

DMX PROTOCOL

Q-8



3 Q-8 SEGMENTS

3 DMX MODES

- 3 10 Channel Strobe
- 5 12 Channel Simplified
- 7 17 Channel Simplified Studio
- 11 27 Channel extended (Default Mode)
- 15 34 Channel Standard
- 20 41 Channel Extended
- 25 52 Channel extended +
- 30 36 Channel Studio
- 35 12 Channel RGB Only

36 NOTES

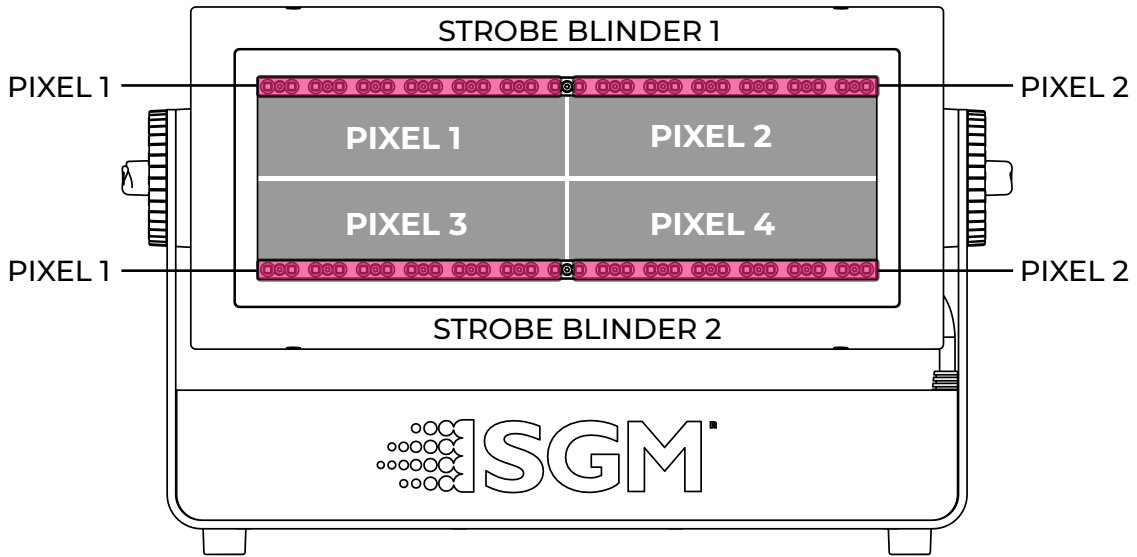
- 36 Note 1**
- 36 Note 2**
- 36 Note 3**
- 36 Note 4**
- 36 Note 5**
- 36 Note 6**

37 CTC CHART

38 COLOR FILTER EMULATION CHART

41 PIXEL CHART

Q-8 SEGMENTS



DMX MODES

10 CHANNEL STROBE

CHANNEL	NAME	DMX	DMX PERCENTAGE	DESCRIPTION	INFO		
1	Shutter	0	7	0,0%	2,7%	Closed	Snap
		8	15	3,1%	5,9%	Open	Snap
		16	151	6,3%	59,2%	Strobe	Fast → Slow
		152	175	59,6%	68,6%	Pulse Up	Slow → Fast
		176	199	69,0%	78,0%	Pulse Down	Slow → Fast
		200	244	78,4%	95,7%	Random	Slow → Fast
		245	255	96,1%	100,0%	Open	Snap
2	Intensity	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
3	CTC	0	0	0,0%	0,0%	5600K	See note 1
		1	4	0,4%	1,6%	Raw	
		5	255	2,0%	100,0%	2000K → 10000K	See CTC Chart
4	Red	0	255	0,0%	100,0%	0% → 100% Red	Fade
5	Green	0	255	0,0%	100,0%	0% → 100% Green	Fade

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
6	Blue	0	255	0,0%	100,0%	0% → 100% Blue	Fade
7	Intensity (Strobe Blinder 1+2)	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
8	Duration (Strobe Blinder 1+2)	0	255	0,0%	100,0%	Strobe duration	Short → Long
9	Rate (Strobe Blinder 1+2)	0	255	0,0%	100,0%	Strobe rate	Slow → Fast
10	Effect	0	5	0,0%	2,0%	No effect	Snap
		6	42	2,4%	16,5%	Halogen Attack	
		43	85	16,9%	33,3%	Halogen Decay	
		86	128	33,7%	50,2%	Halogen Attack and Decay	
		129	171	50,6%	67,1%	Random Pixel	
		172	214	67,5%	83,9%	Lightning	
		215	255	84,3%	100,0%	Spikes	

12 CHANNEL SIMPLIFIED

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
1	Intensity	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
2	Duration	0	255	0,0%	100,0%	Short → Long	Short → Long
3	Rate	0	255	0,0%	100,0%	Slow → Fast	Slow → Fast
4	Effect	0	5	0,0%	2,0%	No effect	Snap
		6	10	2,4%	3,9%	Flicker	
		11	15	4,3%	5,9%	Random Pixel	
		16	20	6,3%	7,8%	Random	
		21	25	8,2%	9,8%	Flicker Individual Color	
		26	30	10,2%	11,8%	Random Strobe Color	
		31	35	12,2%	13,7%	Random Spike Color	
		36	40	14,1%	15,7%	Random Spike Pixel	
		41	45	16,1%	17,6%	Pre-red	
		46	50	18,0%	19,6%	Pre-green	
		51	55	20,0%	21,6%	Pre-blue	
		56	60	22,0%	23,5%	RGB-flicker	
		61	65	23,9%	25,5%	Lightning	
		66	70	25,9%	27,5%	Circle RGB	
		71	75	27,8%	29,4%	Fire	
		76	80	29,8%	31,4%	Ice	
		81	85	31,8%	33,3%	Magenta-red-blue	
		86	90	33,7%	35,3%	Random color fade pixel	
		91	95	35,7%	37,3%	Circle CW	
		96	100	37,6%	39,2%	Circle CCW	
		101	255	39,6%	100,0%	Scroll Down	
		106	110	41,6%	43,1%	Scroll Up	
		111	115	43,5%	45,1%	Scroll Up Down	
		116	120	45,5%	47,1%	Effect Pixel 1-4	
121	136	47,5%	53,3%	Control Individual Pixels			
137	250	53,7%	98,0%	Reserved			
251	255	98,4%	100,0%	No Effect			

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
5	Red (Panel)	0	255	0,0%	100,0%	0% → 100% Red	Fade
6	Green (Panel)	0	255	0,0%	100,0%	0% → 100% Green	Fade
7	Blue (Panel)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
8	White (Panel)	0	255	0,0%	100,0%	0% → 100% White	Fade
9	Intensity (Strobe Blinder 1+2)	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
10	Duration (Strobe Blinder 1+2)	0	255	0,0%	100,0%	Short → Long	Short → Long
11	Rate (Strobe Blinder 1+2)	0	255	0,0%	100,0%	Slow → Fast	Slow → Fast
12	Effect (Strobe Blinder 1+2)	0	9	0,0%	3,5%	No effect	Snap
		10	19	3,9%	7,5%	Random Pixels	
		20	29	7,8%	11,4%	Strobe turn off Panel	
		30	39	11,8%	15,3%	Random Strobe	
		40	49	15,7%	19,2%	Random Strobe turn off Panel	
		50	59	19,6%	23,1%	Strobe Flicker	
		60	69	23,5%	27,1%	Strobe Lightning	
		70	79	27,5%	31,0%	Spikes	
		80	89	31,4%	34,9%	Random Blind	
		90	99	35,3%	38,8%	Halogen Decay	
		100	109	39,2%	42,7%	Halogen Attack and Decay	
		110	119	43,1%	46,7%	Halogen Attack	
		120	129	47,1%	50,6%	Random Pixel Pulse	
		130	139	51,0%	54,5%	Random Intensity Strobe	
		140	149	54,9%	58,4%	Square Pixels CCW	
		150	159	58,8%	62,4%	Square Pixels CW	
		160	169	62,7%	66,3%	Square Pixels CCW Decay	
		170	179	66,7%	70,2%	Square Pixels CW Decay	
		180	189	70,6%	74,1%	Square Pixels CCW Attack Decay	
		190	199	74,5%	78,0%	Square Pixels CW Attack Decay	
200	209	78,4%	82,0%	Square Pixels CCW Attack			
210	219	82,4%	85,9%	Square Pixels CW Attack			
220	235	86,3%	92,2%	Control Individual Pixels			
236	250	92,5%	98,0%	Reserved			
251	255	98,4%	100,0%	No Effect			

