

RELATION PROTEUS RAYZOR BLADE S DMX TRAITS: MAIN FIXTURE

Features subject to change without notice								
FIXTURE CONTROL PART/NAME	MODE/CHANNEL				VALUE	FUNCTION	FADE STATUS	DEFAULT
	STANDARD 28CH	PIXEL 50CH	PIXEL PLUS 82CH	EXTENDED 106CH				
MAIN	1	1		1	0-255	Tilt Movement	Fade	127
	2	2		2	0-255	Tilt Fine Fine Movement	Fade	127
	3	3		3	0-10 11-171 172-255	CTC Disabled Color Temperature 2000K to 10000K 10000K	Face	0
	4	4	4	4	0-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74 75-79 80-84 85-89 90-94 95-99 100-104 105-109 110-114 115-119 120-124 125-129 130-134 135-139 140-144 145-149 150-154 155-159 160-164 165-169 170-174 175-179	Color Wheel Open Red Red Orange Light Amber Yellow Amber Greenish Yellow Light Yellow Green Dark Yellow Green Green Teal Cyan Light Blue Aqua Dark Aqua Green Blue Light Lavender Dark Purple Medium Purple Mid Rose Mauve Nice Magenta Warm Magenta Light Red Straw Dark CTB Light Green Purple Lighter Purple Pink Rose White TBD TBD TBD Open	Snap	0
					180-201 202-207 208-229 230-234	Color Scroll Clockwise,fast → slow Stop Counter-clockwise,slow → fast Open		
					235-239 240-244 245-249 250-255	Random Slots Fast Medium Slow Open		

DMX TRAITS: MAIN FIXTURE

Features subject to change without notice

MODE/CHANNEL					VALUE	FUNCTION	FADE STATUS	DEFAULT
FIXTURE CONTROL PART/ NAME	STANDARD 28CH	PIXEL 50CH	PIXEL PLUS 82CH	EXTENDED 106CH				
MAIN	5	5	5	5		Strobe	Snap	50
					0-31	Shutter closed		
					32-63	Shutter open		
					64-95	Strobe (slow → fast) 0.289-16.67 Hz		
					96-127	Fast Close, Slow Open		
					128-159	Fast Open, Slow Close		
					160-191	Pulse Effects		
					192-223	Random Strobe (slow → fast)		
	224-255	Shutter open						
	6	6	6	6		Dimmer	Fade	0
					0-255	0 → 100%		
	7	7	7	7		Dimmer Fine	Fade	0
					0-255	Fine Dimming		
						Dim Modes	Snap	0
					0-20	Standard		
					21-40	Stage		
					41-60	TV		
					61-80	Architectural		
					81-100	Theatre		
					101-120	Stage 2		
						Dimmer Delay Time		
					121	0s		
					122	0.1s		
					123	0.2s		
					124	0.3s		
					125	0.4s		
					126	0.5s		
					127	0.6s		
					128	0.7s		
					129	0.8s		
					130	0.9s		
					131	1.0s		
					132	1.5s		
					133	2.0s		
					134	3.0s		
					135	4.0s		
					136	5.0s		
					137	6.0s		
					138	7.0s		
					139	8.0s		
					140	9.0s		
					141	10s		
				142-255	Idle			
					Zoom	Fade	0	
				0-245	Zoom Wide → Narrow			
				246-255	Overdrive Min → Max			
		10	10	10		Zoom Fine	Fade	0
					0-255	Fine Zoom		
						Tilt Speed	Snap	0
					0-225	Max to Min speed		
					226-235	Blackout while moving		
		11	11	11				
					236-255	No function		

DMX TRAITS: MAIN FIXTURE

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MODE/CHANNEL					VALUE	FUNCTION	FADE STATUS	DEFAULT
FIXTURE CONTROL PART/ NAME	STANDARD 28CH	PIXEL 50CH	PIXEL PLUS 82CH	EXTENDED 106CH				
MAIN	10	12	12	12	Control		0	
					0-9	Idle		
					10-19	Pixel Order Normal		
					20-39	Pixel Order Inverse		
					40-44	Low Noise -Mute		
					45-49	Low Noise - Studio		
					50-59	Fan Control - Low		
					60-69	Fan Control - High		
					70-79	Fan Control - Auto (default)		
					80-84	Reset All		
					85-87	Reset Movement		
					88-91	Reset Zoom		
					92-100	Idle		
					100-168	Refresh Rate (Hz)		
					100	900		
					101	910		
					102	920		
					103	930		
					104	940		
					105	950		
					106	960		
					107	970		
					108	980		
					109	990		
					110	1000		
					111	1010		
					112	1020		
					113	1030		
					114	1040		
					115	1050		
					116	1060		
					117	1070		
					118	1080		
					119	1090		
					120	1100		
121	1110							
122	1120							
123	1130							
124	1140							
125	1150							
126	1160							
127	1170							
128	1180							
129	1190							
130	1200							
131	1210							
132	1220							
133	1230							
134	1240							
135	1250							

DMX TRAITS: MAIN FIXTURE

Features subject to change without notice

MODE/CHANNEL					VALUE	FUNCTION	FADE STATUS	DEFAULT	
FIXTURE CONTROL PART/ NAME	STANDARD 28CH	PIXEL 50CH	PIXEL PLUS 82CH	EXTENDED 106CH					
MAIN	10	12	12	12	136	1260		0	
					137	1270			
					138	1280			
					139	1290			
					140	1300			
					141	1310			
					142	1320			
					143	1330			
					144	1340			
					145	1350			
					146	1360			
					147	1370			
					148	1380			
					149	1390			
					150	1400			
					151	1410			
					152	1420			
					153	1430			
					154	1440			
					155	1450			
					156	1460			
					157	1470			
					158	1480			
					159	1490			
					160	1500			
					161	2500			
					162	4000			
					163	5000			
					164	6000			
					165	10000			
					166	15000			
					167	20000			
					168	25000			
					169-192	Idle			
					193-194	Hibernate Fixture			
					195-196	Hibernate Off			
					197-198	Sun Protection Position			
					199-200	Sun Protection Off			
					201-210	Dimmer Curve Linear			
					211-220	Dimmer Curve Square			
221-230	Dimmer Curve Inverse Square								
231-240	Dimmer Curve S-Curve (default)								
241-249	Idle								
250-251	Display off								
252-253	Display on								
254-255	Idle								

