

DMX Channel Selection (DMX Protocol)

1.1 Normal Mode (norm) 110 DMX Channels:

Note: We suggest to patch the Atom PSU as one 2 channel fixture and each connected Atom head as one 9 channel fixture.

Channel	Function	Time and Value	%	DMX
PSU / Master Control				
1	Master Intensity	Intensity of all connected Atom heads	0 - 100%	0..100 0..255
2	Special <i>for all fixtures</i>	No function		0..19 0..50
		Activate silent mode	> 1 sec	20..25 51..64
		No function		26..39 65..99
		Change PWM Frequency (582hz - 618hz)	> 1 sec	40..78 100..200
		Control all (copy output 1 to all outputs)	> 0.5 sec	79..97 201..247
		Reset all fixtures	> 0.5 sec	98..100 248..254
Output 1				
3	Intensity	Intensity	0 - 100%	0..100 0..255
4	Shutter	Shutter closed		0..5 0..15
		Random strobe	random / slow - fast	6..18 16..47
		Ramp up	random / slow - fast	19..31 48..79
		Ramp down	random / slow - fast	32..43 80..111
		Pulse	random / slow - fast	44..62 112..143
		Strobe with b/o pause	random / slow - fast	63..77 144..199
		Strobe - Slow to Fast	random / slow - fast	78..98 200..239
		Shutter Open		95..100 239..255
5	Color (fixed)	Colors adjustable via RGB		0..2 0..7
		Color 01 - Red ¹⁾		3..5 8..15
		Color 02 - Amber ¹⁾		6..8 16..23
		Color 03 - Warm Yellow ¹⁾		9..12 24..31
		Color 04 - Yellow ¹⁾		13..15 32..39
		Color 05 - Green ¹⁾		16..18 40..47
		Color 06 - Turquoise ¹⁾		19..21 48..55
		Color 07 - Cyan ¹⁾		22..24 56..63
		Color 08 - Blue ¹⁾		25..27 64..71

	Color 09 - Lavender ¹⁾		28..30	72..79
	Color 10 - Malve ¹⁾		31..34	80..87
	Color 11 - Magenta ¹⁾		35..37	88..95
	Color 12 - Pink ¹⁾		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop ²⁾		50	128
	Rainbow Effect ³⁾	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
6 Red	Color mixing system - Red	0 - 100%	0..100	0..255
7 Green	Color mixing system - Green	0 - 100%	0..100	0..255
8 Blue	Color mixing system - Blue	0 - 100%	0..100	0..255
9 White	Color mixing system - White	0 - 100%	0..100	0..255
10 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
11 CTO	No function	Applicable for	0..3	0..7
	Variable CTO (10,000K - 2,700K)	all colors	4..100	8..255
Output 2				
12 Intensity	Intensity	0 - 100%	0..100	0..255
13 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
14 Color (fixed)	Colors adjustable via RGB		0..2	0..7
	Color 01 - Red ¹⁾		3..5	8..15
	Color 02 - Amber ¹⁾		6..8	16..23
	Color 03 - Warm Yellow ¹⁾		9..12	24..31
	Color 04 - Yellow ¹⁾		13..15	32..39
	Color 05 - Green ¹⁾		16..18	40..47
	Color 06 - Turquoise ¹⁾		19..21	48..55
	Color 07 - Cyan ¹⁾		22..24	56..63
	Color 08 - Blue ¹⁾		25..27	64..71
	Color 09 - Lavender ¹⁾		28..30	72..79
	Color 10 - Malve ¹⁾		31..34	80..87
	Color 11 - Magenta ¹⁾		35..37	88..95

	Color 12 - Pink ¹⁾		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop ²⁾		50	128
	Rainbow Effect ³⁾	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
15 Red	Color mixing system - Red	0 - 100%	0..100	0..255
16 Green	Color mixing system - Green	0 - 100%	0..100	0..255
17 Blue	Color mixing system - Blue	0 - 100%	0..100	0..255
18 White	Color mixing system - White	0 - 100%	0..100	0..255
19 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
20 CTO	No function	Applicable for all colors	0..3	0..7
	Variable CTO (10,000K - 2,700K)		4..100	8..255

