

CLUSTER

B4 FC

4-Lite Audience Blinder

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

CH	1CH DWE (Calibrated)	2CH DWE (Calibrated)	4-1CH DWE (Calibrated)	4-2CH DWE (Calibrated)	9CH DWE+ (Calibrated)	8CH STROBE (Calibrated)
1	Dimmer	Dimmer 1	Dimmer 1	Dimmer	Master Dimmer	Master Dimmer
2		Dimmer 2	Dimmer 2	Dimmer Curve	Shutter	Shutter
3			Dimmer 3	Dimmer Response	Red	Duration
4			Dimmer 4	Redshift	Green	Dimmer 1
5					Blue	Dimmer 2
6					CTC	Dimmer 3
7					Dimmer Curve	Dimmer 4
8					Dimmer Response	CCT
9					Redshift	

CH	12CH RGB (Calibrated)	10CH BASIC RGB (Calibrated)	14CH BASIC RGB (Calibrated)	21CH SECTION RGB (Calibrated)
1	Red 1	Master Dimmer	Master Dimmer	Dimmer 1
2	Green 1	Shutter	Master Dimmer Fine	Red 1
3	Blue 1	Red	Shutter	Green 1
4	Red 2	Green	Red	Blue 1
5	Green 2	Blue	Red Fine	CTC 1 (affects RGB 1)
6	Blue 2	CTC	Green	Dimmer 2
7	Red 3	Tint	Green Fine	Red 2
8	Green 3	Color Macro	Blue	Green 2
9	Blue 3	Color Macro Crossfade	Blue Fine	Blue 2
10	Red 4	Device Settings	CTC	CTC 2 (affects RGB 2)
11	Green 4		Tint	Dimmer 3
12	Blue 4		Color Macro	Red 3
13			Color Macro Crossfade	Green 3
14			Device Settings	Blue 3
15				CTC 3 (affects RGB 3)
16				Dimmer 4
17				Red 4
18				Green 4
19				Blue 4
20				CTC 4 (affects RGB 4)
21				Device Settings

CH	21CH STANDARD RGB (Calibrated / default)	38 CH STANDARD RGB (Calibrated)	40CH EXTENDED RGB (Calibrated)	57CH EXTENDED RGB (Calibrated)
1	Master Dimmer	Master Dimmer	Master Dimmer	Master Dimmer
2	Shutter	Master Dimmer Fine	Shutter	Master Dimmer Fine
3	Dimmer 1	Shutter	Duration	Shutter
4	Red 1	Dimmer 1	Dimmer 1	Duration
5	Green 1	Dimmer 1 Fine	Red 1	Dimmer 1
6	Blue 1	Red 1	Green 1	Dimmer 1 Fine
7	Dimmer 2	Red 1 Fine	Blue 1	Red 1
8	Red 2	Green 1	CTC 1	Red 1 Fine
9	Green 2	Green 1 Fine	Tint 1	Green 1
10	Blue 2	Blue 1	Color Macro 1	Green 1 Fine
11	Dimmer 3	Blue 1 Fine	Color Macro Crossfade 1	Blue 1
12	Red 3	Dimmer 2	Dimmer 2	Blue 1 Fine
13	Green 3	Dimmer 2 Fine	Red 2	CTC 1
14	Blue 3	Red 2	Green 2	Tint 1
15	Dimmer 4	Red 2 Fine	Blue 2	Color Macro 1
16	Red 4	Green 2	CTC 2	Color Macro Crossfade 1
17	Green 4	Green 2 Fine	Tint 2	Dimmer 2
18	Blue 4	Blue 2	Color Macro 2	Dimmer 2 Fine
19	CTC (all)	Blue 2 Fine	Color Macro Crossfade 2	Red 2
20	Tint (all)	Dimmer 3	Dimmer 3	Red 2 Fine
21	Device Settings	Dimmer 3 Fine	Red 3	Green 2
22		Red 3	Green 3	Green 2 Fine
23		Red 3 Fine	Blue 3	Blue 2
24		Green 3	CTC 3	Blue 2 Fine
25		Green 3 Fine	Tint 3	CTC 2
26		Blue 3	Color Macro 3	Tint 2
27		Blue 3 Fine	Color Macro Crossfade 3	Color Macro 2
28		Dimmer 4	Dimmer 4	Color Macro Crossfade 2
29		Dimmer 4 Fine	Red 4	Dimmer 3
30		Red 4	Green 4	Dimmer 3 Fine
31		Red 4 Fine	Blue 4	Red 3
32		Green 4	CTC 4	Red 3 Fine
33		Green 4 Fine	Tint 4	Green 3
34		Blue 4	Color Macro 4	Green 3 Fine
35		Blue 4 Fine	Color Macro Crossfade 4	Blue 3
36		CTC (all)	Effect	Blue 3 Fine
37		Tint (all)	Dimmer Curve	CTC 3
38		Device Settings	Dimmer Response	Tint 3
39			Redshift	Color Macro 3

