

B.FLEX / B.FLEX mini

3CH CCT	28CH PATTERN
8CH COLOR MACRO	80CH PIXEL
6CH RGB	7CH DIRECT
9CH RGB	11CH DIRECT
10CH RGB	20CH DIRECT
19CH RGB (default)	23CH DIRECT
21CH RGB	29CH PATTERN

3 CH CCT MODE - Color Calibrated - (Halo not controlable)			
Ch.	Function	Value	Setting
1	Dimmer	000-255	0 - 100%
2	CTC Center LED	000 - 004	5600K
		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)
3	Tint Center LED (affects CTC)	0	No function
		001-127	Magenta -> Neutral
		128-128	Neutral
		129-255	Neutral -> Green
8 CH COLOR MACRO MODE - Color Calibrated			
Ch.	Function	Value	Setting
1	Dimmer Center	000-255	0 - 100%
2	Shutter Center	000 - 019	No function
		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

according to CTC chart

2	Shutter Center	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	Color Macro Center		Please use color macros from ROXX® color macro chart
4	Color Macro Crossfade Center (Transition Time between Color Macros)	000 - 005	No function
		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)
5	Dimmer Halo	000-255	0 - 100%
6	Shutter Halo	000 - 019	No function
		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		

7	Color Macro Halo		Please use color macros from ROXX® color macro chart
8	Color Macro Crossfade Halo (Transition Time between Color Macros)	000 - 005	No function
		006-105	0,1s - 10s (0,1s steps)
		106-214	11s - 119s (1s steps)
		215-244	2m - 4m50s (10s steps)
6 CH RGB MODE - Color Calibrated			
Ch.	Function	Value	Setting
1	Red (Center)	000-255	0 - 100%
2	Green (Center)	000-255	0 - 100%
3	Blue (Center)	000-255	0 - 100%
4	Red (Halo)	000-255	0 - 100%
5	Green (Halo)	000-255	0 - 100%
6	Blue (Halo)	000-255	0 - 100%
9 CH RGB MODE - Color Calibrated			
Ch.	Function	Value	Setting
1	Red (Center)	000-255	0 - 100%
2	Red Fine (Center)	000-255	0 - 100%
3	Green (Center)	000-255	0 - 100%
4	Green Fine (Center)	000-255	0 - 100%
5	Blue (Center)	000-255	0 - 100%
6	Blue Fine (Center)	000-255	0 - 100%
7	Red (Halo)	000-255	0 - 100%
8	Green (Halo)	000-255	0 - 100%
9	Blue (Halo)	000-255	0 - 100%
10 CH RGB MODE - Color Calibrated			
Ch.	Function	Value	Setting
1	Dimmer Center	000-255	0 - 100%
2	Shutter Center	000 - 019	No function
		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

2	Shutter Center	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 (Center)	000-255	0 - 100%
4	Green (Center)	000-255	0 - 100%
5	Blue (Center)	000-255	0 - 100%
6	Dimmer Halo	000-255	0 - 100%
7	Shutter Halo	000 - 019	No function
		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		
8	Red (Halo)	000-255	0 - 100%
9	Green (Halo)	000-255	0 - 100%
10	Blue (Halo)	000-255	0 - 100%

19 CH RGB MODE - Color Calibrated (default)

Ch.	Function	Value	Setting
1	Dimmer Center	000-255	0 - 100%
2	Shutter Center	000 - 019	No function
		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	Red Center	000-255	0 - 100%
4	Green Center	000-255	0 - 100%
5	Blue Center	000-255	0 - 100%
6	CTC Center (affects RGB)	000 - 004	5600K
		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)
according to CTC chart			
7	Color Macro Center (override RGB/CTC)		Please use color macros from ROXX® color macro chart
8	Color Macro Crossfade Center (Transition Time between Color Macros)	000 - 005	No function
		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)
9	Dimmer Halo	000-255	0 - 100%

10	Shutter Halo	000 - 019	No function
		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		
11	Red Halo	000-255	0 - 100%
12	Green Halo	000-255	0 - 100%
13	Blue Halo	000-255	0 - 100%
14	CTC Halo (affects RGB)	000 - 004	RAW
		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)
15	Color Macro Halo (override RGB/CTC)		Please use color macros from ROXX® color macro chart
16	Color Macro Crossfade Halo (Transition Time between Color Macros)	000 - 005	No function
		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)