DMX TRAITS: MAIN FIXTURE

Features subject to change without notice								
MODE/CHANNEL					VALUE	FUNCTION	FADE STATUS	DEFAULT
FIXTURE CONTROL PART/ NAME	STANDARD 28CH	PIXEL 50CH	PIXEL PLUS 82CH	EXTENDED 106CH				
MAIN	11	13	13	13		RGBW FX (see table)	Snap	0
					0-255	FX Selection 1-255		
	12	14	14	14		RGBW FX Speed	Fade	160
					0-126	Rev Fast → Slow		
					127-128	Stop		
					129-255	Slow → Fast		
	13	15	15	15		FX Offset	Snap	0
					0	Idle		
					1	Fixture Offset 10 Degree		
					2	Fixture Offset 20 Degree		
					3-34	Fixture Offset...		
					35	Fixture Offset 350 Degree		
					36	Synchronized		
					37-100	No Function		
					101-120	Random Fixture Offset		
121-140	Random Pixel Order							
141-255	Random Steps							

DMX TRAITS: RGB PIXEL FX TABLE

Features subject to change without notice

MODE/CHANNEL					VALUE	FUNCTION	FADE STATUS	DEFAULT
FIXTURE CONTROL PART/ NAME	STANDARD 28CH	PIXEL 50CH	PIXEL PLUS 82CH	EXTENDED 106CH				
MAIN or Pixel 1	14	16	16	16	0-255	Red 0 → 100%	Fade	255
	15	17	17	17	0-255	Green 0 → 100%	Fade	255
	16	18	18	18	0-255	Blue 0 → 100%	Fade	255
	17	19	19	19	0-255	White 0 → 100%	Fade	255
Pixel 2		20	20	20	0-255	Red 2 0 → 100%	Fade	255
		21	21	21	0-255	Green 2 0 → 100%	Fade	255
		22	22	22	0-255	Blue 2 0 → 100%	Fade	255
		23	23	23	0-255	White 2 0 → 100%	Fade	255
Pixel 3		24	24	24	0-255	Red 3 0 → 100%	Fade	255
		25	25	25	0-255	Green 3 0 → 100%	Fade	255
		26	26	26	0-255	Blue 3 0 → 100%	Fade	255
		27	27	27	0-255	White 3 0 → 100%	Fade	255
Pixel 4		28	28	28	0-255	Red 4 0 → 100%	Fade	255
		29	29	29	0-255	Green 4 0 → 100%	Fade	255
		30	30	30	0-255	Blue 4 0 → 100%	Fade	255
		31	31	31	0-255	White 4 0 → 100%	Fade	255
Pixel 5		32	32	32	0-255	Red 5 0 → 100%	Fade	255
		33	33	33	0-255	Green 5 0 → 100%	Fade	255
		34	34	34	0-255	Blue 5 0 → 100%	Fade	255
		35	35	35	0-255	White 5 0 → 100%	Fade	255
Pixel 6		36	36	36	0-255	Red 6 0 → 100%	Fade	255
		37	37	37	0-255	Green 6 0 → 100%	Fade	255
		38	38	38	0-255	Blue 6 0 → 100%	Fade	255
		39	39	39	0-255	White 6 0 → 100%	Fade	255

DMX TRAITS: STROBELINE

Features subject to change without notice								
FIXTURE CONTROL PART/ NAME	MODE/CHANNEL				VALUE	FUNCTION	FADE STATUS	DEFAULT
	STANDARD 28CH	PIXEL 50CH	PIXEL PLUS 82CH	EXTENDED 106CH				
StrobeLine	18	40	40	40		Strobe	Snap	50
					0-31	Shutter closed		
					32-63	Shutter open		
					64-95	Strobe (slow → fast) 0.289 - 16.67 Hz		
					96-127	Fast Close, Slow Open		
					128-159	Fast Open, Slow Close		
					160-191	Pulse Effects		
					192-222	Random Strobe ALL (slow → fast)		
	224-254	Random Strobe Pixels (slow → fast)						
	255	Sync Dim and Strobe with Main						
	19	41	41	41		Dimmer	Fade	0
					0-255	0 → 100%		
	20	42	42	42		Dimmer Fine	Fade	0
					0-255	Fine Dimming		
	21	43	43	43		Duration	Fade	0
					0-255	7-650ms		
	22	44	44	44		StrobeLine FX (see table)	Snap	0
					0-249	FX Selection 1 -249		
					250-255	Idle		
	23	45	45	45		StrobeLine FX Speed	Fade	160
0 - 126					Rev Fast → Slow			
127 - 128					Stop			
129 - 255					Slow → Fast			
Strobe 1			46	46		Dimmer 1	Fade	255
					0-255	0 → 100%		
Strobe 2			47	47		Dimmer 2	Fade	255
					0-255	0 → 100%		
Strobe 3			48	48		Dimmer 3	Fade	255
					0-255	0 → 100%		
Strobe 4			49	49		Dimmer 4	Fade	255
					0-255	0 → 100%		
Strobe 5			50	50		Dimmer 5	Fade	255
					0-255	0 → 100%		
Strobe 6			51	51		Dimmer 6	Fade	255
					0-255	0 → 100%		
Strobe 7			52	52		Dimmer 7	Fade	255
					0-255	0 → 100%		
Strobe 8			53	53		Dimmer 8	Fade	255
					0-255	0 → 100%		
Strobe 9			54	54		Dimmer 9	Fade	255
					0-255	0 → 100%		
Strobe 10			55	55		Dimmer 10	Fade	255
					0-255	0 → 100%		
Strobe 11			56	56		Dimmer 11	Fade	255
					0-255	0 → 100%		
Strobe 12			57	57		Dimmer 12	Fade	255
					0-255	0 → 100%		
Strobe 13			58	58		Dimmer 13	Fade	255
					0-255	0 → 100%		
Strobe 14			59	59		Dimmer 14	Fade	255
					0-255	0 → 100%		
Strobe 15			60	60		Dimmer 15	Fade	255
					0-255	0 → 100%		
						...		
Strobe 32			77	77		Dimmer 32	Fade	255
					0-255	0 → 100%		