17 CHANNEL SIMPLIFIED STUDIO

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
1	Intensity	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
2	Duration	0	255	0,0%	100,0%	Short → Long	Short → Long
3	Rate	0	255	0,0%	100,0%	Slow → Fast	Slow → Fast
4	Effect	0	5	0,0%	2,0%	No effect	Snap
		6	10	2,4%	3,9%	Flicker	
		11	15	4,3%	5,9%	Random Pixel	
		16	20	6,3%	7,8%	Random	
		21	25	8,2%	9,8%	Flicker Individual Color	
		26	30	10,2%	11,8%	Random Strobe Color	
		31	35	12,2%	13,7%	Random Spike Color	
		36	40	14,1%	15,7%	Random Spike Pixel	
		41	45	16,1%	17,6%	Pre-red	
		46	50	18,0%	19,6%	Pre-green	
		51	55	20,0%	21,6%	Pre-blue	
		56	60	22,0%	23,5%	RGB-flicker	
		61	65	23,9%	25,5%	Lightning	
		66	70	25,9%	27,5%	Circle RGB	
		71	75	27,8%	29,4%	Fire	
		76	80	29,8%	31,4%	Ice	
		81	85	31,8%	33,3%	Magenta-red-blue	
		86	90	33,7%	35,3%	Random color fade pixel	
		91	95	35,7%	37,3%	Circle CW	
		96	100	37,6%	39,2%	Circle CCW	
		101	255	39,6%	100,0%	Scroll Down	
106	110	41,6%	43,1%	Scroll Up			
111	115	43,5%	45,1%	Scroll Up Down			
116	120	45,5%	47,1%	Effect Pixel 1-4			
121	136	47,5%	53,3%	Control Individual Pixels			
137	250	53,7%	98,0%	Reserved			
251	255	98,4%	100,0%	No Effect			

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
5	Macro	0	4	0,0%	1,6%	Open	
		5	9	2,0%	3,5%	Congo/color 1	
		10	14	3,9%	5,5%	Red/color 2	
		15	19	5,9%	7,5%	Green/color 3	
		20	24	7,8%	9,4%	Blue/color 4	
		25	29	9,8%	11,4%	Orange/color 5	
		30	34	11,8%	13,3%	Light green/color 6	
		35	39	13,7%	15,3%	Pink/color 7	
		40	44	15,7%	17,3%	Light blue/ color 8	
		45	49	17,6%	19,2%	Purple/color 9	
		50	54	19,6%	21,2%	Neon green/color 10	
		55	59	21,6%	23,1%	Magenta/color 11	
		60	64	23,5%	25,1%	Cyan/color 12	
		65	69	25,5%	27,1%	Yellow/color 13	
		70	74	27,5%	29,0%	CTC/color 14	
		75	79	29,4%	31,0%	Colors Scroll (CCW Fast → Slow)	Slow → Fast
		80	84	31,4%	32,9%	Colors Scroll (CW Slow → Fast)	Slow → Fast
		85	89	33,3%	34,9%	Random color	
		90	180	35,3%	70,6%	Color filter emulation	See color filter chart
		181	199	71,0%	78,0%	Minus green	
		200	200	78,4%	78,4%	Neutral	
		201	219	78,8%	85,9%	Plus green	
		220	224	86,3%	87,8%	DualSource™ Macro 1	
		225	229	88,2%	89,8%	DualSource™ Macro 2	
		230	234	90,2%	91,8%	DualSource™ Macro 3	
235	239	92,2%	93,7%	DualSource™ Macro 4			
240	244	94,1%	95,7%	DualSource™ Macro 5			
245	249	96,1%	97,6%	DualSource™ Macro 6			
250	254	98,0%	99,6%	DualSource™ Macro 7			
255	255	100,0%	100,0%	Open			
6	CTC	0	0	0,0%	0,0%	5600K	See note 1
		1	4	0,4%	1,6%	Raw	
		5	255	2,0%	100,0%	2000K → 10000K	See CTC chart

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
7	Color path	0	127	0,0%	49,8%	SGM Standard	
		128	255	50,2%	100,0%	SGM VersaPath™	See note 5
8	Red (Panel)	0	255	0,0%	100,0%	0% → 100% Red	Fade
9	Green (Panel)	0	255	0,0%	100,0%	0% → 100% Green	Fade
10	Blue (Panel)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
11	Frequency	0	4	0,0%	1,6%	Default	Snap
		5	255	2,0%	100,0%	Min → Max	Min → Max
12	Dimming Curve	0	4	0,0%	1,6%	Smooth Gamma Corrected	Snap See note 4
		5	9	2,0%	3,5%	Smooth Linear	
		10	14	3,9%	5,5%	Halogen Gamma Corrected	
		15	19	5,9%	7,5%	Halogen Linear	
		20	24	7,8%	9,4%	Fast Response Gamma Corrected	
		25	29	9,8%	11,4%	Fast Response Linear	
		30	34	11,8%	13,3%	Extended Range - Smooth Gamma Corrected	
		35	39	13,7%	15,3%	Extended Range - Smooth Linear	
		40	44	15,7%	17,3%	Extended Range - Halogen Gamma Corrected	
		45	49	17,6%	19,2%	Extended Range - Halogen Linear	
		50	54	19,6%	21,2%	Extended Range - Fast Response Gamma Corrected	
		55	59	21,6%	23,1%	Extended Range - Fast Response Linear	
60	255	23,5%	100,0%	Reserved			
13	Intensity (Strobe Blinder 1+2)	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
14	Duration (Strobe Blinder 1+2)	0	255	0,0%	100,0%	Short → Long	Short → Long
15	Rate (Strobe Blinder 1+2)	0	255	0,0%	100,0%	Slow → Fast	Slow → Fast

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
16	Effect (Strobe Blinder 1+2)	0	9	0,0%	3,5%	No effect	Snap
		10	19	3,9%	7,5%	Random Pixels	
		20	29	7,8%	11,4%	Strobe turn off Panel	
		30	39	11,8%	15,3%	Random Strobe	
		40	49	15,7%	19,2%	Random Strobe turn off Panel	
		50	59	19,6%	23,1%	Strobe Flicker	
		60	69	23,5%	27,1%	Strobe Lightning	
		70	79	27,5%	31,0%	Spikes	
		80	89	31,4%	34,9%	Random Blind	
		90	99	35,3%	38,8%	Halogen Decay	
		100	109	39,2%	42,7%	Halogen Attack and Decay	
		110	119	43,1%	46,7%	Halogen Attack	
		120	129	47,1%	50,6%	Random Pixel Pulse	
		130	139	51,0%	54,5%	Random Intensity Strobe	
		140	149	54,9%	58,4%	Square Pixels CCW	
		150	159	58,8%	62,4%	Square Pixels CW	
		160	169	62,7%	66,3%	Square Pixels CCW Decay	
		170	179	66,7%	70,2%	Square Pixels CW Decay	
		180	189	70,6%	74,1%	Square Pixels CCW Attack Decay	
		190	199	74,5%	78,0%	Square Pixels CW Attack Decay	
		200	209	78,4%	82,0%	Square Pixels CCW Attack	
210	219	82,4%	85,9%	Square Pixels CW Attack			
220	235	86,3%	92,2%	Control Individual Pixels			
236	250	92,5%	98,0%	Reserved			
251	255	98,4%	100,0%	No Effect			
17	Fan Control	0	4	0,0%	1,6%	Default (Auto)	Snap
		5	255	2,0%	100,0%	Min → Max	Min → Max

27 CHANNEL EXTENDED (DEFAULT MODE)

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
1	Intensity (Panel)	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
2	Duration (Panel)	0	255	0,0%	100,0%	Strobe duration	Short → Long
3	Rate (Panel)	0	255	0,0%	100,0%	Strobe rate	Slow → Fast
4	Effect (Panel)	0	5	0,0%	2,0%	No effect	Snap
		6	10	2,4%	3,9%	Flicker	
		11	15	4,3%	5,9%	Random Pixel	
		16	20	6,3%	7,8%	Random	
		21	25	8,2%	9,8%	Flicker Individual Color	
		26	30	10,2%	11,8%	Random Strobe Color	
		31	35	12,2%	13,7%	Random Spike Color	
		36	40	14,1%	15,7%	Random Spike Pixel	
		41	45	16,1%	17,6%	Pre-red	
		46	50	18,0%	19,6%	Pre-green	
		51	55	20,0%	21,6%	Pre-blue	
		56	60	22,0%	23,5%	RGB-flicker	
		61	65	23,9%	25,5%	Lightning	
		66	70	25,9%	27,5%	Circle RGB	
		71	75	27,8%	29,4%	Fire	
		76	80	29,8%	31,4%	Ice	
		81	85	31,8%	33,3%	Magenta-red-blue	
		86	90	33,7%	35,3%	Random color fade pixel	
		91	95	35,7%	37,3%	Circle CW	
		96	100	37,6%	39,2%	Circle CCW	
		101	255	39,6%	100,0%	Scroll Down	
		106	110	41,6%	43,1%	Scroll Up	
		111	115	43,5%	45,1%	Scroll Up Down	
		116	120	45,5%	47,1%	Effect Pixel 1 → 4	
121	136	47,5%	53,3%	Control Individual Pixels			
121	250	47,5%	98,0%	Reserved			
251	255	98,4%	100,0%	No Effect			