CH	38CH STANDARD RGB (Calibrated)	40CH EXTENDED RGB (Calibrated)	57CH EXTENDED RGB (Calibrated)
40		Device Settings	Color Macro Crossfade 3
41			Dimmer 4
42			Dimmer 4 Fine
43			Red 4
44			Red 4 Fine
45			Green 4
46			Green 4 Fine
47			Blue 4
48			Blue 4 Fine
49			CTC 4
50			Tint 4
51			Color Macro 4
52			Color Macro Crossfade 4
53			Effect
54			Dimmer Curve
55			Dimmer Response
56			Redshift
57			Device Settings

CH	20CH DIRECT (RAW)	12CH DIRECT (RAW)	29CH DIRECT (RAW)	48CH DIRECT (RAW)	73CH DIRECT (RAW)
1	Red 1	Master Dimmer	Master Dimmer	Master Dimmer	Master Dimmer
2	Green 1	Shutter	Shutter	Shutter	Master Dimmer Fine
3	Blue 1	Red	Dimmer 1	Duration	Shutter
4	Amber 1	Green	Red 1	Dimmer 1	Duration
5	White 1	Blue	Green 1	Red 1	Dimmer 1
6	Red 2	Amber	Blue 1	Green 1	Dimmer 1 Fine
7	Green 2	White	Amber 1	Blue 1	Red 1
8	Blue 2	CTC	White 1	Amber 1	Red Fine 1
9	Amber 2	Tint	Dimmer 2	White 1	Green 1
10	White 2	Color Macro	Red 2	CTC 1	Green Fine 1
11	Red 3	Color Macro Crossfade	Green 2	Tint 1	Blue 1
12	Green 3	Device Settings	Blue 2	Color Macro 1	Blue Fine 1
13	Blue 3		Amber 2	Color Macro Crossfade 1	Amber 1
14	Amber 3		White 2	Dimmer 2	Amber Fine 1
15	White 3		Dimmer 3	Red 2	White 1
16	Red 4		Red 3	Green 2	White Fine 1
17	Green 4		Green 3	Blue 2	CTC 1
18	Blue 4		Blue 3	Amber 2	Tint 1
19	Amber 4		Amber 3	White 2	Color Macro 1
20	White 4		White 3	CTC 2	Color Macro Crossfade 1
21			Dimmer 4	Tint 2	Dimmer 2
22			Red 4	Color Macro 2	Dimmer 2 Fine
23			Green 4	Color Macro Crossfade 2	Red 2
24			Blue 4	Dimmer 3	Red Fine 2
25			Amber 4	Red 3	Green 2
26			White 4	Green 3	Green Fine 2
27			CTC (all)	Blue 3	Blue 2
28			Tint (all)	Amber 3	Blue Fine 2
29			Device Settings	White 3	Amber 2
30				CTC 3	Amber Fine 2
31				Tint 3	White 2
32				Color Macro 3	White Fine 2
33				Color Macro Crossfade 3	CTC 2
34				Dimmer 4	Tint 2
35				Red 4	Color Macro 2
36				Green 4	Color Macro Crossfade 2
37				Blue 4	Dimmer 3