according to CTC chart

17	Auto Programs (override Center + Halo Shutter, RGB, CTC, Color Macro) Dimmer Center + Dimmer Halo still controllable	000 - 005	no function - Stop Program
		006-011	Center - 7 Color Fade
		012-017	Center - 7 Color Jump
		018-023	Center - 15 Color Jump
		024-029	Center - 15 Color Jump
		030-035	Center - Police RB
		036-041	Center - Police B
		042-047	Center - Candle Light
		048-053	Center - Fireworks
		054-059	Center - Red Carpet
		060-065	Center - Welding
		066-071	Halo - 7 Color Fade (all)
		072-077	Halo - 7 Color Jump (all)
		078-083	Halo - 15 Color Fade (all)
		084-089	Halo - 15 Color Jump (all)
		090-095	Halo - 7 Color Chase / Fade
		096-101	Halo - 7 Color Chase / Jump
		102-107	Halo - 15 Color Chase / Fade
		108-113	Halo - 15 Color Chase / Jump
		114-119	Halo - Rainbow
		120-125	Halo - Random Pixel Strobe / 10.000K
		126-131	Halo - Pixel Strobe / Random Color
		132-137	Halo - Candle Light
		138-143	Halo - Fire
		144-149	Halo - Ice
		150-155	Halo - Fireworks
		156-161	Halo - Red Carpet
		162-167	Halo - Welding
		168-173	Center & Halo - 7 Color Fade / Uniform
		174-179	Center & Halo - 7 Color Fade / Offset
		180-185	Center & Halo - 7 Color Fade / Rainbow
		186-191	Center & Halo - 7 Color Jump / Uniform
		192-197	Center & Halo - 7 Color Jump / Offset
		198-203	Center & Halo - 15 Color Fade / Uniform
204-209	Center & Halo - 15 Color Fade / Offset		
210-215	Center & Halo - 15 Color Fade / Rainbow		
216-221	Center & Halo - 15 Color Jump / Uniform		
222-227	Center & Halo - 15 Color Jump / Offset		
228-233	Center & Halo - Fireworks		
234-239	Center & Halo - Red Carpet		
240-245	Center & Halo - Welding		
246-255	no function		

18	Auto Program Speed	000 - 005	No function - Auto Program Speed Stop
		006 - 126	Auto Program fast to slow - Forward (clockwise)
		127 - 127	Stop
		128 - 255	Auto Program slow to fast - Backward (counter-clockwise)
19	Device Settings (please see remark *1)	000-029	No function
		030-034	Battery Runtime Off (hold 3s)
		035-039	Battery Runtime 8 hours (hold 3s)
		040-044	Battery Runtime 12 hours (hold 3s)
		045-049	Battery Runtime 16 hours (hold 3s)
		050-054	Battery Runtime 20 hours (hold 3s)
		055-059	Battery Runtime 24 hours (hold 3s)
		060-064	No function
		065-069	Display Backlight On (hold 3s)
		070-074	Display Backlight Off (hold 3s)
		075-079	No function
		080-084	DMX Fail - Blackout (hold 3s)
		085-089	DMX Fail - Hold (hold 3s)
		090-094	DMX Fail - Emergency Light (hold 3s)
		095-099	No function
		100-104	AC Fail - Hold (hold 3s)
		105-109	AC Fail - Blackout (hold 3s)
		110-114	AC Fail - Emergency Light (hold 3s)
		115-119	No function
		120-124	Linear Dimmer Curve (hold 3s)
		125-129	Exponential Dimmer Curve (hold 3s)
		130-134	Logarithmic Dimmer Curve (hold 3s)
		135-139	S-Curve Dimmer Curve (hold 3s)
		140-144	No function
		145-149	Dimmer Response LED (Hold 1,5s)
		150-154	Dimmer Response Halogen (Hold 1,5s)
		155-159	No function
		160-164	LED Frequency 800Hz (hold 3s)
		165-169	LED Frequency 1200Hz (hold 3s)
		170-174	LED Frequency 2000Hz (hold 3s)
		175-179	LED Frequency 3600Hz (hold 3s)
		180-184	LED Frequency 12kHz (hold 3s)
185-189	LED Frequency 25kHz (hold 3s)		
190-194	No function		
195-199	Full Calibration (Colors & CCT / Hold 3s)		
200-204	CCT Calibration (RAW Colors / Hold 3s)		
205-209	Factory Reset (hold 3s) - except User Reset defaults		
210-214	User Reset (hold 3s)		
215-255	No function		

21 CH RGB MODE - Color Calibrated

Ch.	Function	Value	Setting
1	Dimmer Center	000-255	0 - 100%
2	Dimmer Fine	000-255	0 - 100%
3	Shutter Center	000 - 019	No function
		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 (Center)	000-255	0 - 100%
5	Red Fine (Center)	000-255	0 - 100%
6	Green (Center)	000-255	0 - 100%
7	Green Fine (Center)	000-255	0 - 100%
8	Blue (Center)	000-255	0 - 100%
9	Blue Fine (Center)	000-255	0 - 100%
10	CTC Center (affects RGB)	000 - 004	5600K
		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)
			according to CTC chart
11	Color Macro Center (override RGB/CTC)		Please use color macros from ROXX® color macro chart