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
5	Macro	0	4	0,0%	1,6%	Open	
		5	9	2,0%	3,5%	Congo/color 1	
		10	14	3,9%	5,5%	Red/color 2	
		15	19	5,9%	7,5%	Green/color 3	
		20	24	7,8%	9,4%	Blue/color 4	
		25	29	9,8%	11,4%	Orange/color 5	
		30	34	11,8%	13,3%	Light green/color 6	
		35	39	13,7%	15,3%	Pink/color 7	
		40	44	15,7%	17,3%	Light blue/ color 8	
		45	49	17,6%	19,2%	Purple/color 9	
		50	54	19,6%	21,2%	Neon green/color 10	
		55	59	21,6%	23,1%	Magenta/color 11	
		60	64	23,5%	25,1%	Cyan/color 12	
		65	69	25,5%	27,1%	Yellow/color 13	
		70	74	27,5%	29,0%	CTC/color 14	
		75	79	29,4%	31,0%	Scroll (CCW)	Slow → Fast
		80	84	31,4%	32,9%	Scroll (CW)	Slow → Fast
		85	89	33,3%	34,9%	Random color	
		90	180	35,3%	70,6%	Color filter emulation	See color filter chart
		181	199	71,0%	78,0%	Minus Green	
		200	200	78,4%	78,4%	Neutral	
		201	219	78,8%	85,9%	Plus Green	
		220	224	86,3	87,8%	DualSource™ Macro 1	Slow → Fast See note 6
		225	229	88,2%	89,8%	DualSource™ Macro 2	
		230	234	90,2%	91,8%	DualSource™ Macro 3	
235	239	92,2%	93,7%	DualSource™ Macro 4			
240	244	94,1%	95,7%	DualSource™ Macro 5			
245	249	96,1%	97,6%	DualSource™ Macro 6			
250	254	98,0%	99,6%	DualSource™ Macro 7			
255	255	100,0%	100,0%	Open			
6	CTC	0	0	0,0%	0,0%	5600K	See note 1
		1	4	0,4%	1,6%	Raw	
		5	255	2,0%	100,0%	2000K → 10000K	See CTC chart

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
7	Color path	0	127	0,0%	49,8%	SGM Standard	Note 4
		128	255	50,2%	100,0%	SGM VersaPath™	
8	Red (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Red	See note 2
9	Green Strobe (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Green	
10	Blue Strobe (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Blue	
11	Red (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Red	Fade
12	Green Strobe (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Green	Fade
13	Blue Strobe (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
14	Red (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Red	Fade
15	Green Strobe (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Green	Fade
16	Blue Strobe (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
17	Red (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Red	Fade
18	Green Strobe (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Green	Fade
19	Blue Strobe (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
20	Intensity (Strobe Blinder 1+2)	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
21	Duration (Strobe Blinder 1+2)	0	255	0,0%	100,0%	Short → Long	Short → Long
22	Rate (Strobe Blinder 1+2)	0	255	0,0%	100,0%	Slow → Fast	Slow → Fast
23	Effect (Strobe Blinder 1+2)	0	9	0,0%	3,5%	No effect	Snap
		10	19	3,9%	7,5%	Random Pixels	
		20	29	7,8%	11,4%	Strobe turn off Panel	
		30	39	11,8%	15,3%	Random Strobe	
		40	49	15,7%	19,2%	Random Strobe turn off Panel	
		50	59	19,6%	23,1%	Strobe Flicker	
		60	69	23,5%	27,1%	Strobe Lightning	
		70	79	27,5%	31,0%	Spikes	
		80	89	31,4%	34,9%	Random Blind	
		90	99	35,3%	38,8%	Halogen Decay	
		100	109	39,2%	42,7%	Halogen Attack and Decay	
		110	119	43,1%	46,7%	Halogen Attack	

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
23	Effect (Strobe Blinder 1+2)	120	129	47,1%	50,6%	Random Pixel Pulse	Snap
		130	139	51,0%	54,5%	Random Intensity Strobe	
		140	149	54,9%	58,4%	Square Pixels CCW	
		150	159	58,8%	62,4%	Square Pixels CW	
		160	169	62,7%	66,3%	Square Pixels CCW Decay	
		170	179	66,7%	70,2%	Square Pixels CW Decay	
		180	189	70,6%	74,1%	Square Pixels CCW Attack Decay	
		190	199	74,5%	78,0%	Square Pixels CW Attack Decay	
		200	209	78,4%	82,0%	Square Pixels CCW Attack	
		210	219	82,4%	85,9%	Square Pixels CW Attack	
		220	235	86,3%	92,2%	Control Individual Pixels	
		236	250	92,5%	98,0%	Reserved	
		251	255	98,4%	100,0%	No Effect	
24	Strobe Blinder 1 Pixel 1	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
25	Strobe Blinder 1 Pixel 2	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
26	Strobe Blinder 2 Pixel 1	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
27	Strobe Blinder 2 Pixel 2	0	255	0,0%	100,0%	0% → 100% Intensity	Fade

34 CHANNEL STANDARD

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
1	Intensity (Panel)	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
2	Duration (Panel)	0	255	0,0%	100,0%	Strobe duration	Short → Long
3	Rate (Panel)	0	255	0,0%	100,0%	Strobe rate	Slow → Fast
4	Effect (Panel)	0	5	0,0%	2,0%	No effect	Snap
		6	10	2,4%	3,9%	Flicker	
		11	15	4,3%	5,9%	Random Pixel	
		16	20	6,3%	7,8%	Random	
		21	25	8,2%	9,8%	Flicker Individual Color	
		26	30	10,2%	11,8%	Random Strobe Color	
		31	35	12,2%	13,7%	Random Spike Color	
		36	40	14,1%	15,7%	Random Spike Pixel	
		41	45	16,1%	17,6%	Pre-red	
		46	50	18,0%	19,6%	Pre-green	
		51	55	20,0%	21,6%	Pre-blue	
		56	60	22,0%	23,5%	RGB-flicker	
		61	65	23,9%	25,5%	Circle RGB	
		66	70	25,9%	27,5%	Roll effect RGB	
		71	75	27,8%	29,4%	Fire	
		76	80	29,8%	31,4%	Ice	
		81	85	31,8%	33,3%	Magenta-red-blue	
		86	90	33,7%	35,3%	Random color fade pixel	
		91	95	35,7%	37,3%	Circle CW	
		96	100	37,6%	39,2%	Circle CCW	
		101	255	39,6%	100,0%	Scroll Down	
106	110	41,6%	43,1%	Scroll Up			
111	115	43,5%	45,1%	Scroll Up Down			
116	120	45,5%	47,1%	Effect Pixel 1 → 4			
121	136	47,5%	53,3%	Control Individual Pixels			
137	250	53,7%	98,0%	Reserved			
251	255	98,4%	100,0%	No Effect			

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
5	Macro	0	4	0,0%	1,6%	Open	
		5	9	2,0%	3,5%	Congo/color 1	
		10	14	3,9%	5,5%	Red/color 2	
		15	19	5,9%	7,5%	Green/color 3	
		20	24	7,8%	9,4%	Blue/color 4	
		25	29	9,8%	11,4%	Orange/color 5	
		30	34	11,8%	13,3%	Light green/color 6	
		35	39	13,7%	15,3%	Pink/color 7	
		40	44	15,7%	17,3%	Light blue/ color 8	
		45	49	17,6%	19,2%	Purple/color 9	
		50	54	19,6%	21,2%	Neon green/color 10	
		55	59	21,6%	23,1%	Magenta/color 11	
		60	64	23,5%	25,1%	Cyan/color 12	
		65	69	25,5%	27,1%	Yellow/color 13	
		70	74	27,5%	29,0%	CTC/color 14	
		75	79	29,4%	31,0%	Scroll (CCW)	Slow → Fast
		80	84	31,4%	32,9%	Scroll (CW)	Slow → Fast
		85	89	33,3%	34,9%	Random color	
		90	180	35,3%	70,6%	Color filter emulation	See color filter chart
		181	199	71,0%	78,0%	Minus Green	
		200	200	78,4%	78,4%	Neutral	
		201	219	78,8%	85,9%	Plus Green	
		220	224	86,3	87,8%	DualSource™ Macro 1	Slow → Fast See note 6
		225	229	88,2%	89,8%	DualSource™ Macro 2	
		230	234	90,2%	91,8%	DualSource™ Macro 3	
235	239	92,2%	93,7%	DualSource™ Macro 4			
240	244	94,1%	95,7%	DualSource™ Macro 5			
245	249	96,1%	97,6%	DualSource™ Macro 6			
250	254	98,0%	99,6%	DualSource™ Macro 7			
255	255	100,0%	100,0%	Open			
6	CTC	0	0	0,0%	0,0%	5600K	See note 1
		1	4	0,4%	1,6%	Raw	
		5	255	2,0%	100,0%	2000K → 10000K	See CTC chart

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
7	Color path	0	127	0,0%	49,8%	SGM Standard	
		128	255	50,2%	100,0%	SGM VersaPath™	See note 4
8	Red Strobe (Panel)	0	255	0,0%	100,0%	0% → 100% Red	Note 1
9	Green Strobe (Panel)	0	255	0,0%	100,0%	0% → 100% Green	
10	Blue Strobe (Panel)	0	255	0,0%	100,0%	0% → 100% Blue	
11	Red (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Red	Fade
12	Green (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Green	Fade
13	Blue (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
14	Red (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Red	Fade
15	Green (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Green	Fade
16	Blue (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
17	Red (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Red	Fade
18	Green (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Green	Fade
19	Blue (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
20	Red (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Red	Fade
21	Green (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Green	Fade
22	Blue (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
23	Intensity(Strobe Blinder 1)	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
24	Duration (Strobe Blinder 1)	0	255	0,0%	100,0%	Short → Long	Short → Long
25	Rate(Strobe Blinder 1)	0	255	0,0%	100,0%	Slow → Fast	Slow → Fast

