DMX CHART

ROXX®

CLUSTER B4 EVO

4-Lite Audience Blinder

1CH DWE	8CH STROBE	14CH BASIC RGB	20CH DIRECT
2CH DWE	22CH Comp	21CH STANDARD RGB (default)	12CH DIRECT
4-1CH DWE	21CH SECTION RGB	38CH STANDARD RGB	29CH DIRECT
4-2CH DWE	12CH RGB	40CH EXTENDED RGB	48CH DIRECT
9CH DWE+	10CH BASIC RGB	57CH EXTENDED RGB	73CH DIRECT

CH	1CH DWE (Calibrated)	2CH DWE (Calibrated)	4-1CH DWE (Calibrated)	4-2CH DWE (Calibrated)	9CH DWE+ (Calibrated)	8CH STROBE MODE (Calibrated)	22CH Comp RGB (Calibrated)	22CH SECTION RGB (Calibrated)	12CH RGB (Calibrated)	10CH Basic RGB (Calibrated)
1	Dimmer	Dimmer 1	Dimmer 1	Dimmer	Master Dimmer	Master Dimmer	Dimmer 1	Dimmer 1	Red 1	Master Dimmer
2		Dimmer 2	Dimmer 2	Dimmer Curve	Shutter	Shutter	Red 1	Red 1	Green 1	Shutter
3			Dimmer 3	Dimmer Response	Red	Duration	Green 1	Green 1	Blue 1	Red
4			Dimmer 4	Redshift	Green	Dimmer 1	Blue 1	Blue 1	Red 2	Green
5					Blue	Dimmer 2	Dimmer 2	CTC 1	Green 2	Blue
6					CTC (affects RGB)	Dimmer 3	Red 2	Dimmer 2	Blue 2	CTC (affects RGB)
7					Dimmer Curve	Dimmer 4	Green 2	Red 2	Red 3	Tint (affects CTC and RGB)
8					Dimmer Response	CCT	Blue 2	Green 2	Green 3	Color Macro (override RGB/ CTC)
9					Redshift		Shutter 1+2	Blue 2	Blue 3	Color Macro Crossfade (Transition Time between Color Macros)
10							CTC (affects RGB 1+2)	CTC 2	Red 4	Device Settings
11							Device Settings	Dimmer 3	Green 4	
12							Dimmer 3	Red 3	Blue 4	

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CH	1CH DWE (Calibrated)	2CH DWE (Calibrated)	4-1CH DWE (Calibrated)	4-2CH DWE (Calibrated)	9CH DWE+ (Calibrated)	8CH STROBE MODE (Calibrated)	22CH Comp RGB (Calibrated)	22CH SECTION RGB (Calibrated)	12CH RGB (Calibrated)	10CH Basic RGB (Calibrated)
13							Red 3	Green 3		
14							Green 3	Blue 3		
15							Blue 3	CTC 3		
16							Dimmer 4	Dimmer 4		
17							Red 4	Red 4		
18							Green 4	Green 4		
19							Blue 4	Blue 4		
20							Shutter 3+4	CTC 4		
21							CTC (affects RGB 3+4)	Device Settings		
22							Device Settings			

CH	14CH BASIC RGB (Calibrated)	21CH STANDARD RGB default (Calibrated)	38CH STANDARD RGB (Calibrated)	40CH EXTENDED RGB (Calibrated)	57CH EXTENDED RGB (Calibrated)	20CH DIRECT (RAW)	12CH DIRECT (RAW)	29CH DIRECT (RAW)	48CH DIRECT (RAW)	73CH DIRECT (RAW)
1	Master Dimmer	Master Dimmer	Master Dimmer	Master Dimmer	Master Dimmer	Red 1	Master Dimmer	Master Dimmer	Master Dimmer	Master Dimmer
2	Master Dimmer Fine	Shutter	Master Dimmer Fine	Shutter	Master Dimmer Fine	Green 1	Shutter	Shutter	Shutter	Master Dimmer Fine
3	Shutter	Dimmer 1	Shutter	Duration	Shutter	Blue 1	Red	Dimmer 1	Duration	Shutter
4	Red	Red 1	Dimmer 1	Dimmer 1	Duration	Amber 1	Green	Red 1	Dimmer 1	Duration
5	Red Fine	Green 1	Dimmer 1 Fine	Red 1	Dimmer 1	White 1	Blue	Green 1	Red 1	Dimmer 1
6	Green	Blue 1	Red 1	Green 1	Dimmer 1 Fine	Red 2	Amber	Blue 1	Green 1	Dimmer Fine 1
7	Green Fine	Dimmer 2	Red Fine 1	Blue 1	Red 1	Green 2	White	Amber 1	Blue 1	Red 1
8	Blue	Red 2	Green 1	CTC 1 (affects RGB 1)	Red Fine 1	Blue 2	CTC (affects RGBAW)	White 1	Amber 1	Red Fine 1
9	Blue Fine	Green 2	Green Fine 1	Tint 1 (affects CTC 1 and RGB 1)	Green 1	Amber 2	Tint (affects CTC and RGBAW)	Dimmer 2	White 1	Green 1
10	CTC (affects RGB)	Blue 2	Blue 1	Color Macro 1 (override RGB 1/ CTC 1)	Green Fine 1	White 2	Color Ma-cro (override RGBAW/CTC)	Red 2	CTC 1 (affects RGBAW 1)	Green Fine 1

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CH	14CH BASIC RGB (Calibrated)	21CH STANDARD RGB default (Calibrated)	38CH STANDARD RGB (Calibrated)	40CH EXTENDED RGB (Calibrated)	57CH EXTENDED RGB (Calibrated)	20CH DIRECT (RAW)	12CH DIRECT (RAW)	29CH DIRECT (RAW)	48CH DIRECT (RAW)	73CH DIRECT (RAW)
11	Tint (affects CTC and RGB)	Dimmer 3	Blue Fine 1	Color Macro Crossfade 1 (Transition Time between Color Macros 1)	Blue 1	Red 3	Color Macro Crossfade (Transition Time between Color Macros)	Green 2	Tint 1 (affects CTC 1 and RGBAW 1)	Blue 1
12	Color Macro (override RGB/ CTC)	Red 3	Dimmer 2	Dimmer 2	Blue Fine 1	Green 3	Device Settings	Blue 2	Color Macro 1 (override RGBAW 1/ CTC 1)	Blue Fine 1
13	Color Macro Crossfade (Transition Time between Color Macros)	Green 3	Dimmer 2 Fine	Red 2	CTC 1 (affects RGB 1)	Blue 3		Amber 2	Color Macro Crossfade 1 (Transition Time between Color Macros 1)	Amber 1
14	Device Settings	Blue 3	Red 2	Green 2	Tint 1 (affects CTC 1 and RGB 1)	Amber 3		White 2	Dimmer 2	Amber Fine 1
15		Dimmer 4	Red Fine 2	Blue 2	Color Macro 1 (override RGB 1/ CTC 1)	White 3		Dimmer 3	Red 2	White 1
16		Red 4	Green 2	CTC 2 (affects RGB 2)	Color Macro Crossfade 1 (Transition Time between Color Macros 1)	Red 4		Red 3	Green 2	White Fine 1
17		Green 4	Green Fine 2	Tint 2 (affects CTC 2 and RGB 2)	Dimmer 2	Green 4		Green 3	Blue 2	CTC 1 (affects RGBAW 1)
18		Blue 4	Blue 2	Color Macro 2 (override RGB 2 / CTC 2)	Dimmer 2 Fine	Blue 4		Blue 3	Amber 2	Tint 1 (affects CTC 1 and RGBAW 1)
19		CTC (affects RGB 1-4)	Blue Fine 2	Color Macro Crossfade 2 (Transition Time between Color Macros 2)	Red 2	Amber 4		Amber 3	White 2	Color Macro 1 (override RGBAW 1/ CTC 1)
20		Tint (affects CTC and RGB 1-4)	Dimmer 3	Dimmer 3	Red Fine 2	White 4		White 3	CTC 2 (affects RGBAW 2)	Color Macro Crossfade 1 (Transition Time between Color Macros 1)