CH	20CH DIRECT (RAW)	12CH DIRECT (RAW)	29CH DIRECT (RAW)	48CH DIRECT (RAW)	73CH DIRECT (RAW)
38				Amber 4	Dimmer 3 Fine
39				White 4	Red 3
40				CTC 4	Red Fine 3
41				Tint 4	Green 3
42				Color Macro 4	Green Fine 3
43				Color Macro Cross-fade 4	Blue 3
44				Effect	Blue Fine 3
45				Dimmer Curve	Amber 3
46				Dimmer Response	Amber Fine 3
47				Redshift	White 3
48				Device Settings	White Fine 3
49					CTC 3
50					Tint 3
51					Color Macro 3
52					Color Macro Crossfade 3
53					Dimmer 4
54					Dimmer 4 Fine
55					Red 4
56					Red Fine 4
57					Green 4
58					Green Fine 4
59					Blue 4
60					Blue Fine 4
61					Amber 4
62					Amber Fine 4
63					White 4
64					White Fine 4
65					CTC 4
66					Tint 4
67					Color Macro 4
68					Color Macro Crossfade 4
69					Effect
70					Dimmer Curve
71					Dimmer Response
72					Redshift
73					Device Settings

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 2 (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		
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)		

2	Shutter	085 - 089	Shutter open	20	
		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	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
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)		

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
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		
2	Shutter	130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		20
		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	CTC (affects RGB)	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)		
7	Tint (affects CTC and RGB)		Tint (affects CTC and RGB)	no function	0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
8	Color Macro (override RGB/CTC)		Please see ROXX color macro chart		
9	Color Macro Cross-fade (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 (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-064	No function		
		065-069	Linear Dimmer Curve (hold 1,5s)		
		070-074	Exponential Dimmer Curve (hold 1,5s)		
		075-079	Logarithmic Dimmer Curve (hold 1,5s)		
		080-084	S-Curve Dimmer Curve (hold 1,5s)		
		085-089	No function		
		090-094	LED (Fast) Dimmer Response (hold 1,5s)		
		095-099	Medium Dimmer Response (hold 1,5s)		
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)		
105-109	No function				

10	Device Settings (please see remark *1)	110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)		0
		115-119	Redshift Off (hold 1,5s)		
		120-124	No function		
		125-129	Full Calibration (Colors & CCT / hold 3s)		
		130-134	CCT Calibration (RAW Colors / hold 3s)		
		135-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
		195-199	No function		
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping CW (hold 3s)		
		210-214	Invert Mapping CCW (hold 3s)		
		215-219	No function		
		220-224	LED Mode - Illumination (hold 1,5s)		
		225-229	LED Mode - Boost (hold 1,5s)		
		230-234	No function		
		235-239	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250	
		240-244	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self-test by DMX	
		245-255	No function		

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)		

3	Shutter	105 - 109	Shutter open		20
		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
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	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 (affects CTC and RGB)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
12	Color Macro (override RGB/CTC)		Please see ROXX color macro chart		0
13	Color Macro Cross-fade (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 (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-064	No function		
		065-069	Linear Dimmer Curve (hold 1,5s)		
		070-074	Exponential Dimmer Curve (hold 1,5s)		
		075-079	Logarithmic Dimmer Curve (hold 1,5s)		
		080-084	S-Curve Dimmer Curve (hold 1,5s)		
		085-089	No function		
		090-094	LED (Fast) Dimmer Response (hold 1,5s)		
		095-099	Medium Dimmer Response (hold 1,5s)		
		100-104	Halogen(Slow) Dimmer Response (hold 1,5s)		
		105-109	No function		
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)		
		115-119	Redshift Off (hold 1,5s)		
		120-124	No function		
		125-129	Full Calibration (Colors & CCT / hold 3s)		
		130-134	CCT Calibration (RAW Colors / hold 3s)		
		135-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
195-199	No function				
200-204	Invert Mapping Off (hold 3s)				
205-209	Invert Mapping CW (hold 3s)				
210-214	Invert Mapping CCW (hold 3s)				
215-219	No function				
220-224	LED Mode - Illumination (hold 1,5s)				
225-229	LED Mode - Boost (hold 1,5s)				

