

KOSMOS DMX MAP 8 bits (Firmware V01_06.04)					
Mode Number	Mode Name	Channel	Function	Value	Kosmos range
1	CCT (5 channels)	1	Master intensity	0-255	0-100
		2	Kelvin	0-255	2500K to 10000K
		3	Green / Magenta	0=Neutral 1-121=100M to 1 M 122-132= Neutral zone 133-255 = 1G to 100G	100M to 100G
		4	ZOOM	0-255	13°-56°
		5	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
2	CCT & HSI (7 channels)	1	Master intensity	0-255	0-100
		2	Kelvin	0-255	2500K to 10000K
		3	Green / Magenta	0=Neutral 1-121=100M to 1 M 122-132= Neutral zone 133-255 = 1G to 100G	100M to 100G
		4	Saturation	0-255	0-100
		5	Hue	0-255	0° to 359°
		6	ZOOM	0-255	13°-56°
		7	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
3	CCT & RGB (9 channels)	1	Master intensity	0-255	0-100
		2	Kelvin	0-255	2500K to 10000K
		3	Green / Magenta	0=Neutral 1-121=100M to 1 M 122-132= Neutral zone 133-255 = 1G to 100G	100M to 100G
		4	Saturation	0-255	0-100
		5	Red	0-255	0-100
		6	Green	0-255	0-100
		7	Blue	0-255	0-100
		8	ZOOM	0-255	13°-56°
		9	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.

				>=30 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
4	RGBWW (8 channels)	1	Master intensity	0-255	0-100
		2	Red	0-255	0-100
		3	Green	0-255	0-100
		4	Blue	0-255	0-100
		5	White	0-255	0-100
		6	Cold White	0-255	0-100
		7	ZOOM	0-255	13°-56°
		8	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
5	GELS (7 channels)	1	Master intensity	0-255	0-100
		2	Kelvin	0-255	2500K to 10000K
		3	Saturation	0-255	0-100
		4	Gel family	0=L 1=R	See document L GEL list See document R GEL list
		5	Gel number	0-255	
		6	ZOOM	0-255	13°-56°
		7	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
		6	LIGHT SOURCES (6 channels)	1	Master intensity
2	Kelvin			0-255	2500K to 10000K
3	Saturation			0-255	0-100
4	Light Source number			0-255	See document Lightsources list
5	ZOOM			0-255	13°-56°
6	FAN			0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	

7 PRESETS (3 channels)	1	Master intensity	0-255	0-100
	2	Preset number	0-255	0-10
	3	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
8 EFFECTS (14 channels)	1	Master intensity	0-255	0-100
	2	Effect number	0-9	Effect 1 DISCO
			10-19	Effect 2 FLAME
			20-29	Effect 3 POLICE
			30-39	Effect 4 PULSE
			40-49	Effect 5 STROBE
			50-59	Effect 6 TV
			60-69	Effect 7 PAPARAZZI
			70-79	Effect 8 SUNRISE
			80-89	Effect 9 TRANSITION
	3	Parameter #1	0-255	0-100
	4	Parameter #2	0-255	0-100
	5	Parameter #3	0-255	0-100
	6	Parameter #4	0-255	0-100
	7	Parameter #5	0-255	0-100
	8	Parameter #6	0-255	0-100
	9	Parameter #7	0-255	0-100
	10	Reserved for future use	0-255	0-100
	11	Reserved for future use	0-255	0-100
	12	Reserved for future use	0-255	0-100
	13	ZOOM	0-255	13°-56°
	14	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
9 CHANGING Mode CCT (6 channels)	1	Master intensity	0-255	0-100
	2	Mode 0-9 : CCT	0-9	CCT
	3	Kelvin	0-255	2500K to 10000K
	4	Green / Magenta	0=Neutral	100M to 100G
			1-121=100M to 1 M	
			122-132= Neutral zone	
			133-255 = 1G to 100G	
	5	ZOOM	0-255	13°-56°
	6	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.

30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
>39 = Reserved for future use	

CHANGING Mode CCT+HSI (8 channels)	1	Master intensity	0-255	0-100
	2	Mode 10-19 : CCT+HSI	10-19	CCT+HSI
	3	Kelvin	0-255	2500K to 10000K
	4	Green / Magenta	0=Neutral 1-121=100M to 1 M 122-132= Neutral zone 133-255 = 1G to 100G	100M to 100G
	5	Saturation	0-255	0-100
	6	Hue	0-255	0° to 359°
	7	ZOOM	0-255	13°-56°
	8	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
CHANGING Mode CCT+RGB (10 channels)	1	Master intensity	0-255	0-100
	2	Mode 20-29 : CCT+RGB	20-29	CCT+RGB
	3	Kelvin	0-255	2500K to 10000K
	4	Green / Magenta	0=Neutral 1-121=100M to 1 M 122-132= Neutral zone 133-255 = 1G to 100G	100M to 100G
	5	Saturation	0-255	0-100
	6	Red	0-255	0-100
	7	Green	0-255	0-100
	8	Blue	0-255	0-100
	9	ZOOM	0-255	13°-56°
	10	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
CHANGING Mode RGBWW (9 channels)	1	Master intensity	0-255	0-100
	2	Mode 30-39 : RGBWW	30-39	RGBWW
	3	Red	0-255	0-100
	4	Green	0-255	0-100
	5	Blue	0-255	0-100
	6	White	0-255	0-100
	7	Cold White	0-255	0-100
	8	ZOOM	0-255	13°-56°

		9	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
CHANGING Mode GEL (8 channels)		1	Master intensity	0-255	0-100
		2	Mode 40-49 : GEL	40-49	GEL
		3	Kelvin	0-255	2500K to 10000K
		4	Saturation	0-255	0-100
		5	Gel family	0=L 1=R	See document L GEL list See document R GEL list
		6	Gel number	0-255	0-100
		7	ZOOM	0-255	13°-56°
		8	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
CHANGING Mode LIGHT SOURCES (7 channels)		1	Master intensity	0-255	0-100
		2	Mode 50-59 : LIGHT SOURCES	50-59	LIGHT SOURCES
		3	Kelvin	0-255	2500K to 10000K
		4	Saturation	0-255	0-100
		5	Lightsources number	0-255	See document Lightsources list
		6	ZOOM	0-255	13°-56°
		7	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
CHANGING Mode PRESETS (4 channels)		1	Master intensity	0-255	0-100
		2	Mode 60-69 : PRESETS	60-69	PRESETS
		3	Preset number	0-255	0-10
		4	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.

