALLATION

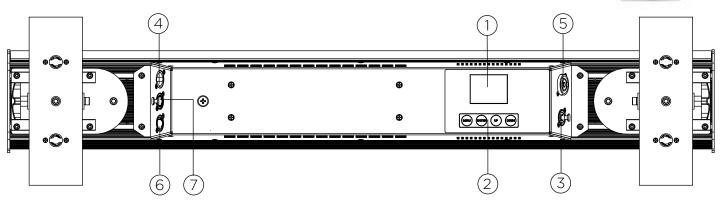
MOUNTING

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. When installing the fixture, always use a safety cable that is certified to hold up to 12 times the fixture's own weight.

The luminaire must be installed by qualified professionals.

SET UP

CONTROL PANEL



- 1) **LCD DISPLAY.** Shows the menu and selected function buttons.
- (2) BUTTONS.

Menu. To select programming functions. **Down.** To go backward in the selected functions.

Up. To go forward in the selected functions.

Enter. To confirm the selected functions.

- 3 **DMX IN.** 5-pin XLR cable to link DMX console.
- (4) **DMX OUT.** 5-pin XLR cable to to the next unit.
- (5) **POWER IN.** Connects to power supply.
- (6) **POWER OUT.** Connects to next fixture.
- (7) **Artnet/sACN.** RJ45 connector to link Artnet/sACN from source.

MAIN FUNCTIONS

Press the MENU button to Choose any functions, until the required function is shown in the display. Choose the desired function by pressing ENTER, which will cause the display to blink. Use the UP and DOWN button to change the mode. Once the required mode has been Selected, press the ENTER button to accept the Selection, otherwise after a period of one minute wait, the the menu will return automatically to the main functions, without any changes having been made. Return to the main functions without making any changes by pressing the MENU button. The main functions are shown in **TABLE 1**.



TABLE 1. MENU FUNCTIONS

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	DEFAULT
Address	001~512	(Default 001)				
		LED Hours	XXXXXX h			
		Reset LED Hour	Are you sure?			
			Square Curve			(Default)
		Dimming Curve	S Curve			
			Linear Curve			
		Tungsten Fade	On			
		rungsten Fade	Off			(Default
		Dim Snap	On (Fast)			
		Біііі Зііар	Off (Slow)			(Default)
			1200Hz			(Default)
	LED		2500Hz			
	LED	LED Frequency	5000Hz			
		LLD Frequency	10000Hz			
			20000Hz			
			25000Hz			
		White Balance	Red	125 - 255		Default 255
			Green	125 - 255		Default 255
Configure			Blue	125 - 255		Default 255
			Amber	125 - 255		Default 255
			Lime	125 - 255		Default 255
			Cyan	125 - 255		Default 255
			Reset	YES/NO		
	Color Cal	On				
	Color Cai	Off				(Default)
		30 Sec				(Default)
	Disp Timeout	5 Min				
	Disp Timeout	10 Min				
		On				
	Reset to Factory Defaults					
		DMX Only				
	Choose Signal	Art-Net				
		SACN				
		Set Universe	000~255			(Default 000
	Set Artnet/ SACN	Ethernet IP	XXX. XXX. XXX. XXX			
	5, (5) (Ether Mask IP	XXX. XXX. XXX. XXX			



TABLE 1. MENU FUNCTIONS

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	DEFAULT
	Address	001~512				
		SSCC				(Default)
	DMX Mode	SQCC				
		SOCC				
		Group 1				(Default)
	Pixel Group	Group 3				
XMC		Group 12				
	Cell Direction	Normal				(Default)
	Cell Direction	Flipped				
		Ch 1 - Intensity XXX (Value)				
	Data	Ch 2 - Intensity Fine XXX (Value)				
		All functions				
	UID Number	RDM UID number				
	Status	(No Errors or displays a list of errors)				
	Reboot Fixture	Are you sure?				
ixture	Version	VXXX	MM/DD/YY	HH:MM		
	Fixture Hours	XXXXXX h				
	Crossload (Software)	Send				
	Service	Diagnostics	Board Check			
	Red	0 - 255			(Default 0)	
	Green	0 - 255			(Default 0)	
	Blue	0 - 255			(Default 0)	
Manual Control	Amber	0 - 255			(Default 0)	
	Lime	0 - 255			(Default 0)	
	Cyan	0 - 255			(Default 0)	
		Choose preset		1 to 20		
	Preset Run	Intensity		0 - 255		
				Intensity*	0 - 255	
				Red	0 - 255	
				Green	0 - 255	
Color Preset				Blue	0 - 255	
	Edit Programs			Amber	0 - 255	
				Lime	0 - 255	
				Cyan	0 - 255	
				Store	YES/NO	
				Clear	YES/NO	



ADDRESS MENU

Address — Choose DMX Address, press the ENTER button to confirm. Use the UP/DOWN button to adjust the address from 001 to max, press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

CONFIGURE MENU

Choose Configure, press the ENTER button to confirm, use the UP/DOWN button to Choose LED, Color Cal, Disp Timeout, Choose Signal and Set Artnet / SACN.

LED

Choose LED, press the ENTER button to confirm. Use the UP/DOWN button to Choose LED Hours, Reset LED Hour, Dimming Curve, Tungsten Fade, Dim Snap, LED Frequency and White Balance. Press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

LED Hours — Choose LED Hours, press the ENTER button to confirm, LED Hours will show on the displayPress the MENU button to return to previous menu.

Reset LED Hours — Choose Reset LED Hours, press the ENTER button to confirm, "Are you sure" will show on the display. Press the MENU button to return to previous menu.

Dimming Curve — To Choose Dimming Curve, press the ENTER button to confirm. Use the UP/DOWN button to Choose Square Law Curve, S Law Curve or Linear Law Curve, press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

Tungsten Fade — Choose Tungsten Fade, press the ENTER button to confirm, Use the UP/DOWN button to Choose ON or OFF; press ENTER to store. Press the MENU button to return to previous menu.

Dim Snap — Choose Dim Snap, press the ENTER button to confirm, Use the UP/DOWN button to Choose ON or OFF. Press the MENU button to return to previous menu.

LED Frequency — Choose LED Frequency, press the ENTER button to confirm. Use the UP/DOWN button to Choose 1200Hz, 2500Hz, 5000Hz, 10000Hz, 20000Hz, 25000Hz, press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

White Balance — Choose White Balance; press the ENTER button to confirm. Use the UP/DOWN button to select Red, Green, Blue, Amber, Lime, Cyan and RESET; press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

Color Cal

Choose Color Cal, press the ENTER button to confirm. Use the UP/DOWN button to Choose ON or OFF. Press the MENU button to return to previous menu.

Disp Timeout

Choose Disp Timeout, press the ENTER button to confirm. Use the UP/DOWN button to Choose 30 Sec, 5min, 10 min or ONPress the MENU button to return to previous menu.

Choose Signal

Choose Signal, press the ENTER button to confirm. Use the UP/DOWN button to Choose DMX Only, ArtNet or sACN. Press the MENU button to return to previous menu.

DMX MFNU

Choose DMX, press the ENTER button to confirm, use the UP/DOWN button to Choose Address, DMX Mode, Pixel Group, Cell Direction or Data.

Address — Choose Address, press the ENTER button to confirm. Use the UP/DOWN button to Choose from 001 to 512. press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

DMX Mode — Choose DMX Mode, press the ENTER button to confirm. Use the UP/DOWN button to Choose SSCC, SQCC or SOCC, press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

Pixel Group — Choose Pixel Group, press the ENTER button to confirm. Use the UP/DOWN button to Choose Group 1, 4, or 12, press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

Cell Direction — Choose Cell Direction, press the ENTER button to confirm. Use the UP/DOWN button to Choose Normal or Flipped, press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.



Data — Choose Data, press the ENTER button to confirm. Use the UP/DOWN button to Choose Ch1 – Intensity xxx(value), Ch2 – Intensity Fine xxx(Value), All functions, press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

FIXTURE MENU

Choose Fixture, press the ENTER button to confirm, use the UP/DOWN button to Choose Status, Reboot fixture, Version, Fixture Hours, Crossload (Software), Service. Press the ENTER button to select.

Status

Choose Status, press the ENTER button to confirm, Status will show on the displayPress the MENU button to return to previous menu.

Reboot Fixture

Choose Reboot Fixture, press the ENTER button to confirm, Are you sure? will show on the display, press the ENTER button to confirm.

Version

Choose Version, press the ENTER button to confirm, Version will show on the display. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

Fixture Hours

Choose Fixture Hours, press the ENTER button to confirm, Fixture Hours will show on the display. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

Crossload (Software)

Choose Crossload (Software), press the ENTER button to confirm, Send will show on the display. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

NOTE: Incoming DMX must be removed from the fixture or software crossload will not be activated.

Service

Choose Service, press the ENTER button to confirm. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

Diagnostics — Choose Diagnostics, press the ENTER button to confirm. Use the UP/DOWN button to Choose Board Check. Press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

MANUAL CONTROL MENU

Choose Manual Control, press the ENTER button to confirm, use the UP/DOWN button to Choose Red, Green, Blue, Amber, Lime and Cyan. Use the UP/DOWN button to adjust the value from 0 to 255, press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

COLOR PRESET MENU

Preset Run

Enter Color Preset mode, Choose Preset Run, press the ENTER button to confirm, use the UP/DOWN button to Choose "Choose Preset" or Intensity.

Edit Programs

Enter menu mode, choose Edit Programs, press the ENTER button to confirm, MODE will show up, use the UP/DOWN button to Choose Intensity, Red, Green, Blue, Amber, Lime, Cyan, Store or Clear. Use the UP/DOWN button to adjust the value from 0 to 100%. Press the ENTER button to confirm. Press the MENU button back to the last menu or let the unit idle one minute to exit.



3 DMX MAPPING

The fixture can be operated by a DMX controller. The following tables assumes a DMX start address of 1. When a different starting address is used, this address assumes the channel 1 function and other functions follow in sequence.