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CH	14CH BASIC RGB (Calibrated)	21CH STANDARD RGB default (Calibrated)	38CH STANDARD RGB (Calibrated)	40CH EXTENDED RGB (Calibrated)	57CH EXTENDED RGB (Calibrated)	20CH DIRECT (RAW)	12CH DIRECT (RAW)	29CH DIRECT (RAW)	48CH DIRECT (RAW)	73CH DIRECT (RAW)
21		Device Settings	Dimmer 3 Fine	Red 3	Green 2			Dimmer 4	Tint 2 (affects CTC 2 and RGBAW 2)	Dimmer 2
22			Red 3	Green 3	Green Fine 2			Red 4	Color Macro 2 (override RGB 2 / CTC 2)	Dimmer Fine 2
23			Red Fine 3	Blue 3	Blue 2			Green 4	Color Macro Crossfade 2 (Transition Time between Color Macros 2)	Red 2
24			Green 3	CTC 3 (affects RGB 3)	Blue Fine 2			Blue 4	Dimmer 3	Red Fine 2
25			Green Fine 3	Tint 3 (affects CTC 3 and RGB 3)	CTC 2 (affects RGB 2)			Amber 4	Red 3	Green 2
26			Blue 3	Color Macro 3 (override RGB 3/ CTC 3)	Tint 2 (affects CTC 2 and RGB 2)			White 4	Green 3	Green Fine 2
27			Blue Fine 3	Color Macro Crossfade 3 (Transition Time between Color Macros 3)	Color Macro 2 (override RGB 2 / CTC 2)			CTC (affects RGBAW 1-4)	Blue 3	Blue 2
28			Dimmer 4	Dimmer 4	Color Macro Crossfade 2 (Transition Time between Color Macros 2)			Tint (affects CTC and RGBAW 1-4)	Amber 3	Blue Fine 2
29			Dimmer 4 Fine	Red 4	Dimmer 3			Device Settings	White 3	Amber 2
30			Red 4	Green 4	Dimmer 3 Fine				CTC 3 (affects RGBAW 3)	Amber Fine 2
31			Red Fine 4	Blue 4	Red 3				Tint 3 (affects CTC 3 and RGBAW 3)	White 2
32			Green 4	CTC 4 (affects RGB 4)	Red Fine 3				Color Macro 3 (override RGBAW 3/ CTC 3)	White Fine 2

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CH	14CH BASIC RGB (Calibrated)	21CH STANDARD RGB default (Calibrated)	38CH STANDARD RGB (Calibrated)	40CH EXTENDED RGB (Calibrated)	57CH EXTENDED RGB (Calibrated)	20CH DIRECT (RAW)	12CH DIRECT (RAW)	29CH DIRECT (RAW)	48CH DIRECT (RAW)	73CH DIRECT (RAW)
33			Green Fine 4	Tint 4 (affects CTC 4 and RGB 4)	Green 3				Color Macro Crossfade 3 (Transition Time between Color Macros 3)	CTC 2 (affects RGBAW 2)
34			Blue 4	Color Macro 4 (override RGB 4 / CTC 4)	Green Fine 3				Dimmer 4	Tint 2 (affects CTC 2 and RGBAW 2)
35			Blue Fine 4	Color Macro Crossfade 4 (Transition Time between Color Macros 4)	Blue 3				Red 4	Color Macro 2 (override RGBAW 2 / CTC 2)
36			CTC (affects RGB 1-4)	Effect override RGB 1-4 / CTC 1-4, Color Macro 1-4	Blue Fine 3				Green 4	Color Macro Crossfade 2 (Transition Time between Color Macros 2)
37			Tint (affects CTC and RGB 1-4)	Dimmer Curve	CTC 3 (affects RGB 3)				Blue 4	Dimmer 3
38			Device Settings	Dimmer Response	Tint 3 (affects CTC 3 and RGB 3)				Amber 4	Dimmer Fine 3
39				Redshift	Color Macro 3 (override RGB 3/ CTC 3)				White 4	Red 3
40				Device Settings	Color Macro Crossfade 3 (Transition Time between Color Macros 3)				CTC 4 (affects RGBAW 4)	Red Fine 3
41					Dimmer 4				Tint 4 (affects CTC 4 and RGBAW 4)	Green 3
42					Dimmer 4 Fine				Color Macro 4 (override RGBAW 4 / CTC 4)	Green Fine 3
43					Red 4				Color Macro Crossfade 4 (Transition Time between Color Macros 4)	Blue 3

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CH	14CH BASIC RGB (Calibrated)	21CH STANDARD RGB default (Calibrated)	38CH STANDARD RGB (Calibrated)	40CH EXTENDED RGB (Calibrated)	57CH EXTENDED RGB (Calibrated)	20CH DIRECT (RAW)	12CH DIRECT (RAW)	29CH DIRECT (RAW)	48CH DIRECT (RAW)	73CH DIRECT (RAW)
44					Red Fine 4				Effect override RGBAW 1-4 / CTC 1-4, Color Macro 1-4	Blue Fine 3
45					Green 4				Dimmer Curve	Amber 3
46					Green Fine 4				Dimmer Response	Amber Fine 3
47					Blue 4				Redshift	White 3
48					Blue Fine 4				Device Settings	White Fine 3
49					CTC 4 (affects RGB 4)					CTC 3 (affects RGBAW 3)
50					Tint 4 (affects CTC 4 and RGB 4)					Tint 3 (affects CTC 3 and RGBAW 3)
51					Color Macro 4 (override RGB 4 / CTC 4)					Color Macro 3 (override RGBAW 3/ CTC 3)
52					Color Macro Crossfade 4 (Transition Time between Color Macros 4)					Color Macro Crossfade 3 (Transition Time between Color Macros 3)
53					Effect override RGB 1-4 / CTC 1-4, Color Macro 1-4					Dimmer 4
54					Dimmer Curve					Dimmer Fine 4
55					Dimmer Res-ponse					Red 4
56					Redshift					Red Fine 4
57					Device Settings					Green 4
58										Green Fine 4
59										Blue 4
60										Blue Fine 4
61										Amber 4
62										Amber Fine 4