			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
CHANGING Mode EFFECTS (15 channels)	1	Master intensity	0-255	0-100
	2	Mode 70-79 : EFFECTS	70-79	EFFECTS
	3	Effect number	0-9 10-19 20-29 30-39 40-49 50-59 60-69 70-79 80-89	Effect 1 DISCO Effect 2 FLAME Effect 3 POLICE Effect 4 PULSE Effect 5 STROBE Effect 6 TV Effect 7 PAPARAZZI Effect 8 SUNRISE Effect 9 TRANSITION
	4	Parameter #1	0-255	0-100
	5	Parameter #2	0-255	0-100
	6	Parameter #3	0-255	0-100
	7	Parameter #4	0-255	0-100
	8	Parameter #5	0-255	0-100
	9	Parameter #6	0-255	0-100
	10	Parameter #7	0-255	0-100
	11	Reserved for future use	0-255	0-100
	12	Reserved for future use	0-255	0-100
	13	Reserved for future use	0-255	0-100
	14	ZOOM	0-255	13°-56°
	15	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
10 FULL Mode (138 channels)	1	Master intensity	0-255	0-100
	2	Control selector	0-9 10-19 20-29 30-39 40-49 50-59 60-69 70-79 80-89 90-99 100-109 110-119 120-129 130-139	BASE COLOR RGBWW GELS LIGHTSOURCES PRESETS Effect 1 DISCO Effect 2 FLAME Effect 3 POLICE Effect 4 PULSE Effect 5 STROBE Effect 6 TV Effect 7 PAPARAZZI Effect 8 SUNRISE Effect 9 TRANSITION
	3	Kelvin	0-255	2500K to 10000K
	4	Green / Magenta (100M to 100G)	0=Neutral 1-121=100M to 1 M 122-132= Neutral zone 133-255 = 1G to 100G	100M to 100G
	5	Saturation	0-255	0-100
	6	Red	0-255	0-100
	7	Green	0-255	0-100

	8	Blue	0-255	0-100
	9	ZOOM	0-255	13°-56°
	10	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			>=30 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
	11	Red	0-255	0-100
12	Green	0-255	0-100	
	13	Blue	0-255	0-100
	14	White	0-255	0-100
	15	Cold White	0-255	0-100
	16	ZOOM	0-255	13°-56°
	17	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
30-39 = Fan Off			Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.	
>39 = Reserved for future use				
18	Kelvin	0-255	2500K to 10000K	
19	Saturation	0-255	0-100	
20	Gel family	0=L 1=R	See document L GEL list See document R GEL list	
21	Gel number	0-255	0-100	
22	ZOOM	0-255	13°-56°	
	23	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
	24	Kelvin	0-255	2500K to 10000K
	25	Saturation	0-255	0-100
26	Light Source number	0-255	See document Lightsources list	
27	ZOOM	0-255	13°-56°	
	28	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.

		30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
		>39 = Reserved for future use	
29	Preset number	0-255	0-10
30	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
		10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
		20-29 = Full Speed	Fan operates at maximum power.
		30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
		>39 = Reserved for future use	
31	DISCO Loop speed	0-255	0-100
32	DISCO Saturation	0-255	0-100
33	DISCO Hue 1	0-255	0° to 359°
34	DISCO Hue 2	0-255	0° to 359°
35	DISCO Kelvin	0-255	2500K to 10000K
36	DISCO Smoothness	0-255	0-100
37	DISCO Direction	0-255	0-100
38	Reserved for future use	0-255	0-100
39	Reserved for future use	0-255	0-100
40	Reserved for future use	0-255	0-100
41	ZOOM	0-255	13°-56°
42	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
		10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
		20-29 = Full Speed	Fan operates at maximum power.
		30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
		>39 = Reserved for future use	
43	FLAME Flickr speed	0-255	0-100
44	FLAME Saturation	0-255	0-100
45	FLAME Hue	0-255	0° to 359°
46	FLAME Kelvin	0-255	2500K to 10000K
47	FLAME Smoothness	0-255	0-100
48	Reserved for future use	0-255	0-100
49	Reserved for future use	0-255	0-100
50	Reserved for future use	0-255	0-100
51	Reserved for future use	0-255	0-100
52	Reserved for future use	0-255	0-100
53	ZOOM	0-255	13°-56°
54	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
		10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
		20-29 = Full Speed	Fan operates at maximum power.

30-39 = Fan Off Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.

>39 = Reserved for future use

55	POLICE Loop speed	0-255	0-100
56	POLICE Hue 1	0-255	0° to 359°
57	POLICE Hue 2	0-255	0° to 359°
58	POLICE Kelvin	0-255	0=OFF, 2500K to 10000K
59	POLICE Smoothness	0-255	0-100
60	Reserved for future use	0-255	0-100
61	Reserved for future use	0-255	0-100
62	Reserved for future use	0-255	0-100
63	Reserved for future use	0-255	0-100
64	Reserved for future use	0-255	0-100
65	ZOOM	0-255	13°-56°
66	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
		10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
		20-29 = Full Speed	Fan operates at maximum power.
		30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
		>39 = Reserved for future use	
67	PULSE Loop speed	0-255	0-100
68	PULSE Flash time	0-255	0-100
69	PULSE Fade out	0-255	0-100
70	PULSE Saturation	0-255	0-100
71	PULSE Hue	0-255	0° to 359°
72	PULSE Kelvin	0-255	2500K to 10000K
73	Reserved for future use	0-255	0-100
74	Reserved for future use	0-255	0-100
75	Reserved for future use	0-255	0-100
76	Reserved for future use	0-255	0-100
77	ZOOM	0-255	13°-56°
78	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
		10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
		20-29 = Full Speed	Fan operates at maximum power.
		30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
		>39 = Reserved for future use	
79	STROBE Saturation	0-255	0-100
80	STROBE Hue	0-255	0° to 359°
81	STROBE Kelvin	0-255	2500K to 10000K
82	STROBE Flash time	0-255	0-100
83	Reserved for future use	0-255	0-100
84	Reserved for future use	0-255	0-100
85	Reserved for future use	0-255	0-100
86	Reserved for future use	0-255	0-100
87	Reserved for future use	0-255	0-100

	88	Reserved for future use	0-255	0-100
	89	ZOOM	0-255	13°-56°
	90	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
	91	TV Loop speed	0-255	0-100
	92	TV Saturation	0-255	0-100
	93	TV Hue 1	0-255	0° to 359°
	94	TV Hue 2	0-255	0° to 359°
	95	TV Smoothness	0-255	0-100
	96	TV Direction	0-255	0-100
	97	Reserved for future use	0-255	0-100
	98	Reserved for future use	0-255	0-100
	99	Reserved for future use	0-255	0-100
	100	Reserved for future use	0-255	0-100
	101	ZOOM	0-255	13°-56°
	102	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
	103	PAPARAZZI Kelvin	0-255	2500K to 10000K
	104	PAPARAZZI Flicker speed	0-255	0-100
	105	PAPARAZZI Flash time	0-255	0-100
	106	Reserved for future use	0-255	0-100
	107	Reserved for future use	0-255	0-100
	108	Reserved for future use	0-255	0-100
	109	Reserved for future use	0-255	0-100
	110	Reserved for future use	0-255	0-100
	111	Reserved for future use	0-255	0-100
	112	Reserved for future use	0-255	0-100
	113	ZOOM	0-255	13°-56°
	114	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.