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
26	Effect (Strobe Blinder 1)	0	9	0,0%	3,5%	No effect	Snap
		10	19	3,9%	7,5%	Random Pixels	
		20	29	7,8%	11,4%	Strobe turn off Panel	
		30	39	11,8%	15,3%	Random Strobe	
		40	49	15,7%	19,2%	Random Strobe turn off Panel	
		50	59	19,6%	23,1%	Strobe Flicker	
		60	69	23,5%	27,1%	Strobe Lightning	
		70	79	27,5%	31,0%	Spikes	
		80	89	31,4%	34,9%	Random Blind	
		90	99	35,3%	38,8%	Halogen Decay	
		100	109	39,2%	42,7%	Halogen Attack and Decay	
		110	119	43,1%	46,7%	Halogen Attack	
		120	129	47,1%	50,6%	Random Pixel Pulse	Snap
		130	139	51,0%	54,5%	Random Intensity Strobe	
		140	219	54,9%	85,9%	Reserved	
		220	223	86,3%	87,5%	Control Individual Pixels	
		224	250	87,8%	98,0%	Reserved	
251	255	98,4%	100,0%	No Effect			
27	Intensity (Strobe Blinder 2)	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
28	Duration (Strobe Blinder 2)	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
29	Rate (Strobe Blinder 2)	0	255	0,0%	100,0%	0% → 100% Intensity	Fade

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
30	Effect (Strobe Blinder 2)	0	9	0,0%	3,5%	No effect	Snap
		10	19	3,9%	7,5%	Random Pixels	
		20	29	7,8%	11,4%	Strobe turn off Panel	
		30	39	11,8%	15,3%	Random Strobe	
		40	49	15,7%	19,2%	Random Strobe turn off Panel	
		50	59	19,6%	23,1%	Strobe Flicker	
		60	69	23,5%	27,1%	Strobe Lightning	
		70	79	27,5%	31,0%	Spikes	
		80	89	31,4%	34,9%	Random Blind	
		90	99	35,3%	38,8%	Halogen Decay	
		100	109	39,2%	42,7%	Halogen Attack and Decay	
		110	119	43,1%	46,7%	Halogen Attack	
		120	129	47,1%	50,6%	Random Pixel Pulse	
		130	139	51,0%	54,5%	Random Intensity Strobe	
		140	219	54,9%	85,9%	Reserved	
		220	223	86,3%	87,5%	Control Individual Pixels	
		224	250	87,8%	98,0%	Reserved	
251	255	98,4%	100,0%	No Effect			
31	Strobe Blinder 1 Pixel 1	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
32	Strobe Blinder 1 Pixel 2	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
33	Strobe Blinder 2 Pixel 1	0	255	0,0%	100,0%	0% → 100% Intensity	Fade
34	Strobe Blinder 2 Pixel 2	0	255	0,0%	100,0%	0% → 100% Intensity	Fade

41 CHANNEL EXTENDED

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
1+2	Intensity (Panel)	0	65535	0,0%	100,0%	0% → 100% Intensity	Fade
3	Duration (Panel)	0	255	0,0%	100,0%	Short → Long	Short → Long
4	Rate (Panel)	0	255	0,0%	100,0%	Slow → Fast	Slow → Fast
5	Effect (Panel)	0	5	0,0%	2,0%	No Effect	
		6	10	2,4%	3,9%	Flicker	
		11	15	4,3%	5,9%	Random Pixel	
		16	20	6,3%	7,8%	Random	
		21	25	8,2%	9,8%	Flicker Individual Color	
		26	30	10,2%	11,8%	Random Strobe Color	
		31	35	12,2%	13,7%	Random Spike Color	
		36	40	14,1%	15,7%	Random Spike Pixel	
		41	45	16,1%	17,6%	Pre-Red	
		46	50	18,0%	19,6%	Pre-Green	
		51	55	20,0%	21,6%	Pre-Blue	
		56	60	22,0%	23,5%	RGB Flicker	
		61	65	23,9%	25,5%	Lightning	
		66	70	25,9%	27,5%	Circle RGB	
		71	75	27,8%	29,4%	Fire	
		76	80	29,8%	31,4%	Ice	
		81	85	31,8%	33,3%	Magenta-Red-Blue	
		86	90	33,7%	35,3%	Random Color Fade Pixel	
		91	95	35,7%	37,3%	Circle CW	
		96	100	37,6%	39,2%	Circle CCW	
		101	105	39,6%	41,2%	Scroll Down	
106	110	41,6%	43,1%	Scroll Up			
111	115	43,5%	45,1%	Scroll Up Down			
116	120	45,5%	47,1%	Effect Pixel 1 → 4			
121	136	47,5%	53,3%	Control Individual Pixels			
137	250	53,7%	98,0%	Reserved			
251	255	98,4%	100,0%	No Effect			
6	Red Strobe (Panel)	0	255	0,0%	100,0%	0% → 100% Red	Note 1

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
7	Green Strobe (Panel)	0	255	0,0%	100,0%	0% → 100% Green	Note 1
8	Blue Strobe (Panel)	0	255	0,0%	100,0%	0% → 100% Blue	
9	White Strobe (Panel)	0	255	0,0%	100,0%	0% → 100% White	
10	Red (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Red	
11	Green (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Green	
12	Blue (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Blue	
13	White (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% White	
14	Red (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Red	
15	Green (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Green	
16	Blue (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Blue	
17	White (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% White	
18	Red (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Red	
19	Green (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Green	
20	Blue (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Blue	
21	White (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% White	
22	Red (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Red	
23	Green (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Green	
24	Blue (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Blue	
25	White (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% White	
26	Frequency (Panel & Strobe Blinders)	0	4	0,0%	1,6%	Default	
		5	255	2,0%	100,0%	Min → Max	

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
27	Dimming Curve	0	4	0,0%	1,6%	Smooth Gamma Corrected	See note 3
		5	9	2,0%	3,5%	Smooth Linear	
		10	14	3,9%	5,5%	Halogen Gamma Corrected	
		15	19	5,9%	7,5%	Halogen Linear	
		20	24	7,8%	9,4%	Fast Response Gamma Corrected	
		25	29	9,8%	11,4%	Fast Response Linear	
		30	34	11,8%	13,3%	Extended Range - Smooth Gamma Corrected	
		35	39	13,7%	15,3%	Extended Range - Smooth Linear	
		40	44	15,7%	17,3%	Extended Range - Halogen Gamma Corrected	
		45	49	17,6%	19,2%	Extended Range - Halogen Linear	
		50	54	19,6%	21,2%	Extended Range - Fast Response Gamma Corrected	
		55	59	21,6%	23,1%	Extended Range - Fast Response Linear	
		60	255	23,5%	100,0%	Reserved	
28+29	Intensity (Strobe Blinder 1)	0	65535	0,0%	100,0%	0% → 100% Intensity	Top Strobe Blinder
30	Duration (Strobe Blinder 1)	0	255	0,0%	100,0%	Short → Long	
31	Rate (Strobe Blinder 1)	0	255	0,0%	100,0%	Slow → Fast	

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
32	Effect (Strobe Blinder 1)	0	9	0,0%	3,5%	No Effect	
		10	19	3,9%	7,5%	Random Pixels	
		20	29	7,8%	11,4%	Strobe turn off Panel	
		30	39	11,8%	15,3%	Random Strobe	
		40	49	15,7%	19,2%	Random Strobe turn off Panel	
		50	59	19,6%	23,1%	Strobe Flicker	
		60	69	23,5%	27,1%	Strobe Lightning	
		70	79	27,5%	31,0%	Spikes	
		80	89	31,4%	34,9%	Random Blind	
		90	99	35,3%	38,8%	Halogen Decay	
		100	109	39,2%	42,7%	Halogen Attack and Decay	
		110	119	43,1%	46,7%	Halogen Attack	
		120	129	47,1%	50,6%	Random Pixel Pulse	
		130	139	51,0%	54,5%	Random Intensity Strobe	
		140	219	54,9%	85,9%	Reserved	
		220	223	86,3%	87,5%	Control Individual Pixels	See Pixel chart
		224	250	87,8%	98,0%	Reserved	
251	255	98,4%	100,0%	No Effect			
33+34	Intensity (Strobe Blinder 2)	0	65535	0,0%	100,0%	0% → 100% Intensity	Bottom Strobe Blinder
35	Duration (Strobe Blinder 2)	0	255	0,0%	100,0%	Short → Long	
36	Rate (Strobe Blinder 2)	0	255	0,0%	100,0%	Slow → Fast	
37	Effect (Strobe Blinder 2)	0	9	0,0%	3,5%	No Effect	Snap
		10	19	3,9%	7,5%	Random Pixels	