14	Device Settings (please see remark *1)	230-234	No function		0
		235-239	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250	
		240-244	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self-test by DMX	
		245-255	No function		

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 (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)		
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 (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)		
11	Dimmer 3	000-255	0 - 100%		255
12	Red 3	000-255	0 - 100%		0
13	Green 3	000-255	0 - 100%		0
14	Blue 3	000-255	0 - 100%		0
15	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)		
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 (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)		
21	Device Settings (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-064	No function		
		065-069	Linear Dimmer Curve (hold 1,5s)		
		070-074	Exponential Dimmer Curve (hold 1,5s)		
		075-079	Logarithmic Dimmer Curve (hold 1,5s)		
		080-084	S-Curve Dimmer Curve (hold 1,5s)		
		085-089	No function		
		090-094	LED (Fast) Dimmer Response (hold 1,5s)		
		095-099	Medium Dimmer Response (hold 1,5s)		
		100-104	Halogen(Slow) Dimmer Response (hold 1,5s)		
		105-109	No function		
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)		
		115-119	Redshift Off (hold 1,5s)		
		120-124	No function		
		125-129	Full Calibration (Colors & CCT / hold 3s)		
		130-134	CCT Calibration (RAW Colors / hold 3s)		
		135-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
175-179	Fan Auto (hold 3s)				

21	Device Settings (please see remark *1)	180-184	Fan Silent (hold 3s)		0
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
		195-199	No function		
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping On (hold 3s)		
		210-214	No function		
		215-219	LED Mode - Illumination (hold 1,5s)		
		220-224	LED Mode - Boost (hold 1,5s)		
		225-229	No function		
		230-234	Factory Reset (hold 3s)		
		235-239	User Reset (hold 3s)	no self-test by DMX	
		240-255	No function		

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)		
		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				
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		

DMX CHART

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
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	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)		
20	Tint (affects CTC and RGB 1-4)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
21	Device Settings (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-064	No function		
		065-069	Linear Dimmer Curve (hold 1,5s)		
		070-074	Exponential Dimmer Curve (hold 1,5s)		
		075-079	Logarithmic Dimmer Curve (hold 1,5s)		

21	Device Settings (please see remark *1)	080-084	S-Curve Dimmer Curve (hold 1,5s)		0
		085-089	No function		
		090-094	LED (Fast) Dimmer Response (hold 1,5s)		
		095-099	Medium Dimmer Response (hold 1,5s)		
		100-104	Halogen(Slow) Dimmer Response (hold 1,5s)		
		105-109	No function		
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)		
		115-119	Redshift Off (hold 1,5s)		
		120-124	No function		
		125-129	Full Calibration (Colors & CCT / hold 3s)		
		130-134	CCT Calibration (RAW Colors / hold 3s)		
		135-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
		195-199	No function		
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping CW (hold 3s)		
		210-214	Invert Mapping CCW (hold 3s)		
		215-219	No function		
		220-224	LED Mode - Illumination (hold 1,5s)		
		225-229	LED Mode - Boost (hold 1,5s)		
		230-234	No function		
		235-239	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250	
		240-244	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self-test by DMX	
245-255	No function				

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		
		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	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
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	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)		
37	Tint (affects CTC and RGB 1-4)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
38	Device Settings (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-064	No function		
		065-069	Linear Dimmer Curve (hold 1,5s)		
		070-074	Exponential Dimmer Curve (hold 1,5s)		
075-079	Logarithmic Dimmer Curve (hold 1,5s)				