				>39 = Reserved for future use	
		115	SUNRISE Intensity 1	0-255	0-100
		116	SUNRISE Intensity 2	0-255	0-100
		117	SUNRISE Saturation 1	0-255	0-100
		118	SUNRISE Saturation 2	0-255	0-100
		119	SUNRISE Hue 1	0-255	0° to 359°
		120	SUNRISE Hue 2	0-255	0° to 359°
		121	SUNRISE Kelvin	0-255	2500K to 10000K
		122	SUNRISE Time	0-255	0-100
		123	ZOOM START Position	0-255	13°-56°
		124	ZOOM STOP Position	0-255	13°-56°
		125	ZOOM SPEED	0-255	0-100
		126	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
		127	TRANSITION Light intensity 1	0-255	0-100
		128	TRANSITION Light intensity 2	0-255	0-100
		129	TRANSITION Hue 1	0-255	0° to 359°
		130	TRANSITION Hue 2	0-255	0° to 359°
		131	TRANSITION Time	0-255	0-100
		132	Reserved for future use	0-255	0-100
		133	Reserved for future use	0-255	0-100
		134	Reserved for future use	0-255	0-100
		135	ZOOM START Position	0-255	13°-56°
		136	ZOOM STOP Position	0-255	13°-56°
		137	ZOOM SPEED	0-255	0-100
		138	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	

KOSMOS DMX MAP 16 bits (Firmware V01_06.04)					
Mode Number	Mode Name	Channel	Function	Value	Kosmos range
1	CCT (6 channels)	1	Master intensity Course	0-255	0-65535
		2	Master intensity Fine	0-255	0-100
		3	Kelvin	0-255	2500K to 10000K
		4	Green / Magenta	0=Neutral 1-121=100M to 1 M 122-132= Neutral zone 133-255 = 1G to 100G	100M to 100G
		5	ZOOM	0-255	13°-56°
		6	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
2	CCT & HSI (8 channels)	1	Master intensity	0-255	0-65535
		2	Master intensity Fine	0-255	0-100
		3	Kelvin	0-255	2500K to 10000K
		4	Green / Magenta	0=Neutral 1-121=100M to 1 M 122-132= Neutral zone 133-255 = 1G to 100G	100M to 100G
		5	Saturation	0-255	0-100
		6	Hue	0-255	0° to 359°
		7	ZOOM	0-255	13°-56°
		8	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
3	CCT & RGB (13 channels)	1	Master intensity	0-255	0-65535
		2	Master intensity Fine	0-255	0-100
		3	Kelvin	0-255	2500K to 10000K
		4	Green / Magenta	0=Neutral 1-121=100M to 1 M 122-132= Neutral zone 133-255 = 1G to 100G	100M to 100G
		5	Saturation	0-255	0-100
		6	Red	0-255	0-65535
		7	Red Fine	0-255	0-100
		8	Green	0-255	0-65535
		9	Green Fine	0-255	0-100
		10	Blue	0-255	0-65535
		11	Blue Fine	0-255	0-100
		12	ZOOM	0-255	13°-56°
		13	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.

			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
	4 RGBWW (14 channels)	1	Master intensity	0-255 0-65535
		2	Master intensity Fine	0-255 0-100
		3	Red	0-255 0-65535
		4	Red Fine	0-255 0-100
		5	Green	0-255 0-65535
		6	Green Fine	0-255 0-100
		7	Blue	0-255 0-65535
		8	Blue Fine	0-255 0-100
		9	White	0-255 0-65535
		10	White Fine	0-255 0-100
		11	Cold White	0-255 0-65535
		12	Cold White Fine	0-255 0-100
		13	ZOOM	0-255 13°-56°
		14	FAN	0-9 = Silence Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
	5 GELS (8 channels)	1	Master intensity	0-255 0-65535
		2	Master intensity Fine	0-255 0-100
		3	Kelvin	0-255 2500K to 10000K
		4	Saturation	0-255 0-100
		5	Gel family	0=L See document L GEL list 1=R See document R GEL list
		6	Gel number	0-255
		7	ZOOM	0-255 13°-56°
		8	FAN	0-9 = Silence Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
	6 LIGHT SOURCES (7 channels)	1	Master intensity	0-255 0-65535
		2	Master intensity Fine	0-255 0-100
		3	Kelvin	0-255 2500K to 10000K
		4	Saturation	0-255 0-100
		5	Light Source number	0-255 See document Lightsources list

		6	ZOOM	0-255	13°-56°
		7	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
	7 PRESETS (4 channels)	1	Master intensity	0-255	0-65535
		2	Master intensity Fine	0-255	0-100
		3	Preset number	0-255	0-10
		4	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
	8 EFFECTS (15 channels)	1	Master intensity	0-255	0-65535
		2	Master intensity Fine	0-255	0-100
		3	Effect number	0-9 10-19 20-29 30-39 40-49 50-59 60-69 70-79 80-89	Effect 1 DISCO Effect 2 FLAME Effect 3 POLICE Effect 4 PULSE Effect 5 STROBE Effect 6 TV Effect 7 PAPARAZZI Effect 8 SUNRISE Effect 9 TRANSITION
		4	Parameter #1	0-255	0-100
		5	Parameter #2	0-255	0-100
		6	Parameter #3	0-255	0-100
		7	Parameter #4	0-255	0-100
		8	Parameter #5	0-255	0-100
		9	Parameter #6	0-255	0-100
		10	Parameter #7	0-255	0-100
		10	Reserved for future use	0-255	0-100
		11	Reserved for future use	0-255	0-100
		12	Reserved for future use	0-255	0-100
		13	ZOOM	0-255	0-100
		15	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.