12	Color Macro Crossfade Center (Transition Time between Color Macros)	000 - 005	No function	
		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)	
13	Dimmer Halo	000-255	0 - 100%	
14	Shutter Halo	000 - 019	No function	
		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			
15	Red (Halo)	000-255	0 - 100%	
16	Green (Halo)	000-255	0 - 100%	
17	Blue (Halo)	000-255	0 - 100%	
18	CTC Halo (affects RGB)	000 - 004	RAW	according to CTC chart
		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)	
19	Color Macro Halo (override RGB/CTC)		Please use color macros from ROXX® color macro chart	
20	Color Macro Crossfade Halo (Transition Time between Color Macros)	000 - 005	No function	
		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	Device Settings (please see remark *1)	000-029	No function
		030-034	Battery Runtime Off (hold 3s)
		035-039	Battery Runtime 8 hours (hold 3s)
		040-044	Battery Runtime 12 hours (hold 3s)
		045-049	Battery Runtime 16 hours (hold 3s)
		050-054	Battery Runtime 20 hours (hold 3s)
		055-059	Battery Runtime 24 hours (hold 3s)
		060-064	No function
		065-069	Display Backlight On (hold 3s)
		070-074	Display Backlight Off (hold 3s)
		075-079	No function
		080-084	DMX Fail - Blackout (hold 3s)
		085-089	DMX Fail - Hold (hold 3s)
		090-094	DMX Fail - Emergency Light (hold 3s)
		095-099	No function
		100-104	AC Fail - Hold (hold 3s)
		105-109	AC Fail - Blackout (hold 3s)
		110-114	AC Fail - Emergency Light (hold 3s)
		115-119	No function
		120-124	Linear Dimmer Curve (hold 3s)
		125-129	Exponential Dimmer Curve (hold 3s)
		130-134	Logarithmic Dimmer Curve (hold 3s)
		135-139	S-Curve Dimmer Curve (hold 3s)
		140-144	No function
		145-149	Dimmer Response LED (Hold 1,5s)
		150-154	Dimmer Response Halogen (Hold 1,5s)
		155-159	No function
		160-164	LED Frequency 800Hz (hold 3s)
		165-169	LED Frequency 1200Hz (hold 3s)
		170-174	LED Frequency 2000Hz (hold 3s)
		175-179	LED Frequency 3600Hz (hold 3s)
		180-184	LED Frequency 12kHz (hold 3s)
		185-189	LED Frequency 25kHz (hold 3s)
		190-194	No function
195-199	Full Calibration (Colors & CCT / Hold 3s)		
200-204	CCT Calibration (RAW Colors / Hold 3s)		
205-209	Factory Reset (hold 3s) - except User Reset defaults		
210-214	User Reset (hold 3s)		
215-255	No function		

28 CH PATTERN MODE - Color Calibrated

Ch.	Function	Value	Setting
1	Dimmer Center	000-255	0 - 100%
2	Shutter Center	000 - 019	No function
		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	Red Center	000-255	0 - 100%
4	Green Center	000-255	0 - 100%
5	Blue Center	000-255	0 - 100%
6	CTC Center (affects RGB)	000 - 004	5600K
		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)
according to CTC chart			
7	Color Macro Center (override RGB/CTC)		Please use color macros from ROXX® color macro chart
8	Color Macro Crossfade Center (Transition Time between Color Macros)	000 - 005	No function
		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)
9	Dimmer Halo	000-255	0 - 100%

10	Shutter Halo	000 - 019	No function	
		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			
11	Red Halo	000-255	0 - 100%	
12	Green Halo	000-255	0 - 100%	
13	Blue Halo	000-255	0 - 100%	
14	CTC Halo (affects RGB)	000 - 004	RAW	according to CTC chart
		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)	
15	Color Macro Halo (override RGB/CTC)		Please use color macros from ROXX® color macro chart	
16	Color Macro Crossfade Halo (Transition Time between Color Macros)	000 - 005	No function	
		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	Effect Pattern Halo (colors are still selectable by channel 11-15)	000 - 005	no Effect Pattern	
		006-017	Effect Pattern 1	
		018-29	Effect Pattern 2	
		030-041	Effect Pattern 3	
		042-054	Effect Pattern 4	
		055-067	Effect Pattern 5	