Output 3				
21 Intensity	Intensity	0 - 100%	0..100	0..255
22 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
23 Color (fixed)	Colors adjustable via RGB		0..2	0..7
	Color 01 - Red ¹⁾		3..5	8..15
	Color 02 - Amber ¹⁾		6..8	16..23
	Color 03 - Warm Yellow ¹⁾		9..12	24..31
	Color 04 - Yellow ¹⁾		13..15	32..39
	Color 05 - Green ¹⁾		16..18	40..47
	Color 06 - Turquoise ¹⁾		19..21	48..55
	Color 07 - Cyan ¹⁾		22..24	56..63
	Color 08 - Blue ¹⁾		25..27	64..71
	Color 09 - Lavender ¹⁾		28..30	72..79
	Color 10 - Malve ¹⁾		31..34	80..87
	Color 11 - Magenta ¹⁾		35..37	88..95
	Color 12 - Pink ¹⁾		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
Rainbow Effect Stop ²⁾		50	128	
Rainbow Effect ³⁾	slow - fast	51..88	129..223	
Random colors	slow - fast	89..100	224..255	
24 Red	Color mixing system - Red	0 - 100%	0..100	0..255

25 Green	Color mixing system - Green	0 - 100%	0..100	0..255
26 Blue	Color mixing system - Blue	0 - 100%	0..100	0..255
27 White	Color mixing system - White	0 - 100%	0..100	0..255
28 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
29 CTO	No function Variable CTO (10,000K - 2,700K)	Applicable for all colors	0.3 4..100	0.7 8..255
Output 4				
30 Intensity	Intensity	0 - 100%	0..100	0..255
31 Shutter	Shutter closed		0.5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
32 Color (fixed)	Colors adjustable via RGB		0.2	0.7
	Color 01 - Red ¹⁾		3.5	8..15
	Color 02 - Amber ¹⁾		6.8	16..23
	Color 03 - Warm Yellow ¹⁾		9..12	24..31
	Color 04 - Yellow ¹⁾		13..15	32..39
	Color 05 - Green ¹⁾		16..18	40..47
	Color 06 - Turquoise ¹⁾		19..21	48..55
	Color 07 - Cyan ¹⁾		22..24	56..63
	Color 08 - Blue ¹⁾		25..27	64..71
	Color 09 - Lavender ¹⁾		28..30	72..79
	Color 10 - Malve ¹⁾		31..34	80..87
	Color 11 - Magenta ¹⁾		35..37	88..95
Color 12 - Pink ¹⁾		38..40	96..103	
White - CTO	3200K	41..43	104..111	
White	5600K	44..46	112..119	
White - CTB	7200K	47..49	120..127	
Rainbow Effect Stop ²⁾		50	128	
Rainbow Effect ³⁾	slow - fast	51..88	129..223	
Random colors	slow - fast	89..100	224..255	
33 Red	Color mixing system - Red	0 - 100%	0..100	0..255
34 Green	Color mixing system - Green	0 - 100%	0..100	0..255
35 Blue	Color mixing system - Blue	0 - 100%	0..100	0..255
36 White	Color mixing system - White	0 - 100%	0..100	0..255
37 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
38 CTO	No function Variable CTO (10,000K - 2,700K)	Applicable for all colors	0.3 4..100	0.7 8..255
Output 5				
39 Intensity	Intensity	0 - 100%	0..100	0..255
40 Shutter	Shutter closed		0.5	0..15
	Random strobe	random / slow - fast	6..18	16..47