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO	
37	Effect (Strobe Blinder 2)	20	29	7,8%	11,4%	Strobe turn off Panel	Snap	
		30	39	11,8%	15,3%	Random Strobe		
		40	49	15,7%	19,2%	Random Strobe turn off Panel		
		50	59	19,6%	23,1%	Strobe Flicker		
		60	69	23,5%	27,1%	Strobe Lightning		
		70	79	27,5%	31,0%	Spikes		
		80	89	31,4%	34,9%	Random Blind		
		90	99	35,3%	38,8%	Halogen Decay		
		100	109	39,2%	42,7%	Halogen Attack and Decay		
		110	119	43,1%	46,7%	Halogen Attack		
		120	129	47,1%	50,6%	Random Pixel Pulse		
		130	139	51,0%	54,5%	Random Intensity Strobe		
		140	219	54,9%	85,9%	Reserved		
		220	223	86,3%	87,5%	Control Individual Pixels		See Pixel chart
		224	250	87,8%	98,0%	Reserved		
		251	255	98,4%	100,0%	No Effect		
		38	Strobe Blinder 1 Pixel 1	0	255	0,0%	100,0%	0% → 100% Intensity
39	Strobe Blinder 1 Pixel 2	0	255	0,0%	100,0%	0% → 100% Intensity	Top Right	
40	Strobe Blinder 2 Pixel 1	0	255	0,0%	100,0%	0% → 100% Intensity	Bottom Left	
41	Strobe Blinder 2 Pixel 2	0	255	0,0%	100,0%	0% → 100% Intensity	Bottom Right	

52 CHANNEL EXTENDED +

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
1+2	Intensity (Panel)	0	65535	0,0%	100,0%	0% → 100% Intensity	Fade
3	Duration (Panel)	0	255	0,0%	100,0%	Strobe duration	Short → Long
4	Rate (Panel)	0	255	0,0%	100,0%	Strobe rate	Slow → Fast
5	Effect (Panel)	0	5	0,0%	2,0%	No effect	Snap
		6	10	2,4%	3,9%	Flicker	
		11	15	4,3%	5,9%	Random Pixel	
		16	20	6,3%	7,8%	Random	
		21	25	8,2%	9,8%	Flicker Individual Color	
		26	30	10,2%	11,8%	Random Strobe Color	
		31	35	12,2%	13,7%	Random Spike Color	
		36	40	14,1%	15,7%	Random Spike Pixel	
		41	45	16,1%	17,6%	Pre-red	
		46	50	18,0%	19,6%	Pre-green	
		51	55	20,0%	21,6%	Pre-blue	
		56	60	22,0%	23,5%	RGB-flicker	
		61	65	23,9%	25,5%	Circle RGB	
		66	70	25,9%	27,5%	Roll effect RGB	
		71	75	27,8%	29,4%	Fire	
		76	80	29,8%	31,4%	Ice	
		81	85	31,8%	33,3%	Magenta-red-blue	
		86	90	33,7%	35,3%	Random color fade pixel	
		91	95	35,7%	37,3%	Circle CW	
		96	100	37,6%	39,2%	Circle CCW	
		101	255	39,6%	100,0%	Scroll Down	
		106	110	41,6%	43,1%	Scroll Up	
		111	115	43,5%	45,1%	Scroll Up Down	
		116	120	45,5%	47,1%	Effect Pixel 1 → 4	
121	136	47,5%	53,3%	Control Individual Pixels			
137	250	53,7%	98,0%	Reserved			
251	255	98,4%	100,0%	No Effect			

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
6	Macro	0	4	0,0%	1,6%	Open	
		5	9	2,0%	3,5%	Congo/color 1	
		10	14	3,9%	5,5%	Red/color 2	
		15	19	5,9%	7,5%	Green/color 3	
		20	24	7,8%	9,4%	Blue/color 4	
		25	29	9,8%	11,4%	Orange/color 5	
		30	34	11,8%	13,3%	Light green/color 6	
		35	39	13,7%	15,3%	Pink/color 7	
		40	44	15,7%	17,3%	Light blue/ color 8	
		45	49	17,6%	19,2%	Purple/color 9	
		50	54	19,6%	21,2%	Neon green/color 10	
		55	59	21,6%	23,1%	Magenta/color 11	
		60	64	23,5%	25,1%	Cyan/color 12	
		65	69	25,5%	27,1%	Yellow/color 13	
		70	74	27,5%	29,0%	CTC/color 14	
		75	79	29,4%	31,0%	Scroll (CCW)	Slow → Fast
		80	84	31,4%	32,9%	Scroll (CW)	Slow → Fast
		85	89	33,3%	34,9%	Random color	
		90	180	35,3%	70,6%	Color filter emulation	See color filter chart
		181	199	71,0%	78,0%	Minus Green	
		200	200	78,4%	78,4%	Neutral	
		201	219	78,8%	85,9%	Plus Green	
		220	224	86,3	87,8%	DualSource™ Macro 1	Slow → Fast See note 6
		225	229	88,2%	89,8%	DualSource™ Macro 2	
		230	234	90,2%	91,8%	DualSource™ Macro 3	
235	239	92,2%	93,7%	DualSource™ Macro 4			
240	244	94,1%	95,7%	DualSource™ Macro 5			
245	249	96,1%	97,6%	DualSource™ Macro 6			
250	254	98,0%	99,6%	DualSource™ Macro 7			
255	255	100,0%	100,0%	Open			
7	CTC	0	0	0,0%	0,0%	5600K	See note 1
		1	4	0,4%	1,6%	Raw	
		5	255	2,0%	100,0%	2000K → 10000K	See CTC chart

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
8	Color path	0	127	0,0%	49,8%	SGM Standard	See note 4
		128	255	50,2%	100,0%	SGM VersaPath™	
9	Red Strobe (Panel)	0	255	0,0%	100,0%	0% → 100% Red	See note 1
10	Green Strobe (Panel)	0	255	0,0%	100,0%	0% → 100% Green	
11	Blue Strobe (Panel)	0	255	0,0%	100,0%	0% → 100% Blue	
12+13	Red (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Red	Fade
14+15	Green (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Green	Fade
16+17	Blue (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
18+19	Red (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Red	Fade
20+21	Green (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Green	Fade
22+23	Blue (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
24+25	Red (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Red	Fade
26+27	Green (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Green	Fade
28+29	Blue (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
30+31	Red (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Red	Fade
32+33	Green (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Green	Fade
34+35	Blue (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
36	"Frequency (Panel & Strobe Blinders)"	0	4	0,0%	1,6%	Default	3.174Hz → 30 kHz
		5	255	2,0%	100,0%	Min → Max	
37	Dimming Curve	0	4	0,0%	1,6%	Smooth Gamma Corrected	See note 3
		5	9	2,0%	3,5%	Smooth Linear	
		10	14	3,9%	5,5%	Halogen Gamma Corrected	
		15	19	5,9%	7,5%	Halogen Linear	
		20	24	7,8%	9,4%	Fast Response Gamma Corrected	
		25	29	9,8%	11,4%	Fast Response Linear	
		30	34	11,8%	13,3%	Extended Range - Smooth Gamma Corrected	
		35	39	13,7%	15,3%	Extended Range - Smooth Linear	
		40	44	15,7%	17,3%	Extended Range - Halogen Gamma Corrected	
		45	49	17,6%	19,2%	Extended Range - Halogen Linear	

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
37	Dimming Curve	50	54	19,6%	21,2%	Extended Range - Fast Response Gamma Corrected	See note 3
		55	59	21,6%	23,1%	Extended Range - Fast Response Linear	
		60	255	23,5%	100,0%	Reserved	
38+39	Intensity (Strobe Blinder 1)	0	65535	0,0%	100,0%	0% → 100% Intensity	Top Strobe Blinder
40	Duration (Strobe Blinder 1)	0	255	0,0%	100,0%	Short → Long	
41	Rate (Strobe Blinder 1)	0	255	0,0%	100,0%	Slow → Fast	
42	Effect (Strobe Blinder 1)	0	9	0,0%	3,5%	No Effect	
		10	19	3,9%	7,5%	Random Pixels	
		20	29	7,8%	11,4%	Strobe turn off Panel	
		30	39	11,8%	15,3%	Random Strobe	
		40	49	15,7%	19,2%	Random Strobe turn off Panel	
		50	59	19,6%	23,1%	Strobe Flicker	
		60	69	23,5%	27,1%	Strobe Lightning	
		70	79	27,5%	31,0%	Spikes	
		80	89	31,4%	34,9%	Random Blind	
		90	99	35,3%	38,8%	Halogen Decay	
		100	109	39,2%	42,7%	Halogen Attack and Decay	
		110	119	43,1%	46,7%	Halogen Attack	
		120	129	47,1%	50,6%	Random Pixel Pulse	
		130	139	51,0%	54,5%	Random Intensity Strobe	
		140	219	54,9%	85,9%	Reserved	
		220	223	86,3%	87,5%	Control Individual Pixels	See Pixel chart
		224	250	87,8%	98,0%	Reserved	
251	255	98,4%	100,0%	No Effect			
43+44	Intensity (Strobe Blinder 2)	0	65535	0,0%	100,0%	0% → 100% Intensity	Bottom Strobe Blinder
45	Duration (Strobe Blinder 2)	0	255	0,0%	100,0%	Short → Long	
46	Rate (Strobe Blinder 2)	0	255	0,0%	100,0%	Slow → Fast	
47	Effect (Strobe Blinder 2)	0	9	0,0%	3,5%	No Effect	Snap
		10	19	3,9%	7,5%	Random Pixels	