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CH	14CH BASIC RGB (Calibrated)	21CH STANDARD RGB default (Calibrated)	38CH STANDARD RGB (Calibrated)	40CH EXTENDED RGB (Calibrated)	57CH EXTENDED RGB (Calibrated)	20CH DIRECT (RAW)	12CH DIRECT (RAW)	29CH DIRECT (RAW)	48CH DIRECT (RAW)	73CH DIRECT (RAW)
63										White 4
64										White Fine 4
65										CTC 4 (affects RGBAW 4)
66										Tint 4 (affects CTC 4 and RGBAW 4)
67										Color Macro 4 (override RGBAW 4 / CTC 4)
68										Color Macro Crossfade 4 (Transition Time between Color Macros 4)
69										Effect override RGBAW 1-4 / CTC 1-4, Color Macro 1-4
70										Dimmer Curve
71										Dimmer Response
72										Redshift
73										Device Settings

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1CH DWE (Calibrated / according to selected Tunable White settings at Stand Alone Mode, default 2900K)					
CH	Function	Value	Setting	Remark	Default
1	Dimmer	000-255	0 - 100%		0

2CH DWE (Calibrated) - according to selected Tunable White settings at Stand Alone Mode, default 2900K					
CH	Function	Value	Setting	Remark	Default
1	Dimmer 1 (affects eye 1 + 3)	000-255	0 - 100%		0
2	Dimmer 1 (affects eye 2 + 4)	000-255	0 - 100%		0

4-1CH DWE (Calibrated) - according to selected Tunable White settings at Stand Alone Mode, default 2900K					
CH	Function	Value	Setting	Remark	Default
1	Dimmer 1	000-255	0 - 100%		0
2	Dimmer 2	000-255	0 - 100%		0
3	Dimmer 3	000-255	0 - 100%		0
4	Dimmer 4	000-255	0 - 100%		0

4-2CH DWE (Calibrated) - according to selected Tunable White settings at Stand Alone Mode, default 2900K					
CH	Function	Value	Setting	Remark	Default
1	Dimmer	000-255	0 - 100%		0
2	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		
3	Dimmer Response	000-063	No Function - Current Preset from Menu Settings		0
		064-127	LED / fast		
		128-191	Medium		
		192-255	Halogen / slow		

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4-2CH DWE (Calibrated) - according to selected Tunable White settings at Stand Alone Mode, default 2900K					
CH	Function	Value	Setting	Remark	Default
4	Redshift	000-84	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700-3500K.	0
		085-170	Redshift Off		
		171-255	Redshift On		

9CH DWE+ (Calibrated)					
CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast → slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast → slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast → slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast → slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast → slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6:random closing pulse (fast → slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast → slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast → slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9:sine wave (fast → slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast → slow)		
		245 - 255	Shutter open		

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9CH DWE+ (Calibrated)					
CH	Function	Value	Setting	Remark	Default
3	Red	000-255	0 - 100%		255
4	Green	000-255	0 - 100%		255
5	Blue	000-255	0 - 100%		255
6	CTC (affects RGB)	000 - 004	2900K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
7	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		
8	Dimmer Response	000-063	No Function - Current Preset from Menu Settings		0
		064-127	LED / fast		
		128-191	Medium		
		192-255	Halogen / slow		
9	Redshift	000-84	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700-3500K.	0
		085-170	Redshift Off		
		171-255	Redshift On		

8CH STROBE MODE (Calibrated)					
CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast → slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast → slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast → slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast → slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast → slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6:random closing pulse (fast → slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast → slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast → slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9:sine wave (fast → slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast → slow)		
		245 - 255	Shutter open		
3	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064	0
4	Dimmer 1	000-255	0 - 100%		255
5	Dimmer 2	000-255	0 - 100%		255
6	Dimmer 3	000-255	0 - 100%		255
7	Dimmer 4	000-255	0 - 100%		255

8CH STROBE MODE (Calibrated)					
CH	Function	Value	Setting	Remark	Default
8	CCT	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		

22CH Comp RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
1	Dimmer 1	000-255	0 - 100%		255
2	Red 1	000-255	0 - 100%		0
3	Green 1	000-255	0 - 100%		0
4	Blue 1	000-255	0 - 100%		0
5	Dimmer 2	000-255	0 - 100%		255
6	Red 2	000-255	0 - 100%		0
7	Green 2	000-255	0 - 100%		0
8	Blue 2	000-255	0 - 100%		0
9	Shutter 1+2	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast → slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast → slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast → slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast → slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast → slow)		

22CH Comp RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
9	Shutter 1+2	145 - 149	Shutter open		20
		150 - 164	Strobe 6:random closing pulse (fast → slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast → slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast → slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9:sine wave (fast → slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast → slow)		
		245 - 255	Shutter open		
10	CTC (affects RGB 1+2)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
11	Device Settings			no function	0
12	Dimmer 3	000-255	0 - 100%		255
3	Red 3	000-255	0 - 100%		0
14	Green 3	000-255	0 - 100%		0
15	Blue 3	000-255	0 - 100%		0
16	Dimmer 4	000-255	0 - 100%		255
17	Red 4	000-255	0 - 100%		0
18	Green 4	000-255	0 - 100%		0
19	Blue 4	000-255	0 - 100%		0

22CH Comp RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
20	Shutter 3+4	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast → slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast → slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast → slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast → slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast → slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6:random closing pulse (fast → slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast → slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast → slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9:sine wave (fast → slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast → slow)		
		245 - 255	Shutter open		
21	CTC (affects RGB 3+4)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		

22CH Comp RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
22	Device Settings			according to Device Settings RGB mode	0

21CH SECTION RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
1	Dimmer 1	000-255	0 - 100%		255
2	Red 1	000-255	0 - 100%		0
3	Green 1	000-255	0 - 100%		0
4	Blue 1	000-255	0 - 100%		0
5	CTC 1	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
6	Dimmer 2	000-255	0 - 100%		255
7	Red 2	000-255	0 - 100%		0
8	Green 2	000-255	0 - 100%		0
9	Blue 2	000-255	0 - 100%		0
10	CTC 2	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
11	Dimmer 3	000-255	0 - 100%		255
12	Red 3	000-255	0 - 100%		0
13	Green 3	000-255	0 - 100%		0

21CH SECTION RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
14	Blue 3	000-255	0 - 100%		0
15	CTC 3	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
16	Dimmer 4	000-255	0 - 100%		255
17	Red 4	000-255	0 - 100%		0
18	Green 4	000-255	0 - 100%		0
19	Blue 4	000-255	0 - 100%		0
20	CTC 4	000 - 004	5600K		0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)	according to CTC chart	
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
21	Device Settings			according to Device Settings RGB mode	0

12CH RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
1	Red 1	000-255	0 - 100%		0
2	Green 1	000-255	0 - 100%		0
3	Blue 1	000-255	0 - 100%		0
4	Red 2	000-255	0 - 100%		0
5	Green 2	000-255	0 - 100%		0
6	Blue 2	000-255	0 - 100%		0