	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
41 Color (fixed)	Colors adjustable via RGB		0..2	0..7
	Color 01 - Red ¹⁾		3..5	8..15
	Color 02 - Amber ¹⁾		6..8	16..23
	Color 03 - Warm Yellow ¹⁾		9..12	24..31
	Color 04 - Yellow ¹⁾		13..15	32..39
	Color 05 - Green ¹⁾		16..18	40..47
	Color 06 - Turquoise ¹⁾		19..21	48..55
	Color 07 - Cyan ¹⁾		22..24	56..63
	Color 08 - Blue ¹⁾		25..27	64..71
	Color 09 - Lavender ¹⁾		28..30	72..79
	Color 10 - Malve ¹⁾		31..34	80..87
	Color 11 - Magenta ¹⁾		35..37	88..95
	Color 12 - Pink ¹⁾		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop ²⁾		50	128
	Rainbow Effect ³⁾	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
41 Red	Color mixing system - Red	0 - 100%	0..100	0..255
43 Green	Color mixing system - Green	0 - 100%	0..100	0..255
44 Blue	Color mixing system - Blue	0 - 100%	0..100	0..255
45 White	Color mixing system - White	0 - 100%	0..100	0..255
46 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
47 CTO	No function Variable CTO (10,000K - 2,700K)	Applicable for all colors	0..3 4..100	0..7 8..255
Output 6				
48 Intensity	Intensity	0 - 100%	0..100	0..255
49 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
50 Color (fixed)	Colors adjustable via RGB		0..2	0..7
	Color 01 - Red ¹⁾		3..5	8..15
	Color 02 - Amber ¹⁾		6..8	16..23

	Color 03 - Warm Yellow ¹⁾		9..12	24..31
	Color 04 - Yellow ¹⁾		13..15	32..39
	Color 05 - Green ¹⁾		16..18	40..47
	Color 06 - Turquoise ¹⁾		19..21	48..55
	Color 07 - Cyan ¹⁾		22..24	56..63
	Color 08 - Blue ¹⁾		25..27	64..71
	Color 09 - Lavender ¹⁾		28..30	72..79
	Color 10 - Malve ¹⁾		31..34	80..87
	Color 11 - Magenta ¹⁾		35..37	88..95
	Color 12 - Pink ¹⁾		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop ²⁾		50	128
	Rainbow Effect ³⁾	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
51 Red	Color mixing system - Red	0 - 100%	0..100	0..255
52 Green	Color mixing system - Green	0 - 100%	0..100	0..255
53 Blue	Color mixing system - Blue	0 - 100%	0..100	0..255
54 White	Color mixing system - White	0 - 100%	0..100	0..255
55 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
56 CTO	No function Variable CTO (10,000K - 2,700K)	Applicable for all colors	0.3 4..100	0.7 8..255
Output 7				
57 Intensity	Intensity	0 - 100%	0..100	0..255
58 Shutter	Shutter closed		0.5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
59 Color (fixed)	Colors adjustable via RGB		0.2	0.7
	Color 01 - Red ¹⁾		3..5	8..15
	Color 02 - Amber ¹⁾		6..8	16..23
	Color 03 - Warm Yellow ¹⁾		9..12	24..31
	Color 04 - Yellow ¹⁾		13..15	32..39
	Color 05 - Green ¹⁾		16..18	40..47
	Color 06 - Turquoise ¹⁾		19..21	48..55
	Color 07 - Cyan ¹⁾		22..24	56..63
	Color 08 - Blue ¹⁾		25..27	64..71
	Color 09 - Lavender ¹⁾		28..30	72..79
	Color 10 - Malve ¹⁾		31..34	80..87
	Color 11 - Magenta ¹⁾		35..37	88..95
	Color 12 - Pink ¹⁾		38..40	96..103
	White - CTO	3200K	41..43	104..111

	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop 2)		50	128
	Rainbow Effect 3)	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
60 Red	Color mixing system - Red	0 - 100%	0..100	0..255
61 Green	Color mixing system - Green	0 - 100%	0..100	0..255
62 Blue	Color mixing system - Blue	0 - 100%	0..100	0..255
63 White	Color mixing system - White	0 - 100%	0..100	0..255
64 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
65 CTO	No function Variable CTO (10,000K - 2,700K)	Applicable for all colors	0.3 4..100	0.7 8..255
Output 8				
66 Intensity	Intensity	0 - 100%	0..100	0..255
67 Shutter	Shutter closed		0.5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
68 Color (fixed)	Colors adjustable via RGB		0.2	0.7
	Color 01 - Red 1)		3.5	8..15
	Color 02 - Amber 1)		6.8	16..23
	Color 03 - Warm Yellow 1)		9..12	24..31
	Color 04 - Yellow 1)		13..15	32..39
	Color 05 - Green 1)		16..18	40..47
	Color 06 - Turquoise 1)		19..21	48..55
	Color 07 - Cyan 1)		22..24	56..63
	Color 08 - Blue 1)		25..27	64..71
	Color 09 - Lavender 1)		28..30	72..79
	Color 10 - Malve 1)		31..34	80..87
	Color 11 - Magenta 1)		35..37	88..95
	Color 12 - Pink 1)		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
Rainbow Effect Stop 2)		50	128	
Rainbow Effect 3)	slow - fast	51..88	129..223	
Random colors	slow - fast	89..100	224..255	
69 Red	Color mixing system - Red	0 - 100%	0..100	0..255
70 Green	Color mixing system - Green	0 - 100%	0..100	0..255
71 Blue	Color mixing system - Blue	0 - 100%	0..100	0..255
72 White	Color mixing system - White	0 - 100%	0..100	0..255