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
47	Effect (Strobe Blinder 2)	20	29	7,8%	11,4%	Strobe turn off Panel	Snap
		30	39	11,8%	15,3%	Random Strobe	
		40	49	15,7%	19,2%	Random Strobe turn off Panel	
		50	59	19,6%	23,1%	Strobe Flicker	
		60	69	23,5%	27,1%	Strobe Lightning	
		70	79	27,5%	31,0%	Spikes	
		80	89	31,4%	34,9%	Random Blind	
		90	99	35,3%	38,8%	Halogen Decay	
		100	109	39,2%	42,7%	Halogen Attack and Decay	
		110	119	43,1%	46,7%	Halogen Attack	
		120	129	47,1%	50,6%	Random Pixel Pulse	
		130	139	51,0%	54,5%	Random Intensity Strobe	
		140	219	54,9%	85,9%	Reserved	
		220	223	86,3%	87,5%	Control Individual Pixels	
		224	250	87,8%	98,0%	Reserved	
		251	255	98,4%	100,0%	No Effect	
		48	Strobe Blinder 1 Pixel 1	0	255	0,0%	100,0%
49	Strobe Blinder 1 Pixel 2	0	255	0,0%	100,0%	0% → 100% Intensity	Top Right
50	Strobe Blinder 2 Pixel 1	0	255	0,0%	100,0%	0% → 100% Intensity	Bottom Left
51	Strobe Blinder 2 Pixel 2	0	255	0,0%	100,0%	0% → 100% Intensity	Bottom Right
52	Fan Control	0	4	0,0%	1,6%	Default	
		5	255	2,0%	100,0%	Min → Max	

36 CHANNEL STUDIO

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
1+2	Intensity (Panel)	0	65535	0,0%	100,0%	0% → 100% Intensity	Fade
3	Duration (Panel)	0	255	0,0%	100,0%	Strobe duration	Short → Long
4	Rate (Panel)	0	255	0,0%	100,0%	Strobe rate	Slow → Fast
5	Effect (Panel)	0	5	0,0%	2,0%	No effect	Snap
		6	10	2,4%	3,9%	Flicker	
		11	15	4,3%	5,9%	Random Pixel	
		16	20	6,3%	7,8%	Random	
		21	25	8,2%	9,8%	Flicker Individual Color	
		26	30	10,2%	11,8%	Random Strobe Color	
		31	35	12,2%	13,7%	Random Spike Color	
		36	40	14,1%	15,7%	Random Spike Pixel	
		41	45	16,1%	17,6%	Pre-red	
		46	50	18,0%	19,6%	Pre-green	
		51	55	20,0%	21,6%	Pre-blue	
		56	60	22,0%	23,5%	RGB-flicker	
		61	65	23,9%	25,5%	Circle RGB	
		66	70	25,9%	27,5%	Roll effect RGB	
		71	75	27,8%	29,4%	Fire	
		76	80	29,8%	31,4%	Ice	
		81	85	31,8%	33,3%	Magenta-red-blue	
		86	90	33,7%	35,3%	Random color fade pixel	
		91	95	35,7%	37,3%	Circle CW	
		96	100	37,6%	39,2%	Circle CCW	
		101	255	39,6%	100,0%	Scroll Down	
		106	110	41,6%	43,1%	Scroll Up	
		111	115	43,5%	45,1%	Scroll Up Down	
		116	120	45,5%	47,1%	Effect Pixel 1 → 4	
		121	136	47,5%	53,3%	Control Individual Pixels	See Pixel chart
137	250	53,7%	98,0%	Reserved			
251	255	98,4%	100,0%	No Effect			

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
6	Macro	0	4	0,0%	1,6%	Open	
		5	9	2,0%	3,5%	Congo/color 1	
		10	14	3,9%	5,5%	Red/color 2	
		15	19	5,9%	7,5%	Green/color 3	
		20	24	7,8%	9,4%	Blue/color 4	
		25	29	9,8%	11,4%	Orange/color 5	
		30	34	11,8%	13,3%	Light green/color 6	
		35	39	13,7%	15,3%	Pink/color 7	
		40	44	15,7%	17,3%	Light blue/ color 8	
		45	49	17,6%	19,2%	Purple/color 9	
		50	54	19,6%	21,2%	Neon green/color 10	
		55	59	21,6%	23,1%	Magenta/color 11	
		60	64	23,5%	25,1%	Cyan/color 12	
		65	69	25,5%	27,1%	Yellow/color 13	
		70	74	27,5%	29,0%	CTC/color 14	
		75	79	29,4%	31,0%	Scroll (CCW)	Slow → Fast
		80	84	31,4%	32,9%	Scroll (CW)	Slow → Fast
		85	89	33,3%	34,9%	Random color	
		90	180	35,3%	70,6%	Color filter emulation	See color filter chart
		181	199	71,0%	78,0%	Minus Green	
		200	200	78,4%	78,4%	Neutral	
		201	219	78,8%	85,9%	Plus Green	
		220	224	86,3	87,8%	DualSource™ Macro 1	Slow → Fast See note 6
		225	229	88,2%	89,8%	DualSource™ Macro 2	
		230	234	90,2%	91,8%	DualSource™ Macro 3	
235	239	92,2%	93,7%	DualSource™ Macro 4			
240	244	94,1%	95,7%	DualSource™ Macro 5			
245	249	96,1%	97,6%	DualSource™ Macro 6			
250	254	98,0%	99,6%	DualSource™ Macro 7			
255	255	100,0%	100,0%	Open			
7	Color Mode	0	4	0,0%	1,6%	CTC RGB	See note 2
		5	9	2,0%	3,5%	xy (CIE 1931)	
		10	14	3,9%	5,5%	CTC RGBW	
		15	19	5,9%	7,5%	HSI	

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
7	Color Mode	20	24	7,8%	9,4%	CMY	
		25	29	9,8%	11,4%	CTC RGB+W	
		30	255	11,8%	100,0%	Reserved	
8	Plus/Minus Green	0	4	0,0%	1,6%	Neutral	
		5	125	2,0%	49,0%	Minus Green	Max → Min
		126	134	49,4%	52,5%	Neutral	
		135	255	52,9%	100,0%	Plus Green	Min → Max
9	Dimming Curve	0	4	0,0%	1,6%	Smooth Gamma Corrected	See note 3
		5	9	2,0%	3,5%	Smooth Linear	
		10	14	3,9%	5,5%	Halogen Gamma Corrected	
		15	19	5,9%	7,5%	Halogen Linear	
		20	24	7,8%	9,4%	Fast Response Gamma Corrected	
		25	29	9,8%	11,4%	Fast Response Linear	
		30	34	11,8%	13,3%	Extended Range - Smooth Gamma Corrected	
		35	39	13,7%	15,3%	Extended Range - Smooth Linear	
		40	44	15,7%	17,3%	Extended Range - Halogen Gamma Corrected	
		45	49	17,6%	19,2%	Extended Range - Halogen Linear	
		50	54	19,6%	21,2%	Extended Range - Fast Response Gamma Corrected	
		55	59	21,6%	23,1%	Extended Range - Fast Response Linear	
		60	255	23,5%	100,0%	Reserved	
10	CTC	0	0	0,0%	0,0%	5600K	See note 1
		1	4	0,4%	1,6%	Raw	
		5	255	2,0%	100,0%	2000K → 10000K	See CTC chart
11	Color path	0	127	0,0%	49,8%	SGM Standard	
		128	255	50,2%	100,0%	SGM VersaPath™	See note 4
12+13	Red (Panel)	0	65535	0,0%	100,0%	0% → 100% Red	
14+15	Green (Panel)	0	65535	0,0%	100,0%	0% → 100% Green	
16+17	Blue (Panel)	0	65535	0,0%	100,0%	0% → 100% Blue	
18+19	White (Panel)	0	65535	0,0%	100,0%	0% → 100% White	
20	Frequency (Panel & Strobe Blinders)	0	4	0,0%	1,6%	Default	
		5	255	2,0%	100,0%	Min → Max	3.174Hz → 30 kHz

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
21	High Speed Mode	0	9	0,0%	3,5%	Not Active	See note 5
		10	19	3,9%	7,5%	Mode 1	
		20	29	7,8%	11,4%	Mode 2	
		30	39	11,8%	15,3%	Mode 3	
		40	49	15,7%	19,2%	Mode 4	
		50	59	19,6%	23,1%	Mode 5	
		60	69	23,5%	27,1%	Mode 6	
		70	79	27,5%	31,0%	Mode 7	
		80	255	31,4%	100,0%	Not Active	
22+23	Intensity (Strobe Blinder 1)	0	65535	0,0%	100,0%	0% → 100% Intensity	Top Strobe Blinder
24	Duration (Strobe Blinder 1)	0	255	0,0%	100,0%	Short → Long	
25	Rate (Strobe Blinder 1)	0	255	0,0%	100,0%	Slow → Fast	
26	Effect (Strobe Blinder 1)	0	9	0,0%	3,5%	No Effect	
		10	19	3,9%	7,5%	Random Pixels	
		20	29	7,8%	11,4%	Strobe turn off Panel	
		30	39	11,8%	15,3%	Random Strobe	
		40	49	15,7%	19,2%	Random Strobe turn off Panel	
		50	59	19,6%	23,1%	Strobe Flicker	
		60	69	23,5%	27,1%	Strobe Lightning	
		70	79	27,5%	31,0%	Spikes	
		80	89	31,4%	34,9%	Random Blind	
		90	99	35,3%	38,8%	Halogen Decay	
		100	109	39,2%	42,7%	Halogen Attack and Decay	
		110	119	43,1%	46,7%	Halogen Attack	
		120	129	47,1%	50,6%	Random Pixel Pulse	
		130	139	51,0%	54,5%	Random Intensity Strobe	
		140	219	54,9%	85,9%	Reserved	
		220	223	86,3%	87,5%	Control Individual Pixels	See Pixel chart
		224	250	87,8%	98,0%	Reserved	
251	255	98,4%	100,0%	No Effect			
27+28	Intensity (Strobe Blinder 2)	0	65535	0,0%	100,0%	0% → 100% Intensity	Bottom Strobe Blinder
29	Duration (Strobe Blinder 2)	0	255	0,0%	100,0%	Short → Long	
30	Rate (Strobe Blinder 2)	0	255	0,0%	100,0%	Slow → Fast	