TABLE 2. SSCC MODE

DMX				
CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
1	Intensity (High)	_		16-bit Intensity (Dimmer) Control
2	Intensity (Low)	0	0 - 65535	0 - 100% Output Cell 1 in multi cell groups
			0 - 255	Strobe Control
			0 - 9	No Strobe Function - Shutter open
			10 - 99	Strobe S>>>>F
3	Strobe	0	100 - 109	No Strobe Function - Shutter open
			110 - 179	Lighting Strobe S>>>>F
			180 - 189	No Strobe Function - Shutter open
			190 - 255	Random Strobe S>>>>F
			0 - 255	Calibrated color presets 01 to 33 User definable color preset 01 to 20
			0 - 10	Channel OFF Color Mixing takes priority
			11 - 14	Moroccan Pink
			15 - 18	Pink
			19 - 22	Flesh Pink
			23 - 26	Bright Rose
			27 - 30	Follies Pink
			31 - 34	Fuchsia Pink
			35 - 38	Surprise Pink
			39 - 42	Congo Blue
			43 - 46	Blue
			47 - 50	Virgin Blue
			51 - 54	Midnight Maya
4	Cala Danas	_	55 - 58	Double C.T Blue
4	Color Preset	0	59 - 62	Slate Blue
			63 - 66	Regal Blue
			67 - 70	Full C.T Blue
			71 - 74	Steel Blue
			75 - 78	Lighter Blue
			79 - 82	Cyan
			83 - 86	Marine Blue
		87 - 90	Soft Green	
			91 - 94	Moss Green
			95 - 98	Green
			99 - 102	Fem Green
			103 - 106	JAS Green
			107 - 110	Pale Green
			111 - 114	Spring Yellow
			115 - 118	Yellow



TABLE 2. SSCC MODE

TABLE 2. S	SCC MODE			
DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
			119 - 122	Deep Amber
			123 - 126	Chrome Orange
			127 - 130	Orange
			131 - 134	Magenta
			135 - 138	Flame Red
			139 - 142	Purple
			143 - 146	User Preset 1
			147 - 150	User Preset 2
			151 - 154	User Preset 3
			155 - 158	User Preset 4
			159 - 162	User Preset 5
			163 - 166	User Preset 6
			167 - 170	User Preset 7
4	Color Preset continued	0	171 - 174	User Preset 8
	Continued		175 - 178	User Preset 9
			179 - 182	User Preset 10
			183 - 186	User Preset 11
			187 - 190	User Preset 12
			191 - 194	User Preset 13
			195 - 198	User Preset 14
			199 - 202	User Preset 15
			203 - 206	User Preset 16
			207 - 210	User Preset 17
			211 - 214	User Preset 18
			215 - 218	User Preset 19
			219 - 222	User Preset 20
			223 - 255	Channel OFF Color Mixing takes priority
			0 - 255	Control Channel used for full fixture settings, lamp controls, and miscellaneous modes. Set discrete value of desired effect, wait >3 seconds, then set value to 0 (Idle). **Function does not require 3 Second rule to active, setting output to value will automatically activate function
			0	Idle (Default)
			6 - 10	Full Luminaire ReCal - Also used to wake the fixture up from shutdown.
			11 - 15	Fixture Shutdown
			16 - 20	Reserved Values
			21 - 25	Display - Menu ON
5	Control Channel	0	26 - 30	Display - Menu OFF
			31 - 35	Tungsten Dimming On**
			36 - 40	Tungsten Dimming Off (Default)**
			41 - 45	Dimming Curve Linear**
			46 - 50	Dimming Curve S-Curve**
			51 - 55	Dimming Curve Square Law (Default)**
			56 - 60	Reserved
			61 - 65	Dimmer Snap On**
			66 - 70	Dimmer Snap Off (Default)**
			71 - 90	Reserved



TABLE 2. SSCC MODE

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
			91 - 95	Color Calibration on
			96 - 100	Color Calibration off (Default)
			101 - 150	Reserved Values
	Cantual Channal		151 - 155	Record User Color Preset**
5	Control Channel (continued)	0	156 - 160	Cell Normal
	(1111)		161 - 165	Cell Flipped
			166 - 170	Reserved
			171 - 175	Reset fixture to default
			176 - 255	Reserved
6	Cyan (High)	0	0 05575	Cyan Color Level Control 0 - 100% Saturation
7	Cyan (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum
8	Yellow (High)			Yellow Color Level Control 0 - 100% Saturation
9	Yellow (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum
10	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation
11	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum
			0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. the channel should be mapped in such a way that the channel runs are variable from 0 - 250.
			0	1800K
			25	2700K
			50	3000K
12	СТО	75	75	3200K (Default)
			100	4000K
			125	4500K
			150	5000K
			175	5600K
			200	6500K
			225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K
	SSCO	C Mode - 4 Cell S	Selected (4 Group	os of 3) - Additional Channels Added
6	Cyan (High)	6	0 0	Cyan Color Level Control 0 - 100% Saturation
7	Cyan (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum
8	Yellow (High)	0		Yellow Color Level Control 0 - 100% Saturation
9	Yellow (Low)		0 0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum
10	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation
11	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum



TABLE 2. SSCC MODE

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
			0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250.
			0	1800K
			25	2700K
			50	3000K
12	СТО	75	75	3200K (Default)
.2	010	, 5	100	4000K
			125	4500K
			150	5000K
			175	5600K
			200	6500K
			225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K
			Cel	12
13	Intensity (High)	0	0 05575	16-bit Intensity (Dimmer) Control
14	Intensity (Low)		0 - 65535	0 - 100% Output
15	Cyan (High)	0	0 - 65535	Cyan Color Level Control 0 - 100% Saturation
16	Cyan (Low)			The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum
17	Yellow (High)			Yellow Color Level Control 0 - 100% Saturation
18	Yellow (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum
19	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation
20	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum
			0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250.
21	СТО	75	0	1800K
			25	2700K
			50	3000K
			75	3200K (Default)
			100	4000K
			125	4500K
			150	5000K
			175	5600K
21	CTO continued	0	200	6500K
∠1	CTO continued	U	225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K



TABLE 2. SSCC MODE

Intensity (Fligh)	TABLE 2. S	TABLE 2. SSCC MODE					
22		PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION		
23				Cel	13		
24			0	0 - 65535			
25	24	•			Cyan Color Level Control 0 - 100% Saturation		
Yellow (High)			Ο	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color		
27	26	Yellow (High)					
Magenta (High)			0	0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed		
29 Magenta (Low 0 0 - 65535 The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum	28	Magenta (High)					
A			Ο	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed		
25 2700K				0 - 250	independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable		
SO 3000K T S 3200K (Default) S 320K (Default)				0	1800K		
To				25	2700K		
100				50	3000K		
100	70	CTO	75	75	3200K (Default)		
150 5000K 175 5600K 200 6500K 200 6500K 225 8000K 250 10000K 250 - 255 Reserved Hold 10000K 250 - 250 16-bit Intensity (Dimmer) Control 0 - 100% Output Cyan Color Level Control 0 - 100% Saturation 0 - 65535 76 200	30	CIO	/5	100			
175 5600K 200 6500K 225 8000K 225 8000K 250 10000K 250 250 250 10000K 250 255 Reserved Hold 10000K 250 250 250 250 250 250 250 250 250 255 Reserved Hold 10000K 250							
175 5600K 200 6500K 225 8000K 225 8000K 250 10000K 250 250 250 10000K 250 255 Reserved Hold 10000K 250 250 250 250 250 250 250 250 250 255 Reserved Hold 10000K 250							
225 8000K 250 10000K 250 - 255 Reserved Hold 10000K 250 - 250 Reserved							
225 8000K 250 10000K 250 - 255 Reserved Hold 10000K 250 - 250 Reserved				200	6500K		
250 10000K 250 - 255 Reserved Hold 10000K 250 - 250 Reserved Hold 10000K 26 - 250 Reserved Hold 10000K 250 - 250 Reserved Hold 10000K 26 - 250 Reserved Hold 10000K							
250 - 255 Reserved Hold 10000K							
16-bit Intensity (Dimmer) Control				250 - 255	Reserved Hold 10000K		
Section Sect				Cel	1 4		
Section Sect	31	Intensity (High)					
Cyan (High) Cyan (Low) O - 65535 Cyan (Low) O - 65535 Yellow (High) Yellow (Low) O - 65535 Magenta (High) Magenta (Low) O - 65535 O - 250 O - 250	32		0		,		
The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum Yellow (High) Yellow (Low) Magenta (High) Magenta (Low) O - 65535 The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum Magenta Color Level Control O - 100% Saturation The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum Magenta Color Level Control O - 100% Saturation The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250 O 1800K 25 2700K 50 3000K		* 1			·		
The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum Magenta (High) Magenta (Low O - 65535 Magenta (Low O - 65535 The 6 color Level Control 0 - 100% Saturation The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250 O 1800K 25 2700K 50 3000K			0	0 - 65535			
36 Yellow (Low) 37 Magenta (High) 38 Magenta (Low) O - 65535 Magenta (Low) O - 65535 O - 250 O	35	Yellow (High)			Yellow Color Level Control 0 - 100% Saturation		
Magenta (Low 0 - 65535 The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250 O 1800K 25 2700K 50 3000K	36	Yellow (Low)	0	0 - 65535	,		
38 Magenta (Low Color points of fully available color spectrum Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250 O 1800K 25 2700K 50 3000K	37	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation		
works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250 0 1800K 25 2700K 50 3000K	38	Magenta (Low	0	0 - 65535			
0 1800K 25 2700K 50 3000K	39	70 070		0 - 250	works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs		
50 3000K			- -	0	1800K		
				25	2700K		
75 3200K (Default)				50	3000K		
				75	3200K (Default)		



TABLE 2. SSCC MODE

TABLE 2. S	SSCC MODE			
DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
			100	4000K
			125	4500K
			150	5000K
39	CTO (continued)	75	175	5600K
39	CTO (continued)	75	200	6500K
			225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K
		SSCC Mode -	12 Cell Selected	- Additional Channels Added
6	Cyan (High)			Cyan Color Level Control 0 - 100% Saturation
7	Cyan (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum.
8	Yellow (High)			Yellow Color Level Control 0 - 100% Saturation
9	Yellow (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum.
10	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation
11	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum.
			0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250.
			0	1800K
			25	2700K
			50	3000K
12	СТО	75	75	3200K (Default)
			100	4000K
			125	4500K
			150	5000K
			175	5600K
			200	6500K
			225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K
			Cell	2
13	Intensity (High)	0	0 65575	16-bit Intensity (Dimmer) Control
14	Intensity (Low)	0	0 - 65535	0 - 100% Output
15	Cyan (High)			Cyan Color Level Control 0 - 100% Saturation
16	Cyan (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum.
17	Yellow (High)			Yellow Color Level Control 0 - 100% Saturation
18	Yellow (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum.
19	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation
20	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum.