73 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255	
74 CTO	No function Variable CTO (10,000K - 2,700K)	Applicable for all colors	0..3 4..100	0..7 8..255	
Output 9					
75 Intensity	Intensity	0 - 100%	0..100	0..255	
76 Shutter	Shutter closed		0..5	0..15	
	Random strobe	random / slow - fast	6..18	16..47	
	Ramp up	random / slow - fast	19..31	48..79	
	Ramp down	random / slow - fast	32..43	80..111	
	Pulse	random / slow - fast	44..62	112..143	
	Strobe with b/o pause	random / slow - fast	63..77	144..199	
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239	
	Shutter Open		95..100	239..255	
77 Color (fixed)	Colors adjustable via RGB		0..2	0..7	
	Color 01 - Red ¹⁾		3..5	8..15	
	Color 02 - Amber ¹⁾		6..8	16..23	
	Color 03 - Warm Yellow ¹⁾		9..12	24..31	
	Color 04 - Yellow ¹⁾		13..15	32..39	
	Color 05 - Green ¹⁾		16..18	40..47	
	Color 06 - Turquoise ¹⁾		19..21	48..55	
	Color 07 - Cyan ¹⁾		22..24	56..63	
	Color 08 - Blue ¹⁾		25..27	64..71	
	Color 09 - Lavender ¹⁾		28..30	72..79	
	Color 10 - Malve ¹⁾		31..34	80..87	
	Color 11 - Magenta ¹⁾		35..37	88..95	
	Color 12 - Pink ¹⁾		38..40	96..103	
	White - CTO	3200K		41..43	104..111
	White	5600K		44..46	112..119
	White - CTB	7200K		47..49	120..127
Rainbow Effect Stop ²⁾			50	128	
Rainbow Effect ³⁾	slow - fast		51..88	129..223	
Random colors	slow - fast		89..100	224..255	
78 Red	Color mixing system - Red	0 - 100%	0..100	0..255	
79 Green	Color mixing system - Green	0 - 100%	0..100	0..255	
80 Blue	Color mixing system - Blue	0 - 100%	0..100	0..255	
81 White	Color mixing system - White	0 - 100%	0..100	0..255	
82 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255	
83 CTO	No function Variable CTO (10,000K - 2,700K)	Applicable for all colors	0..3 4..100	0..7 8..255	
Output 10					
84 Intensity	Intensity	0 - 100%	0..100	0..255	
85 Shutter	Shutter closed		0..5	0..15	
	Random strobe	random / slow - fast	6..18	16..47	
	Ramp up	random / slow - fast	19..31	48..79	
	Ramp down	random / slow - fast	32..43	80..111	
	Pulse	random / slow - fast	44..62	112..143	