17	Effect Pattern Halo (colors are still selectable by channel 11-15)	068-079	Effect Pattern 6
		080-091	Effect Pattern 7
		092-103	Effect Pattern 8
		104-115	Effect Pattern 9
		116-127	Effect Pattern 10
		128-139	Effect Pattern 11
		140-151	Effect Pattern 12
		152-163	Effect Pattern 13
		164-175	Effect Pattern 14
		176-187	Effect Pattern 15
		188-199	Effect Pattern 16
		200-211	Effect Pattern 17
		212-223	Effect Pattern 18
		224-235	Effect Pattern 19
236-255	Effect Pattern 20		
18	Effect Pattern Speed	000 - 005	Effect Speed - Pattern stops
		006-125	Efect Speed Clockwise - fast ⊕ slow
		126-127	Effect Speed - Pattern stops
		128-255	Efect Speed Counter Clockwise slow ⊕ fast
19	Effect Pattern Transition (Transition between Effect Patterns)	000 - 255	0s - 5s
20	Dimmer Backlight Halo	000-255	0 - 100%
21	Shutter Backlight Halo	000 - 019	No function
		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)		

21	Shutter Backlight Halo	225 - 229	Shutter open	
		230 - 244	Strobe 10: burst (fast @ slow)	
		245 - 255	Shutter open	
22	Red Backlight Halo	000-255	0 - 100%	
23	Green Backlight Halo	000-255	0 - 100%	
24	Blue Backlight Halo	000-255	0 - 100%	
25	CTC Backlight Halo (affects RGB)	000 - 004	5600K	according to CTC chart
		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	Color Macro Backlight Halo (override RGB)		Please use color macros from ROXX® color macro chart	
27	Color Macro Crossfade Backlight Halo (Transition Time between Color Macros)	000 - 005	No function	
		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	Device Settings (please see remark *1)	000-029	No function	
		030-034	Battery Runtime Off (hold 3s)	
		035-039	Battery Runtime 8 hours (hold 3s)	
		040-044	Battery Runtime 12 hours (hold 3s)	
		045-049	Battery Runtime 16 hours (hold 3s)	
		050-054	Battery Runtime 20 hours (hold 3s)	
		055-059	Battery Runtime 24 hours (hold 3s)	
		060-064	No function	
		065-069	Display Backlight On (hold 3s)	
		070-074	Display Backlight Off (hold 3s)	
		075-079	No function	
		080-084	DMX Fail - Blackout (hold 3s)	
		085-089	DMX Fail - Hold (hold 3s)	
		090-094	DMX Fail - Emergency Light (hold 3s)	
		095-099	No function	
		100-104	AC Fail - Hold (hold 3s)	
		105-109	AC Fail - Blackout (hold 3s)	
		110-114	AC Fail - Emergency Light (hold 3s)	
		115-119	No function	
		120-124	Linear Dimmer Curve (hold 3s)	
125-129	Exponential Dimmer Curve (hold 3s)			
130-134	Logarithmic Dimmer Curve (hold 3s)			
135-139	S-Curve Dimmer Curve (hold 3s)			
140-144	No function			

28	Device Settings (please see remark *1)	145-149	Dimmer Response LED (Hold 1,5s)
		150-154	Dimmer Response Halogen (Hold 1,5s)
		155-159	No function
		160-164	LED Frequency 800Hz (hold 3s)
		165-169	LED Frequency 1200Hz (hold 3s)
		170-174	LED Frequency 2000Hz (hold 3s)
		175-179	LED Frequency 3600Hz (hold 3s)
		180-184	LED Frequency 12kHz (hold 3s)
		185-189	LED Frequency 25kHz (hold 3s)
		190-194	No function
		195-199	Full Calibration (Colors & CCT / Hold 3s)
		200-204	CCT Calibration (RAW Colors / Hold 3s)
		205-209	Factory Reset (hold 3s) - except User Reset defaults
		210-214	User Reset (hold 3s)
		215-255	No function
80 CH PIXEL MODE - Color Calibrated			
Ch.	Function	Value	Setting
1	Dimmer Center	000-255	0 - 100%
2	Shutter Center	000 - 019	No function
		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	Red Center	000-255	0 - 100%