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12CH RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
7	Red 3	000-255	0 - 100%		0
8	Green 3	000-255	0 - 100%		0
9	Blue 3	000-255	0 - 100%		0
10	Red 4	000-255	0 - 100%		0
11	Green 4	000-255	0 - 100%		0
12	Blue 4	000-255	0 - 100%		0

10CH BASIC RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast → slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast → slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast → slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast → slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast → slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6:random closing pulse (fast → slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast → slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast → slow)		
		205 - 209	Shutter open		

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10CH BASIC RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
2	Shutter	210 - 224	Strobe 9:sine wave (fast → slow)		20
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast → slow)		
		245 - 255	Shutter open		
3	Red	000-255	0 - 100%		255
4	Green	000-255	0 - 100%		255
5	Blue	000-255	0 - 100%		255
6	CTC (affects RGB)	000 - 004	5600K		0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K	according to CTC chart	
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
7	Tint (affects CTC and RGB)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
8	Color Macro (override RGB/CTC)		please use color macros from ROXX color macro chart		0
9	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
10	Device Settings			according to Device Settings RGB mode	0

DMX CHART

14CH BASIC RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Master Dimmer Fine	000-255	0 - 100%		0
3	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast → slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast → slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast → slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast → slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast → slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6:random closing pulse (fast → slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast → slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast → slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9:sine wave (fast → slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast → slow)		
		245 - 255	Shutter open		
4	Red	000-255	0 - 100%		255
5	Red Fine	000-255	0 - 100%		255
6	Green	000-255	0 - 100%		255

14CH BASIC RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
7	Green Fine	000-255	0 - 100%		255
8	Blue	000-255	0 - 100%		255
9	Blue Fine	000-255	0 - 100%		255
10	CTC (affects RGB)	000 - 004	5600K		0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K	according to CTC chart	
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
11	Tint (affects CTC and RGB)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
12	Color Macro (override RGB/CTC)		please use color macros from ROXX color macro chart		0
13	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
14	Device Settings			according to Device Settings RGB mode	0

21CH STANDARD RGB (Calibrated) - default					
CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast → slow)		

21CH STANDARD RGB (Calibrated) - default					
CH	Function	Value	Setting	Remark	Default
2	Shutter	065 - 069	Shutter open		20
		070 - 084	Strobe 2: opening pulse (fast → slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast → slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast → slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast → slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6:random closing pulse (fast → slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast → slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast → slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9:sine wave (fast → slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast → slow)		
		245 - 255	Shutter open		
3	Dimmer 1	000-255	0 - 100%		255
4	Red 1	000-255	0 - 100%		255
5	Green 1	000-255	0 - 100%		255
6	Blue 1	000-255	0 - 100%		255
7	Dimmer 2	000-255	0 - 100%		255
8	Red 2	000-255	0 - 100%		255
9	Green 2	000-255	0 - 100%		255
10	Blue 2	000-255	0 - 100%		255
11	Dimmer 3	000-255	0 - 100%		255

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21CH STANDARD RGB (Calibrated) - default					
CH	Function	Value	Setting	Remark	Default
12	Red 3	000-255	0 - 100%		255
13	Green 3	000-255	0 - 100%		255
14	Blue 3	000-255	0 - 100%		255
15	Dimmer 4	000-255	0 - 100%		255
16	Red 4	000-255	0 - 100%		255
17	Green 4	000-255	0 - 100%		255
18	Blue 4	000-255	0 - 100%		255
19	CTC (affects RGB 1-4)	000 - 004	5600K		0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K	according to CTC chart	
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
20	Tint (affects CTC and RGB 1-4)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
21	Device Settings			according to Device Settings RGB mode	0

38CH STANDARD RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Master Dimmer Fine	000-255	0 - 100%		0
3	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast → slow)		
		065 - 069	Shutter open		

38CH STANDARD RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
3	Shutter	070 - 084	Strobe 2: opening pulse (fast → slow)		20
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast → slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast → slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast → slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6:random closing pulse (fast → slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast → slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast → slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9:sine wave (fast → slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast → slow)		
		245 - 255	Shutter open		
4	Dimmer 1	000-255	0 - 100%		255
5	Dimmer 1 Fine	000-255	0 - 100%		255
6	Red 1	000-255	0 - 100%		255
7	Red Fine 1	000-255	0 - 100%		255
8	Green 1	000-255	0 - 100%		255
9	Green Fine 1	000-255	0 - 100%		255
10	Blue 1	000-255	0 - 100%		255
11	Blue Fine 1	000-255	0 - 100%		255
12	Dimmer 2	000-255	0 - 100%		255
13	Dimmer 2 Fine	000-255	0 - 100%		255

38CH STANDARD RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
14	Red 2	000-255	0 - 100%		255
15	Red Fine 2	000-255	0 - 100%		255
16	Green 2	000-255	0 - 100%		255
17	Green Fine 2	000-255	0 - 100%		255
18	Blue 2	000-255	0 - 100%		255
19	Blue Fine 2	000-255	0 - 100%		255
20	Dimmer 3	000-255	0 - 100%		255
21	Dimmer 3 Fine	000-255	0 - 100%		255
22	Red 3	000-255	0 - 100%		255
23	Red Fine 3	000-255	0 - 100%		255
24	Green 3	000-255	0 - 100%		255
25	Green Fine 3	000-255	0 - 100%		255
26	Blue 3	000-255	0 - 100%		255
27	Blue Fine 3	000-255	0 - 100%		255
28	Dimmer 4	000-255	0 - 100%		255
29	Dimmer 4 Fine	000-255	0 - 100%		255
30	Red 4	000-255	0 - 100%		255
31	Red Fine 4	000-255	0 - 100%		255
32	Green 4	000-255	0 - 100%		255
33	Green Fine 4	000-255	0 - 100%		255
34	Blue 4	000-255	0 - 100%		255
35	Blue Fine 4	000-255	0 - 100%		255
36	CTC (affects RGB 1-4)	000 - 004	5600K		0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K	according to CTC chart	
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		

38CH STANDARD RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
37	Tint (affects CTC and RGB 1-4)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
38	Device Settings			according to Device Settings RGB mode	0

40CH EXTENDED RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast → slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast → slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast → slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast → slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast → slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6:random closing pulse (fast → slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast → slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast → slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9:sine wave (fast → slow)		

40CH EXTENDED RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
2	Shutter	225 - 229	Shutter open		20
		230 - 244	Strobe 10: burst (fast → slow)		
		245 - 255	Shutter open		
3	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064	0
4	Dimmer 1	000-255	0 - 100%		255
5	Red 1	000-255	0 - 100%		255
6	Green 1	000-255	0 - 100%		255
7	Blue 1	000-255	0 - 100%		255
8	CTC 1 (affects RGB 1)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
9	Tint 1 (affects CTC 1 and RGB 1)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
10	Color Macro 1 (override RGB 1/ CTC 1)		please use color macros from ROXX color macro chart		0
11	Color Macro Crossfade 1 (Transition Time between Color Macros 1)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		