			>39 = Reserved for future use
9	CHANGING Mode CCT (7 channels)	1	Master intensity 0-255 0-65535
		2	Master intensity Fine 0-255 0-100
		3	Mode 0-9 : CCT 0-9 CCT
		4	Kelvin 0-255 2500K to 10000K
		5	Green / Magenta 0=Neutral 1-121=100M to 1 M 122-132= Neutral zone 133-255 = 1G to 100G 100M to 100G
		6	ZOOM 0-255 13°-56°
		7	FAN 0-9 = Silence Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed Fan operates at maximum power.
			30-39 = Fan Off Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use
	CHANGING Mode CCT+HSI (9 channels)	1	Master intensity 0-255 0-65535
		2	Master intensity Fine 0-255 0-100
		3	Mode 10-19 : CCT+HSI 10-19 CCT+HSI
		4	Kelvin 0-255 2500K to 10000K
		5	Green / Magenta 0=Neutral 1-121=100M to 1 M 122-132= Neutral zone 133-255 = 1G to 100G 100M to 100G
		6	Saturation 0-255 0-100
		7	Hue 0-255 0° to 359°
		8	ZOOM 0-255 13°-56°
		9	FAN 0-9 = Silence Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed Fan operates at maximum power.
			30-39 = Fan Off Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use
	CHANGING Mode CCT+RGB (14 channels)	1	Master intensity 0-255 0-65535
		2	Master intensity Fine 0-255 0-100
		3	Mode 20-29 : CCT+RGB 20-29 CCT+RGB
		4	Kelvin 0-255 2500K to 10000K
		5	Green / Magenta 0=Neutral 1-121=100M to 1 M 122-132= Neutral zone 133-255 = 1G to 100G 100M to 100G
		6	Saturation 0-255 0-100
		7	Red 0-255 0-65535
		8	Red Fine 0-255 0-100
		9	Green 0-255 0-65535
		10	Green Fine 0-255 0-100
		11	Blue 0-255 0-65535
		12	Blue Fine 0-255 0-100
		13	ZOOM 0-255 13°-56°

		14	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
	CHANGING Mode RGBWW (15 channels)	1	Master intensity	0-255	0-65535
		2	Master intensity Fine	0-255	0-100
		3	Mode 30-39 : RGBWW	30-39	RGBWW
		4	Red	0-255	0-65535
		5	Red Fine	0-255	0-100
		6	Green	0-255	0-65535
		7	Green Fine	0-255	0-100
		8	Blue	0-255	0-65535
		9	Blue Fine	0-255	0-100
		10	White	0-255	0-65535
		11	White Fine	0-255	0-100
		12	Cold White	0-255	0-65535
		13	Cold White Fine	0-255	0-100
		14	ZOOM	0-255	13°-56°
		15	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
	CHANGING Mode GEL (9 channels)	1	Master intensity	0-255	0-65535
		2	Master intensity Fine	0-255	0-100
		3	Mode 40-49 : GEL	40-49	GEL
		4	Kelvin	0-255	2500K to 10000K
		5	Saturation	0-255	0-100
		6	Gel family	0=L 1=R	See document L GEL list See document R GEL list
		7	Gel number	0-255	0-100
		8	ZOOM	0-255	13°-56°
		9	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
	CHANGING Mode	1	Master intensity	0-255	0-65535

	LIGHT SOURCES (8 channels)	2	Master intensity Fine	0-255	0-100
		3	Mode 50-59 : LIGHT SOURCES	50-59	LIGHT SOURCES
		4	Kelvin	0-255	2500K to 10000K
		5	Saturation	0-255	0-100
		6	Lightsources number	0-255	See document Lightsources list
		7	ZOOM	0-255	13°-56°
		8	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
	CHANGING Mode PRESETS (5 channels)			20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
		1	Master intensity	0-255	0-65535
		2	Master intensity Fine	0-255	0-100
		3	Mode 60-69 : PRESETS	60-69	PRESETS
		4	Preset number	0-255	0-10
		5	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
	CHANGING Mode EFFECTS (16 channels)			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
		1	Master intensity	0-255	0-65535
		2	Master intensity Fine	0-255	0-100
		3	Mode 70-79 : EFFECTS	70-79	EFFECTS
		4	Effect number	0-9 10-19 20-29 30-39 40-49 50-59 60-69 70-79 80-89	Effect 1 DISCO Effect 2 FLAME Effect 3 POLICE Effect 4 PULSE Effect 5 STROBE Effect 6 TV Effect 7 PAPARAZZI Effect 8 SUNRISE Effect 9 TRANSITION
		5	Parameter #1	0-255	0-100
		6	Parameter #2	0-255	0-100
		7	Parameter #3	0-255	0-100
		8	Parameter #4	0-255	0-100
		9	Parameter #5	0-255	0-100
		10	Parameter #6	0-255	0-100
		11	Parameter #7	0-255	0-100
		12	Reserved for future use	0-255	0-100
		13	Reserved for future use	0-255	0-100
		14	Reserved for future use	0-255	0-100
		15	ZOOM	0-255	13°-56°
		16	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.

			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
10 FULL Mode (138 channels)	1	Master intensity	0-255	0-65535
	2	Master intensity Fine	0-255	0-100
	3	Control selector	0-9	BASE COLOR
			10-19	RGBWW
			20-29	GELS
			30-39	LIGHTSOURCES
			40-49	PRESETS
			50-59	Effect 1 DISCO
			60-69	Effect 2 FLAME
			70-79	Effect 3 POLICE
			80-89	Effect 4 PULSE
			90-99	Effect 5 STROBE
			100-109	Effect 6 TV
			110-119	Effect 7 PAPARAZZI
			120-129	Effect 8 SUNRISE
			130-139	Effect 9 TRANSITION
	4	Kelvin	0-255	2500K to 10000K
	5	Green / Magenta (100M to 100G)	0=Neutral	100M to 100G
			1-121=100M to 1 M	
			122-132= Neutral zone	
			133-255 = 1G to 100G	
	6	Saturation	0-255	0-100
	7	Red	0-255	0-65535
	8	Red Fine	0-255	0-100
	9	Green	0-255	0-65535
	10	Green Fine	0-255	0-100
	11	Blue	0-255	0-65535
	12	Blue Fine	0-255	0-100
	13	ZOOM	0-255	13°-56°
	14	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
	15	Red	0-255	0-65535
	16	Red Fine	0-255	0-100
	17	Green	0-255	0-65535
	18	Green Fine	0-255	0-100
	19	Blue	0-255	0-65535
	20	Blue Fine	0-255	0-100
	21	White	0-255	0-65535
	22	White Fine	0-255	0-100
	23	Cold White	0-255	0-65535
	24	Cold White Fine	0-255	0-100
	25	ZOOM	0-255	13°-56°
	26	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.