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
31	Effect (Strobe Blinder 2)	0	9	0,0%	3,5%	No Effect	Snap
		10	19	3,9%	7,5%	Random Pixels	
		20	29	7,8%	11,4%	Strobe turn off Panel	Snap
		30	39	11,8%	15,3%	Random Strobe	
		40	49	15,7%	19,2%	Random Strobe turn off Panel	
		50	59	19,6%	23,1%	Strobe Flicker	
		60	69	23,5%	27,1%	Strobe Lightning	
		70	79	27,5%	31,0%	Spikes	
		80	89	31,4%	34,9%	Random Blind	
		90	99	35,3%	38,8%	Halogen Decay	
		100	109	39,2%	42,7%	Halogen Attack and Decay	
		110	119	43,1%	46,7%	Halogen Attack	
		120	129	47,1%	50,6%	Random Pixel Pulse	
		130	139	51,0%	54,5%	Random Intensity Strobe	
		140	219	54,9%	85,9%	Reserved	
		220	223	86,3%	87,5%	Control Individual Pixels	See Pixel chart
		224	250	87,8%	98,0%	Reserved	
		251	255	98,4%	100,0%	No Effect	
32	Strobe Blinder 1 Pixel 1	0	255	0,0%	100,0%	0% → 100% Intensity	Top Left
33	Strobe Blinder 1 Pixel 2	0	255	0,0%	100,0%	0% → 100% Intensity	Top Right
34	Strobe Blinder 2 Pixel 1	0	255	0,0%	100,0%	0% → 100% Intensity	Bottom Left
35	Strobe Blinder 2 Pixel 2	0	255	0,0%	100,0%	0% → 100% Intensity	Bottom Right
36	Fan Control	0	4	0,0%	1,6%	Default	
		5	255	2,0%	100,0%	Min → Max	

12 CHANNEL RGB ONLY

CHANNEL	NAME	DMX		DMX PERCENTAGE		DESCRIPTION	INFO
1	Red (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Red	Note 2
2	Green Strobe (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Green	
3	Blue Strobe (Panel Pixel 1)	0	255	0,0%	100,0%	0% → 100% Blue	
4	Red (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Red	Fade
5	Green Strobe (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Green	Fade
6	Blue Strobe (Panel Pixel 2)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
7	Red (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Red	Fade
8	Green Strobe (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Green	Fade
9	Blue Strobe (Panel Pixel 3)	0	255	0,0%	100,0%	0% → 100% Blue	Fade
10	Red (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Red	Fade
11	Green Strobe (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Green	Fade
12	Blue Strobe (Panel Pixel 4)	0	255	0,0%	100,0%	0% → 100% Blue	Fade

NOTE 1

RGB(W) strobe effect on a separate layer, on top of RGBW pixels, controllable via Rate and Duration on the panel. The Red, Green, Blue and White Strobe channels can be combined to achieve a mixed RGBW strobe on top of a mixed RGBW background or RGBW pixel control.

In calibrated modes, combine the Red Strobe, Green Strobe, and Blue Strobe, to achieve a calibrated White Strobe.

The White Strobe channel is only available in RAW modes that also include a White channel.

NOTE 2

- **CTC RGB** allows RGBW mixing with CTC control over white on the Red, Green and Blue channels (5700K White LED is controlled via RGB color engine).

- **CTC RGBW** allows RGBW mixing with CTC control over white on the Red, Green, Blue and White channels (5700K White LED is controlled via RGBW color engine).

- **CTC RGB+W** allows RGB mixing with CTC control over white on the Red, Green and Blue channels, plus independent control over 5700K White LED on the White channel (5700K White LED is not part of the color engine).

- **HSI and CMY** modes use the Red, Green and Blue channels for the color mix.

- **xy** mode does not allow CTC control.

CTC RGB, CTC RGBW, CTC RGB+W, HSI, and CMY modes can be combined with the CTC, Color Path, Macro, and Plus/Minus Green channels.

NOTE 3

Changes the dimming curve on both RGBW Panel and the 2 White Strobe/Blinder strips.

- **Smooth Gamma Corrected** is compatible with previous SGM products.

- **Halogen** creates an organic delay, similar to tungsten-lamp performance when filament is heated up.

- **Extended Range** creates a low-end dimming that ignores the SGM recommended minimum level to achieve a wider threshold.

NOTE 4

With the Color Path set to VersaPath™, the color emulation reacts in the same way as a physical filter over a specific native color temperature (from 2000K to 10000K), editable via the CTC channel.

When Dimming Curve channel is set to Halogen, a "tungsten-lamp with color filter" look can be achieved.

When the Color Path is set to VersaPath™, the CTC channel can be used to move the RGB color mix over the black-body curve. In order to achieve this, at least 2 primary colors need to have values above 000.

When the Color Path is set to Standard, the color mixing is compatible with all SGM RGB-based products since 2009. CTC channel can only affect the RGB color mix when at least 3 primary colors have values above 000.

NOTE 5

When one of the High Speed Modes is active, the Panel Intensity channel is used to turn on the white LED of the panel (5600K / CRI 90 / Brightness 100%). This requires the Panel Intensity channel to be set to a DMX value from 1 to 255. At a DMX value of 0, the Panel will turn off. Any other channel will be disabled when a High Speed Mode is active.

7 different modes are available to assure the best output depending on the ambient temperature:

- **Mode 1:** unknown or variable ambient temperature.

- **Mode 2:** temperatures up to 15°C.

- **Mode 3:** temperatures up to 20°C.

- **Mode 4:** temperatures up to 25°C

- **Mode 5:** temperatures up to 30°C.

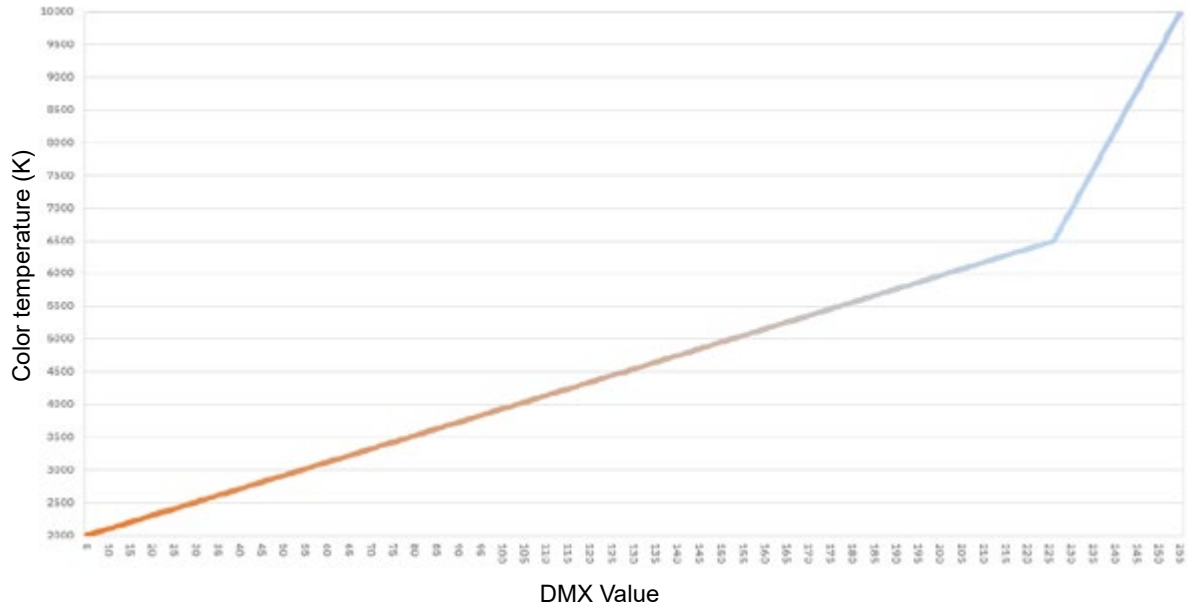
- **Mode 6:** temperatures up to 35°C.

- **Mode 7:** temperatures up to 40°C.