4	Green Center	000-255	0 - 100%
5	Blue Center	000-255	0 - 100%
6	Dimmer Halo	000-255	0 - 100%
7	Shutter Halo	000 - 019	No function
		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		
8	Pixel 01 Red	000-255	0 - 100%
9	Pixel 01 Green	000-255	0 - 100%
10	Pixel 01 Blue	000-255	0 - 100%
11	Pixel 02 Red	000-255	0 - 100%
12	Pixel 02 Green	000-255	0 - 100%
13	Pixel 02 Blue	000-255	0 - 100%
Pixel 02-23		
77	Pixel 24 Red	000-255	0 - 100%
78	Pixel 24 Green	000-255	0 - 100%
79	Pixel 24 Blue	000-255	0 - 100%
80	Device Settings (please see remark *1)	000-029	No function
		030-034	Battery Runtime Off (hold 3s)
		035-039	Battery Runtime 8 hours (hold 3s)
		040-044	Battery Runtime 12 hours (hold 3s)
		045-049	Battery Runtime 16 hours (hold 3s)
		050-054	Battery Runtime 20 hours (hold 3s)
		055-059	Battery Runtime 24 hours (hold 3s)
		060-064	No function

80	Device Settings (please see remark *1)	065-069	Display Backlight On (hold 3s)
		070-074	Display Backlight Off (hold 3s)
		075-079	No function
		080-084	DMX Fail - Blackout (hold 3s)
		085-089	DMX Fail - Hold (hold 3s)
		090-094	DMX Fail - Emergency Light (hold 3s)
		095-099	No function
		100-104	AC Fail - Hold (hold 3s)
		105-109	AC Fail - Blackout (hold 3s)
		110-114	AC Fail - Emergency Light (hold 3s)
		115-119	No function
		120-124	Linear Dimmer Curve (hold 3s)
		125-129	Exponential Dimmer Curve (hold 3s)
		130-134	Logarithmic Dimmer Curve (hold 3s)
		135-139	S-Curve Dimmer Curve (hold 3s)
		140-144	No function
		145-149	Dimmer Response LED (Hold 1,5s)
		150-154	Dimmer Response Halogen (Hold 1,5s)
		155-159	No function
		160-164	LED Frequency 800Hz (hold 3s)
		165-169	LED Frequency 1200Hz (hold 3s)
		170-174	LED Frequency 2000Hz (hold 3s)
		175-179	LED Frequency 3600Hz (hold 3s)
		180-184	LED Frequency 12kHz (hold 3s)
		185-189	LED Frequency 25kHz (hold 3s)
		190-194	No function
		195-199	Full Calibration (Colors & CCT / Hold 3s)
		200-204	CCT Calibration (RAW Colors / Hold 3s)
205-209	Factory Reset (hold 3s) - except User Reset defaults		
210-214	User Reset (hold 3s)		
215-255	No function		

7 CH DIRECT MODE (RAW)

Ch.	Function	Value	Setting
1	Red (Center)	000-255	0 - 100%
2	Green (Center)	000-255	0 - 100%
3	Blue (Center)	000-255	0 - 100%
4	Lime (Center)	000-255	0 - 100%

5	Red (Halo)	000-255	0 - 100%
6	Green (Halo)	000-255	0 - 100%
7	Blue (Halo)	000-255	0 - 100%

11 CH DIRECT MODE (RAW)

Ch.	Function	Value	Setting
1	Red (Center)	000-255	0 - 100%
2	Red Fine (Center)	000-255	0 - 100%
3	Green (Center)	000-255	0 - 100%
4	Green Fine (Center)	000-255	0 - 100%
5	Blue (Center)	000-255	0 - 100%
6	Blue Fine (Center)	000-255	0 - 100%
7	Lime (Center)	000-255	0 - 100%
8	Lime Fine (Center)	000-255	0 - 100%
9	Red (Halo)	000-255	0 - 100%
10	Green (Halo)	000-255	0 - 100%
11	Blue (Halo)	000-255	0 - 100%

20 CH DIRECT MODE (RAW)

Ch.	Function	Value	Setting
1	Dimmer Center	000-255	0 - 100%
2	Shutter Center	000 - 019	No function
		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 Center	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 Center	000-255	0 - 100%	
4	Green Center	000-255	0 - 100%	
5	Blue Center	000-255	0 - 100%	
6	Lime Center	000-255	0 - 100%	
7	CTC Center (affects RGB)	000 - 004	RAW	according to CTC chart
		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)	
8	Color Macro Center (override RGB/CTC)		Please use color macros from ROXX® color macro chart	
9	Color Macro Crossfade Center (Transition Time between Color Macros)	000 - 005	No function	
		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	Dimmer Halo	000-255	0 - 100%	
11	Shutter Halo	000 - 019	No function	
		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			