				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
		27	Kelvin	0-255	2500K to 10000K
		28	Saturation	0-255	0-100
		29	Gel family	0=L 1=R	See document L GEL list See document R GEL list
		30	Gel number	0-255	0-100
		31	ZOOM	0-255	13°-56°
		32	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
		33	Kelvin	0-255	2500K to 10000K
		34	Saturation	0-255	0-100
		35	Light Source number	0-255	See document Lightsources list
		36	ZOOM	0-255	13°-56°
		37	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
		38	Preset number	0-255	0-10
		39	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
		40	DISCO Loop speed	0-255	0-100
		41	DISCO Saturation	0-255	0-100
		42	DISCO Hue 1	0-255	0° to 359°

		43	DISCO Hue 2	0-255	0° to 359°
		44	DISCO Kelvin	0-255	2500K to 10000K
		45	DISCO Smoothness	0-255	0-100
		46	DISCO Direction	0-255	0-100
		47	Reserved for future use	0-255	0-100
		48	Reserved for future use	0-255	0-100
		49	Reserved for future use	0-255	0-100
		50	ZOOM	0-255	13°-56°
		51	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
		52	FLAME Flickr speed	0-255	0-100
		53	FLAME Saturation	0-255	0-100
		54	FLAME Hue	0-255	0° to 359°
		55	FLAME Kelvin	0-255	2500K to 10000K
		56	FLAME Smoothness	0-255	0-100
		57	Reserved for future use	0-255	0-100
		58	Reserved for future use	0-255	0-100
		59	Reserved for future use	0-255	0-100
		60	Reserved for future use	0-255	0-100
		61	Reserved for future use	0-255	0-100
		62	ZOOM	0-255	13°-56°
		63	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	
		64	POLICE Loop speed	0-255	0-100
		65	POLICE Hue 1	0-255	0° to 359°
		66	POLICE Hue 2	0-255	0° to 359°
		67	POLICE Kelvin	0-255	0=OFF, 2500K to 10000K
		68	POLICE Smoothness	0-255	0-100
		69	Reserved for future use	0-255	0-100
		70	Reserved for future use	0-255	0-100
		71	Reserved for future use	0-255	0-100
		72	Reserved for future use	0-255	0-100
		73	Reserved for future use	0-255	0-100
		74	ZOOM	0-255	13°-56°
		75	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.

			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
		76	PULSE Loop speed	0-255 0-100
		77	PULSE Flash time	0-255 0-100
		78	PULSE Fade out	0-255 0-100
		79	PULSE Saturation	0-255 0-100
		80	PULSE Hue	0-255 0° to 359°
		81	PULSE Kelvin	0-255 2500K to 10000K
		82	Reserved for future use	0-255 0-100
		83	Reserved for future use	0-255 0-100
		84	Reserved for future use	0-255 0-100
		85	Reserved for future use	0-255 0-100
		86	ZOOM	0-255 13°-56°
		87	FAN	0-9 = Silence Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
		88	STROBE Saturation	0-255 0-100
		89	STROBE Hue	0-255 0° to 359°
		90	STROBE Kelvin	0-255 2500K to 10000K
		91	STROBE Flash time	0-255 0-100
		92	Reserved for future use	0-255 0-100
		93	Reserved for future use	0-255 0-100
		94	Reserved for future use	0-255 0-100
		95	Reserved for future use	0-255 0-100
		96	Reserved for future use	0-255 0-100
		97	Reserved for future use	0-255 0-100
		98	ZOOM	0-255 13°-56°
		99	FAN	0-9 = Silence Fan speed according to LED temperature. Maximum power priority.
			10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
			20-29 = Full Speed	Fan operates at maximum power.
			30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
			>39 = Reserved for future use	
		100	TV Loop speed	0-255 0-100
		101	TV Saturation	0-255 0-100
		102	TV Hue 1	0-255 0° to 359°
		103	TV Hue 2	0-255 0° to 359°
		104	TV Smoothness	0-255 0-100
		105	TV Direction	0-255 0-100
		106	Reserved for future use	0-255 0-100
		107	Reserved for future use	0-255 0-100
		108	Reserved for future use	0-255 0-100
		109	Reserved for future use	0-255 0-100
		110	ZOOM	0-255 13°-56°

111	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
		10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
		20-29 = Full Speed	Fan operates at maximum power.
		30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
		>39 = Reserved for future use	
112	PAPARAZZI Kelvin	0-255	2500K to 10000K
113	PAPARAZZI Flicker speed	0-255	0-100
114	PAPARAZZI Flash time	0-255	0-100
115	Reserved for future use	0-255	0-100
116	Reserved for future use	0-255	0-100
117	Reserved for future use	0-255	0-100
118	Reserved for future use	0-255	0-100
119	Reserved for future use	0-255	0-100
120	Reserved for future use	0-255	0-100
121	Reserved for future use	0-255	0-100
122	ZOOM	0-255	13°-56°
123	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
		10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
		20-29 = Full Speed	Fan operates at maximum power.
		30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
		>39 = Reserved for future use	
124	SUNRISE Intensity 1	0-255	0-100
125	SUNRISE Intensity 2	0-255	0-100
126	SUNRISE Saturation 1	0-255	0-100
127	SUNRISE Saturation 2	0-255	0-100
128	SUNRISE Hue 1	0-255	0° to 359°
129	SUNRISE Hue 2	0-255	0° to 359°
130	SUNRISE Kelvin	0-255	2500K to 10000K
131	SUNRISE Time	0-255	0-100
132	ZOOM START Position	0-255	13°-56°
133	ZOOM STOP Position	0-255	13°-56°
134	ZOOM SPEED	0-255	0-100
135	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
		10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
		20-29 = Full Speed	Fan operates at maximum power.
		30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
		>39 = Reserved for future use	
136	TRANSITION Light intensity 1	0-255	0-100
137	TRANSITION Light intensity 2	0-255	0-100

		138	TRANSITION Hue 1	0-255	0° to 359°
		139	TRANSITION Hue 2	0-255	0° to 359°
		140	TRANSITION Time	0-255	0-100
		141	Reserved for future use	0-255	0-100
		142	Reserved for future use	0-255	0-100
		143	Reserved for future use	0-255	0-100
		144	ZOOM START Position	0-255	13°-56°
		145	ZOOM STOP Position	0-255	13°-56°
		146	ZOOM SPEED	0-255	0-100
		147	FAN	0-9 = Silence	Fan speed according to LED temperature. Maximum power priority.
				10-19 = Dynamic	Fan speed according to LED temperature. Maximum power priority.
				20-29 = Full Speed	Fan operates at maximum power.
				30-39 = Fan Off	Fan only operates in the limit to protect the LED. Maximum power might be reduced and light switched off.
				>39 = Reserved for future use	