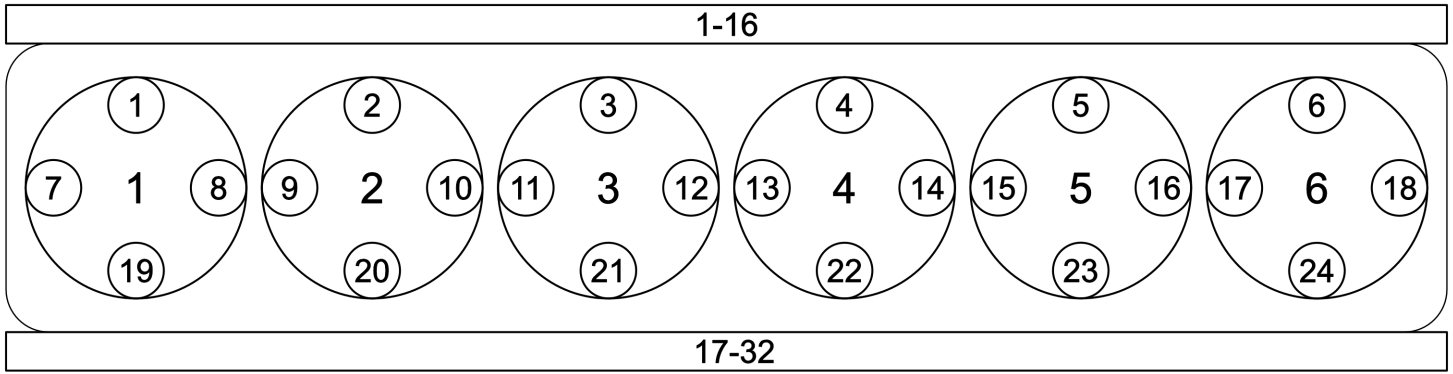
DMX TRAITS: SPARKLED

Features subject to change without notice								
FIXTURE CONTROL PART/ NAME	MODE/CHANNEL				VALUE	FUNCTION	FADE STATUS	DEFAULT
	STANDARD 28CH	PIXEL 50CH	PIXEL PLUS 82CH	EXTENDED 106CH				
SparkLED	24	46	78	78		Strobe	Snap	50
					0-31	Shutter closed		
					32-63	Shutter open		
					64-95	Strobe (slow → fast) 0.289-16.67 Hz		
					96-127	Fast Close, Slow Open		
					128-159	Fast Open, Slow Close		
					160-191	Pulse Effects		
					192-222	Random Strobe ALL (slow → fast)		
	224-254	Random Strobe Pixels (slow → fast)						
	255	Sync Dim and Strobe with Main						
	25	47	79	79		Dimmer	Fade	0
					0-255	0 → 100%		
	26	48	80	80		Dimmer Fine	Fade	0
					0-255	Fine Dimming		
	27	49	81	81		SparkLED FX (see table)	Snap	0
					0-255	FX Selection 1 -255		
28	50	82	82		SparkLED FX Speed	Fade	160	
				0-126	Rev Fast → Slow			
				127-128	Stop			
				129-255	Slow → Fast			
LED 1				83		Dimmer 1	Fade	255
					0-255	0 → 100%		
LED 2				84		Dimmer 2	Fade	255
					0-255	0 → 100%		
LED 3				85		Dimmer 3	Fade	255
					0-255	0 → 100%		
LED 4				86		Dimmer 4	Fade	255
					0-255	0 → 100%		
LED 5				87		Dimmer 5	Fade	255
					0-255	0 → 100%		
LED 6				88		Dimmer 6	Fade	255
					0-255	0 → 100%		
LED 7				89		Dimmer 7	Fade	255
					0-255	0 → 100%		
LED 8				90		Dimmer 8	Fade	255
					0-255	0 → 100%		
LED 9				91		Dimmer 9	Fade	255
					0-255	0 → 100%		
LED 10				92		Dimmer 10	Fade	255
					0-255	0 → 100%		
LED 11				93		Dimmer 11	Fade	255
					0-255	0 → 100%		
LED 12				94		Dimmer 12	Fade	255
					0-255	0 → 100%		
LED 13				95		Dimmer 13	Fade	255
					0-255	0 → 100%		
LED 14				96		Dimmer 14	Fade	255
					0-255	0 → 100%		
LED 15				97		Dimmer 15	Fade	255
					0-255	0 → 100%		
						...		
LED 24				106		Dimmer 24	Fade	255
					0-255	0 → 100%		