12	Red Halo	000-255	0 - 100%	
13	Green Halo	000-255	0 - 100%	
14	Blue Halo	000-255	0 - 100%	
15	CTC Halo (affects RGB)	000 - 004	RAW	according to CTC chart
		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	Color Macro Halo (override RGB/CTC)		Please use color macros from ROXX® color macro chart	
17	Color Macro Crossfade Halo (Transition Time between Color Macros)	000 - 005	No function	
		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)	
18	Auto Programs (override Center + Halo Shutter, RGB, CTC, Color Macro) Dimmer Center + Dimmer Halo still controllable	000 - 005	no function - Stop Program	
		006-011	Center - 7 Color Fade	
		012-017	Center - 7 Color Jump	
		018-023	Center - 15 Color Jump	
		024-029	Center - 15 Color Jump	
		030-035	Center - Police RB	
		036-041	Center - Police B	
		042-047	Center - Candle Light	
		048-053	Center - Fireworks	
		054-059	Center - Red Carpet	
		060-065	Center - Welding	
		066-071	Halo - 7 Color Fade (all)	
		072-077	Halo - 7 Color Jump (all)	
		078-083	Halo - 15 Color Fade (all)	
		084-089	Halo - 15 Color Jump (all)	
		090-095	Halo - 7 Color Chase / Fade	
		096-101	Halo - 7 Color Chase / Jump	
		102-107	Halo - 15 Color Chase / Fade	
		108-113	Halo - 15 Color Chase / Jump	
		114-119	Halo - Rainbow	
		120-125	Halo - Random Pixel Strobe / 10.000K	
		126-131	Halo - Pixel Strobe / Random Color	
		132-137	Halo - Candle Light	
		138-143	Halo - Fire	
144-149	Halo - Ice			
150-155	Halo - Fireworks			
156-161	Halo - Red Carpet			

18	Auto Programs (override Center + Halo Shutter, RGB, CTC, Color Macro) Dimmer Center + Dimmer Halo still controllable	162-167	Halo - Weldingt
		168-173	Center & Halo - 7 Color Fade / Uniform
		174-179	Center & Halo - 7 Color Fade / Offset
		180-185	Center & Halo - 7 Color Fade / Rainbow
		186-191	Center & Halo - 7 Color Jump / Uniform
		192-197	Center & Halo - 7 Color Jump / Offset
		198-203	Center & Halo - 15 Color Fade / Uniform
		204-209	Center & Halo - 15 Color Fade / Offset
		210-215	Center & Halo - 15 Color Fade / Rainbow
		216-221	Center & Halo - 15 Color Jump / Uniform
		222-227	Center & Halo - 15 Color Jump / Offset
		228-233	Center & Halo - Fireworks
		234-239	Center & Halo - Red Carpet
		240-245	Center & Halo - Welding
		246-255	no function
19	Auto Program Speed	000 - 005	no function - Auto Program Speed Stop
		006 - 126	Auto Program fast to slow - Forward (clockwise)
		127 - 127	Stop
		128 - 255	Auto Program slow to fast - Backward (counter-clockwise)
20	Device Settings (please see remark *1)	000-029	No function
		030-034	Battery Runtime Off (hold 3s)
		035-039	Battery Runtime 8 hours (hold 3s)
		040-044	Battery Runtime 12 hours (hold 3s)
		045-049	Battery Runtime 16 hours (hold 3s)
		050-054	Battery Runtime 20 hours (hold 3s)
		055-059	Battery Runtime 24 hours (hold 3s)
		060-064	No function
		065-069	Display Backlight On (hold 3s)
		070-074	Display Backlight Off (hold 3s)
		075-079	No function
		080-084	DMX Fail - Blackout (hold 3s)
		085-089	DMX Fail - Hold (hold 3s)
		090-094	DMX Fail - Emergency Light (hold 3s)
		095-099	No function
		100-104	AC Fail - Hold (hold 3s)
		105-109	AC Fail - Blackout (hold 3s)
		110-114	AC Fail - Emergency Light (hold 3s)
115-119	No function		
120-124	Linear Dimmer Curve (hold 3s)		

20	Device Settings (please see remark *1)	125-129	Exponential Dimmer Curve (hold 3s)
		130-134	Logarithmic Dimmer Curve (hold 3s)
		135-139	S-Curve Dimmer Curve (hold 3s)
		140-144	No function
		145-149	Dimmer Response LED (Hold 1,5s)
		150-154	Dimmer Response Halogen (Hold 1,5s)
		155-159	No function
		160-164	LED Frequency 800Hz (hold 3s)
		165-169	LED Frequency 1200Hz (hold 3s)
		170-174	LED Frequency 2000Hz (hold 3s)
		175-179	LED Frequency 3600Hz (hold 3s)
		180-184	LED Frequency 12kHz (hold 3s)
		185-189	LED Frequency 25kHz (hold 3s)
		190-194	No function
		195-199	RAW (Hold 3s)
		200-204	User Calibration (Hold 3s)
		205-209	Factory Reset (hold 3s) - except User Reset defaults
210-214	User Reset (hold 3s)		
215-255	No function		

