

























































MODEL NO.: Helios								
Channel				name	function	Min DMX	Max DMX	
St	Ex	Ba8	Ba16					
1	1	1	1	Pan	Pan Coarse	0	255	
	2		2	Pan fine	Pan Fine	0	255	
2	3	2	3	Tilt	Tilt Coarse	0	255	
	4		4	Tilt fine	Tilt Fine	0	255	
3	5	3	5	Movement Speed	Fast to slow	0	255	
	6			Movement Function	Normal	0	15	
					Movement With Blackout	16	31	
					TBD	32	255	
4	7			Shutter Function	Normal Shutter Functions	0	15	
					Pulse-effect Forward	16	31	
					Pulse-effect Reverse	32	47	
					Random Strobe	48	63	
					TBD	64	255	
5	8			Shutter	Normal Shutter Functions			
					Close	0	31	
					Strobe Rate (slow to fast)	32	223	
					Open	224	255	
					Pulse-effect Forward			
					Close	0	31	
					Strobe Rate (slow to fast)	32	223	
					Open	224	255	
					Pulse-effect Reverse			
					Close	0	31	
					Strobe Rate (slow to fast)	32	223	
					Open	224	255	
					Random Strobe			
		Close	0	31				
		Strobe Rate (slow to fast)	32	223				
		Open	224	255				
		4	6	Shutter	Shutter closed	0	31	
					No function (shutter open)	32	63	
					Strobe effect slow to fast	64	95	
					No function (shutter open)	96	127	
					Pulse-effect in sequences	128	159	
					No function (shutter open)	160	191	
					Random strobe effect slow to fast	192	223	
					No function (shutter open)	224	255	
6	9	5	7	Dimmer	Dimmer(Close to Open)	0	255	
7	10			Color Function	Indexed	0	15	
					Indexed With Blackout	16	31	
					Forward Spin	32	47	
					Reverse Spin	48	63	
					Continuous	64	79	
					Color Bounce (slow to fast)	80	111	
					TBD	112	255	
				Indexed & Indexed With Blackout&Color Bounce				
				Position 1 (Open)	0	13		
				Position 2 half open plus half red	14	27		
				Position 3 red	28	41		

8	11		Color	Position 4	half red plus half blue	42	55
				Position 5	blue	56	69
				Position 6	half blue plus half green	70	83
				Position 7	green	84	97
				Position 8	half green plus half yellow	98	111
				Position 9	yellow	112	125
				Position 10	half yellow plus half pink	126	139
				Position 11	pink	140	153
				Position 12	half pink plus half light blue	154	167
				Position 13	light blue	168	181
				Position 14	half light blue plus half orange	182	195
				Position 15	orange	196	209
				Position 16	half orange plus half magenta	210	223
				Position 17	magenta	224	237
				Position 18	half magenta plus half open	238	255
				Forward Spin			
				Stop to fast		0	255
				Reverse Spin			
				Stop to fast		0	255
				Continuous			
				Positioning from 0-360 degrees		0	255
				Indexed			
				Position 1 (Open)		0	2
				Position 2	half open plus half red	3	5
				Position 3	red	6	8
Position 4	half red plus half blue	9	11				
Position 5	blue	12	14				
Position 6	half blue plus half green	15	17				
Position 7	green	18	20				
Position 8	half green plus half yellow	21	23				
Position 9	yellow	24	26				
Position 10	half yellow plus half pink	27	29				
Position 11	pink	30	32				
Position 12	half pink plus half light blue	33	35				
Position 13	light blue	36	38				
Position 14	half light blue plus half orange	39	41				
Position 15	orange	42	44				
Position 16	half orange plus half magenta	45	47				
Position 17	magenta	48	50				
Position 18	half magenta plus half open	51	53				
Indexed With Blackout							
Position 1 (Open)		54	56				
Position 2	half open plus half red	57	59				
Position 3	red	60	62				
Position 4	half red plus half blue	63	65				
Position 5	blue	66	68				
Position 6	half blue plus half green	69	71				
Position 7	green	72	74				
Position 8	half green plus half yellow	75	77				
Position 9	yellow	78	80				
Position 10	half yellow plus half pink	81	83				
Position 11	pink	84	86				
Position 12	half pink plus half light blue	87	89				
Position 13	light blue	90	92				
Position 14	half light blue plus half orange	93	95				
6	8		Color				

					Position 15	orange	96	98
					Position 16	half orange plus half magenta	99	101
					Position 17	magenta	102	104
					Position 18	half magenta plus half open	105	106
					Indexed With Bounce (slow to fast)			
					Position 1	open	107	119
					Position 2	red	120	132
					Position 3	blue	133	145
					Position 4	green	146	158
					Position 5	yellow	159	171
					Position 6	pink	172	184
					Position 7	light blue	185	197
					Position 8	orange	198	210
					Position 9	magenta	211	223
					Forward Wheel Spin			
					Stop to fast		224	239
					Reverse Wheel Spin			
					Stop to fast		240	255
9	12	7	9	Cyan	Cyan 0->100%		0	255
10	13	8	10	Magenta	Magenta 0->100%		0	255
11	14	9	11	Yellow	Yellow 0->100%		0	255
12	15	10	12	CTO	CTO 0->100%		0	255
13	16			Rot Gobo Function	Indexed		0	15
					Indexed With Blackout		16	31
					Forward Spin		32	47
					Reverse Spin		48	63
					Continuous		64	79
					Shake		80	95
					TBD		96	255
14	17			Rot Gobo	Indexed & Indexed With Blackout&Shake			
					Position 1 (Open)		0	31
					Position 2		32	63
					Position 3		64	95
					Position 4		96	127
					Position 5		128	159
					Position 6		160	191
					Position 7		192	223
					Position 8		224	255
					Forward Wheel Spin			
					Stop to fast		0	255
					Reverse Wheel Spin			
					Stop to fast		0	255
					Continuous			
Positioning from 0-360 degrees		0	255					
					Indexed			
					Position 1 (Open)		0	5
					Position 2		6	11