38	Device Settings (please see remark *1)	080-084	S-Curve Dimmer Curve (hold 1,5s)	
		085-089	No function	
		090-094	LED (Fast) Dimmer Response (hold 1,5s)	
		095-099	Medium Dimmer Response (hold 1,5s)	
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)	
		105-109	No function	
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)	
		115-119	Redshift Off (hold 1,5s)	
		120-124	No function	
		125-129	Full Calibration (Colors & CCT / hold 3s)	
		130-134	CCT Calibration (RAW Colors / hold 3s)	
		135-139	No function	
		140-144	LED Frequency 800Hz (hold 3s)	
		145-149	LED Frequency 1200Hz (hold 3s)	
		150-154	LED Frequency 2000Hz (hold 3s)	
		155-159	LED Frequency 3600Hz (hold 3s)	
		160-164	LED Frequency 12kHz (hold 3s)	
		165-169	LED Frequency 25kHz (hold 3s)	
		170-174	No function	
		175-179	Fan Auto (hold 3s)	
		180-184	Fan Silent (hold 3s)	
		185-189	Fan Off (hold 3s)	
		190-194	Fan High Power (hold 3s)	
		195-199	No function	
		200-204	Invert Mapping Off (hold 3s)	
		205-209	Invert Mapping CW (hold 3s)	
		210-214	Invert Mapping CCW (hold 3s)	
		215-219	No function	
		220-224	LED Mode - Illumination (hold 1,5s)	
		225-229	LED Mode - Boost (hold 1,5s)	
		230-234	No function	
		235-239	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250
		240-244	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self-test by DMX
245-255	No function			

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)		
2	Shutter	085 - 089	Shutter open		20
		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	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		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		

10	Color Macro 1 (override RGB 1/ CTC 1)		Please see ROXX color macro chart		0
11	Color Macro Cross-fade 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)		
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		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
18	Color Macro 2 (override RGB 2 / CTC 2)		Please see ROXX color macro chart		
19	Color Macro Cross-fade 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
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		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		

26	Color Macro 3 (override RGB 3/ CTC 3)		Please see ROXX color macro chart		0
27	Color Macro Cross-fade 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)		
33	Tint 4 (affects CTC 4 and RGB 4)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
34	Color Macro 4 (override RGB 4 / CTC 4)		Please see ROXX color macro chart		0
35	Color Macro Cross-fade 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	016-039	Effect 1 (slow to fast)		0
		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		
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 (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-124	No function		
		125-129	Full Calibration (Colors & CCT / hold 3s)		
		130-134	CCT Calibration (RAW Colors / hold 3s)		
		135-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
185-189	Fan Off (hold 3s)				
190-194	Fan High Power (hold 3s)				
195-199	No function				

40	Device Settings (please see remark *1)	200-204	Invert Mapping Off (hold 3s)		0
		205-209	Invert Mapping CW (hold 3s)		
		210-214	Invert Mapping CCW (hold 3s)		
		215-219	No function		
		220-224	LED Mode - Illumination (hold 1,5s)		
		225-229	LED Mode - Boost (hold 1,5s)		
		230-234	No function		
		235-239	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250	
		240-244	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self-test by DMX	
		245-255	No function		

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		
		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	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		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
15	Color Macro 1 (override RGB 1/ CTC 1)		Please see ROXX color macro chart		0
16	Color Macro Cross-fade 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)		

DMX CHART

26	Tint 2 (affects CTC 2 and RGB 2)	0	no function	0	
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
27	Color Macro 2 (override RGB 2 / CTC 2)		Please see ROXX color macro chart	0	
28	Color Macro Cross-fade 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	0	
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
39	Color Macro 3 (override RGB 3/ CTC 3)		Please see ROXX color macro chart	0	
40	Color Macro Cross-fade 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		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
51	Color Macro 4 (override RGB 4 / CTC 4)		Please see ROXX color macro chart		0
52	Color Macro Cross- fade 4 (Transition Time between Color Macros 4)	000 - 005	no function		0
52	Color Macro Cross- fade 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 (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-124	No function		
		125-129	Full Calibration (Colors & CCT / hold 3s)		
		130-134	CCT Calibration (RAW Colors / hold 3s)		
		135-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
		195-199	No function		
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping CW (hold 3s)		
		210-214	Invert Mapping CCW (hold 3s)		
		215-219	No function		
		220-224	LED Mode - Illumination (hold 1,5s)		
		225-229	LED Mode - Boost (hold 1,5s)		
		230-234	No function		
235-239	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250			