23 CH DIRECT MODE (RAW)

Ch.	Function	Value	Setting
1	Dimmer Center	000-255	0 - 100%
2	Dimmer Fine	000-255	0 - 100%
3	Shutter Center	000 - 019	No function
		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		

	Shutter Center	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 (Center)	000-255	0 - 100%	
5	Red Fine (Center)	000-255	0 - 100%	
6	Green (Center)	000-255	0 - 100%	
7	Green Fine (Center)	000-255	0 - 100%	
8	Blue (Center)	000-255	0 - 100%	
9	Blue Fine (Center)	000-255	0 - 100%	
10	Lime (Center)	000-255	0 - 100%	
11	Lime Fine (Center)	000-255	0 - 100%	
12	CTC Center (affects RGB)	000 - 004	RAW	according to CTC chart
		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)	
13	Color Macro Center (override RGB/CTC)		Please use color macros from ROXX® color macro chart	
14	Color Macro Crossfade Center (Transition Time between Color Macros)	000 - 005	No function	
		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)	
15	Dimmer Halo	000-255	0 - 100%	
16	Shutter Halo	000 - 019	No function	
		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			

16	Shutter Halo	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	
17	Red (Halo)	000-255	0 - 100%	
18	Green (Halo)	000-255	0 - 100%	
19	Blue (Halo)	000-255	0 - 100%	
20	CTC Halo (affects RGB)	000 - 004	RAW	according to CTC chart
		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	Color Macro Halo (override RGB/CTC)		Please use color macros from ROXX® color macro chart	
22	Color Macro Crossfade Halo (Transition Time between Color Macros)	000 - 005	No function	
		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)	
23	Device Settings (please see remark *1)	000-029	No function	
		030-034	Battery Runtime Off (hold 3s)	
		035-039	Battery Runtime 8 hours (hold 3s)	
		040-044	Battery Runtime 12 hours (hold 3s)	
		045-049	Battery Runtime 16 hours (hold 3s)	
		050-054	Battery Runtime 20 hours (hold 3s)	
		055-059	Battery Runtime 24 hours (hold 3s)	
		060-064	No function	
		065-069	Display Backlight On (hold 3s)	
		070-074	Display Backlight Off (hold 3s)	
		075-079	No function	
		080-084	DMX Fail - Blackout (hold 3s)	
		085-089	DMX Fail - Hold (hold 3s)	
		090-094	DMX Fail - Emergency Light (hold 3s)	
		095-099	No function	
		100-104	AC Fail - Hold (hold 3s)	
		105-109	AC Fail - Blackout (hold 3s)	
		110-114	AC Fail - Emergency Light (hold 3s)	
		115-119	No function	
		120-124	Linear Dimmer Curve (hold 3s)	
125-129	Exponential Dimmer Curve (hold 3s)			
130-134	Logarithmic Dimmer Curve (hold 3s)			

23	Device Settings (please see remark *1)	135-139	S-Curve Dimmer Curve (hold 3s)
		140-144	No function
		145-149	Dimmer Response LED (Hold 1,5s)
		150-154	Dimmer Response Halogen (Hold 1,5s)
		155-159	No function
		160-164	LED Frequency 800Hz (hold 3s)
		165-169	LED Frequency 1200Hz (hold 3s)
		170-174	LED Frequency 2000Hz (hold 3s)
		175-179	LED Frequency 3600Hz (hold 3s)
		180-184	LED Frequency 12kHz (hold 3s)
		185-189	LED Frequency 25kHz (hold 3s)
		190-194	No function
		195-199	RAW (Hold 3s)
		200-204	User Calibration (Hold 3s)
		205-209	Factory Reset (hold 3s) - except User Reset defaults
		210-214	User Reset (hold 3s)
215-255	No function		

29 CH PATTERN MODE (RAW)

Ch.	Function	Value	Setting
1	Dimmer Center	000-255	0 - 100%
2	Shutter Center	000 - 019	No function
		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 Center	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 Center	000-255	0 - 100%	
4	Green Center	000-255	0 - 100%	
5	Blue Center	000-255	0 - 100%	
6	Lime Center	000-255	0 - 100%	
7	CTC Center (affects RGB)	000 - 004	RAW	according to CTC chart
		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)	
8	Color Macro Center (override RGB/CTC)		Please use color macros from ROXX® color macro chart	
9	Color Macro Crossfade Center (Transition Time between Color Macros)	000 - 005	No function	
		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	Dimmer Halo	000-255	0 - 100%	
11	Shutter Halo	000 - 019	No function	
		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			