DMX VALUE CLASS NUMBER NAME

0	L	no filter
1	L	283 1 1/2 CTB
2	L	286 1 1/2 CTO
3	L	202 1/2 CTB
4	L	205 1/2 CTO
5	L	442 1/2 CTS
6	L	248 1/2 Minus Green
7	L	245 1/2 Plus Green
8	L	203 1/4 CTB
9	L	206 1/4 CTO
10	L	443 1/4 CTS
11	L	249 1/4 Minus Green
12	L	246 1/4 Plus Green
13	L	218 1/8 CTB
14	L	223 1/8 CTO
15	L	444 1/8 CTS
16	L	279 1/8 Minus Green
17	L	278 1/8 Plus Green
18	L	281 3/4 CTB
19	L	285 3/4 CTO
20	L	197 Alice Blue
21	L	147 Apricot
22	L	600 Arctic White
23	L	162 Bastard Amber
24	L	779 Bastard Pink
25	L	712 Bedford Blue
26	L	721 Berry Blue
27	L	789 Blood Red
28	L	217 Blue Diffusion
29	L	221 Blue Frost
30	L	742 Bram Brown
31	L	128 Bright Pink
32	L	26 Bright Red
33	L	148 Bright Rose
34	L	746 Brown
35	L	715 Cabana Blue
36	L	773 Cardbox Amber
37	L	156 Chocolate
38	L	237 CID to Tungsten
39	L	711 Cold Blue
40	L	703 Cold Lavender
41	L	719 Colour Wash Blue

42	L	708 Cool Lavender
43	L	189 Cosm.Silver Moss
44	L	186 Cosm.Silver Rose
45	L	191 Cosmet.Aqua Blue
46	L	188 Cosmet.Highlight
47	L	184 Cosmetic Peach
48	L	187 Cosmetic Rouge
49	L	238 CSI to Tungsten
50	L	733 Damp Squib
51	L	22 Dark Amber
52	L	124 Dark Green
53	L	180 Dark Lavender
54	L	46 Dark Magenta
55	L	111 Dark Pink
56	L	8 Dark Salmon
57	L	174 Dark Steel Blue
58	L	90 Dark Yellow Grn.
59	L	165 Daylight Blue
60	L	224 Daylight Blue Fr
61	L	104 Deep Amber
62	L	120 Deep Blue
63	L	135 Deep Golden Amb.
64	L	170 Deep Lavender
65	L	85 Deeper Blue
66	L	731 Dirty Ice
67	L	744 Dirty White
68	L	200 Double CTB
69	L	287 Double CTO
70	L	720 Durham Daylight
71	L	750 Durham Frost
72	L	747 Easy White
73	L	709 Electric Lilac
74	L	714 Elysian Blue
75	L	108 English Rose
76	L	75 Evening Blue
77	L	122 Fern Green
78	L	19 Fire
79	L	164 Flame Red
80	L	192 Flesh Pink
81	L	604 Full CT 85
82	L	201 Full CTB
83	L	204 Full CTO
84	L	207 Full CTO + .3 ND
85	L	208 Full CTO + .6 ND

86	L	441 Full CTS
87	L	21 Gold Amber
88	L	151 Gold int
89	L	134 Golden Amber
90	L	718 Half Shanklin Fr
91	L	749 Hampshire Rose
92	L	651 HI Sodium
93	L	236 HMI to Tungsten
94	L	650 Industry Sodium
95	L	738 JAS Green
96	L	79 Just Blue
97	L	706 King Fals Lavend
98	L	243 L. Fluoresc.3600K
99	L	241 L. Fluoresc.5700K
100	L	121 L. Green
101	L	247 L. Minus Green
102	L	244 L. Plus Green
103	L	765 L. Yellow
104	L	230 L.C.T. Yellow
105	L	212 L.C.T.Yellow(Y1)
106	L	242 L.Fluoresc.4300K
107	L	219 L.Fluoresc.Green
108	L	58 Lavender
109	L	3 Lavender Tint
110	L	730 Liberty Green
111	L	102 Light Amber
112	L	118 Light Blue
113	L	52 Light Lavender
114	L	35 Light Pink
115	L	182 Light Red
116	L	107 Light Rose
117	L	109 Light Salmon
118	L	169 Lilac Tint
119	L	704 Lily
120	L	705 Lily Frost
121	L	88 Lime Green
122	L	653 LO Sodium
123	L	176 Loving Amber
124	L	113 Magenta
125	L	795 Magical Magenta
126	L	131 Marine Blue
127	L	4 Med.Bastard Amb.
128	L	20 Medium Amber
129	L	36 Medium Pink

130	L	10 Medium Yellow
131	L	110 Middle Rose
132	L	716 Mikkel Blue
133	L	778 Millennium Gold
134	L	61 Mist Blue
135	L	603 Moonlight White
136	L	791 Moroccan Frost
137	L	790 Moroccan Pink
138	L	89 Moss Green
139	L	776 Nectarine
140	L	144 No Color Blue
141	L	159 No Color Straw
142	L	724 Ocean Blue
143	L	725 Old Steel Blue
144	L	198 Palace Blue
145	L	9 Pale Amber Gold
146	L	63 Pale Blue
147	L	152 Pale Gold
148	L	138 Pale Green
149	L	136 Pale Lavender
150	L	143 Pale Navy Blue
151	L	154 Pale Rose
152	L	153 Pale Salmon
153	L	142 Pale Violet
154	L	7 Pale Yellow
155	L	53 Paler Lavender
156	L	115 Peacock Blue
157	L	700 Perfect Lavender
158	L	157 Pink
159	L	602 Platinum
160	L	794 Pretty n Pink
161	L	106 Primary Red
162	L	701 Provence
163	L	199 Regal Blue
164	L	2 Rose Pink
165	L	48 Rose Purple
166	L	24 Scarlet
167	L	748 Seedy Pink
168	L	717 Shanklin Frost
169	L	601 Silver
170	L	68 Sky Blue
171	L	161 Slate Blue
172	L	127 Smokey Pink
173	L	774 Soft Amber Key 1

174	L	775 Soft Amber Key 2
175	L	702 Spec.Pale Lavend
176	L	137 Special Lavender
177	L	710 Spir Special Blu
178	L	100 Spring Yellow
179	L	117 Steel Blue
180	L	728 Steel Green
181	L	103 Straw
182	L	13 Straw Tint
183	L	140 Summer Blue
184	L	764 Sun Colour Straw
185	L	25 Sunset Red
186	L	17 Surprise Peach
187	L	194 Surprise Pink
188	L	781 Terry Red
189	L	196 True Blue
190	L	652 Urban Sodium
191	L	723 Virgin Blue
192	L	232 W.F. Green
193	L	763 Wheat
194	L	213 White Flame Grn.
195	L	101 Yellow
196	L	195 Zenith Blue