TABLE 2. SSCC MODE

TABLE 2. S	SSCC MODE			
DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
			0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250.
			0	1800K
			25	2700K
			50	3000K
21	СТО	75	75	3200K (Default)
	0.0	. 0	100	4000K
			125	4500K
			150	5000K
			175	5600K
			200	6500K
			225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K
			Cel	13
22	Intensity (High)	0	0 0 - 65535	16-bit Intensity (Dimmer) Control
23	Intensity (Low)			0 - 100% Output
24	Cyan (High)			Cyan Color Level Control 0 - 100% Saturation
25	Cyan (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum.
26	Yellow (High)			Yellow Color Level Control 0 - 100% Saturation
27	Yellow (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum.
28	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation
29	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum.
			0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250.
30	СТО	75	0	1800K
			25	2700K
			50	3000K
			75	3200K (Default)
			100	4000K
			125	4500K
30	СТО	75	150	5000K
			175	5600K
			200	6500K
			225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K
			Cel	14
31 32	Intensity (High) Intensity (Low)	0	0 - 65535	16-bit Intensity (Dimmer) Control 0 - 100% Output
	medially (LOW)			3 .33.7 Galpat



TABLE 2. SSCC MODE

TABLE 2. S	SCC MODE			
DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
33	Cyan (High)			Cyan Color Level Control 0 - 100% Saturation
34	Cyan (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum.
35	Yellow (High)			Yellow Color Level Control 0 - 100% Saturation
36	Yellow (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum.
37	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation
38	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum.
39	СТО	75	0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250.
			0	1800K
			25	2700K
			50	3000K
			75	3200K (Default)
			100	4000K
			125	4500K
			150	5000K
			175	5600K
			200	6500K
			225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K
			Cel	15
40	Intensity (High)		0 - 65535	16-bit Intensity (Dimmer) Control
41	Intensity (Low)	0		0 - 100% Output
42	Cyan (High)			Cyan Color Level Control 0 - 100% Saturation
43	Cyan (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum.
44	Yellow (High)			Yellow Color Level Control 0 - 100% Saturation
45	Yellow (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum.
46	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation
47	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum.
	48 CTO		0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250.
48		75	0	1800K
		-	25	2700K
			50	3000K
			75	3200K (Default)
			100	4000K
			125	4500K



TABLE 2. SSCC MODE

TABLE 2. S	SCC MODE			
DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
			150	5000K
			175	5600K
48	CTO (continued)	75	200	6500K
48	CTO (continued)	/5	225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K
			Cel	16
49	Intensity (High)	0	0 - 65535	16-bit Intensity (Dimmer) Control
50	Intensity (Low)	U	0 - 65555	0 - 100% Output
51	Cyan (High)			Cyan Color Level Control 0 - 100% Saturation
52	Cyan (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum.
53	Yellow (High)			Yellow Color Level Control 0 - 100% Saturation
54	Yellow (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum.
55	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation
56	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum.
57	СТО	75	0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250.
			0	1800K
			25	2700K
			50	3000K
			75	3200K (Default)
			100	4000K
			125	4500K
			150	5000K
			175	5600K
			200	6500K
			225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K
			Cel	17
58	Intensity (High)	0	0 - 65535	16-bit Intensity (Dimmer) Control
59	Intensity (Low)		0 - 05555	0 - 100% Output
60	Cyan (High)			Cyan Color Level Control 0 - 100% Saturation
61	Cyan (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum
61	Yellow (High)			Yellow Color Level Control 0 - 100% Saturation
63	Yellow (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum
64	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation
65	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available spectrum



TABLE 2. SSCC MODE

DMX	SSCC MODE			
CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
			0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250.
			0	1800K
			25	2700K
			50	3000K
66	СТО	75	75	3200K (Default)
00	CIO	75	100	4000K
			125	4500K
			150	5000K
			175	5600K
			200	6500K
			225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K
			Cel	18
67	Intensity (High)	0	0 05575	16-bit Intensity (Dimmer) Control
68	Intensity (Low)		0 - 65535	0 - 100% Output
69	Cyan (High)			Cyan Color Level Control 0 - 100% Saturation
70	Cyan (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available spectrum
71	Yellow (High)			Yellow Color Level Control 0 - 100% Saturation
72	Yellow (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available spectrum
73	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation
74	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available spectrum
			0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250.
			0	1800K
			25	2700K
			50	3000K
75	СТО	75	75	3200K (Default)
			100	4000K
			125	4500K
			150	5000K
			175	5600K
			200	6500K
			225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K
			Cel	19
76	Intensity (High)	_		16-bit Intensity (Dimmer) Control
77	Intensity (Low)	0	0 - 65535	0 - 100% Output
	, , ,		1	· ·



TABLE 2. SSCC MODE

TABLE 2. SSCC MODE					
DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION	
78	Cyan (High)			Cyan Color Level Control 0 - 100% Saturation	
79	Cyan (Low)	Ο	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum	
80	Yellow (High)	0		Yellow Color Level Control 0 - 100% Saturation	
81	Yellow (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum	
82	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation	
83	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum	
			0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250.	
			0	1800K	
			25	2700K	
			50	3000K	
84	СТО	75	75	3200K (Default)	
04	610	,3	100	4000K	
			125	4500K	
			150	5000K	
			175	5600K	
			200	6500K	
			225	8000K	
			250	10000K	
			250 - 255	Reserved Hold 10000K	
			Cell	10	
85	Intensity (High)	_		16-bit Intensity (Dimmer) Control	
86	Intensity (Low)	0	0 - 65535	0 - 100% Output	
87	Cyan (High)			Cyan Color Level Control 0 - 100% Saturation	
88	Cyan (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum	
89	Yellow (High)			Yellow Color Level Control 0 - 100% Saturation	
90	Yellow (Low)	Ο	0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum	
91	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation	
92	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum	
			0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250.	
0-	070	 -	0	1800K	
93	СТО	75	25	2700K	
			50	3000K	
			75	3200K (Default)	
			100	4000K	
			125	4500K	
			150	5000K	



TABLE 2. SSCC MODE

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
			175	5600K
			200	6500K
93	93 CTO (continued)	75	225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K
			Cel	111
94	Intensity (High)	0	0 65575	16-bit Intensity (Dimmer) Control
95	Intensity (Low)	U	0 - 65535	0 - 100% Output
96	Cyan (High)			Cyan Color Level Control 0 - 100% Saturation
97	Cyan (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum
98	Yellow (High)			Yellow Color Level Control 0 - 100% Saturation
99	Yellow (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum
100	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation
101	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum
			0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250.
			0	1800K
			25	2700K
			50	3000K
102	СТО	75	75	3200K (Default)
			100	4000K
			125	4500K
			150	5000K
			175	5600K
			200	6500K
			225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K
			Cell	12
103	Intensity (High)	0	0 - 65535	16-bit Intensity (Dimmer) Control
104	Intensity (Low)			0 - 100% Output
105	Cyan (High)		0 0	Cyan Color Level Control 0 - 100% Saturation
106	Cyan (Low)	0	0 - 65535	The 6 color LED array auto-adjusts to meet Cyan / mixed color points of fully available color spectrum
107	Yellow (High)	0		Yellow Color Level Control 0 - 100% Saturation
108	Yellow (Low)		0 - 65535	The 6 color LED array auto-adjusts to meet Yellow / mixed color points of fully available color spectrum
109	Magenta (High)			Magenta Color Level Control 0 - 100% Saturation
110	Magenta (Low	0	0 - 65535	The 6 color LED array auto-adjusts to meet Magenta / mixed color points of fully available color spectrum



TABLE 2. SSCC MODE

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
			0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. Values stated below are for guidance only. The channel should be mapped in such a way, that the channel level runs are variable from 0 - 250.
			0	1800K
111 CT			25	2700K
		75	50	3000K
	СТО		75	3200K (Default)
			100	4000K
			125	4500K
			150	5000K
			175	5600K
			200	6500K
			225	8000K
			250	10000K
			250 - 255	Reserved Hold 10000K

TABLE 3. SQCC MODE

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
1	Intensity (High)	0	0 - 65535	16-bit Intensity (Dimmer) Control
2	Intensity (Low)	O	0 - 65555	0 - 100% Output
			0 - 255	Strobe Control
			0 - 9	No Strobe Function - Shutter open
			10 - 99	Strobe S>>>>F
3	Strobe	0	100 - 109	No Strobe Function - Shutter open
			110 - 179	Lighting Strobe S>>>>F
			180 - 189	No Strobe Function - Shutter open
			190 - 255	Random Strobe S>>>>F
			0 - 255	Calibrated color presets 01 to 33 User definable color preset 01 to 20
			0 - 10	Channel OFF Color Mixing takes priority
		0	11 - 14	Moroccan Pink
			15 - 18	Pink
			19 - 22	Flesh Pink
			23 - 26	Bright Rose
			27 - 30	Follies Pink
_			31 - 34	Fuchsia Pink
4	Color Preset		35 - 38	Surprise Pink
			39 - 42	Congo Blue
			43 - 46	Blue
			47 - 50	Virgin Blue
			51 - 54	Midnight Maya
			55 - 58	Double C.T Blue
			59 - 62	Slate Blue
			63 - 66	Regal Blue
			67 - 70	Full C.T Blue