11	Shutter Halo	210 - 224	Strobe 9: sine wave (fast @ slow)	
		225 - 229	Shutter open	
		230 - 244	Strobe 10: burst (fast @ slow)	
		245 - 255	Shutter open	
12	Red Halo	000-255	0 - 100%	
13	Green Halo	000-255	0 - 100%	
14	Blue Halo	000-255	0 - 100%	
15	CTC Halo (affects RGB)	000 - 004	RAW	according to CTC chart
		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	Color Macro Halo (override RGB/CTC)		Please use color macros from ROXX® color macro chart	
17	Color Macro Crossfade Halo (Transition Time between Color Macros)	000 - 005	No function	
		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)	
18	Effect Pattern Halo (colors are still selectable by channel 12-16)	000 - 005	No Effect Pattern	
		006-017	Effect Pattern 1	
		018-29	Effect Pattern 2	
		030-041	Effect Pattern 3	
		042-054	Effect Pattern 4	
		055-067	Effect Pattern 5	
		068-079	Effect Pattern 6	
		080-091	Effect Pattern 7	
		092-103	Effect Pattern 8	
		104-115	Effect Pattern 9	
		116-127	Effect Pattern 10	
		128-139	Effect Pattern 11	
		140-151	Effect Pattern 12	
		152-163	Effect Pattern 13	
		164-175	Effect Pattern 14	
		176-187	Effect Pattern 15	
		188-199	Effect Pattern 16	
		200-211	Effect Pattern 17	
		212-223	Effect Pattern 18	
		224-235	Effect Pattern 19	
236-255	Effect Pattern 20			

19	Effect Pattern Speed	000 - 005	Effect Speed - Pattern stops
		006-125	Efect Speed Clockwise - fast ⊕ slow
		126-127	Effect Speed - Pattern stops
		128-255	Efect Speed Counter Clockwise slow ⊕ fast
20	Effect Pattern Transition (Transition between Effect Patterns)	000 - 255	0s - 5s
21	Dimmer Backlight Halo	000-255	0 - 100%
22	Shutter Backlight Halo	000 - 019	No function
		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
22	Shutter Backlight Halo	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
23	Red Backlight Halo	000-255	0 - 100%
24	Green Backlight Halo	000-255	0 - 100%
25	Blue Backlight Halo	000-255	0 - 100%
26	CTC Backlight Halo (affects RGB)	000 - 004	RAW
		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)
			according to CTC chart
27	Color Macro Backlight Halo (override RGB)		Please use color macros from ROXX® color macro chart

28	Color Macro Crossfade Backlight Halo (Transition Time between Color Macros)	000 - 005	No function
		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	Device Settings (please see remark *1)	000-029	No function
		030-034	Battery Runtime Off (hold 3s)
		035-039	Battery Runtime 8 hours (hold 3s)
		040-044	Battery Runtime 12 hours (hold 3s)
		045-049	Battery Runtime 16 hours (hold 3s)
		050-054	Battery Runtime 20 hours (hold 3s)
		055-059	Battery Runtime 24 hours (hold 3s)
		060-064	No function
		065-069	Display Backlight On (hold 3s)
		070-074	Display Backlight Off (hold 3s)
		075-079	No function
		080-084	DMX Fail - Blackout (hold 3s)
		085-089	DMX Fail - Hold (hold 3s)
		090-094	DMX Fail - Emergency Light (hold 3s)
		095-099	No function
		100-104	AC Fail - Hold (hold 3s)
		105-109	AC Fail - Blackout (hold 3s)
		110-114	AC Fail - Emergency Light (hold 3s)
		115-119	No function
		120-124	Linear Dimmer Curve (hold 3s)
		125-129	Exponential Dimmer Curve (hold 3s)
		130-134	Logarithmic Dimmer Curve (hold 3s)
		135-139	S-Curve Dimmer Curve (hold 3s)
		140-144	No function
		145-149	Dimmer Response LED (Hold 1,5s)
		150-154	Dimmer Response Halogen (Hold 1,5s)
		155-159	No function
		160-164	LED Frequency 800Hz (hold 3s)
		165-169	LED Frequency 1200Hz (hold 3s)
		170-174	LED Frequency 2000Hz (hold 3s)
175-179	LED Frequency 3600Hz (hold 3s)		
180-184	LED Frequency 12kHz (hold 3s)		
185-189	LED Frequency 25kHz (hold 3s)		
190-194	No function		

29	Device Settings (please see	195-199	RAW (Hold 3s)
		remark *1)	User Calibration (Hold 3s)
		205-209	Factory Reset (hold 3s) - except User Reset defaults
		210-214	User Reset (hold 3s)
		215-255	No function
remark *1		After the adjustments have been made, set the value to 000 to avoid disturbance by endless function call.	