DMX TRAITS: COLOR TEMPERATURE

Color Temperature	DMX	Color Temperature	DMX	Color Temperature	DMX
2000	11	4700	65	7400	119
2050	12	4750	66	7450	120
2100	13	4800	67	7500	121
2150	14	4850	68	7550	122
2200	15	4900	69	7600	123
2250	16	4950	70	7650	124
2300	17	5000	71	7700	125
2350	18	5050	72	7750	126
2400	19	5100	73	7800	127
2450	20	5150	74	7850	128
2500	21	5200	75	7900	129
2550	22	5250	76	7950	130
2600	23	5300	77	8000	131
2650	24	5350	78	8050	132
2700	25	5400	79	8100	133
2750	26	5450	80	8150	134
2800	27	5500	81	8200	135
2850	28	5550	82	8250	136
2900	29	5600	83	8300	137
2950	30	5650	84	8350	138
3000	31	5700	85	8400	139
3050	32	5750	86	8450	140
3100	33	5800	87	8500	141
3150	34	5850	88	8550	142
3200	35	5900	89	8600	143
3250	36	5950	90	8650	144
3300	37	6000	91	8700	145
3350	38	6050	92	8750	146
3400	39	6100	93	8800	147
3450	40	6150	94	8850	148
3500	41	6200	95	8900	149
3550	42	6250	96	8950	150
3600	43	6300	97	9000	151
3650	44	6350	98	9050	152
3700	45	6400	99	9100	153
3750	46	6450	100	9150	154
3800	47	6500	101	9200	155
3850	48	6550	102	9250	156
3900	49	6600	103	9300	157
3950	50	6650	104	9350	158
4000	51	6700	105	9400	159
4050	52	6750	106	9450	160
4100	53	6800	107	9500	161
4150	54	6850	108	9550	162
4200	55	6900	109	9600	163
4250	56	6950	110	9650	164
4300	57	7000	111	9700	165
4350	58	7050	112	9750	166
4400	59	7100	113	9800	167
4450	60	7150	114	9850	168
4500	61	7200	115	9900	169
4550	62	7250	116	9950	170
4600	63	7300	117	10000	171
4650	64	7350	118		

PIXEL LAYOUTS



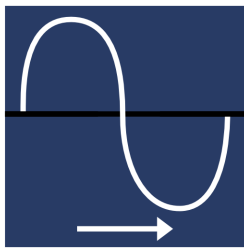
SparkLEDs
 Row 1: 1-6
 Row 2: 7-18
 Row 3: 19-24

StrobeLine
 Row 1: 1-16
 Row 2: 17-32

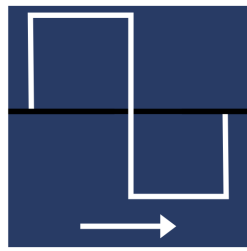
SparkLEDs																		
Column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	7	1+19	8	9	2+20	10	11	3+21	12	13	4+22	14	15	5+23	16	17	6+24	18
Lenses	1			2			3			4			5			6		
	1+7+8+19			2+9+10+20			3+11+12+21			4+13+14+22			5+15+16+23			6+17+18+24		

Strobelines																
Column	1+17	2+18	3+19	4+20	5+21	6+22	7+23	8+24	9+25	10+26	11+27	12+28	13+29	14+30	15+31	16+32
Quarters	1-8	9-16	17-24	25-32												
Pixel Order Normal	→															
Pixel Order Inverse	←															

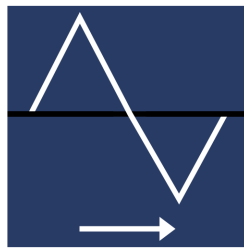
RGBW PIXEL FX TABLE



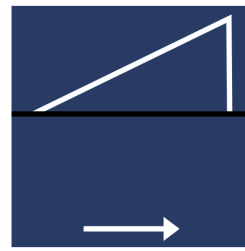
Sine Wave



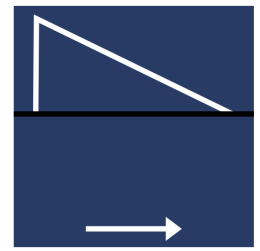
Step Wave (Square)



Sawtooth Wave



Ramp Up Wave



Ramp Down Wave

Features subject to change without notice

TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
Waveform	1	1	Sinewave-Cross (default)		In and Out fade start at the same time
	2	2	Sinewave-Full		In fade completes, then out fade completes
	3	3	Sawtooth-Cross		In and Out fade start at the same time
	4	4	Sawtooth-Full		In fade completes, then out fade completes
	5	5	Ramp Up		
	6	6	Ramp Down		
	7	7	Steps		
	8	8			
	9	9			
	10	10			
Intensity	11	11	Single	Reverse, Stop, Forward	1,2,3,4,5,6
	12	12	Single Bounce	Reverse, Stop, Forward	1,2,3,4,5,6,5,4,3,2
	13	13	2 Pixels	Reverse, Stop, Forward	Any two random pixels per step
	14	14	3 Pixels	Reverse, Stop, Forward	Any three random pixels per step
	15	15	1,2,3 pixels	Reverse, Stop, Forward	Pick randomly 1, then 2, then 3 pixels
	16	16			
	17	17			
	18	18			
	19	19			
	20	20	Alternate SparkLED	Reverse, Stop, Forward	Alternate evenly (tick/tock/tick/tock) between RGBW Pixel at Full and SparkLEDs @Full. Keep all colors strobes, intensities as set by DMX.
	21	21	Burst SparkLED	Reverse, Stop, Forward	Toggles between RGBW Pixel at Full (long on) and SparkLEDs @Full (short flash). Keep all colors strobes, intensities as set by DMX.
	22	22	Alternate SparkLED 2	Reverse, Stop, Forward	Strobes between RGBW Pixel at Full (short, then off) and SparkLEDs @Full (short, then off). Keep all colors strobes, intensities as set by DMX.
	23	23	Burst RGBW	Reverse, Stop, Forward	Toggles between RGBW Pixel at Full (short flash) and SparkLEDs @Full (long on). Keep all colors strobes, intensities as set by DMX.
	24	24	Lens/SparkLED alternate	Reverse, Stop, Forward	Random Lens @ Full, then different Random Strobe section of 4pixels @ Full. Keep all colors strobes, intensities as set by DMX.
	25	25	Alternate StrobeLED	Reverse, Stop, Forward	Alternate evenly (tick/tock/tick/tock) between RGBW Pixel at Full and Strobeline @Full. Keep all colors strobes, intensities as set by DMX.
	26	26	Burst StrobeLED	Reverse, Stop, Forward	Toggles between RGBW Pixel at Full (long on) and Strobeline @Full (short flash). Keep all colors strobes, intensities as set by DMX.
	27	27	Alternate StrobeLED 2	Reverse, Stop, Forward	Strobes between RGBW Pixel at Full (short, then off) and Strobelines @Full (short, then off). Keep all colors strobes, intensities as set by DMX.
	28	28	Burst RGBW	Reverse, Stop, Forward	Toggles between RGBW Pixel at Full (short flash) and Strobelines @Full (long on). Keep all colors strobes, intensities as set by DMX.
	29	29			
	30	30			