TABLE 3. SQCC MODE

The content of the	
75 - 78 Lighter Blue 79 - 82 Cyan 83 - 86 Marine Blue 87 - 90 Soft Green 91 - 94 Moss Green 95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green	
79 - 82 Cyan 83 - 86 Marine Blue 87 - 90 Soft Green 91 - 94 Moss Green 95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green	
83 - 86 Marine Blue 87 - 90 Soft Green 91 - 94 Moss Green 95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green	
87 - 90 Soft Green 91 - 94 Moss Green 95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green	
91 - 94 Moss Green 95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green	
95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green	
99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green	
103 - 106 JAS Green 107 - 110 Pale Green	
107 - 110 Pale Green	
111 114 0	
111 - 114 Spring Yellow	
115 - 118 Yellow	
119 - 122 Deep Amber	
123 - 126 Chrome Orange	
127 - 130 Orange	
131 - 134 Magenta	
135 - 138 Flame Red	
139 - 142 Purple	
143 - 146 User Preset 1	
4 Color Preset (continued) 0 147 - 150 User Preset 2	
151 - 154 User Preset 3	
155 - 158 User Preset 4	
159 - 162 User Preset 5	
163 - 166 User Preset 6	
167 - 170 User Preset 7	
171 - 174 User Preset 8	
175 - 178 User Preset 9	
179 - 182 User Preset 10	
183 - 186 User Preset 11	
187 - 190 User Preset 12	
191 - 194 User Preset 13	
195 - 198 User Preset 14	
199 - 202 User Preset 15	
203 - 206 User Preset 16	
207 - 210 User Preset 17	
211 - 214 User Preset 18	
215 - 218 User Preset 19	
219 - 222 User Preset 20	
223 - 255 Channel OFF Color Mixing takes priority	



TABLE 4. SOCC MODE

Description	TABLE 4.	SOCC MODE			
2		PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
2	1	Intensity (High)	0	0 65575	16-bit Intensity (Dimmer) Control
O - 9 No Strobe Function - Shutter open	2	Intensity (Low)	U	0 - 65555	0 - 100% Output
10 - 99 Strobe S>>>>F				0 - 255	Strobe Control
Strobe 0 100 - 109 No Strobe Function - Shutter open 110 - 179 Lighting Strobe \$>>>>F 180 - 189 No Strobe Punction - Shutter open 190 - 255 Random Strobe \$>>>>>F 190 - 255 Random Strobe \$>>>>>F 190 - 255 Calibrated color presets O1 to 33 User definable color preset O1 to 20 User definable Color Preset O2 Fellise Pink User definable Color Preset O2 User definable Color Preset O2 User definable Color Preset O3 User definable Color Preset O3 User definable Color Preset O4 User definable Color Preset O5 User definable Color Preset O				0 - 9	No Strobe Function - Shutter open
110 - 179				10 - 99	Strobe S>>>>F
180 - 189	3	Strobe	0	100 - 109	No Strobe Function - Shutter open
190 - 255				110 - 179	Lighting Strobe S>>>>F
Color Preset O - 255 Callbrated color presets 01 to 33 User definable color preset 01 to 20				180 - 189	No Strobe Function - Shutter open
Variable color preset 01 to 20				190 - 255	Random Strobe S>>>>F
11 - 14				0 - 255	
15 - 18				0 - 10	Channel OFF Color Mixing takes priority
19 - 22 Flesh Pink 23 - 26 Bright Rose 27 - 30 Follies Pink 31 - 34 Fuchsia Pink 35 - 38 Surprise Pink 39 - 42 Congo Blue 43 - 46 Blue 47 - 50 Virgin Blue 51 - 54 Midnight Maya 55 - 58 Double C.T Blue 59 - 62 Slate Blue 67 - 70 Full C.T Blue 67 - 70 Full C.T Blue 71 - 74 Steel Blue 75 - 78 Lighter Blue 75 - 78 Lighter Blue 87 - 90 Soft Green 91 - 94 Moss Green 91 - 94 Moss Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				11 - 14	Moroccan Pink
23 - 26				15 - 18	Pink
27 - 30 Follies Pink 31 - 34 Fuchsia Pink 35 - 38 Surprise Pink 39 - 42 Congo Blue 43 - 46 Blue 47 - 50 Virgin Blue 51 - 54 Midnight Maya 55 - 58 Double C.T Blue 59 - 62 Slate Blue 63 - 66 Regal Blue 67 - 70 Full C.T Blue 51 - 74 Steel Blue 75 - 78 Lighter Blue 79 - 82 Cyan 83 - 86 Marine Blue 87 - 90 Soft Green 91 - 94 Moss Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				19 - 22	Flesh Pink
31 - 34 Fuchsia Pink 35 - 38 Surprise Pink 39 - 42 Congo Blue 43 - 46 Blue 47 - 50 Virgin Blue 51 - 54 Midnight Maya 55 - 58 Double C.T Blue 59 - 62 Slate Blue 63 - 66 Regal Blue 67 - 70 Full C.T Blue 71 - 74 Steel Blue 75 - 78 Lighter Blue 79 - 82 Cyan 83 - 86 Marine Blue 87 - 90 Soft Green 91 - 94 Moss Green 95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 135 - 138 Flame Red 139 - 142 Purple				23 - 26	Bright Rose
35 - 38				27 - 30	Follies Pink
39 - 42 Congo Blue 43 - 46 Blue 47 - 50 Virgin Blue 51 - 54 Midnight Maya 55 - 58 Double C.T Blue 59 - 62 Slate Blue 63 - 66 Regal Blue 67 - 70 Full C.T Blue 71 - 74 Steel Blue 75 - 78 Lighter Blue 79 - 82 Cyan 83 - 86 Marine Blue 87 - 90 Soft Green 91 - 94 Moss Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				31 - 34	Fuchsia Pink
43 - 46 Blue 47 - 50 Virgin Blue 51 - 54 Midnight Maya 55 - 58 Double C.T Blue 59 - 62 Slate Blue 63 - 66 Regal Blue 67 - 70 Full C.T Blue 77 - 74 Steel Blue 75 - 78 Lighter Blue 79 - 82 Cyan 83 - 86 Marine Blue 87 - 90 Soft Green 91 - 94 Moss Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				35 - 38	Surprise Pink
47 - 50 Virgin Blue 51 - 54 Midnight Maya 55 - 58 Double C.T Blue 59 - 62 Slate Blue 63 - 66 Regal Blue 67 - 70 Full C.T Blue 71 - 74 Steel Blue 75 - 78 Lighter Blue 79 - 82 Cyan 83 - 86 Marine Blue 87 - 90 Soft Green 91 - 94 Moss Green 91 - 94 Moss Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				39 - 42	Congo Blue
S1 - 54 Midnight Maya				43 - 46	Blue
S5 - 58				47 - 50	Virgin Blue
Solate Blue				51 - 54	Midnight Maya
4 Color Preset O 10 71 - 74 Steel Blue 75 - 78 Lighter Blue 79 - 82 Cyan 83 - 86 Marine Blue 87 - 90 Soft Green 91 - 94 Moss Green 91 - 94 Moss Green 95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				55 - 58	Double C.T Blue
67 - 70 Full C.T Blue 71 - 74 Steel Blue 75 - 78 Lighter Blue 79 - 82 Cyan 83 - 86 Marine Blue 87 - 90 Soft Green 91 - 94 Moss Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				59 - 62	Slate Blue
4 Color Preset 0 71 - 74 Steel Blue 75 - 78 Lighter Blue 79 - 82 Cyan 83 - 86 Marine Blue 87 - 90 Soft Green 91 - 94 Moss Green 95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				63 - 66	Regal Blue
75 - 78 Lighter Blue 79 - 82 Cyan 83 - 86 Marine Blue 87 - 90 Soft Green 91 - 94 Moss Green 95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple	4 Color Preset			67 - 70	Full C.T Blue
79 - 82 Cyan 83 - 86 Marine Blue 87 - 90 Soft Green 91 - 94 Moss Green 95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple		0	71 - 74	Steel Blue	
83 - 86 Marine Blue 87 - 90 Soft Green 91 - 94 Moss Green 95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple			75 - 78	Lighter Blue	
87 - 90 Soft Green 91 - 94 Moss Green 95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple			79 - 82	Cyan	
91 - 94 Moss Green 95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				83 - 86	Marine Blue
95 - 98 Green 99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				87 - 90	Soft Green
99 - 102 Fem Green 103 - 106 JAS Green 107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				91 - 94	Moss Green
103 - 106				95 - 98	Green
107 - 110 Pale Green 111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				99 - 102	Fem Green
111 - 114 Spring Yellow 115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				103 - 106	JAS Green
115 - 118 Yellow 119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				107 - 110	Pale Green
119 - 122 Deep Amber 123 - 126 Chrome Orange 127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				111 - 114	Spring Yellow
123 - 126				115 - 118	Yellow
127 - 130 Orange 131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				119 - 122	Deep Amber
131 - 134 Magenta 135 - 138 Flame Red 139 - 142 Purple				123 - 126	Chrome Orange
135 - 138 Flame Red 139 - 142 Purple				127 - 130	Orange
139 - 142 Purple				131 - 134	Magenta
				135 - 138	Flame Red
143 - 146 User Preset 1				139 - 142	Purple
				143 - 146	User Preset 1



TABLE 4. SOCC MODE

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
			147 - 150	User Preset 2
			151 - 154	User Preset 3
			155 - 158	User Preset 4
			159 - 162	User Preset 5
			163 - 166	User Preset 6
		167 - 170	User Preset 7	
		171 - 174	User Preset 8	
		175 - 178	User Preset 9	
			179 - 182	User Preset 10
	Color Preset		183 - 186	User Preset 11
4	(continued)	0	187 - 190	User Preset 12
			191 - 194	User Preset 13
			195 - 198	User Preset 14
			199 - 202	User Preset 15
			203 - 206	User Preset 16
			207 - 210	User Preset 17
			211 - 214	User Preset 18
			215 - 218	User Preset 19
			219 - 222	User Preset 20
			223 - 255	Channel OFF Color Mixing takes priority
			0 - 255	Control Channel used for full fixture settings, lamp controls, and miscellaneous modes. Set discrete value of desired effect, wait >3 seconds, then set value to 0 (Idle). **Function does not require 3 Second rule to active, setting outputto value will automatically activate function
			0 - 5	Idle (Default)
			6 - 10	Full Luminaire ReCal - Also used to wake the fixture up from shutdown.
			11 - 15	Fixture Shutdown
			16 - 20	Reserved
			21 - 25	Display - Menu ON
			26 - 30	Display - Menu OFF
5	Control Channel	0	31 - 35	Tungsten Dimming On**
3	Control Chamnel	O	36 - 40	Tungsten Dimming Off (Default)**
			41 - 45	Dimming Curve Linear**
			46 - 50	Dimming Curve S-Curve**
			51 - 55	Dimming Curve Square Law (Default)**
			56 - 60	Reserved
			61 - 65	Dimmer Snap On**
			66 - 70	Dimmer Snap Off (Default)**
			71 - 90	Reserved Values
			91 - 95	Color Calibration on
			96 - 100	Color Calibration off (Default)
			101 - 150	Reserved Values
		101 - 150	iveserved values	