	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
86 Color (fixed)	Colors adjustable via RGB		0..2	0..7
	Color 01 - Red ¹⁾		3..5	8..15
	Color 02 - Amber ¹⁾		6..8	16..23
	Color 03 - Warm Yellow ¹⁾		9..12	24..31
	Color 04 - Yellow ¹⁾		13..15	32..39
	Color 05 - Green ¹⁾		16..18	40..47
	Color 06 - Turquoise ¹⁾		19..21	48..55
	Color 07 - Cyan ¹⁾		22..24	56..63
	Color 08 - Blue ¹⁾		25..27	64..71
	Color 09 - Lavender ¹⁾		28..30	72..79
	Color 10 - Malve ¹⁾		31..34	80..87
	Color 11 - Magenta ¹⁾		35..37	88..95
	Color 12 - Pink ¹⁾		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop ²⁾		50	128
	Rainbow Effect ³⁾	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
87 Red	Color mixing system - Red	0 - 100%	0..100	0..255
88 Green	Color mixing system - Green	0 - 100%	0..100	0..255
89 Blue	Color mixing system - Blue	0 - 100%	0..100	0..255
90 White	Color mixing system - White	0 - 100%	0..100	0..255
91 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
92 CTO	No function	Applicable for	0..3	0..7
	Variable CTO (10,000K - 2,700K)	all colors	4..100	8..255
Output 11				
93 Intensity	Intensity	0 - 100%	0..100	0..255
94 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with blackout pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
95 Color (fixed)	Colors adjustable via RGB		0..2	0..7
	Color 01 - Red ¹⁾		3..5	8..15
	Color 02 - Amber ¹⁾		6..8	16..23
	Color 03 - Warm Yellow ¹⁾		9..12	24..31
	Color 04 - Yellow ¹⁾		13..15	32..39
	Color 05 - Green ¹⁾		16..18	40..47

	Color 06 - Turquoise ¹⁾		19..21	48..55
	Color 07 - Cyan ¹⁾		22..24	56..63
	Color 08 - Blue ¹⁾		25..27	64..71
	Color 09 - Lavender ¹⁾		28..30	72..79
	Color 10 - Malve ¹⁾		31..34	80..87
	Color 11 - Magenta ¹⁾		35..37	88..95
	Color 12 - Pink ¹⁾		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop ²⁾		50	128
	Rainbow Effect ³⁾	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
96 Red	Color mixing system - Red	0 - 100%	0..100	0..255
97 Green	Color mixing system - Green	0 - 100%	0..100	0..255
98 Blue	Color mixing system - Blue	0 - 100%	0..100	0..255
99 White	Color mixing system - White	0 - 100%	0..100	0..255
100 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
101 CTO	No function	Applicable for	0..3	0..7
	Variable CTO (10,000K - 2,700K)	all colors	4..100	8..255
Output 12				
102 Intensity	Intensity	0 - 100%	0..100	0..255
103 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
104 Color (fixed)	Colors adjustable via RGB		0..2	0..7
	Color 01 - Red ¹⁾		3..5	8..15
	Color 02 - Amber ¹⁾		6..8	16..23
	Color 03 - Warm Yellow ¹⁾		9..12	24..31
	Color 04 - Yellow ¹⁾		13..15	32..39
	Color 05 - Green ¹⁾		16..18	40..47
	Color 06 - Turquoise ¹⁾		19..21	48..55
	Color 07 - Cyan ¹⁾		22..24	56..63
	Color 08 - Blue ¹⁾		25..27	64..71
	Color 09 - Lavender ¹⁾		28..30	72..79
	Color 10 - Malve ¹⁾		31..34	80..87
	Color 11 - Magenta ¹⁾		35..37	88..95
	Color 12 - Pink ¹⁾		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop ²⁾		50	128
	Rainbow Effect ³⁾	slow - fast	51..88	129..223

	Random colors	slow - fast	89..100	224..255
105 Red	Color mixing system - Red	0 - 100%	0..100	0..255
106 Green	Color mixing system - Green	0 - 100%	0..100	0..255
107 Blue	Color mixing system - Blue	0 - 100%	0..100	0..255
108 White	Color mixing system - White	0 - 100%	0..100	0..255
109 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
110 CTO	No function Variable CTO (10,000K - 2,700K)	Applicable for all colors	0..3 4..100	0..7 8..255

1) The predefined colors can be used as start-colors for the Rainbow effect. Please select first a desired start-color before you activate the rainbow effect. All X4 Atom will then start from that color and will execute the rainbow effect synchronously. Different X4 Atom can have different start-colors but will still execute the rainbow effect synchronously. If you choose a color different from the ones marked with 1) in the tables above the rainbow start-color will be red.

2) Rainbow-effect Stop will pause this function. After resuming the rainbow-effect will be continued from the current color.

3) The Rainbow-effect will run synchronously only if started from one of the predefined colors (see also 1) before).