RGBW PIXEL FX TABLE

Features subject to change without notice					
TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
Intensity	31	31			
	32	32			
	33	33			
	34	34			
	35	35			
	36	36			
	37	37			
	38	38			
	39	39			
	40	40			
	41	41			
	42	42			
	43	43			
	44	44			
	45	45			
	46	46			
	47	47			
	48	48			
	49	49			
	50	50			
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	61	61			
	62	62			
	63	63			
	64	64			
	65	65			
	66	66			
	67	67			
	68	68			
	69	69			
	70	70			
	71	71			
	72	72			
	73	73			
	74	74			
	75	75			

RGBW PIXEL FX TABLE

Features subject to change without notice					
TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
Intensity	76	76			
	77	77			
	78	78			
	79	79			
	80	80			
	81	81			
	85	85			
	86	86			
	87	87			
	88	88			
	89	89			
	90	90			
	91	91			
	92	92			
	93	93			
	94	94			
	95	95			
	96	96			
	97	97			
	98	98			
99	99				
100	100				
Color	101	101	RGBW Cells	Reverse, Stop, Forward	Every Pixel Randomly picks a Red, Green, Blue or White on every step
	102	102	RGBWCMY Cells	Reverse, Stop, Forward	Every Pixel Randomly picks a Red, Green, Blue, White, Cyan, Magenta, Yellow on every step
	103	103	Color Wheel Cells	Reverse, Stop, Forward	Every Pixel Randomly picks a color from the color wheel on every step
	104	104	Red White Cells	Reverse, Stop, Forward	Every Cell Randomly picks White or Red on every Step
	105	105	Green White Cells	Reverse, Stop, Forward	Every Cell Randomly picks White or Green on every Step
	106	106	Blue White Cells	Reverse, Stop, Forward	Every Cell Randomly picks White or Blue on every Step
	107	107	Red Green Cells	Reverse, Stop, Forward	Every Cell Randomly picks Red or Green on every Step
	108	108	Red Blue Cells	Reverse, Stop, Forward	Every Cell Randomly picks Red or Blue on every Step
	109	109	Blue Green Cells	Reverse, Stop, Forward	Every Cell Randomly picks Blue or Green on every Step
	110	110	Random White Cell	Reverse, Stop, Forward	RGBW @ Full randomly is set to one cell at a time over the currently mixed color
	111	111	White Flash	Reverse, Stop, Forward	RGBW @ Full flashes once over the current mixed color on all Cells
	112	112	Red Flash	Reverse, Stop, Forward	Red @ Full flashes once over the current mixed color on all Cells
	113	113	Green Flash	Reverse, Stop, Forward	Green @ Full flashes once over the current mixed color on all Cells
	114	114	Blue Flash	Reverse, Stop, Forward	Blue @ Full flashes once over the current mixed color on all Cells
	115	115	Color Wheel Flash	Reverse, Stop, Forward	Current Color Wheel Color @ Full flashes once over the current mixed color on all Cells
	116	116	Alternate Color	Reverse, Stop, Forward	Alternates between mixed color and Color Wheel Color on all cells
	117	117			
	118	118			
	119	119			
	120	120			
	121	121			
	123	123			
	124	124			
	125	125			

RGBW PIXEL FX TABLE

Features subject to change without notice

TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
Colors	126	126			
	127	127			
	128	128			
	129	129			
	130	130			
	131	131			
	132	132			
	133	133			
	134	134			
	135	135			
	136	136			
	137	137			
	138	138			
	139	139			
	140	140			
	141	141			
	142	142			
	143	143			
	144	144			
	145	145			
	146	146			
	147	147			
	148	148			
	149	149			
	150	150			
	151	151			
	152	152			
	153	153			
	154	154			
	155	155			
	156	156			
	157	157			
	158	158			
	159	159			
	160	160			
	161	161			
	162	162			
	163	163			
	164	164			
	165	165			
	166	166			
	167	167			
	168	168			
	169	169			
	170	170			

RGBW PIXEL FX TABLE

Features subject to change without notice

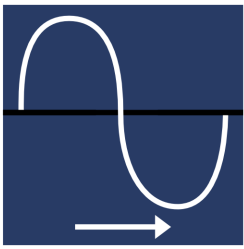
TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
Colors	171	171			
	172	172			
	173	173			
	174	174			
	175	175			
	176	176			
	177	177			
	178	178			
	179	179			
	180	180			
	181	181			
	182	182			
	183	183			
	184	184			
	185	185			
	186	186			
	187	187			
	188	188			
	189	189			
	191	191			
	192	192			
	193	193			
	194	194			
	195	195			
	196	196			
	197	197			
	198	198			
	199	199			
	200	200			
	201	201			
	202	202			
	203	203			
	204	204			
	205	205			
206	206				
207	207				
208	208				
209	209				
210	210				
211	211				
212	212				
213	213				
214	214				
215	215				
216	216				
217	217				
218	218				
219	219				
220	220				

RGBW PIXEL FX TABLE

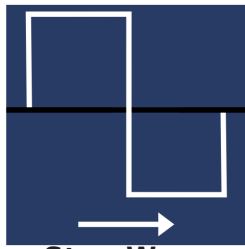
Features subject to change without notice

TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
Colors	221	221			
	222	222			
	223	223			
	224	224			
	225	225			
	226	226			
	227	227			
	228	228			
	229	229			
	230	230			
	231	231			
	232	232			
	233	233			
	234	234			
	235	235			
	236	236			
	237	237			
	238	238			
	239	239			
	240	240			
	241	241			
	242	242			
	243	243			
	244	244			
	245	245			
	246	246			
	247	247			
	248	248			
	249	249			
	250	250			
	251	251			
	252	252			
	253	253			
	254	254			
	255	255			

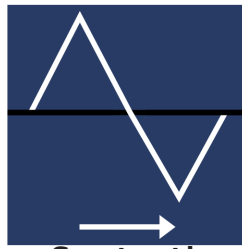
SPARKLED FX TABLE



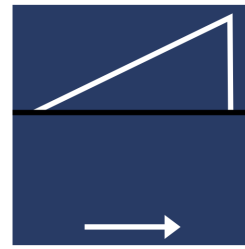
Sine Wave



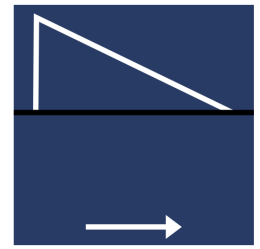
Step Wave (Square)



Sawtooth Wave



Ramp Up Wave



Ramp Down Wave

Features subject to change without notice

TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
Waveform	1	1	Sinewave-Cross (default)		In and Out fade start at the same time
	2	2	Sinewave-Full		In fade completes, then out fade completes
	3	3	Sawtooth-Cross		In and Out fade start at the same time
	4	4	Sawtooth-Full		In fade completes, then out fade completes
	5	5	Ramp Up		
	6	6	Ramp Down		
	7	7	Steps		
	8	8			
	9	9			
	10	10			
SparkLED FX	11	11	Starfield	Reverse, Stop, Forward	Pixels randomly go on and off with random lengths of on and off times
	12	12	1 Pixel	Reverse, Stop, Forward	Random 1 Pixel per step
	13	13	2 Pixels	Reverse, Stop, Forward	Random 2 Pixel per step
	14	14	3 Pixels	Reverse, Stop, Forward	Random 3 Pixel per step
	15	15	4 pixels	Reverse, Stop, Forward	Random 4 Pixel per step
	16	16	5 pixels	Reverse, Stop, Forward	Random 5 Pixel per step
	17	17	7 pixels	Reverse, Stop, Forward	Random 7 Pixel per step
	18	18	8 pixels	Reverse, Stop, Forward	Random 8 Pixel per step
	19	19	Single Row	Reverse, Stop, Forward	One single row per step
	20	20	Single Column	Reverse, Stop, Forward	Single column per step
	21	21	Build Cells	Reverse, Stop, Forward	Add 1 cell per step
	22	22	Pixel Ring Chase	Reverse, Stop, Forward	In every RGBW lens one Sparkled at a time. E.g. Lens 1, Sparkled 1, 8, 19, 7 at the same time Lens 2, 2, 10, 20, 9
	23	23	Pixel Row Chase	Reverse, Stop, Forward	In every RGBW pixel one Sparkled at a time. E.g. Lens 1, Sparkled 1, 3+4, 8 at the same time Lens 2, 2, 5+6, 10
	24	24	Pixel Ring Chase 2	Reverse, Stop, Forward	For one RGBW pixel after another turn on one SparkLeds per step, e.g. Lens 1, 1, 4, 8, 3, then Lens 2, 2, 6, 10, 5 etc...
	25	25	Center Out	Reverse, Stop, Forward	Turn on all Sparkleds in Lens 3+4, then step from the center out to the edge
	26	26	Fireworks	Reverse, Stop, Forward	Replicate an exploding firework rocket
	27	27	Ring	Reverse, Stop, Forward	
	28	28	Row	Reverse, Stop, Forward	
29	29	Snake	Reverse, Stop, Forward		
30	30				
31	31				
32	32				
33	33				
34	34				
35	35				
36	36				
37	37				
38	38				

SPARKLED FX TABLE

Features subject to change without notice					
TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
SparkLED FX	39	39			
	40	40			
	41	41			
	42	42			
	43	43			
	44	44			
	45	45			
	46	46			
	47	47			
	48	48			
	49	49			
	50	50			
	51	51			
	52	52			
	53	53			
	54	54			
	55	55			
	56	56			
	57	57			
	58	58			
	59	59			
	60	60			
	61	61			
	62	62			
	63	63			
	64	64			
	65	65			
	66	66			
	67	67			
	68	68			
	69	69			
	70	70			
71	71				
72	72				
73	73				
74	74				
75	75				
76	76				
77	77				
78	78				
79	79				
80	80				
81	81				
82	82				
83	83				
84	84				
85	85				
86	86				
87	87				
88	88				
89	89				
90	90				

SPARKLED FX TABLE

Features subject to change without notice

TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
SparkLED Lens Combos	91	91			
	92	92			
	93	93			
	94	94			
	95	95			
	96	96			
	97	97			
	98	98			
	99	99			
	100	100			
Full Lens Patterns (all SparkLED in the lens # turn on together)	101	101	Single	Reverse, Stop, Forward	1, 2, 3, 4, 5, 6
	102	102	Single Bounce	Reverse, Stop, Forward	1, 2, 3, 4, 5, 6, 5, 4, 3, 2
	103	103	Fill Row	Reverse, Stop, Forward	1, 1+2, 1+2+3, 1+2+3+4, 1+2+3+4+5, 1+2+3+4+5+6, 1+2+3+4+5, 1+2+3+4, 1+2+3, 1+2, 1
	104	104	2 Pixels	Reverse, Stop, Forward	Any two random pixels per step
	105	105	3 Pixels	Reverse, Stop, Forward	Any three random pixels per step
	106	106	4 Pixels	Reverse, Stop, Forward	Any four random pixels per step
	107	107	1,2,3 pixels	Reverse, Stop, Forward	Pick randomly 1, then 2, then 3 pixels
	108	108			
	109	109			
	110	110			
	111	111			
	112	112			
	113	113			
	114	114			
	115	115			
	116	116			
	117	117			
	118	118			
	119	119			
	120	120			
	121	121			
	122	122			
	123	123			
	124	124			
	125	125			
	126	126			
	127	127			
	128	128			
	129	129			
	130	130			
	131	131			
	132	132			
	133	133			
	134	134			
	135	135			
136	136				
137	137				
138	138				
139	139				
140	140				
141	141				
142	142				
143	143				
144	144				
145	145				