TABLE 4. SOCC MODE

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
			151 - 155	Record User Color Preset**
			156 - 160	Cell Normal 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
5	Control Channel	0	161 - 165	Cell Flip 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1
3	(continued)	O	166 - 170	Reserved
			171 - 175	Reset fixture to default
			176 - 255	Reserved
6	Red (High)	^	0 65575	Red Color Level Control 0 - 100% Saturation
7	Red (Low	0	0 - 65535	Red Color Level Colltrol 0 - 100% Saturation
8	Green (High)	0	0 - 65535	Green Color Level Control 0 - 100% Saturation
10	Blue (High)	0	0 - 65535	Blue Color Level Control 0 - 100% Saturation
11	Blue (Low)	O		
12	Amber (High)	0	0 - 65535	
13	Amber (Low)	O	0 - 65555	Amber Color Level Control 0 - 100% Saturation
14	Lime (High)	0	0 65575	Lima Calar Laval Cantral O. 1000/ Caturation
15	Lime (Low)	0	0 - 65535	Lime Color Level Control 0 - 100% Saturation
16	Cyan (High)	0	0 65575	Cyan Color Lavel Control 0 100% Saturation
17	Cyan (Low)	U	0 - 65535	Cyan Color Level Control 0 - 100% Saturation

TABLE 5. SOCC MODE - 4-CELL SELECTED ADDITIONAL CHANNELS ADDED

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
			Ce	ell 1
6	Red (High)	0	0 - 65535	Red Color Level Control 0 - 100% Saturation
7	Red (Low	U	0 - 65555	Red Color Level Control o - 100% Saturation
8	Green (High)	0	0 - 65535	Green Color Level Control 0 - 100% Saturation
9	Green (Low)	U	0 - 05555	Green Color Level Control o - 100% Saturation
10	Blue (High)	0	0 - 65535	Blue Color Level Control 0 - 100% Saturation
11	Blue (Low)	U	0 - 05555	Bide Color Level Control o - 100% Saturation
12	Amber (High)	0	0 - 65535	Amber Color Level Control 0 - 100% Saturation
13	Amber (Low)		0 - 05555	Amber Color Level Control 0 - 100% Saturation
14	Lime (High)	0	0 - 65535	Lime Color Level Control 0 - 100% Saturation
15	Lime (Low)	U	0 - 05555	Lime Color Level Control o - 100% Saturation
16	Cyan (High)	0	0 - 65535	Cyan Color Level Control 0 - 100% Saturation
17	Cyan (Low)	U	0 - 03335	Cyan Color Level Control o - 100% Saturation
			Ce	ell 2
18	Red (High)	0	0 - 65535	Red Color Level Control 0 - 100% Saturation
19	Red (Low	Ü	0 03333	The color Level control of 100% Suturation
20	Green (High)	0	0 - 65535	Green Color Level Control 0 - 100% Saturation
21	Green (Low)	Ü	0 03333	
22	Blue (High)	0	0 - 65535	Blue Color Level Control 0 - 100% Saturation
23	Blue (Low)	Ŭ	0 03333	Blue Color Level Control o 100% Saturation
24	Amber (High)	0	0 - 65535	Amber Color Level Control 0 - 100% Saturation
25	Amber (Low)	Ŭ	0 03333	7 miles Golor Ecycl Collition o 10070 Saturation
26	Lime (High)	0	0 - 65535	Lime Color Level Control 0 - 100% Saturation
27	Lime (Low)	U	0 - 05555	Line Color Level Control U - 100% Saturation
28	Cyan (High)	0	0 - 65535	Cyan Color Level Control 0 - 100% Saturation
29	Cyan (Low)		0 - 05555	Cyan Color Level Control o - 100% Saturation



TABLE 5. SOCC MODE - 4-CELL SELECTED ADDITIONAL CHANNELS ADDED

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION		
Cell 3						
30	Red (High)	0	0 - 65535	Red Color Level Control 0 - 100% Saturation		
31	Red (Low	U	0 - 65555	Red Color Level Control 0 - 100% Saturation		
32	Green (High)	0	0 - 65535	Green Color Level Control 0 - 100% Saturation		
33	Green (Low)	U	0 - 05555	Green Color Level Control o - 100% Saturation		
34	Blue (High)	0	0 - 65535	Blue Color Level Control 0 - 100% Saturation		
35	Blue (Low)	U	0 - 05555	Bide Color Level Control 0 - 100% Saturation		
36	Amber (High)	0	0 - 65535	Amber Color Level Control 0 - 100% Saturation		
37	Amber (Low)	U	0 - 65555	Amber Color Level Control U - 100% Saturation		
38	Lime (High)	0	0 - 65535	Lime Color Level Control 0 - 100% Saturation		
39	Lime (Low)	U	0 - 05555	Lime Color Level Control o - 100% Saturation		
40	Cyan (High)	0	0 - 65535	Cyan Color Level Control 0 - 100% Saturation		
41	Cyan (Low)	U				
			Ce	11 4		
42	Red (High)	0	0 - 65535	Red Color Level Control 0 - 100% Saturation		
43	Red (Low		0 03333	ned color level control o 100% suturation		
44	Green (High)	0	0 - 65535	Green Color Level Control 0 - 100% Saturation		
45	Green (Low)	U	0 - 05555			
46	Blue (High)	0	0 - 65535	Blue Color Level Control 0 - 100% Saturation		
47	Blue (Low)	Ŭ	0 - 05555	Bide Color Level Control o - 100% Saturation		
48	Amber (High)	0	0 - 65535	Amber Color Level Control 0 - 100% Saturation		
49	Amber (Low)	U	0 - 05555	Amber Color Level Control 0 - 100% Saturation		
50	Lime (High)	0	0 - 65535	Lime Color Level Control 0 - 100% Saturation		
51	Lime (Low)	Ŭ	0 00000	Lime color Level Control o 100% Suturation		
52	Cyan (High)	0	0 - 65535	Cyan Color Level Control 0 - 100% Saturation		
53	Cyan (Low)		0 - 05555	Cyan Color Ecver Control o - 100% Saturation		

TABLE 6. SOCC MODE - 12-CELL SELECTED ADDITIONAL CHANNELS ADDED

DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION			
	Cell 1						
6	Red (High)	0	0 - 65535	Red Color Level Control 0 - 100% Saturation			
7	Red (Low	U	0 - 05555	Red Color Level Control o - 100% Saturation			
8	Green (High)	0	0 - 65535	Green Color Level Control 0 - 100% Saturation			
9	Green (Low)	O	0 - 05555	Green Color Level Control 0 - 100% Saturation			
10	Blue (High)	0	0 - 65535	Blue Color Level Control 0 - 100% Saturation			
11	Blue (Low)	U					
12	Amber (High)	0	0 - 65535	Amber Color Level Control 0 - 100% Saturation			
13	Amber (Low)	U	0 - 65555	Affiber Color Level Control 0 - 100% Saturation			
14	Lime (High)	0	0 - 65535	Lime Color Level Control 0 - 100% Saturation			
15	Lime (Low)	0					
16	Cyan (High)	0	0 65575	Cup Color Loval Control 0 100% Caturation			
17	Cyan (Low)		0 - 65535	Cyan Color Level Control 0 - 100% Saturation			
	Cell 2						
18	Red (High)	0	0 65575	Pod Color Lavel Control 0 100% Saturation			
19	Red (Low		0 - 65535	Red Color Level Control 0 - 100% Saturation			



TABLE 6. SOCC MODE - 12-CELL SELECTED ADDITIONAL CHANNELS ADDED

TABLE 6. SOCC MODE - 12-CELL SELECTED ADDITIONAL CHANNELS ADDED				
DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION
20	Green (High)	0	0 - 65535	Green Color Level Control 0 - 100% Saturation
21	Green (Low)	U	0 - 65555	Green Color Level Control 0 - 100% Saturation
22	Blue (High)	0	0 - 65535	Blue Color Level Control 0 - 100% Saturation
23	Blue (Low)	O	0 - 65555	Blue Color Level Control 0 - 100% Saturation
24	Amber (High)	0	0 - 65535	Amber Color Level Control 0 - 100% Saturation
25	Amber (Low)	O	0 - 05555	Affiber Color Level Control o - 100% Saturation
26	Lime (High)	0	0 - 65535	Lime Color Level Control 0 - 100% Saturation
27	Lime (Low)	0	0 - 05555	Lime Color Level Control o - 100% Saturation
28	Cyan (High)	0	0 - 65535	Cyan Color Level Control 0 - 100% Saturation
29	Cyan (Low)		0 - 05555	Cyan Color Level Control o - 100% Saturation
			Се	11 3
30	Red (High)	0	0 - 65535	Red Color Level Control 0 - 100% Saturation
31	Red (Low	Ü	0 03333	ned color Ecver control o 100% Saturation
32	Green (High)	0	0 - 65535	Green Color Level Control 0 - 100% Saturation
33	Green (Low)	Ŭ	0 33333	S. SS. SS. SS. SS. SS. SS. SS. SS. SS.
34	Blue (High)	0	0 - 65535	Blue Color Level Control 0 - 100% Saturation
35	Blue (Low)	ŭ	0 00000	Blue Golor Eaver Control o 100% Guttartation
36	Amber (High)	0	0 - 65535	Amber Color Level Control 0 - 100% Saturation
37	Amber (Low)	Ū	0 00000	7.11.50. 50.01 2010. 50.11.0. 5
38	Lime (High)	0	0 - 65535	Lime Color Level Control 0 - 100% Saturation
39	Lime (Low)	Ū	0 00000	2 2010. 2010. 001.0010 001.0010
40	Cyan (High)	0	0 - 65535	Cyan Color Level Control 0 - 100% Saturation
41	Cyan (Low)		0 03333	
		I	Ce	4
42	Red (High)	0	0 - 65535	Red Color Level Control 0 - 100% Saturation
43	Red (Low			
44	Green (High)	0	0 - 65535	Green Color Level Control 0 - 100% Saturation
45	Green (Low)			
46	Blue (High)	0	0 - 65535	Blue Color Level Control 0 - 100% Saturation
47	Blue (Low)			
48	Amber (High)	0	0 - 65535	Amber Color Level Control 0 - 100% Saturation
49	Amber (Low)			
50	Lime (High)	О	0 - 65535	Lime Color Level Control 0 - 100% Saturation
51	Lime (Low)			
52	Cyan (High)	О	0 - 65535	Cyan Color Level Control 0 - 100% Saturation
53	Cyan (Low)			
- 4	D. Law Is		Ce	ll 5
54	Red (High)	0	0 - 65535	Red Color Level Control 0 - 100% Saturation
55	Red (Low			
56	Green (High)	О	0 - 65535	Green Color Level Control 0 - 100% Saturation
57	Green (Low)			
58	Blue (High)	О	0 - 65535	Blue Color Level Control 0 - 100% Saturation
59	Blue (Low)			
60	Amber (High)	О	0 - 65535	Amber Color Level Control 0 - 100% Saturation
61	Amber (Low)			
62	Lime (High)	О	0 - 65535	Lime Color Level Control 0 - 100% Saturation
63	Lime (Low)			