NOTE 6

The DualSource™ Macros only require the Panel Intensity channel to be higher than DMX 0. The Panel Intensity channel will act as a master dimmer for both light sources when one of these macros is selected.

CTC CHART



CTC	DMX	DMX PERCENTAGE	COLOR TEMPERATURE
2000K → 10000K	5	2,0%	2000K
	15	5,9%	2200K
	25	9,8%	2400K
	35	13,7%	2600K
	45	17,6%	2800K
	55	21,6%	3000K
	65	25,5%	3200K
	75	29,4%	3400K
	85	33,3%	3600K
	95	37,3%	3800K
	105	41,1%	4000K
	115	45,1%	4200K
	125	49,0%	4400K
	135	53,0%	4600K
	145	56,9%	4800K
	155	60,8%	5000K
	165	64,7%	5200K
	175	68,6%	5400K
	185	72,6%	5600K
	195	76,5%	5900K
205	80,4%	6100K	
215	84,3%	6300K	
225	88,2%	6500K	
235	92,2%	7500K	
245	96,1%	8800K	
255	100%	10000K	

COLOR FILTER EMULATION CHART

MACRO	DMX	DMX PERCENTAGE	COLOR NAME	FILTER
Color Filter Emulation	90	35,3%	Med Bast Amber	LEE 004
	91	35,7%	Med Yellow	LEE 010
	92	36,1%	Straw Tint	LEE 013
	93	36,5%	Surprise Peach	LEE 017
	94	36,9%	Fire	LEE 019
	95	37,3%	Med Amber	LEE 020
	96	37,6%	Gold Amber	LEE 021
	97	38,0%	Dark Amber	LEE 022
	98	38,4%	Sunset red	LEE 025
	99	38,8%	Bright red	LEE 026
	100	39,2%	Light Pink	LEE 035
	101	39,6%	Med Pink	LEE 036
	102	40,0%	Medium Purple	LEE 049
	103	40,4%	Lt Lavender	LEE 052
	104	40,8%	Lavender	LEE 058
	105	41,2%	Sky Blue	LEE 068
	106	41,6%	Tokyo Blue	LEE 071
	107	42,0%	Just Blue	LEE 079
	108	42,4%	Lime Green	LEE 088
	109	42,7%	Moss Green	LEE 089
	110	43,1%	Dk Yellow/Green	LEE 090
	111	43,5%	Spring Yellow	LEE 100
	112	43,9%	Lt Amber	LEE 102
	113	44,3%	Straw	LEE 103
	114	44,7%	Deep Amber	LEE 104
	115	45,1%	Orange	LEE 105
	116	45,5%	Primary Red	LEE 106
	117	45,9%	Lt. Rose	LEE 107
	118	46,3%	English Rose	LEE 108
	119	46,7%	Lt. Salmon	LEE 109
120	47,1%	Middle Rose	LEE 110	
121	47,5%	Dark Pink	LEE 111	
122	47,8%	Magenta	LEE 113	
123	48,2%	Peacock Blue	LEE 115	
124	48,6%	Med Blue-Green	LEE 116	
125	49,0%	Steel Blue	LEE 117	
126	49,4%	Light Blue	LEE 118	

MACRO	DMX	DMX PERCENTAGE	COLOR NAME	FILTER
Color Filter Emulation	127	49,8%	Dark Blue	LEE 119
	128	50,2%	Deep Blue	LEE 120
	129	50,6%	Lee Green	LEE 121
	130	51,0%	Fern Green	LEE 122
	131	51,4%	Dark Green	LEE 124
	132	51,8%	Mauve	LEE 126
	133	52,2%	Bright Pink	LEE 128
	134	52,5%	Marine Blue	LEE 131
	135	52,9%	Med Blue	LEE 132
	136	53,3%	Golden Amber	LEE 134
	137	53,7%	Deep Golden Amber	LEE 135
	138	54,1%	Pale Lavender	LEE 136
	139	54,5%	Spec Lavender	LEE 137
	140	54,9%	Pale Green	LEE 138
	141	55,3%	Primary Green	LEE 139
	142	55,7%	Summer Blue	LEE 140
	143	56,1%	Bright Blue	LEE 141
	144	56,5%	Pale Navy Blue	LEE 143
	145	56,9%	Apricot	LEE 147
	146	57,3%	Bright Rose	LEE 148
	147	57,6%	Pale Gold35	LEE 152
	148	58,0%	Pale Rose	LEE 154
	149	58,4%	Pink	LEE 157
	150	58,8%	Deep Orange	LEE 158
	151	59,2%	Slate Blue	LEE 161
	152	59,6%	Bastard Amber	LEE 162
	153	60,0%	Flame Red	LEE 164
	154	60,4%	Daylight Blue	LEE 165
	155	60,8%	Lilac Tint	LEE 169
	156	61,2%	Deep Lavender	LEE 170
	157	61,6%	Lagoon Blue	LEE 172
	158	62,0%	Dk Steel Blue	LEE 174
159	62,4%	Chrome Orange	LEE 179	
160	62,7%	Dark Lavender	LEE 180	
161	63,1%	Congo Blue	LEE 181	
162	63,5%	Light Red	LEE 182	
163	63,9%	Surprise Pink	LEE 194	
164	64,3%	Alice Blue	LEE 197	
165	64,7%	Double C.T. Blue	LEE 200	

MACRO	DMX	DMX PERCENTAGE	COLOR NAME	FILTER
Color Filter Emulation	166	65,1%	Full C.T. Blue36	LEE 201
	167	65,5%	1/2 C.T. Blue	LEE 202
	168	65,9%	1/4 C.T. Blue	LEE 203
	169	66,3%	Full C.T. Orange	LEE 204
	170	66,7%	1/4 C.T. Orange	LEE 206
	171	67,1%	Fluorescent Green	LEE 219
	172	67,5%	Lee Minus Green	LEE 247
	173	67,8%	1/2 Minus Green	LEE 248
	174	68,2%	3/4 C.T. Blue	LEE 281
	175	68,6%	3/4 C.T. Orange	LEE 285
	176	69,0%	Follies Pink	LEE 328
	177	69,4%	S Spec Rose Pink	LEE 332
	178	69,8%	Fuchsia Pink	LEE 345
	179	70,2%	Glacier Blue	LEE 352
	180	70,6%	Lighter Blue	LEE 353

PIXEL CHART

EFFECT	DMX VALUE		DMX PERCENTAGE		PIXEL 1	PIXEL 2	PIXEL 3	PIXEL 4	DMX MODE
Individual Pixel Control (Panel)	121	121	47,5%	47,5%	I	O	O	O	Simplified Standard Standard+ Extended Extended+ Studio Mode Simplified Studio
	122	122	47,8%	47,8%	O	I	O	O	
	123	123	48,2%	48,2%	I	I	O	O	
	124	124	48,6%	48,6%	O	O	I	O	
	125	125	49,0%	49,0%	I	O	I	O	
	126	126	49,4%	49,4%	O	I	I	O	
	127	127	49,8%	49,8%	I	I	I	O	
	128	128	50,2%	50,2%	O	O	O	I	
	129	129	50,6%	50,6%	I	O	O	I	
	130	130	51,0%	51,0%	O	I	O	I	
	131	131	51,4%	51,4%	I	I	O	I	
	132	132	51,8%	51,8%	O	O	I	I	
	133	133	52,2%	52,2%	I	O	I	I	
	134	134	52,5%	52,5%	O	I	I	I	
	135	135	52,9%	52,9%	I	I	I	I	
	136	136	53,3%	53,3%	O	O	O	O	

EFFECT	DMX VALUE		DMX PERCENTAGE		PIXEL 1	PIXEL 2	PIXEL 3	PIXEL 4	DMX MODE
Individual Pixel Control (Strobe Blinders)	220	220	86,3%	86,3%	I	O	O	O	Simplified Standard Simplified Studio
	221	221	86,7%	86,7%	O	I	O	O	
	222	222	87,1%	87,1%	I	I	O	O	
	223	223	87,5%	87,5%	O	O	I	O	
	224	224	87,8%	87,8%	I	O	I	O	
	225	225	88,2%	88,2%	O	I	I	O	
	226	226	88,6%	88,6%	I	I	I	O	
	227	227	89,0%	89,0%	O	O	O	I	
	228	228	89,4%	89,4%	I	O	O	I	
	229	229	89,8%	89,8%	O	I	O	I	
	230	230	90,2%	90,2%	I	I	O	I	
	231	231	90,6%	90,6%	O	O	I	I	
	232	232	91,0%	91,0%	I	O	I	I	
	233	233	91,4%	91,4%	O	I	I	I	
	234	234	91,8%	91,8%	I	I	I	I	
235	235	92,2%	92,2%	O	O	O	O		

EFFECT	DMX VALUE		DMX PERCENTAGE		PIXEL 1/3	PIXEL 2/4	DMX MODE
Individual Pixel Control (Strobe Blinders)	220	220	86,3%	86,3%	I	O	Standard+ Extended Extended+ Studio
	221	221	86,7%	86,7%	O	I	
	222	222	87,1%	87,1%	I	I	
	223	223	87,5%	87,5%	O	O	



SGM LIGHT A/S

Sommervej 23

8210 Aarhus V

Denmark

Tel: +45 70 20 74 00

info@sgmlight.com

www.sgmlight.com