SPARKLED FX TABLE

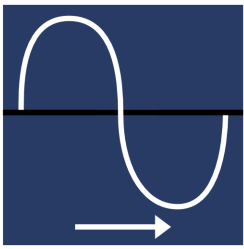
Features subject to change without notice

TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
Full Lens Patterns (all SparkLED in the lens # turn on together)	146	146			
	147	147			
	148	148			
	149	149			
	150	150			
	151	151	Out	disabled	1+6
	152	152	Mid	disabled	2+5
	153	153	Center	disabled	3+4
	154	154	Set 1	disabled	1+4
	155	155	Set 2	disabled	2+5
	156	156	Set 3	disabled	3+6
	157	157			
	158	158			
	159	159			
	160	160	Block 2-1	disabled	1+2
	161	161	Block 2-2	disabled	3+4
	162	162	Block 2-3	disabled	5+6
	163	163			
	164	164			
	165	165			
	166	166	Block 3-1	disabled	1+2+3
	167	167	Block 3-2	disabled	4+5+6
	168	168			
	169	169			
	170	170			
	171	171			
	172	172			
	173	173			
	174	174			
	175	175			
	176	176			
	177	177			
	178	178			
	179	179			
	180	180			
181	181				
182	182				
183	183				
184	184				
185	185				
186	186				
187	187				
188	188				
189	189				
191	191				
192	192				
193	193				
194	194				
195	195				
196	196				
197	197				
198	198				
199	199				
200	200				

SPARKLED FX TABLE

Features subject to change without notice					
TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
Sparkled Pattern	201	201	Row 1	disabled	
	202	202	Row 2	disabled	
	203	203	Row 3	disabled	
	204	204	Column 1	disabled	
	205	205	Column 2	disabled	
	206	206	Column 3	disabled	
	207	207	Column 4	disabled	
	208	208	Column 5	disabled	
	209	209	Column 6	disabled	
	210	210	Column 7	disabled	
	211	211	Column 8	disabled	
	212	212	Column 9	disabled	
	213	213	Column 10	disabled	
	214	214	Column 11	disabled	
	215	215	Column 12	disabled	
	216	216	Column 13	disabled	
	217	217	Column 14	disabled	
	218	218	Column 15	disabled	
	219	219	Column 16	disabled	
	220	220	Column 17	disabled	
	221	221	Column 18	disabled	
	222	222			
	223	223			
	224	224			
	225	225			
	226	226			
	227	227			
	228	228			
	229	229			
	230	230			
	231	231			
	232	232			
	233	233			
234	234				
235	235				
236	236				
237	237				
238	238				
239	239				
240	240	Lens 1	disabled		
241	241	Lens 2	disabled		
242	242	Lens 3	disabled		
243	243	Lens 4	disabled		
244	244	Lens 5	disabled		
245	245	Lens 6	disabled		
246	246				
247	247				
248	248				
249	249				
250	250				
251	251				
252	252				
253	253				
254	254				
255	255				

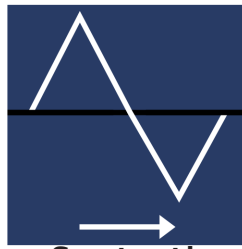
STROBELINE FX TABLE



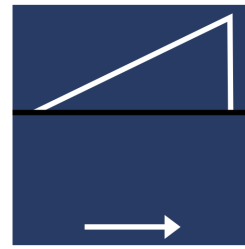
Sine Wave



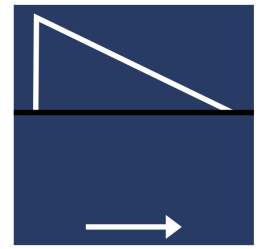
Step Wave
(Square)



Sawtooth
Wave



Ramp Up
Wave



Ramp Down
Wave

Features subject to change without notice

TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
Waveform	1	1	Sinewave-Cross (default)		In and Out fade start at the same time
	2	2	Sinewave-Full		In fade completes, then out fade completes
	3	3	Sawtooth-Cross		In and Out fade start at the same time
	4	4	Sawtooth-Full		In fade completes, then out fade completes
	5	5	Ramp Up		
	6	6	Ramp Down		
	7	7	Steps		
	8	8			
	9	9			
	10	10			
StrobeLineFX	11	11	Starfield	Reverse, Stop, Forward	Pixels randomly go on and off with random lengths of on and off times
	12	12	Inverse Starfield	Reverse, Stop, Forward	Pixels randomly go on and off with random lengths of on and off times
	13	13	1 Pixel	Reverse, Stop, Forward	Random 1 Pixel per step
	14	14	2 Pixels	Reverse, Stop, Forward	Random 2 Pixel per step
	15	15	3 Pixels	Reverse, Stop, Forward	Random 3 Pixel per step
	16	16	4 pixels	Reverse, Stop, Forward	Random 4 Pixel per step
	17	17	5 pixels	Reverse, Stop, Forward	Random 5 Pixel per step
	18	18	7 pixels	Reverse, Stop, Forward	Random 7 Pixel per step
	19	19	8 pixels	Reverse, Stop, Forward	Random 8 Pixel per step
	20	20	Single Row	Reverse, Stop, Forward	One single row per step
	21	21	Single Column	Reverse, Stop, Forward	Single column per step
	22	22	Mirror	Reverse, Stop, Forward	
	23	23	Mirror Circle	Reverse, Stop, Forward	
	24	24	Knight Rider	Reverse, Stop, Forward	
	25	25	Marque	Reverse, Stop, Forward	
	26	26	Center Out	Reverse, Stop, Forward	
	27	27	Fireworks	Reverse, Stop, Forward	Replicate an exploding firework rocket
	28	28	Ring	Reverse, Stop, Forward	
	29	29	Row	Reverse, Stop, Forward	
	30	30			
	31	31			
	32	32			
	33	33			
	34	34			
	35	35			
	36	36			
	37	37			
	38	38			
	39	39			
	40	40			