TABLE 6. SOCC MODE - 12-CELL SELECTED ADDITIONAL CHANNELS ADDED

TABLE 6. SOCC MODE - 12-CELL SELECTED ADDITIONAL CHANNELS ADDED							
DMX CHANNEL	PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION			
64	Cyan (High)	0	0 - 65535	Cyan Color Level Control 0 - 100% Saturation			
65	Cyan (Low)	0 0-03333		Cyan Color Level Control 0 - 100% Saturation			
Cell 6							
66	Red (High)	0	0 - 65535	Red Color Level Control 0 - 100% Saturation			
67	Red (Low	U	0 - 05555	Tied Gold. Edver Control of 10070 Suturation			
68	Green (High)		0 05575	Construction of Control O. 100W Cat. and Co.			
69	Green (Low)	0	0 - 65535	Green Color Level Control 0 - 100% Saturation			
70	Blue (High)	0	0 - 65535	Blue Color Level Control 0 - 100% Saturation			
71	Blue (Low)	J	0 03333	Blue Color Ecver Control o 100% Saturation			
72	Amber (High)	0	0 - 65535	Amber Color Level Control 0 - 100% Saturation			
73	Amber (Low)	O O	0 - 05555	Affiber Color Level Control o - 100% Saturation			
74	Lime (High)	0	0 - 65535	Lime Color Level Control 0 - 100% Saturation			
75	Lime (Low)	U	0 - 05555	Lime Color Level Control o - 100% Saturation			
76	Cyan (High)	0	0 - 65535	Cyan Color Level Control 0 - 100% Saturation			
77	Cyan (Low)	0	0 03333	Gyan Color Level Control o 100% Saturation			
			Ce	II 7			
78	Red (High)	0	0 - 65535	Red Color Level Control 0 - 100% Saturation			
79	Red (Low	-		New Color Level Control o - 100% Saturation			
80	Green (High)	0	0 0 - 65535	Green Color Level Control 0 - 100% Saturation			
81	Green (Low)	-	0 00000	S. SS. SS. SS. SS. SS. SS. SS. SS. SS.			
82	Blue (High)	0	0	0 - 65535 Blue C	Blue Color Level Control 0 - 100% Saturation		
83	Blue (Low)	_	0 0000				
84	Amber (High)	0	0 - 65535	Amber Color Level Control 0 - 100% Saturation			
85	Amber (Low)						
86	Lime (High)	0	0 - 65535	Lime Color Level Control 0 - 100% Saturation			
87	Lime (Low)						
88	Cyan (High)	0	0 - 65535	Cyan Color Level Control 0 - 100% Saturation			
89	Cyan (Low)						
			Ce	8			
90	Red (High)	0	0 - 65535	Red Color Level Control 0 - 100% Saturation			
91	Red (Low						
92	Green (High)	0	0 - 65535	Green Color Level Control 0 - 100% Saturation			
93	Green (Low)						
94	Blue (High)	0	0 - 65535	Blue Color Level Control 0 - 100% Saturation			
95	Blue (Low)						
96	Amber (High)	О	0 - 65535	Amber Color Level Control 0 - 100% Saturation			
97	Amber (Low)						
98	Lime (High) Lime (Low)	0	0 - 65535	Lime Color Level Control 0 - 100% Saturation			
100	Cyan (High)						
100	Cyan (Low)	0	0 - 65535	Cyan Color Level Control 0 - 100% Saturation			
101	Cydii (LOW)	<u> </u>	Ca	ll 9			
102	Red (High)						
102	Red (Low	O 0 - 65535 I	Red Color Level Control 0 - 100% Saturation				
104	Green (High)						
105	Green (Low)	0	0 - 65535	Green Color Level Control 0 - 100% Saturation			
103	OTCCTT (LOW)						