				Position 3		12	17
				Position 4		18	23
				Position 5		24	29
				Position 6		30	35
				Position 7		36	41
				Position 8		42	47
				Indexed With Blackout			
				Position 1 (Open)		48	53
				Position 2		54	59
				Position 3		60	65
				Position 4		66	71
				Position 5		72	77
		11	13	Position 6		78	83
				Position 7		84	89
				Position 8		90	95
				Indexed With Shake (slow to fast)			
				Position 1 (Open)		96	97
				Position 2		98	115
				Position 3		116	133
				Position 4		134	151
				Position 5		152	169
				Position 6		170	187
				Position 7		188	205
				Position 8		206	223
				Forward Wheel Spin			
				Stop to fast		224	239
				Reverse Wheel Spin			
				Stop to fast		240	255
15	18			Continuous		0	15
				Forward Spin		16	31
				Reverse Spin		32	47
				Forward Animate Rotate		48	63
				Forward Animate Rotate With Blackout		64	79
				Gobo Rot Function			

					Reverse Animate Rotate	80	95	
					Reverse Animate Rotate With Blackout	96	111	
					TBD	112	255	
16	19			Gobo Rot	Continuous			
					Positioning from 0-360 degrees	0	255	
					Forward Spin			
					Stop to fast	0	255	
					Reverse Spin			
					Stop to fast	0	255	
					Forward Animate Rotate & Forward Animate Rotate With Blackout			
					Slow to fast	0	255	
					Reverse Animate Rotate & Reverse Animate Rotate With Blackout			
					Slow to fast	0	255	
	12	14		Gobo Rot	Continuous			
					Positioning from 0-360 degrees	0	191	
					Forward Animate Rotate			
					Slow to fast	192	207	
					Reverse Animate Rotate			
					Slow to fast	208	223	
					Forward Spin			
					Stop to fast	224	239	
					Reverse Spin			
					Stop to fast	240	255	
17	20			Gobo Function	Indexed	0	15	
					Indexed With Blackout	16	31	
					Forward Spin	32	47	
					Reverse Spin	48	63	
					Continuous	64	79	
					Shake	80	95	
					TBD	96	255	
18	21			Fixed Gobo	Indexed & Indexed With Blackout&Shake			
					Position 1 (Open)	0	31	
					Position 2		32	63
					Position 3		64	95
					Position 4		96	127
					Position 5		128	159
					Position 6		160	191
					Position 7		192	223
					Position 8		224	255
					Forward Wheel Spin			
					Stop to fast	0	255	
					Reverse Wheel Spin			
					Stop to fast	0	255	
					Continuous			
					Positioning from 0-360 degrees	0	255	
					Indexed			
					Position 1 (Open)	0	5	

					Position 2		6	11
					Position 3		12	17
					Position 4		18	23
					Position 5		24	29
					Position 6		30	35
					Position 7		36	41
					Position 8		42	47
					Indexed With Blackout			
					Position 1 (Open)		48	53
					Position 2		54	59
					Position 3		60	65
					Position 4		66	71
					Position 5		72	77
					Position 6		78	83
					Position 7		84	89
					Position 8		90	95
					Indexed With Shake (slow to fast)			
					Position 1 (Open)		96	97
					Position 2		98	115
					Position 3		116	133
					Position 4		134	151
					Position 5		152	169
					Position 6		170	187
					Position 7		188	205
					Position 8		206	223
					Forward Wheel Spin			
					Stop to fast		224	239
					Reverse Wheel Spin			
					Stop to fast		240	255
					Indexed & Indexed With Blackout			
19	22	14	16	Prism	Position 1 (Open)		0	63
					Position 2 (Circular 3)		64	127
					Frost 0->100%		128	255

20	23	15	17	Prism Rot	Forward Spin		
					Stop to fast	0	127
					Reverse Spin		
21	24			Focus Function	Stop to fast	128	255
					Continuous	0	15
					5m Auto Focus	16	31
					7.5m Auto Focus	32	47
					10m Auto Focus	48	63
					15m Auto Focus	64	79
					>20m Auto Focus	80	95
TBD	96	255					
22	25	16	18	Focus	Continuous		
					Focus In to Focus Out	0	255
					Auto Focus		
23	26	17	19	Zoom	Focus In to Focus Out Fine	0	255
					Continuous		
24	27			Iris Function	Zoom Small to Big	0	255
					Indexed	0	15
					Pulse opening With Forward Blackout	16	31
					Pulse opening With Reverse Blackout	32	47
					Pulse closing With Forward Blackout	48	63
					Pulse closing With Reverse Blackout	64	79
TBD	80	255					
25	28			Iris	Indexed		
					Max. diameter to Min.diameter	0	255
					Pulse opening & Pulse closing		
		18	20	Iris	Pulse Slow to Fast	0	255
					Indexed	0	191
					Pulse opening With Forward Blackout	192	207
					Pulse opening With Reverse Blackout	208	223
					Pulse closing With Forward Blackout	224	239
Pulse closing With Reverse Blackout	240	255					
26	29	19	21	Control	Normal	0	7
					Reset All	8	15
					Pan&Tilt Reset	16	23
					Color Reset	24	31
					Gobo Reset	32	39
					TBD	40	47
					Other Reset	48	55
					Display Off	56	63
					Display On	64	71
					TBD	72	79
					TBD	80	87
					Hibernation	88	95
TBD	96	255					