DMX VALUE CLASS NUMBER NAME

0	R	no filter
1	R	3204 1/2 CTB
2	R	3408 1/2 CTO
3	R	3442 1/2 CTS
4	R	3313 1/2 Minusgreen
5	R	3315 1/2 Plusgreen
6	R	3206 1/3 CTB
7	R	3208 1/4 CTB
8	R	3409 1/4 CTO
9	R	3443 1/4 CTS
10	R	3314 1/4 Minusgreen
11	R	3316 1/4 Plusgreen
12	R	3216 1/8 CTB
13	R	3410 1/8 CTO
14	R	3444 1/8 CTS
15	R	3318 1/8 Minusgreen
16	R	3317 1/8 Plusgreen
17	R	4215 15 Blue
18	R	4315 15 Cyan
19	R	4415 15 Green
20	R	4915 15 Lavender
21	R	4715 15 Magenta
22	R	4815 15 Pink
23	R	4615 15 Red
24	R	4515 15 Yellow
25	R	3203 3/4 CTB
26	R	3411 3/4 CTO
27	R	3309 3/4 Minusgreen
28	R	4230 30 Blue
29	R	4330 30 Cyan
30	R	4430 30 Green
31	R	4930 30 Lavender
32	R	4730 30 Magenta
33	R	4830 30 Pink
34	R	4630 30 Red
35	R	4530 30 Yellow
36	R	4260 60 Blue
37	R	4360 60 Cyan
38	R	4460 60 Green
39	R	4960 60 Lavender
40	R	4760 60 Magenta
41	R	4860 60 Pink

42	R	4660 60 Red
43	R	4560 60 Yellow
44	R	4307 7 Cyan
45	R	4290 90 Blue
46	R	4390 90 Cyan
47	R	4490 90 Green
48	R	4990 90 Lavender
49	R	4790 90 Magenta
50	R	4890 90 Pink
51	R	4690 90 Red
52	R	4590 90 Yellow
53	R	378 Alice Blue
54	R	381 Baldassari Blue
55	R	2 Bastard Amber
56	R	376 Bermuda Blue
57	R	364 Blue Bell
58	R	93 Blue Green
59	R	333 Blush Pink
60	R	62 Booster Blue
61	R	375 Cerulean Blue
62	R	99 Chocolate
63	R	360 Clearwater
64	R	310 Daffodil
65	R	65 Daylight Blue
66	R	42 Deep Salmon
67	R	3220 Double CTB
68	R	3420 Double CTO
69	R	18 Flame
70	R	34 Flesh Pink
71	R	3310 Fluorofilter
72	R	3202 Full CTB
73	R	3407 Full CTO
74	R	3441 Full CTS
75	R	3308 Full Minusgreen
76	R	3304 Full Plusgreen
77	R	316 Gallo Gold
78	R	21 Golden Amber
79	R	77 Green Blue
80	R	325 Henna Sky
81	R	3150 Industrial Vapor
82	R	16 Light Amber
83	R	17 Light Flame
84	R	88 Light Green
85	R	26 Light Red

86	R	47 Light Rose Purp.
87	R	318 Mayan Sun
88	R	83 Medium Blue
89	R	44 Middle Rose
90	R	89 Moss Green
91	R	60 No Color Blue
92	R	33 No Color Pink
93	R	6 No Color Straw
94	R	23 Orange
95	R	302 Pale Bastard Amb
96	R	8 Pale Gold
97	R	37 Pale Rose Pink
98	R	87 Pale Yellow Grn.
99	R	80 Primary Blue
100	R	91 Primary Green
101	R	41 Salmon
102	R	321 Soft Golden Amb.
103	R	12 Straw
104	R	51 Surprise Pink
105	R	365 Tharon Delft Blu
106	R	362 Tipton Blue
107	R	3134 Tough MT 54
108	R	3102 Tough MT2
109	R	3106 Tough MTY
110	R	3107 Tough Y-1
111	R	92 Turquoise
112	R	3152 Urban Vapor
113	R	2006 VS Azure
114	R	2007 VS Blue
115	R	2005 VS Cyan
116	R	2004 VS Green
117	R	2008 VS Indigo
118	R	2010 VS Magenta
119	R	2002 VS Orange
120	R	2001 VS Red
121	R	2009 VS Violet
122	R	2003 VS Yellow

DMX	KELVIN			
0	2500			
3	2600			
6	2700			
9	2800			
12	2900			
15	2900			
18	3000			
21	3100			
24	3200			
27	3300			
30	3400			
33	3500			
36	3600			
39	3600			
42	3700			
45	3800			
48	3900			
51	4000			
54	4100			
57	4200			
60	4300			
63	4400			
66	4400			
69	4500			
72	4600			
75	4700			
78	4800			
81	4900			
84	5000			
87	5100			
90	5100			
93	5200			
96	5300			
99	5400			
102	5500			
105	5600			
108	5700			
111	5800			
114	5900			
117	5900			
120	6000			
123	6100			
126	6200			
129	6300			
132	6400			
135	6500			
138	6600			
141	6600			
144	6700			
147	6800			

150	6900			
153	7000			
156	7100			
159	7200			
162	7300			
165	7400			
168	7400			
171	7500			
174	7600			
177	7700			
180	7800			
183	7900			
186	8000			
189	8100			
192	8100			
195	8200			
198	8300			
201	8400			
204	8500			
207	8600			
210	8700			
213	8800			
216	8900			
219	8900			
222	9000			
225	9100			
228	9200			
231	9300			
234	9400			
237	9500			
240	9600			
243	9600			
246	9700			
249	9800			
252	9900			
255	9900			