TABLE 6. SOCC MODE - 12-CELL SELECTED ADDITIONAL CHANNELS ADDED

DMX	TABLE 6. SOCC MODE - 12-CELL SELECTED ADDITIONAL CHANNELS ADDED							
107 Blue (Low)		PARAMETER	DEFAULTS	RANGE DMX	DESCRIPTION			
107 Blue (Low) 0 0 - 65535 Amber Color Level Control 0 - 100% Saturation 109 Amber (High) 0 0 - 65535 Lime Color Level Control 0 - 100% Saturation 110 Lime (High) 0 0 - 65535 Lime Color Level Control 0 - 100% Saturation 111 Lime (Low) 0 0 - 65535 Cyan Color Level Control 0 - 100% Saturation 112 Cyan (High) 0 0 - 65535 Red Color Level Control 0 - 100% Saturation 114 Red (High) 0 0 - 65535 Blue Color Level Control 0 - 100% Saturation 115 Red (Low) 0 0 - 65535 Blue Color Level Control 0 - 100% Saturation 116 Green (Low) 0 0 - 65535 Blue Color Level Control 0 - 100% Saturation 119 Blue (High) 0 0 - 65535 Blue Color Level Control 0 - 100% Saturation 120 Amber (Low) 0 0 - 65535 Lime Color Level Control 0 - 100% Saturation 121 Amber (Low) 0 0 - 65535 Lime Color Level Control 0 - 100% Saturation 122 Lime (High) 0 0 - 65535 Lime Color Level Control 0 - 100% Saturation 123 Lime (Low) 0 0 - 65535 Cyan Color Level Control 0 - 100% Saturation 124 Cyan (High) 0 0 - 65535 Red Color Level Control 0 - 100% Saturation 126 Red (High) 0 0 - 65535 Red Color Level Control 0 - 100% Saturation 127 Red (Low) 0 0 - 65535 Red Color Level Control 0 - 100% Saturation 130 Blue (High) 0 0 - 65535 Blue Color Level Control 0 - 100% Saturation 131 Blue (Low) 0 0 - 65535 Blue Color Level Control 0 - 100% Saturation 134 Lime (High) 0 0 - 65535 Red Color Level Control 0 - 100% Saturation 135 Lime (Low) 0 0 - 65535 Red Color Level Control 0 - 100% Saturation 136 Cyan (High) 0 0 - 65535 Red Color Level Control 0 - 100% Saturation 137 Cyan (Low) 0 0 - 65535 Red Color Level Control 0 - 100% Saturation 138 Red (High) 0 0 - 65535 Red Color Level Control 0 - 100% Saturation 140 Green (High) 0 0 - 65535 Red Color Level Control 0 - 100% Saturation 141 Green (Low) 0 0 - 65535 Cyan Color Level Control 0 - 100% Sa	106	Blue (High)	0	0 05575	Blue Calard and Cartual O. 1000/ Cathurstins			
109	107	Blue (Low)	U	0 - 03333	Blue Color Level Control 0 - 100% Saturation			
109	108	Amber (High)	0	0 05575	Ambor Color Laval Control 0 100% Saturation			
111	109	Amber (Low)	O	0 - 65535	ATTING COLOT FEACT COLLINE O - 100% Saruldrion			
111	110	Lime (High)	0	0 05575	Line Calcul and Cartual O. 100% Cathwating			
113	111	Lime (Low)	U	0 - 65535	Lime Color Level Control 0 - 100% Saturation			
113	112	Cyan (High)	0	0 05575	Const Colon Lavel Control O 1000/ Caturation			
114	113	Cyan (Low)	U	0 - 65535	Cyan Color Level Control 0 - 100% Saturation			
115				Ce	II 10			
115	114	Red (High)	0	0 05575	Ded Color Lavel Control 0, 1000/ Cotorotics			
117 Green (Low) 0 0 - 65535 Green Color Level Control 0 - 100% Saturation	115	Red (Low	O	0 - 65535	Red Color Level Control 0 - 100% Saturation			
117	116	Green (High)	0	0 05575	C			
119	117	Green (Low)	O	0 - 65535	Green Color Level Control U - 100% Saturation			
19	118	Blue (High)	0	0 05575				
121	119	Blue (Low)	O	0 - 65535	Blue Color Level Control 0 - 100% Saturation			
121	120	Amber (High)		0 05575				
123	121	Amber (Low)	O	0 - 65535	Amber Color Level Control 0 - 100% Saturation			
123	122	Lime (High)	_	0 05575				
125	123	Lime (Low)	O	0 - 65535	Lime Color Level Control 0 - 100% Saturation			
125	124	Cyan (High)	_					
126	125	Cyan (Low)	O	0 - 65535	Cyan Color Level Control 0 - 100% Saturation			
127				Ce	II 11			
127	126	Red (High)	_	0 05575				
129 Green (Low) 0 0 - 65535 Green Color Level Control 0 - 100% Saturation	127	Red (Low	O	0 - 65535	kea Color Level Control 0 - 100% Saturation			
129 Green (Low) 130 Blue (High) 131 Blue (Low) 132 Amber (High) 133 Amber (Low) 134 Lime (High) 135 Lime (Low) 136 Cyan (High) 137 Cyan (Low) 139 Red (Low 140 Green (Low) 141 Green (Low) 142 Blue (High) 143 Blue (Low) 144 Amber (High) 145 Amber (Low) 146 Lime (High) 146 Lime (High) 147 Lime (Low) 148 Cyan (High) 140 0 - 65535 Cyan Color Level Control 0 - 100% Saturation 140 Green (Low) 141 Green (Low) 142 Blue (High) 143 Blue (Low) 144 Amber (High) 145 Amber (Low) 146 Lime (High) 147 Lime (Low) 148 Cyan (High) 149 Cyan (High) 140 Cyan (High) 141 Cyan (High) 142 Cyan (High) 143 Cyan (High) 144 Cyan (High) 145 Cyan (High) 146 Cyan (High) 147 Cyan (High) 148 Cyan (High) 148 Cyan (High) 149 Cyan (High) 149 Cyan (High) 140	128	Green (High)	0	0 05575	Construction of Control O. 100W Cata anti-			
131 Blue (Low) 0 0 - 65535 Blue Color Level Control 0 - 100% Saturation 132 Amber (High) 133 Amber (Low) 134 Lime (High) 135 Lime (Low) 136 Cyan (High) 137 Cyan (Low) 137 Cyan (Low) 138 Red (High) 139 Red (Low 140 Green (High) 141 Green (Low) 142 Blue (High) 143 Blue (Low) 144 Amber (High) 145 Amber (Low) 146 Lime (High) 147 Lime (Low) 148 Cyan (High) 149 Cyan (High) 140 Cyan (High) 140 Cyan (High) 141 Cyan (High) 142 Cyan (High) 144 Cyan (High) 145 Cyan (High) 146 Lime (Low) 147 Lime (Low) 148 Cyan (High) 149 Cyan (High) 149 Cyan (High) 140 Cy	129	Green (Low)	O	0 - 65535	Green Color Level Control U - 100% Saturation			
131	130	Blue (High)	0 0 0 0 0	0 05575	Plus Color Lavel Control 0 100% Caturation			
133	131	Blue (Low)	O	0 - 65535	Blue Color Level Control 0 - 100% Saturation			
133	132	Amber (High)	0	0 05575	Amber Color Lovel Control O 100% Coturetion			
135	133	Amber (Low)	O	0 - 65535	Amber Color Level Control 0 - 100% Saturation			
135	134	Lime (High)	0	0 05575	Line Calcular d Cardad O 1000/ Cata addition			
137 Cyan (Low) O - 65535 Cyan Color Level Control 0 - 100% Saturation	135	Lime (Low)	O	0 - 65535	Lime Color Level Control 0 - 100% Saturation			
137 Cyan (Low) Cell 12 138	136	Cyan (High)	0	0 05575	Const Colon Lavel Control O 1000/ Cotourtion			
138 Red (High) 0 0 - 65535 Red Color Level Control 0 - 100% Saturation 139 Red (Low 0 0 - 65535 Red Color Level Control 0 - 100% Saturation 140 Green (High) 0 0 - 65535 Green Color Level Control 0 - 100% Saturation 141 Green (Low) 0 0 - 65535 Blue Color Level Control 0 - 100% Saturation 143 Blue (Low) 0 0 - 65535 Amber Color Level Control 0 - 100% Saturation 144 Amber (Low) 0 0 - 65535 Lime Color Level Control 0 - 100% Saturation 146 Lime (High) 0 0 - 65535 Lime Color Level Control 0 - 100% Saturation 147 Lime (Low) 0 0 - 65535 Cvan Color Level Control 0 - 100% Saturation 148 Cyan (High) 0 0 - 65535 Cvan Color Level Control 0 - 100% Saturation	137	Cyan (Low)	U	0 - 65535	Cyan Color Level Control 0 - 100% Saturation			
139 Red (Low 140 Green (High) 141 Green (Low) 142 Blue (High) 143 Blue (Low) 144 Amber (High) 145 Amber (Low) 146 Lime (High) 147 Lime (Low) 148 Cyan (High) O				Ce	II 12			
139	138	Red (High)	0	0 65575	Pod Color Loval Control C. 100% Coturation			
141 Green (Low) 142 Blue (High) 143 Blue (Low) 144 Amber (High) 145 Amber (Low) 146 Lime (High) 147 Lime (Low) 148 Cyan (High) 0 0 - 65535 Green Color Level Control 0 - 100% Saturation Blue Color Level Control 0 - 100% Saturation Amber Color Level Control 0 - 100% Saturation Lime Color Level Control 0 - 100% Saturation Cyan Color Level Control 0 - 100% Saturation	139	Red (Low	U	U - 65535	Red Color Level Control U - 100% Saturation			
141 Green (Low) 142 Blue (High) 143 Blue (Low) 144 Amber (High) 145 Amber (Low) 146 Lime (High) 147 Lime (Low) 148 Cyan (High) 0 0 - 65535 Cyan Color Level Control 0 - 100% Saturation Cyan Color Level Control 0 - 100% Saturation	140	Green (High)	0	0 65575	Cross Color Level Control O 100% Setumetics			
143 Blue (Low) 144 Amber (High) 145 Amber (Low) 146 Lime (High) 147 Lime (Low) 148 Cyan (High) 0 0 - 65535 Blue Color Level Control 0 - 100% Saturation Amber Color Level Control 0 - 100% Saturation Lime Color Level Control 0 - 100% Saturation Cyan Color Level Control 0 - 100% Saturation	141	Green (Low)	U	U - 05535	Green Color Level Control U - 100% Saturation			
143 Blue (Low) 144 Amber (High) 145 Amber (Low) 146 Lime (High) 147 Lime (Low) 148 Cyan (High) 0 0 - 65535 Cyan Color Level Control 0 - 100% Saturation Cyan Color Level Control 0 - 100% Saturation	142	Blue (High)	0	0 65575	Phys Color Level Centrel C. 100% Catagetica			
145 Amber (Low) 146 Lime (High) 147 Lime (Low) 148 Cyan (High) 0 0 - 65535 Amber Color Level Control 0 - 100% Saturation Lime Color Level Control 0 - 100% Saturation Cyan Color Level Control 0 - 100% Saturation	143	Blue (Low)	U	U - 05535	Blue Color Level Control 0 - 100% Saturation			
145 Amber (Low) 146 Lime (High) 147 Lime (Low) 148 Cyan (High) 0 0 - 65535 Cvan Color Level Control 0 - 100% Saturation Cvan Color Level Control 0 - 100% Saturation	144	Amber (High)	0	0 05575	Ambay Color Laval Control 0, 1000/ Cat 1000			
147 Lime (Low) 148 Cyan (High) 0 0 - 65535 Lime Color Level Control 0 - 100% Saturation 0 0 - 65535 Cvan Color Level Control 0 - 100% Saturation	145	Amber (Low)	U	U - 65535	Amber Color Level Control 0 - 100% Saturation			
147	146	Lime (High)	0 0 00000		1. 01.1.10.10.10.10.10.10.10.10.10.10.10.10			
0 0 - 65535 Cvan Color Level Control 0 - 100% Saturation	147	Lime (Low)	U	U - 65535	Lime Color Level Control 0 - 100% Saturation			
149 Cyan (Low) U - 65535 Cyan Color Level Control U - 100% Saturation	148	Cyan (High)	0	0 05575	Comm Colord and Control C. 1000/ Col			
	149	Cyan (Low)	U	U - 65535	Cyan Color Level Control U - 100% Saturation			



TABLE 7. COLOR PRESETS

IADLE /.	COLOR PRESEIS
RANGE DMX	COLOR
0 - 255	Calibrated color presets 01 to 33 User definable color preset 01 to 20
0 - 10	Channel OFF Color Mixing takes priority
11 - 14	Moroccan Pink
15 - 18	Pink
19 - 22	Flesh Pink
23 - 26	Bright Rose
27 - 30	Follies Pink
31 - 34	Fuchsia Pink
35 - 38	Surprise Pink
39 - 42	Congo Blue
43 - 46	Blue
47 - 50	Virgin Blue
51 - 54	Midnight Maya
55 - 58	Double C.T Blue
59 - 62	Slate Blue
63 - 66	Regal Blue
67 - 70	Full C.T Blue
71 - 74	Steel Blue
75 - 78	Lighter Blue
79 - 82	Cyan
83 - 86	Marine Blue
87 - 90	Soft Green
91 - 94	Moss Green
95 - 98	Green
99 - 102	Fem Green
103 - 106	JAS Green
107 - 110	Pale Green
111 - 114	Spring Yellow

RANGE DMX	COLOR
115 - 118	Yellow
119 - 122	Deep Amber
123 - 126	Chrome Orange
127 - 130	Orange
131 - 134	Magenta
135 - 138	Flame Red
139 - 142	Purple
143 - 146	User Preset 1
147 - 150	User Preset 2
151 - 154	User Preset 3
155 - 158	User Preset 4
159 - 162	User Preset 5
163 - 166	User Preset 6
167 - 170	User Preset 7
171 - 174	User Preset 8
175 - 178	User Preset 9
179 - 182	User Preset 10
183 - 186	User Preset 11
187 - 190	User Preset 12
191 - 194	User Preset 13
195 - 198	User Preset 14
199 - 202	User Preset 15
203 - 206	User Preset 16
207 - 210	User Preset 17
211 - 214	User Preset 18
215 - 218	User Preset 19
219 - 222	User Preset 20
223 - 255	Channel OFF Color Mixing takes priority



TABLE 8. CTO CHANNEL

DMX CHANNEL	DEFAULT	RANGE DMX	COLOR TEMPE TRUE
		0 - 250	Variable color temperature control channel. The channel works independently of the color mixing channel and will adjust all mixed color from the selected color temperature level. values stated below are for guidance only. the channel should be mapped in such a way that the channel level runs are variable from 0 - 250.
		0	1800K
		25	2700K
		50	3000K
	75	75	3200K (Default)
		100	4000K
		125	4500K
		150	5000K
		175	5600K
		200	6500K
		225	8000K
		250	10000K
		250 - 255	Reserved Hold 10000K