STROBELINE FX TABLE

Features subject to change without notice

TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
StrobelineFX	41	41			
	42	42			
	43	43			
	44	44			
	45	45			
	46	46			
	47	47			
	48	48			
	49	49			
	50	50			
	51	51			
	52	52			
	53	53			
	54	54			
	55	55			
	56	56			
	57	57			
	58	58			
	59	59			
	60	60			
	61	61			
	62	62			
	63	63			
	64	64			
	65	65			
	66	66			
	67	67			
	68	68			
	69	69			
	70	70			
71	71				
72	72				
73	73				
74	74				
75	75				
75	75				
76	76				
77	77				
78	78				
79	79				
80	80				
81	81				
82	82				
83	83				
84	84				
85	85				
86	86				
87	87				
88	88				
89	89				
90	90				

STROBELINE FX TABLE

Features subject to change without notice						
TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS	
StrobeLineFX	91	91				
	92	92				
	93	93				
	94	94				
	95	95				
	96	96				
	97	97				
	98	98				
	99	99				
	100	100				
	101	101		Single	Reverse, Stop, Forward	
	102	102		Single Top/Bottom	Reverse, Stop, Forward	Top Row chases first, then bottom row
	103	103		1/4	Reverse, Stop, Forward	
	104	104		1/4 Top/Bottom	Reverse, Stop, Forward	
	105	105		1/8	Reverse, Stop, Forward	
	106	106		1/8 Top-Bottom	Reverse, Stop, Forward	
	107	107		Single Bounce	Reverse, Stop, Forward	
	108	108		Fill Row	Reverse, Stop, Forward	
	109	109		1/4 Bounce	Reverse, Stop, Forward	
	110	110		1/4 Bounce Single	Reverse, Stop, Forward	
	111	111				
	112	112				
	113	113				
	114	114				
	115	115				
	116	116				
	117	117				
	118	118				
	119	119				
	120	120				
	121	121				
	122	122				
	123	123				
	124	124				
	125	125				
126	126					
127	127					
128	128					
129	129					
130	130					
131	131					
132	132					
133	133					
134	134					
135	135					
136	136					
137	137					
138	138					
139	139					
140	140					
141	141					
142	142					
143	143					
144	144					
145	145					

STROBELINE FX TABLE

Features subject to change without notice

TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
StrobeLineFX	146	146			
	147	147			
	148	148			
	149	149			
	150	150			
	151	151			
	152	152			
	153	153			
	154	154			
	155	155			
	146	146			
	147	147			
	148	148			
	149	149			
	150	150			
	151	151			
	152	152			
	153	153			
	154	154			
	155	155			
	156	156			
	157	157			
	158	158			
	159	159			
	160	160			
	161	161			
	162	162			
	163	163			
	164	164			
	165	165			
	166	166			
	167	167			
	168	168			
	169	169			
170	170				
171	171				
172	172				
173	173				
174	174				
175	175				
176	176				
177	177				
178	178				
179	179				
180	180				
181	181				
182	182				
183	183				
184	184				
185	185				
186	186				
187	187				
188	188				
189	189				
190	190				

STROBELINE FX TABLE

Features subject to change without notice

TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
StrobeLineFX	191	191			
	192	192			
	193	193			
	194	194			
	195	195			
	196	196			
	197	197			
	198	198			
	199	199			
	200	200			
StrobeLine Pattern	201	201	Row 1	disabled	
	202	202	Row 2	disabled	
	203	203	Quarter 1	disabled	
	204	204	Quarter 2	disabled	
	205	205	Quarter 3	disabled	
	206	206	Quarter 4	disabled	
	207	207	Column 1	disabled	
	208	208	Column 2	disabled	
	209	209	Column 3	disabled	
	210	210	Column 4	disabled	
	211	211	Column 5	disabled	
	212	212	Column 6	disabled	
	213	213	Column 7	disabled	
	214	214	Column 8	disabled	
	215	215	Column 9	disabled	
	216	216	Column 10	disabled	
	217	217	Column 11	disabled	
	218	218	Column 12	disabled	
	219	219	Column 13	disabled	
	220	220	Column 14	disabled	
	221	221	Column 15	disabled	
	222	222	Column 16	disabled	
	223	223	Lens 1	disabled	Strobe LEDs above and below the lens
	224	224	Lens 2	disabled	Strobe LEDs above and below the lens
	225	225	Lens 3	disabled	Strobe LEDs above and below the lens
	226	226	Lens 4	disabled	Strobe LEDs above and below the lens
	227	227	Lens 5	disabled	Strobe LEDs above and below the lens
	228	228	Lens 6	disabled	Strobe LEDs above and below the lens
	229	229			
	230	230			
	231	231			
	232	232			
	233	233			
	234	234			
	235	235			
	236	236			

STROBELINE FX TABLE

Features subject to change without notice					
TYPE	SLOT	DMX	NAME	FX ADJUSTMENT	NOTES/STEPS
Strobeline Pattern	237	237			
	238	238			
	239	239			
	240	240			
	241	241			
	242	242			
	243	243			
	244	244			
	245	245			
	246	246			
	247	247			
	248	248			
	249	249			
	250	250			
	251	251			
	252	252			
	253	253			
	254	254			
255	255				