40CH EXTENDED RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
12	Dimmer 2	000-255	0 - 100%		255
13	Red 2	000-255	0 - 100%		255
14	Green 2	000-255	0 - 100%		255
15	Blue 2	000-255	0 - 100%		255
16	CTC 2 (affects RGB 2)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
17	Tint 2 (affects CTC 2 and RGB 2)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
18	Color Macro 2 (override RGB 2 / CTC 2)		please use color macros from ROXX color macro chart		0
19	Color Macro Crossfade 2 (Transition Time between Color Macros 2)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
20	Dimmer 3	000-255	0 - 100%		255
21	Red 3	000-255	0 - 100%		255
22	Green 3	000-255	0 - 100%		255
23	Blue 3	000-255	0 - 100%		255

40CH EXTENDED RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
24	CTC 3 (affects RGB 3)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
25	Tint 3 (affects CTC 3 and RGB 3)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
26	Color Macro 3 (override RGB 3/ CTC 3)		please use color macros from ROXX color macro chart		0
27	Color Macro Crossfade 3 (Transition Time between Color Macros 3)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
28	Dimmer 4	000-255	0 - 100%		255
29	Red 4	000-255	0 - 100%		255
30	Green 4	000-255	0 - 100%		255
31	Blue 4	000-255	0 - 100%		255
32	CTC 4 (affects RGB 4)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		

40CH EXTENDED RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
33	Tint 4 (affects CTC 4 and RGB 4)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
34	Color Macro 4 (override RGB 4 / CTC 4)		please use color macros from ROXX color macro chart		0
35	Color Macro Crossfade 4 (Transition Time between Color Macros 4)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
36	Effect override RGB 1-4 / CTC 1-4, Color Macro 1-4	000-15	No Function		0
		016-039	Effect 1 (slow to fast)		
		040-063	Effect 2 (slow to fast)		
		064-87	Effect 3 (slow to fast)		
		88-111	Effect 4 (slow to fast)		
		112-135	Effect 5 (slow to fast)		
		136-159	Effect 6 (slow to fast)		
		160-183	Effect 7 (slow to fast)		
		184-207	Effect 8 (slow to fast)		
		208-231	Effect 9 (slow to fast)		
		232-255	Effect 10 (slow to fast)		
37	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		

40CH EXTENDED RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
38	Dimmer Response	000-063	No Function - Current Preset from Menu Settings		0
		064-127	LED / fast		
		128-191	Medium		
		192-255	Halogen / slow		
39	Redshift	000-84	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700-3500K.	0
		085-170	Redshift Off		
		171-255	Redshift On		
40	Device Settings			according to Device Settings RGB mode	0

57CH EXTENDED RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Master Dimmer Fine	000-255	0 - 100%		0
3	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast → slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast → slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast → slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast → slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast → slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6:random closing pulse (fast → slow)		
		165 - 169	Shutter open		

57CH EXTENDED RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
3	Shutter	170 - 184	Strobe 7: burst pulse (fast → slow)		20
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast → slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9:sine wave (fast → slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast → slow)		
		245 - 255	Shutter open		
4	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064	0
5	Dimmer 1	000-255	0 - 100%		255
6	Dimmer 1 Fine	000-255	0 - 100%		255
7	Red 1	000-255	0 - 100%		255
8	Red Fine 1	000-255	0 - 100%		255
9	Green 1	000-255	0 - 100%		255
10	Green Fine 1	000-255	0 - 100%		255
11	Blue 1	000-255	0 - 100%		255
12	Blue Fine 1	000-255	0 - 100%		255
13	CTC 1 (affects RGB 1)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
14	Tint 1 (affects CTC 1 and RGB 1)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		

57CH EXTENDED RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
15	Color Macro 1 (override RGB 1/ CTC 1)		please use color macros from ROXX color macro chart		0
16	Color Macro Crossfade 1 (Transition Time between Color Macros 1)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
17	Dimmer 2	000-255	0 - 100%		255
18	Dimmer 2 Fine	000-255	0 - 100%		255
19	Red 2	000-255	0 - 100%		255
20	Red Fine 2	000-255	0 - 100%		255
21	Green 2	000-255	0 - 100%		255
22	Green Fine 2	000-255	0 - 100%		255
23	Blue 2	000-255	0 - 100%		255
24	Blue Fine 2	000-255	0 - 100%		255
25	CTC 2 (affects RGB 2)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
26	Tint 2 (affects CTC 2 and RGB 2)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
27	Color Macro 2 (override RGB 2 / CTC 2)		please use color macros from ROXX color macro chart		0

57CH EXTENDED RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
28	Color Macro Crossfade 2 (Transition Time between Color Macros 2)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
29	Dimmer 3	000-255	0 - 100%		255
30	Dimmer 3 Fine	000-255	0 - 100%		255
31	Red 3	000-255	0 - 100%		255
32	Red Fine 3	000-255	0 - 100%		255
33	Green 3	000-255	0 - 100%		255
34	Green Fine 3	000-255	0 - 100%		255
35	Blue 3	000-255	0 - 100%		255
36	Blue Fine 3	000-255	0 - 100%		255
37	CTC 3 (affects RGB 3)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
38	Tint 3 (affects CTC 3 and RGB 3)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
39	Color Macro 3 (override RGB 3/ CTC 3)		please use color macros from ROXX color macro chart		0

57CH EXTENDED RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
40	Color Macro Crossfade 3 (Transition Time between Color Macros 3)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
41	Dimmer 4	000-255	0 - 100%		255
42	Dimmer 4 Fine	000-255	0 - 100%		255
43	Red 4	000-255	0 - 100%		255
44	Red Fine 4	000-255	0 - 100%		255
45	Green 4	000-255	0 - 100%		255
46	Green Fine 4	000-255	0 - 100%		255
47	Blue 4	000-255	0 - 100%		255
48	Blue Fine 4	000-255	0 - 100%		255
49	CTC 4 (affects RGB 4)	000 - 004	5600K	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
50	Tint 4 (affects CTC 4 and RGB 4)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
51	Color Macro 4 (override RGB 4 / CTC 4)		please use color macros from ROXX color macro chart		0
52	Color Macro Crossfade 4 (Transition Time between Color Macros 4)	000 - 005	no function		0

57CH EXTENDED RGB (Calibrated)					
CH	Function	Value	Setting	Remark	Default
52	Color Macro Crossfade 4 (Transition Time between Color Macros 4)	006-105	0,1s - 10s (0,1s steps)		0
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
53	Effect override RGB 1-4 / CTC 1-4, Color Macro 1-4	000-15	No Function		0
		016-039	Effect 1 (slow to fast)		
		040-063	Effect 2 (slow to fast)		
		064-87	Effect 3 (slow to fast)		
		88-111	Effect 4 (slow to fast)		
		112-135	Effect 5 (slow to fast)		
		136-159	Effect 6 (slow to fast)		
		160-183	Effect 7 (slow to fast)		
		184-207	Effect 8 (slow to fast)		
		208-231	Effect 9 (slow to fast)		
		232-255	Effect 10 (slow to fast)		
54	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		
55	Dimmer Response	000-063	No Function - Current Preset from Menu Settings		0
		064-127	LED / fast		
		128-191	Medium		
		192-255	Halogen / slow		
56	Redshift	000-84	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700-3500K.	0
		085-170	Redshift Off		
		171-255	Redshift On		
57	Device Settings			according to Device Settings RGB mode	0

20CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
1	Red 1	000-255	0 - 100%		0
2	Green 1	000-255	0 - 100%		0
3	Blue 1	000-255	0 - 100%		0
4	Amber 1	000-255	0 - 100%		0
5	White 1	000-255	0 - 100%		0
6	Red 2	000-255	0 - 100%		0
7	Green 2	000-255	0 - 100%		0
8	Blue 2	000-255	0 - 100%		0
9	Amber 2	000-255	0 - 100%		0
10	White 2	000-255	0 - 100%		0
11	Red 3	000-255	0 - 100%		0
12	Green 3	000-255	0 - 100%		0
13	Blue 3	000-255	0 - 100%		0
14	Amber 3	000-255	0 - 100%		0
15	White 3	000-255	0 - 100%		0
16	Red 4	000-255	0 - 100%		0
17	Green 4	000-255	0 - 100%		0
18	Blue 4	000-255	0 - 100%		0
19	Amber 4	000-255	0 - 100%		0
20	White 4	000-255	0 - 100%		0

12CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast → slow)		
		065 - 069	Shutter open		

12CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
2	Shutter	070 - 084	Strobe 2: opening pulse (fast → slow)		20
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast → slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast → slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast → slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6:random closing pulse (fast → slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast → slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast → slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9:sine wave (fast → slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast → slow)		
		245 - 255	Shutter open		
3	Red	000-255	0 - 100%		255
4	Green	000-255	0 - 100%		255
5	Blue	000-255	0 - 100%		255
6	Amber	000-255	0 - 100%		255
7	White	000-255	0 - 100%		255
8	CTC (affects RGBAW)	000 - 004	RAW	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		

12CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
8	CTC (affects RGBAW)	226-226	6500K	according to CTC chart	0
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
9	Tint (affects CTC and RGBAW)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
10	Color Macro (over-ride RGBAW/CTC)		please use color macros from ROXX color macro chart		0
11	Color Macro Crossfade (Transition Time between Color Macros)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
12	Device Settings			according to Device Settings Direct mode	0

29CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast → slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast → slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast → slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast → slow)		

29CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
2	Shutter	125 - 129	Shutter open		20
		130 - 144	Strobe 5: random opening pulse (fast → slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6:random closing pulse (fast → slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast → slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast → slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9:sine wave (fast → slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast → slow)		
		245 - 255	Shutter open		
3	Dimmer 1	000-255	0 - 100%		255
4	Red 1	000-255	0 - 100%		255
5	Green 1	000-255	0 - 100%		255
6	Blue 1	000-255	0 - 100%		255
7	Amber 1	000-255	0 - 100%		255
8	White 1	000-255	0 - 100%		255
9	Dimmer 2	000-255	0 - 100%		255
10	Red 2	000-255	0 - 100%		255
11	Green 2	000-255	0 - 100%		255
12	Blue 2	000-255	0 - 100%		255
13	Amber 2	000-255	0 - 100%		255
14	White 2	000-255	0 - 100%		255
15	Dimmer 3	000-255	0 - 100%		255
16	Red 3	000-255	0 - 100%		255
17	Green 3	000-255	0 - 100%		255

29CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
18	Blue 3	000-255	0 - 100%		255
19	Amber 3	000-255	0 - 100%		255
20	White 3	000-255	0 - 100%		255
21	Dimmer 4	000-255	0 - 100%		255
22	Red 4	000-255	0 - 100%		255
23	Green 4	000-255	0 - 100%		255
24	Blue 4	000-255	0 - 100%		255
25	Amber 4	000-255	0 - 100%		255
26	White 4	000-255	0 - 100%		255
27	CTC (affects RGBAW 1-4)	000 - 004	RAW	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
28	Tint (affects CTC and RGBAW 1-4)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
29	Device Settings			according to Device Settings Direct mode	0

48CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast → slow)		

48CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
2	Shutter	065 - 069	Shutter open		20
		070 - 084	Strobe 2: opening pulse (fast → slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast → slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast → slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast → slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6:random closing pulse (fast → slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast → slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast → slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9:sine wave (fast → slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast → slow)		
		245 - 255	Shutter open		
3	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064	0
4	Dimmer 1	000-255	0 - 100%		255
5	Red 1	000-255	0 - 100%		255
6	Green 1	000-255	0 - 100%		255
7	Blue 1	000-255	0 - 100%		255
8	Amber 1	000-255	0 - 100%		255
9	White 1	000-255	0 - 100%		255

48CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
10	CTC 1 (affects RGBAW 1)	000 - 004	RAW	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
11	Tint 1 (affects CTC 1 and RGBAW 1)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
12	Color Macro 1 (override RGBAW 1/ CTC 1)		please use color macros from ROXX color macro chart		0
13	Color Macro Crossfade 1 (Transition Time between Color Macros 1)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
14	Dimmer 2	000-255	0 - 100%		255
15	Red 2	000-255	0 - 100%		255
16	Green 2	000-255	0 - 100%		255
17	Blue 2	000-255	0 - 100%		255
18	Amber 2	000-255	0 - 100%		255
19	White 2	000-255	0 - 100%		255
20	CTC 2 (affects RGBAW 2)	000 - 004	RAW	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		

48CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
20	CTC 2 (affects RGBAW 2)	226-226	6500K	according to CTC chart	0
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
21	Tint 2 (affects CTC 2 and RGBAW 2)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
22	Color Macro 2 (override RGB 2 / CTC 2)		please use color macros from ROXX color macro chart		0
23	Color Macro Crossfade 2 (Transition Time between Color Macros 2)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
24	Dimmer 3	000-255	0 - 100%		255
25	Red 3	000-255	0 - 100%		255
26	Green 3	000-255	0 - 100%		255
27	Blue 3	000-255	0 - 100%		255
28	Amber 3	000-255	0 - 100%		255
29	White 3	000-255	0 - 100%		255
30	CTC 3 (affects RGBAW 3)	000 - 004	RAW	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		

48CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
31	Tint 3 (affects CTC 3 and RGBAW 3)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
32	Color Macro 3 (override RGBAW 3/ CTC 3)		please use color macros from ROXX color macro chart		0
33	Color Macro Crossfade 3 (Transition Time between Color Macros 3)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
34	Dimmer 4	000-255	0 - 100%		255
35	Red 4	000-255	0 - 100%		255
36	Green 4	000-255	0 - 100%		255
37	Blue 4	000-255	0 - 100%		255
38	Amber 4	000-255	0 - 100%		255
39	White 4	000-255	0 - 100%		255
40	CTC 4 (affects RGBAW 4)	000 - 004	RAW	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
41	Tint 4 (affects CTC 4 and RGBAW 4)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		

48CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
42	Color Macro 4 (override RGBAW 4 / CTC 4)		please use color macros from ROXX color macro chart		0
43	Color Macro Crossfade 4 (Transition Time between Color Macros 4)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
44	Effect override RGBAW 1-4 / CTC 1-4, Color Macro 1-4	000-15	No Function		0
		016-039	Effect 1 (slow to fast)		
		040-063	Effect 2 (slow to fast)		
		064-87	Effect 3 (slow to fast)		
		88-111	Effect 4 (slow to fast)		
		112-135	Effect 5 (slow to fast)		
		136-159	Effect 6 (slow to fast)		
		160-183	Effect 7 (slow to fast)		
		184-207	Effect 8 (slow to fast)		
		208-231	Effect 9 (slow to fast)		
		232-255	Effect 10 (slow to fast)		
45	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		
46	Dimmer Response	000-063	No Function - Current Preset from Menu Settings		0
		064-127	LED / fast		
		128-191	Medium		
		192-255	Halogen / slow		

48CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
47	Redshift	000-84	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700-3500K.	0
		085-170	Redshift Off		
		171-255	Redshift On		
48	Device Settings			according to Device Settings Direct mode	0

73CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Master Dimmer Fine	000-255	0 - 100%		0
3	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast → slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast → slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast → slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast → slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast → slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6:random closing pulse (fast → slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast → slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast → slow)		
		205 - 209	Shutter open		

73CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
3	Shutter	210 - 224	Strobe 9:sine wave (fast → slow)		20
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast → slow)		
		245 - 255	Shutter open		
4	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064	0
5	Dimmer 1	000-255	0 - 100%		255
6	Dimmer Fine 1	000-255	0 - 100%		255
7	Red 1	000-255	0 - 100%		255
8	Red Fine 1	000-255	0 - 100%		255
9	Green 1	000-255	0 - 100%		255
10	Green Fine 1	000-255	0 - 100%		255
11	Blue 1	000-255	0 - 100%		255
12	Blue Fine 1	000-255	0 - 100%		255
13	Amber 1	000-255	0 - 100%		255
14	Amber Fine 1	000-255	0 - 100%		255
15	White 1	000-255	0 - 100%		255
16	White Fine 1	000-255	0 - 100%		255
17	CTC 1 (affects RGBAW 1)	000 - 004	RAW	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
18	Tint 1 (affects CTC 1 and RGBAW 1)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		

73CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
19	Color Macro 1 (override RGBAW 1/ CTC 1)		please use color macros from ROXX color macro chart		0
20	Color Macro Crossfade 1 (Transition Time between Color Macros 1)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
21	Dimmer 2	000-255	0 - 100%		255
22	Dimmer Fine 2	000-255	0 - 100%		255
23	Red 2	000-255	0 - 100%		255
24	Red Fine 2	000-255	0 - 100%		255
25	Green 2	000-255	0 - 100%		255
26	Green Fine 2	000-255	0 - 100%		255
27	Blue 2	000-255	0 - 100%		255
28	Blue Fine 2	000-255	0 - 100%		255
29	Amber 2	000-255	0 - 100%		255
30	Amber Fine 2	000-255	0 - 100%		255
31	White 2	000-255	0 - 100%		255
32	White Fine 2	000-255	0 - 100%		255
33	CTC 2 (affects RGBAW 2)	000 - 004	RAW	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		

73CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
34	Tint 2 (affects CTC 2 and RGBAW 2)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
35	Color Macro 2 (override RGBAW 2 / CTC 2)		please use color macros from ROXX color macro chart		0
36	Color Macro Crossfade 2 (Transition Time between Color Macros 2)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
37	Dimmer 3	000-255	0 - 100%		255
38	Dimmer Fine 3	000-255	0 - 100%		255
39	Red 3	000-255	0 - 100%		255
40	Red Fine 3	000-255	0 - 100%		255
41	Green 3	000-255	0 - 100%		255
42	Green Fine 3	000-255	0 - 100%		255
43	Blue 3	000-255	0 - 100%		255
44	Blue Fine 3	000-255	0 - 100%		255
45	Amber 3	000-255	0 - 100%		255
46	Amber Fine 3	000-255	0 - 100%		255
47	White 3	000-255	0 - 100%		255
48	White Fine 3	000-255	0 - 100%		255
49	CTC 3 (affects RGBAW 3)	000 - 004	RAW	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		

73CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
49	CTC 3 (affects RGBAW 3)	182-182	5600K		0
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
50	Tint 3 (affects CTC 3 and RGBAW 3)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
51	Color Macro 3 (override RGBAW 3/ CTC 3)		please use color macros from ROXX color macro chart		0
52	Color Macro Crossfade 3 (Transition Time between Color Macros 3)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
53	Dimmer 4	000-255	0 - 100%		255
54	Dimmer Fine 4	000-255	0 - 100%		255
55	Red 4	000-255	0 - 100%		255
56	Red Fine 4	000-255	0 - 100%		255
57	Green 4	000-255	0 - 100%		255
58	Green Fine 4	000-255	0 - 100%		255
59	Blue 4	000-255	0 - 100%		255
60	Blue Fine 4	000-255	0 - 100%		255
61	Amber 4	000-255	0 - 100%		255
62	Amber Fine 4	000-255	0 - 100%		255
63	White 4	000-255	0 - 100%		255
64	White Fine 4	000-255	0 - 100%		255

73CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
65	CTC 4 (affects RGBAW 4)	000 - 004	RAW	according to CTC chart	0
		005-226	2000K-6500K linear in 20-21K steps (please see detailed CTC chart)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000K linear in 120-121K steps (please see detailed CTC chart)		
66	Tint 4 (affects CTC 4 and RGBAW 4)	0	no function		128
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
67	Color Macro 4 (override RGBAW 4 / CTC 4)		please use color macros from ROXX color macro chart		0
68	Color Macro Crossfade 4 (Transition Time between Color Macros 4)	000 - 005	no function		0
		006-105	0,1s - 10s (0,1s steps)		
		106-214	11s - 119s (1s steps)		
		215-244	2m - 4m50s (10s steps)		
		245-255	5m - 15m (1m steps)		
69	Effect override RGBAW 1-4 / CTC 1-4, Color Macro 1-4	000-15	No Function		0
		016-039	Effect 1 (slow to fast)		
		040-063	Effect 2 (slow to fast)		
		064-87	Effect 3 (slow to fast)		
		88-111	Effect 4 (slow to fast)		
		112-135	Effect 5 (slow to fast)		
		136-159	Effect 6 (slow to fast)		
		160-183	Effect 7 (slow to fast)		
		184-207	Effect 8 (slow to fast)		
		208-231	Effect 9 (slow to fast)		
		232-255	Effect 10 (slow to fast)		