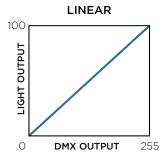
TABLE 9. CONTROL CHANNEL

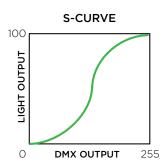
RANGE DMX	ITEMS	DESCRIPTION	POWER CYCLE RULES	FUNCTION SELECTION VIA UI
0 - 255	Control Channel	Control Channel used for full fixture settings, lamp controls, and miscellaneous modes. Set discrete value of desired effect, wait >3 seconds, then set value to 0 (Idle). **Function does not require 3 Second rule to active, setting output to value automatically activates function.	N/A	N/A
0 - 5	Idle (Default)	Default value used as return point to activate all control functions	N/A	N/A
6 - 10	Full Luminaire ReCal	Recalibrates all mechanical functions and sensor with in the fixture. Also used to wake the fixture up from shutdown.	N/A	
11 - 15	Fixture Shutdown	Shuts down all fixture output and turns off all fans - fixture is activated by power cycle or ReCal command	Starts normally	N/A
16 - 20	Reserved Values		N/A	N/A
21 - 25	Display - Menu ON	Switches UI display backlight on remotely - Display will Time out from on after 5 mins	N/A	N/A
26 - 30	Display - Menu OFF		N/A	N/A
31 - 35	Tungsten Dimming On**	Remote switches Tungsten Dimming color shift on	Holds setting	Yes
36 - 40	Tungsten Dimming Off (Default)**	Remote switches Tungsten Dimming color shift off	Holds setting	Yes
41 - 45	Dimming Curve Linear**	Chooses Linear Dimming Curve Also used to wake the fixture up from shutdown.	Holds setting	Yes
46 - 50	Dimming Curve S-Curve**	Chooses S-Law Dimming Curve	Holds setting	Yes
51 - 55	Dimming Curve Square Curve (Default)**	Chooses Square-Law Dimming Curve	Holds setting	Yes
56 - 60	Reserved Values			
61 - 65	Dimmer Snap On**	Allows for fastest output changes between levels but reduces smoothness dimming LED	Holds setting	Yes

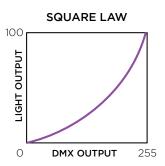


TABLE 9. CONTROL CHANNEL

RANGE DMX	ITEMS	DESCRIPTION	POWER CYCLE RULES	FUNCTION SELECTION VIA UI
66 - 70	Dimmer Snap Off (Default)**	Ensures all fades between output levels remain smooth and flicker free limits fast instant snaps between levels	Holds setting	Yes
71 - 90	Reserved Values		N/A	N/A
91 - 95	Color Calibration on	Turns Color calibration on. For fixture to fixture color matching on all mixed and preset colors between fixtures limits highest output and max saturation on some colors	Holds setting	Yes
96 - 100	Color Calibration off (Default)	Turns Color calibration off. Fixtures may not match from fixture to fixture. The function offers the highest output and deepest color saturation.	Holds setting	Yes
101 - 150	Reserved Values		N/A	N/A
151 - 155	Record User Color Preset**	Takes Current Color mixing values and stores to next available blank. User color preset - if the preset list is full, the preset will not record. The User will need to clear the preset via the fixture UI first.	N/A	N/A
156 - 160	Cell Flip Off	Cell Normal 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	Holds setting	Yes
161 - 165	Cell Flip On	Cell Flip 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1	Holds setting	Yes
166 - 170	Reserved		N/A	N/A
171 - 175	Reset fixture to default	Will reset all parameters to default with the exception of the DMX address, fixture mode and Pixel / Zone Selection	N/A	Yes - Will reset DMX address, Mode and pixel group
176 - 255	Reserved		N/A	N/A

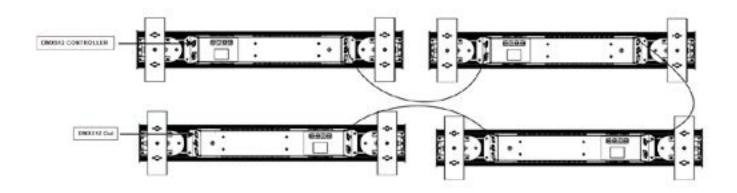


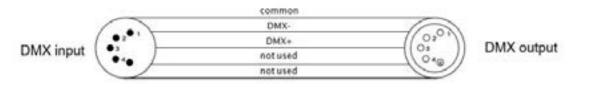




DMX512 CONNECTION

- The DMX cable should be terminated at the last unit in a run, using a DMX terminator. Solder a 120Ω 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 5-pin XLR-plug and plug it in the DMX-output of the last unit.
- Connect the unit together in a `daisy chain` by XLR plug from the output of the unit to the input of the next unit. The cable cannot be branched or split to a `Y` cable. DMX 512 is a very high-speed signal. Inad- equate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
- The DMX output and input are configured as pass-through connectors in order to maintain the DMX circuit, should the power to one of the unit's be disconnected.
- Each lighting unit needs to have an address set to receive the data sent by the controller. The address number is between 1 512 (but not all starting addresses are available depending on DMX Mode).
- 5-pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin 4/Pin 5: Not used.







APPENDIX A CARE AND MAINTENANCE

TROUBLESHOOTING

The following are some common issues that may occur.

The unit does not work - light and fan do not turn on

- Check power connection and main fuse.
- Measure the mains voltage on the main connector to ensure it is in the correct range.

Not responding to DMX controller

- DMX LED should be on. If not, check DMX connectors and cables to see if they link properly.
- If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
- If there are intermittent DMX signal problems, check the pins on the connectors or on the PCB of either this unit or the previous one.
- Try to use another DMX controller.
- Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to the DMX interface circuit.

CLEANING

Cleaning the inside of the luminaire must be carried out periodically in order to optimize the light output. Cleaning frequency depends on the environment in which the fixture operates damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the fixture's optics.

- Clean with a soft cloth using non-ammonia glass cleaning fluid.
- Always dry the parts carefully.
- Clean the external optics at least every 30 days.

ADDENDUM

Fan Speed and Control

All Vari-lite and Strand lighting luminaires will be governed by the same Fan speed v Noise levels v Maximum power output rules as details below. These noises related to these levels will confirm to Noise Criteria levels details of which are contained within the document.

There are 3 control parameters can be selected separately or in conjunction when permitted to manage Fan speed v Noise levels v Maximum power output.

NOTE: Not all fixture have all modes or functions refer to DMX map and User interface menu tree to see if you product has one of more of these functions.

Item 1 - Fan 'v' Output Preset Modes

These modes are selectable at either / or the fixtures DMX control channel or via the fixture user interface screen. The section of the modes works in conjunction with Items 3 and will also active or deactivate the Item 2.

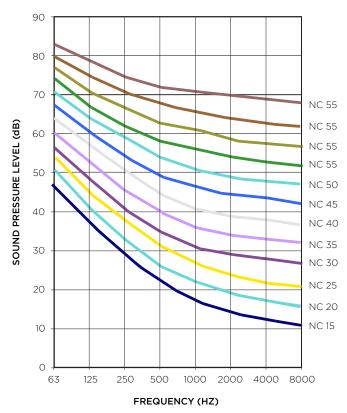
Boost mode – LED output boosted to >120% of standard output fan speeds increased manage heat level of LED (may be limited to only run for XXhrs). Fixture will not exceed NC45 – NC55 sound levels in this mode

Standard mode - Full LED Output + Fan Spin at top speed (loudest setting). Fixture will not exceed NC40 sound levels in this mode

Studio Mode - Fan speed reduced to appropriate amount to reduce dB levels >10% of full speed + LED @ max output approximately 80% of Standard output at appropriate level to ensure LED work at optimum temperature and output efficiency (fan speed remains at a constant speed and do not ramp up or down) NC35

Whisper mode - Fan speed reduced to appropriate amount to reduce dB levels to >30% of the full speed + LED Max output approximately 60% of Standard output at appropriate level to ensure LED work at optimum temperature and output efficiency (Fan speed remains at a constant speed and do not ramp up or down) NC25

Silent Mode – ideally Fans do not spin + output capped at appropriate level to ensure LED work at optimum temperature and output efficiency (Fan should never switch on in this mode or change speed if they on) NC15 target level.



MODE LED OUTPU		FAN SPEED	NOISE CRITERION	EQUIVALENT SOUND LEVEL DBA (@3M)	
Boost Mode	>100%	Boosted fan speed constant	NC45	50	
Standard Mode	Full 100%	Full 100% constant	NC40	45	
Studio Mode	80%	Appropriate speed to reduce dB levels >10% of full speed	NC35	40	
Whisper Mode	60%	Appropriate speed to reduce dB levels >30% of full speed	NC25	35	
Silent Mode	TBC	Fan off	NC15	25	

	OCTAVE BAND CENTER FREQUENCY (HZ)							
NOISE CRITERION	63	125	250	500	1000	2000	4000	8000
OIL! EIL! OIL			S	OUND PRESSU	RE LEVELS (D	В)		
NC-15	47	36	29	22	17	14	12	11
NC-20	51	40	33	26	22	19	17	16
NC-25	54	44	37	31	27	24	22	21
NC-30	57	48	41	35	31	29	28	27
NC-35	60	52	45	40	36	34	33	32
NC-40	64	56	50	45	41	39	38	37
NC-45	67	60	54	49	46	44	43	42
NC-50	71	64	58	54	51	49	48	47
NC-55	74	67	62	58	56	54	53	52
NC-60	77	71	67	63	61	59	58	57
NC-65	80	75	71	68	66	64	63	62
NC-70	83	79	75	72	71	70	69	68



HOW TO OBTAIN WARRANTY SERVICE

A copy of the Strand Limited Warranty was included in the shipping package for this Strand product.

To obtain warranty service, please contact customer service at 1-214-647-7880, or **entertainment.service signify.com** and request a Return Material Authorization (RMA) for warranty service. You will need to provide the model and serial number of the item being returned, a description of the problem or failure and the name of the registered user or organization. If available, you should have your sales invoice to establish the date of sale as the beginning of the warranty period. Once you obtain the RMA, pack the unit in a secure shipping container or in its original packing box. Be sure to clearly indicate the RMA number on all packing lists, correspondence, and shipping labels. If available, please include a copy of your invoice (as proof of purchase) in the shipping container

With the RMA number written legibly on or near the shipping address label, return the unit, freight prepaid, to:

Strand
Attention: Warranty Service (RMA# _____)
10911 Petal Street
Dallas, Texas 75238
USA

As stated in the warranty, it is required that the shipment be insured and FOB our service center.

IMPORTANT! When returning products to Strand for repairs (warranty or out-of--warranty) from a country other than the USA, "Strand Lighting LLC", must appear in the address block as the Importer of Record (IOR) on all shipping documentation, Commercial Invoices, etc. This must be done in order to clear customs in a timely manner and prevent returns.



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AURORA LED STRIP 12 CELL USER MANUAL

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