57	Device Settings (please see remark *1)	240-244	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self- test by DMX	0
		245-255	No function		

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		
		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)		

2	Shutter	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		
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	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 (affects CTC and RGBAW)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
10	Color Macro (override RGBAW/ CTC)		Please see ROXX color macro chart		0
11	Color Macro Cross-fade (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 (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-064	No function		
		065-069	Linear Dimmer Curve (hold 1,5s)		
		070-074	Exponential Dimmer Curve (hold 1,5s)		
		075-079	Logarithmic Dimmer Curve (hold 1,5s)		
		080-084	S-Curve Dimmer Curve (hold 1,5s)		
		085-089	No function		
		090-094	LED (Fast) Dimmer Response (hold 1,5s)		
		095-099	Medium Dimmer Response (hold 1,5s)		
		100-104	Halogen (Slow) Dimmer Response (hold 1,5s)		
		105-109	No function		
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)		
		115-119	Redshift Off (hold 1,5s)		
		120-124	No function		
		125-129	RAW (hold 3s)		
		130-134	User Calibration (hold 3s)		
		135-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
195-199	No function				
200-204	Invert Mapping Off (hold 3s)				
205-209	Invert Mapping CW (hold 3s)				
210-214	Invert Mapping CCW (hold 3s)				
215-219	No function				
220-224	LED Mode - Illumination (hold 1,5s)				

12	Device Settings (please see remark *1	225-229	LED Mode - Boost (hold 1,5s)		0
		230-234	No function		
		235-239	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250	
		240-244	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self- test by DMX	
		245-255	No function		

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)		
		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	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
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	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)		
28	Tint (affects CTC and RGBAW 1-4)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
29	Device Settings (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-064	No function		
		065-069	Linear Dimmer Curve (hold 1,5s)		
		070-074	Exponential Dimmer Curve (hold 1,5s)		
		075-079	Logarithmic Dimmer Curve (hold 1,5s)		
		080-084	S-Curve Dimmer Curve (hold 1,5s)		
		085-089	No function		
		090-094	LED (Fast) Dimmer Response (hold 1,5s)		

29	Device Settings (please see remark *1)	095-099	Medium Dimmer Response (hold 1,5s)		0
		100-104	Halogen(Slow) Dimmer Response (hold 1,5s)		
		105-109	No function		
		110-114	Redshift On (hold 1,5s / affects only between 2700-3500K)		
		115-119	Redshift Off (hold 1,5s)		
		120-124	No function		
		125-129	RAW (hold 3s)		
		130-134	User Calibration (hold 3s)		
		135-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
		195-199	No function		
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping CW (hold 3s)		
		210-214	Invert Mapping CCW (hold 3s)		
		215-219	No function		
		220-224	LED Mode - Illumination (hold 1,5s)		
		225-229	LED Mode - Boost (hold 1,5s)		
		230-234	No function		
		235-239	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250	
		240-244	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self- test by DMX	
245-255	No function				

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		
2	Shutter	025 - 064	Strobe 1 (fast ⊕ slow)		20
		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	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
10	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)		

11	Tint 1 (affects CTC 1 and RGB 1)	0	no function	0	
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
12	Color Macro 1 (override RGB 1/ CTC 1)		Please see ROXX color macro chart	0	
13	Color Macro Cross-fade 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 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)		
21	Tint 2 (affects CTC 2 and RGB 2)	0	no function	0	
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
22	Color Macro 2 (override RGB 2 / CTC 2)		Please see ROXX color macro chart	0	
23	Color Macro Cross-fade 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 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)		
31	Tint 3 (affects CTC 3 and RGB 3)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
32	Color Macro 3 (override RGB 3/ CTC 3)		Please see ROXX color macro chart		0
33	Color Macro Cross- fade 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 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)		
41	Tint 4 (affects CTC 4 and RGB 4)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
42	Color Macro 4 (override RGB 4 / CTC 4)		Please see ROXX color macro chart		0
43	Color Macro Cross- fade 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)		
44	Effect override RGBAW 1-4 / CTC 1-4, Color Macro 1-4	184-207	Effect 8 (slow to fast)		0
		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		
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 (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-122	No function		
		123-127	RAW (hold 3s)		
		128-132	User Calibration (hold 3s)		
		133-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		