MODE NUMBER	MODE NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14
8	EFFECTS mode 14 channels	Master Intensity Values = 0 - 255 Percent = 0 - 100	Effect DISCO Values = 0-9	DISCO Loop speed	DISCO Saturation	DISCO Hue 1	DISCO Hue 2	DISCO Kelvin	DISCO Smoothness	DISCO Direction	reserved for future use	reserved for future use	reserved for future use	ZOOM	FAN values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
8	EFFECTS mode 14 channels	Master Intensity Values = 0 - 255 Percent = 0 - 100	Effect FLAME Values = 10-19	FLAME Flicker speed	FLAME Saturation	FLAME Hue	FLAME Kelvin	FLAME Smoothness	reserved for future use	reserved for future use	reserved for future use	reserved for future use	reserved for future use	ZOOM	FAN values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
8	EFFECTS mode 14 channels	Master Intensity Values = 0 - 255 Percent = 0 - 100	Effect POLICE Values = 20-29	POLICE Loop speed	POLICE Hue 1	POLICE Hue 2	POLICE Kelvin 0= OFF range 2500K-9900K	POLICE Smoothness	reserved for future use	reserved for future use	reserved for future use	reserved for future use	reserved for future use	ZOOM	FAN values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
8	EFFECTS mode 14 channels	Master Intensity Values = 0 - 255 Percent = 0 - 100	Effect PULSE Values = 30-39	PULSE Loop speed	PULSE Flash time	PULSE Fade out	PULSE Saturation	PULSE Hue	PULSE Kelvin	reserved for future use	reserved for future use	reserved for future use	reserved for future use	ZOOM	FAN values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
8	EFFECTS mode 14 channels	Master Intensity Values = 0 - 255 Percent = 0 - 100	Effect STROBE Values = 40-49	STROBE Saturation	STROBE Hue	STROBE Kelvin	STROBE Flash time	reserved for future use	reserved for future use	reserved for future use	reserved for future use	reserved for future use	reserved for future use	ZOOM	FAN values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
8	EFFECTS mode 14 channels	Master Intensity Values = 0 - 255 Percent = 0 - 100	Effect TV Values = 50-59	TV Loop speed	TV Saturation	TV Hue 1	TV Hue 2	TV Smoothness	TV Direction	reserved for future use	reserved for future use	reserved for future use	reserved for future use	ZOOM	FAN values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
8	EFFECTS mode 14 channels	Master Intensity Values = 0 - 255 Percent = 0 - 100	Effect PAPARAZZI Values = 60-69	PAPARAZZI Kelvin	PAPARAZZI Flicker speed	PAPARAZZI Flash time	reserved for future use	reserved for future use	reserved for future use	reserved for future use	reserved for future use	reserved for future use	reserved for future use	ZOOM	FAN values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
8	EFFECTS mode 14 channels	Master Intensity Values = 0 - 255 Percent = 0 - 100	Effect SUNRISE Values = 70-79	SUNRISE Intensity 1	SUNRISE Intensity 2	SUNRISE Saturation 1	SUNRISE Saturation 2	SUNRISE Hue 1	SUNRISE Hue 2	SUNRISE Kelvin	SUNRISE Time	ZOOM START Position	ZOOM STOP Position	ZOOM SPEED	FAN values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
8	EFFECTS mode 14 channels	Master Intensity Values = 0 - 255 Percent = 0 - 100	Effect TRANSITION Values = 80-89	TRANSITION Light intensity 1	TRANSITION Light intensity 2	TRANSITION Hue 1	TRANSITION Hue 2	TRANSITION Time	Parameter #6	Parameter #7	Parameter #8	ZOOM START Position	ZOOM STOP Position	ZOOM SPEED	FAN values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)

MODE NUMBER	MODE NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
18	EFFECTS mode 15 channels	Master Intensity Coarse Values = 0 - 255 Percent = 0 - 100	Master Intensity Fine Values = 0 - 255 Percent = 0 - 100	Effect DISCO Values = 0-9	DISCO Loop speed	DISCO Saturation	DISCO Hue 1	DISCO Hue 2	DISCO Kelvin	DISCO Smoothness	DISCO Direction	reserved for future use	reserved for future use	reserved for future use	ZOOM	FAN Values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
18	EFFECTS mode 15 channels	Master Intensity Coarse Values = 0 - 255 Percent = 0 - 100	Master Intensity Fine Values = 0 - 255 Percent = 0 - 100	Effect FLAME Values = 10-19	FLAME Flicker speed	FLAME Saturation	FLAME Hue	FLAME Kelvin	FLAME Smoothness	reserved for future use	reserved for future use	reserved for future use	reserved for future use	reserved for future use	ZOOM	FAN Values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
18	EFFECTS mode 15 channels	Master Intensity Coarse Values = 0 - 255 Percent = 0 - 100	Master Intensity Fine Values = 0 - 255 Percent = 0 - 100	Effect POLICE Values = 20-29	POLICE Loop speed	POLICE Hue 1	POLICE Hue 2	POLICE Kelvin 0= OFF range 2500K-9900K	POLICE Smoothness	reserved for future use	reserved for future use	reserved for future use	reserved for future use	reserved for future use	ZOOM	FAN Values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
18	EFFECTS mode 15 channels	Master Intensity Coarse Values = 0 - 255 Percent = 0 - 100	Master Intensity Fine Values = 0 - 255 Percent = 0 - 100	Effect PULSE Values = 30-39	PULSE Loop speed	PULSE Flash time	PULSE Fade out	PULSE Saturation	PULSE Hue	PULSE Kelvin	reserved for future use	reserved for future use	reserved for future use	reserved for future use	ZOOM	FAN Values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
18	EFFECTS mode 15 channels	Master Intensity Coarse Values = 0 - 255 Percent = 0 - 100	Master Intensity Fine Values = 0 - 255 Percent = 0 - 100	Effect STROBE Values = 40-49	STROBE Saturation	STROBE Hue	STROBE Kelvin	STROBE Flash time	reserved for future use	reserved for future use	reserved for future use	reserved for future use	reserved for future use	reserved for future use	ZOOM	FAN Values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
18	EFFECTS mode 15 channels	Master Intensity Coarse Values = 0 - 255 Percent = 0 - 100	Master Intensity Fine Values = 0 - 255 Percent = 0 - 100	Effect TV Values = 50-59	TV Loop speed	TV Saturation	TV Hue 1	TV Hue 2	TV Smoothness	TV Direction	reserved for future use	reserved for future use	reserved for future use	reserved for future use	ZOOM	FAN Values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
18	EFFECTS mode 15 channels	Master Intensity Coarse Values = 0 - 255 Percent = 0 - 100	Master Intensity Fine Values = 0 - 255 Percent = 0 - 100	Effect PAPARAZZI Values = 60-69	PAPARAZZI Kelvin	PAPARAZZI Flicker speed	PAPARAZZI Flash time	reserved for future use	reserved for future use	reserved for future use	reserved for future use	reserved for future use	reserved for future use	reserved for future use	ZOOM	FAN Values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
18	EFFECTS mode 15 channels	Master Intensity Coarse Values = 0 - 255 Percent = 0 - 100	Master Intensity Fine Values = 0 - 255 Percent = 0 - 100	Effect SUNRISE Values = 70-79	SUNRISE Intensity 1	SUNRISE Intensity 2	SUNRISE Saturation 1	SUNRISE Saturation 2	SUNRISE Hue 1	SUNRISE Hue 2	SUNRISE Kelvin	SUNRISE Time	ZOOM START Position	ZOOM STOP Position	ZOOM SPEED	FAN Values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)
18	EFFECTS mode 15 channels	Master Intensity Coarse Values = 0 - 255 Percent = 0 - 100	Master Intensity Fine Values = 0 - 255 Percent = 0 - 100	Effect TRANSITION Values = 80-89	TRANSITION Light intensity 1	TRANSITION Light intensity 2	TRANSITION Hue 1	TRANSITION Hue 2	TRANSITION Time	Parameter -#6	Parameter -#7	Parameter #8	ZOOM START Position	ZOOM STOP Position	ZOOM SPEED	FAN Values = 0 - 255 (Selects mode every 10 Dmx steps See Fan modes tab for more information)