73CH DIRECT (RAW)					
CH	Function	Value	Setting	Remark	Default
70	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		
71	Dimmer Response	000-063	No Function - Current Preset from Menu Settings		0
		064-127	LED / fast		
		128-191	Medium		
		192-255	Halogen / slow		
72	Redshift	000-84	No Function - Current Preset from Menu Settings	Redshift affects only between CCT 2700-3500K.	0
		085-170	Redshift Off		
		171-255	Redshift On		
73	Device Settings			according to Device Settings Direct mode	0
remark *1			**After adjustments please set the value back to 000 to avoid any disturbance by endless function call.**		

Device Settings RGB & HSI modes				
Ch	Settings	DMX value	Function	remark
	Device Settings (please see remark *1)	000-005	No function	
		6	Display Backlight On (hold 3s)	
		7	Display Backlight Off (hold 3s)	
		8	Display Lock On (hold 3s)	
		9	Display Lock Off (hold 3s)	
		010-014	reserved / no function	
		15	DMX Fail - Blackout (hold 3s)	
		16	DMX Fail - Hold (hold 3s)	
		17	DMX Fail - Emergency Light (hold 3s)	
		018-022	reserved / no function	
		23	Linear Dimmer Curve (hold 3s)	
		24	Exponential Dimmer Curve (hold 3s)	
		25	Logarithmic Dimmer Curve (hold 3s)	
		26	S-Curve Dimmer Curve (hold 3s)	
		027-031	reserved / no function	
		32	Dimmer Response LED / fast (hold 3s)	
		33	Dimmer Response Medium (hold 3s)	
		34	Dimmer Response Halogen / slow (hold 3s)	
		035-039	reserved / no function	
		40	Calibration - High CRI (Colors & CCT / hold 3s)	
		41	Calibration - Normal CRI (Colors & CCT / hold 3s)	
		042-046	reserved / no function	
		47	LED Frequency 800Hz (hold 3s)	
		48	LED Frequency 1200Hz (hold 3s)	
		49	LED Frequency 2000Hz (hold 3s)	
		50	LED Frequency 3600Hz (hold 3s)	
		51	LED Frequency 12kHz (hold 3s)	

Device Settings RGB & HSI modes				
Ch	Settings	DMX value	Function	remark
	Device Settings (please see remark *1)	52	LED Frequency 25kHz (hold 3s)	
		053-057	reserved / no function	
		58	Fan Auto (hold 3s)	
		59	reserved / no function	
		60	Fan Silent (hold 3s)	
		61	Fan Studio (hold 3s)	
		62	Fan Off (hold 3s)	
		63	Fan High Power (hold 3s)	
		064-068	reserved / no function	
		69	Redshift On (hold 3s)	Redshift (affects only between 2700-3500K)
		70	Redshift Off (hold 3s)	
		071 - 093	reserved / no function	
		94	Invert Mapping Off (hold 3s)	
		95	reserved / no function	
		96	Invert Mapping CW (hold 3s)	
		97	Invert Mapping CCW (hold 3s)	
		098 - 128	reserved / no function	
		129	LED Mode - Illumination (hold 1,5s)	
		130	LED Mode - Boost (hold 1,5s)	
		131 - 169	reserved / no function	
		170	KLSTR switch on	
		171	KLSTR switch off	
		172 - 188	reserved / no function	
		189	Legacy Mode On	
		190	Legacy Mode Off	
		191 - 244	reserved / no function	
		245	Snapshot (hold 3s)	

Device Settings RGB & HSI modes				
Ch	Settings	DMX value	Function	remark
	Device Settings (please see remark *1)	246-248	reserved / no function	
		249	User Reset (hold 3s)	No Change of DMX Address and Mode! / Reset activates only if Shutter is set to DMX 250
		250	Factory Reset (hold 3s)	No Change of DMX Address and Mode! / Reset activates only if Shutter is set to DMX 250
		251 - 255 reserved	No Function	
remark *1: After adjustments please set the value back to 000 to avoid any disturbance by endless function call.				

Device Settings direct modes				
Ch	Settings	DMX value	Function	remark
	Device Settings (please see remark *1)	000-005	No function	
		6	Display Backlight On (hold 3s)	
		7	Display Backlight Off (hold 3s)	
		8	Display Lock On (hold 3s)	
		9	Display Lock Off (hold 3s)	
		010-014	reserved / no function	
		15	DMX Fail - Blackout (hold 3s)	
		16	DMX Fail - Hold (hold 3s)	
		17	DMX Fail - Emergency Light (hold 3s)	
		018-022	reserved / no function	
		23	Linear Dimmer Curve (hold 3s)	
		24	Exponential Dimmer Curve (hold 3s)	
		25	Logarithmic Dimmer Curve (hold 3s)	
		26	S-Curve Dimmer Curve (hold 3s)	
		027-031	reserved / no function	
		32	Dimmer Response LED / fast (hold 3s)	
		33	Dimmer Response Medium (hold 3s)	

Device Settings direct modes				
Ch	Settings	DMX value	Function	remark
	Device Settings (please see remark *1)	34	Dimmer Response Halogen / slow (hold 3s)	
		035-039	reserved / no function	
		40	RAW (hold 3s)	
		41	User Calibration (hold 3s)	
		042-046	reserved / no function	
		47	LED Frequency 800Hz (hold 3s)	
		48	LED Frequency 1200Hz (hold 3s)	
		49	LED Frequency 2000Hz (hold 3s)	
		50	LED Frequency 3600Hz (hold 3s)	
		51	LED Frequency 12kHz (hold 3s)	
		52	LED Frequency 25kHz (hold 3s)	
		053-057	reserved / no function	
		58	Fan Auto (hold 3s)	
		59	reserved / no function	
		60	Fan Silent (hold 3s)	
		61	Fan Studio (hold 3s)	
		62	Fan Off (hold 3s)	
		63	Fan High Power (hold 3s)	
		064-068	reserved / no function	
		69	Redshift On (hold 3s)	Redshift (affects only between 2700-3500K)
		70	Redshift Off (hold 3s)	
		071 - 093	reserved / no function	
		94	Invert Mapping Off (hold 3s)	
		95	reserved / no function	
		96	Invert Mapping CW (hold 3s)	
		97	Invert Mapping CCW (hold 3s)	
		098 - 128	reserved / no function	
		129	LED Mode - Illumination (hold 1,5s)	

Device Settings direct modes				
Ch	Settings	DMX value	Function	remark
	Device Settings (please see remark *1)	130	LED Mode - Boost (hold 1,5s)	
		131 - 169	reserved / no function	
		170	KLSTR switch on	
		171	KLSTR switch off	
		172 - 188	reserved / no function	
		189	Legacy Mode On	
		190	Legacy Mode Off	
		191 - 244	reserved / no function	
		245	Snapshot (hold 3s)	
		246-248	reserved / no function	
		249	User Reset (hold 3s)	No Change of DMX Address and Mode! Reset activates only if Shutter is set to DMX 250
		250	Factory Reset (hold 3s)	No Change of DMX Address and Mode! Reset activates only if Shutter is set to DMX 250
		251 - 255 reserved	No Function	
remark *1: After adjustments please set the value back to 000 to avoid any disturbance by endless function call.				