48	Device Settings (please see remark *1)	155-159	LED Frequency 3600Hz (hold 3s)		0
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
		195-199	No function		
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping CW (hold 3s)		
		210-214	Invert Mapping CCW (hold 3s)		
		215-219	No function		
		220-224	LED Mode - Illumination (hold 1,5s)		
		225-229	LED Mode - Boost (hold 1,5s)		
		230-234	No function		
235-239	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250			
240-244	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self- test by DMX			
245-255	No function				

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)		

3	Shutter	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				
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	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 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)		
18	Tint 1 (affects CTC 1 and RGB 1)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
19	Color Macro 1 (override RGB 1/ CTC 1)		please use color macros from ROXX color macro chart		0

20	Color Macro Cross-fade 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 2 Fine	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 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)		
34	Tint 2 (affects CTC 2 and w 2)	0	no function	0	
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
35	Color Macro 2 (override RGB 2 / CTC 2)		Please see ROXX color macro chart	0	
36	Color Macro Cross-fade 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 3 Fine	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 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)		
50	Tint 3 (affects CTC 3 and RGB 3)	0	no function		0
		001-127	Magenta -> Neutral		
		128-128	Neutral		
		129-255	Neutral -> Green		
51	Color Macro 3 (override RGB 3/ CTC 3)		Please see ROXX color macro chart		0
52	Color Macro Cross- fade 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 4 Fine	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
65	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)		

66	Tint 4 (affects CTC 4 and RGB 4)	0	no function	0
		001-127	Magenta -> Neutral	
		128-128	Neutral	
		129-255	Neutral -> Green	
67	Color Macro 4 (override RGB 4 / CTC 4)		Please see ROXX color macro chart	0
68	Color Macro Cross-fade 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)			
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	0
		085-170	Redshift Off	
		171-255	Redshift On	
73	Device Settings (please see remark *1)	000-029	No function	0
		030-034	Display Backlight On (hold 3s)	
		035-039	Display Backlight Off (hold 3s)	
		040-044	No function	
		045-049	DMX Fail Blackout (hold 3s)	
		050-054	DMX Fail Hold (hold 3s)	

73	Device Settings (please see remark *1)	055-059	DMX Fail - Emergency Light (hold 3s)		0
		060-122	No function		
		123-127	RAW (hold 3s)		
		128-132	User Calibration (hold 3s)		
		133-139	No function		
		140-144	LED Frequency 800Hz (hold 3s)		
		145-149	LED Frequency 1200Hz (hold 3s)		
		150-154	LED Frequency 2000Hz (hold 3s)		
		155-159	LED Frequency 3600Hz (hold 3s)		
		160-164	LED Frequency 12kHz (hold 3s)		
		165-169	LED Frequency 25kHz (hold 3s)		
		170-174	No function		
		175-179	Fan Auto (hold 3s)		
		180-184	Fan Silent (hold 3s)		
		185-189	Fan Off (hold 3s)		
		190-194	Fan High Power (hold 3s)		
		195-199	No function		
		200-204	Invert Mapping Off (hold 3s)		
		205-209	Invert Mapping CW (hold 3s)		
		210-214	Invert Mapping CCW (hold 3s)		
		215-219	No function		
		220-224	LED Mode - Illumination (hold 1,5s)		
		225-229	LED Mode - Boost (hold 1,5s)		
		230-234	No function		
235-239	Factory Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250			
240-244	User Reset (hold 3s)	Reset only starts if Shutter channel is set to DMX 250 / no self- test by DMX			
245-255	No function				
remark *1	After adjustments please set the value back to 000 to avoid any disturbance by endless function call.				

