

## 41 Channels (Mode 1):

CHANNEL	VALUE	FUNCTION
1	000-255	PAN 1 0°→59°
2	000-255	PAN 1 FINE
3	000-255	TILT 1 0°→221°
4	000-255	TILT 1 FINE
5	000-255	ZOOM 1 Wide→Narrow
6	000-255	PAN 2 0°→59°
7	000-255	PAN 2 FINE
8	000-255	TILT 2 0°→221°
9	000-255	TILT 2 FINE
10	000-255	ZOOM 2 Wide→Narrow
11	000-255	PAN 3 0°→59°
12	000-255	PAN 3 FINE
13	000-255	TILT 3 0°→221°
14	000-255	TILT 3 FINE
15	000-255	ZOOM 3 Wide→Narrow
16	000-255	PAN 4 0°→59°
17	000-255	PAN 4 FINE
18	000-255	TILT 4 0°→221°
19	000-255	TILT 4 FINE
20	000-255	ZOOM 4 Wide→Narrow
21	000-255	PAN 5 0°→59°

22	000-255	PAN 5 FINE
23	000-255	TILT 5 0°→221°
24	000-255	TILT 5 FINE
25	000-255	ZOOM 5 Wide→Narrow
26	000-255	LED RED 0%→100%
27	000-255	LED GREEN 0%→100%
28	000-255	LED BLUE 0%→100%
29	000-255	LED LIME 0%→100%
30	000	LED CCT Null
	001-004	8000K
	005-009	7900K
	010-013	7800K
	014-018	7700K
	019-022	7600K
	023-027	7500K
	028-031	7400K
	032-036	7300K
	037-040	7200K
	041-045	7100K
	046-049	7000K
	050-054	6900K
	055-058	6800K
	059-063	6700K
	064-067	6600K
	068-072	6500K
	073-076	6400K
	077-081	6300K
	082-085	6200K
086-090	6100K	
091-094	6000K	
095-099	5900K	
100-103	5800K	
104-108	5700K	
109-112	5600K	
113-117	5500K	

	118-121	5400K
	122-126	5300K
	127-130	5200K
	131-135	5100K
	136-139	5000K
	140-144	4900K
	145-148	4800K
	149-153	4700K
	154-157	4600K
	158-162	4500K
	163-166	4400K
	167-171	4300K
	172-175	4200K
	176-180	4100K
	181-184	4000K
	185-189	3900K
	190-193	3800K
	194-198	3700K
	199-202	3600K
	203-207	3500K
	208-211	3400K
	212-216	3300K
	217-220	3200K
	221-225	3100K
	226-229	3000K
	230-234	2900K
	235-238	2800K
	239-243	2700K
	244-247	2600K
	248-255	2500K
		<b>LED COLOR</b>
	000-009	Null
	010-016	LEE 790 – Moroccan Pink
	017-023	LEE 157 – Pink
	024-030	LEE 332 – Special Rose Pink
	031-037	LEE 328 – Follies Pink
	038-044	LEE 345 – Fuchsia Pink
	045-051	LEE 194 – Surprise Pink
	052-058	LEE 181 – Congo Blue
	059-065	LEE 071 – Tokyo Blue
	066-072	LEE 120 – Deep Blue
	073-079	LEE 079 – Just Blue
	080-086	LEE 132 – Medium Blue
	087-093	LEE 200 – Double CT Blue
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	094-100 101-107 108-114 115-121 122-128 129-135 136-142 143-149 150-156 157-163 164-170 171-177 178-184 185-191 192-198 199-205 206-212 213-219 220-226 227-233 234-255	LEE 161 – State Blue LEE 201 – Full CT Blue LEE 202 – Half CT Blue LEE 117 – Steel Blue LEE 353 – Lighter Blue LEE 118 – Light Blue LEE 116 – Medium Blue Green LEE 124 – Dark Green LEE 139 – Primary Green LEE 089 – Moss Green LEE 122 – Fern Green LEE 738 – JAS Green LEE 088 – Lime Green LEE 100 – Spring Yellow LEE 104 – Deep Amber LEE 179 – Chrome Orange LEE 105 – Orange LEE 021 – Gold Amber LEE 778 – Millennium Gold LEE 135 – Deep Gold Amber LEE 164 – Flame Red
32	000-255	<b>RING RED</b> 0%→100%
33	000-255	<b>RING GREEN</b> 0%→100%
34	000-255	<b>RING BLUE</b> 0%→100%
35	000-015 016-031 032-047 048-063 064-079 080-095 096-111 112-127 128-143 144-159 160-175 176-191 192-207 208-223 224-239 240-255	<b>RING MACRO EFFECT &amp; SPEED</b> Null Macro Effect 1, Fast to Slow Macro Effect 2, Fast to Slow Macro Effect 3, Fast to Slow Macro Effect 4, Fast to Slow Macro Effect 5, Fast to Slow Macro Effect 6, Fast to Slow Macro Effect 7, Fast to Slow Macro Effect 8, Fast to Slow Macro Effect 9, Fast to Slow Macro Effect 10, Fast to Slow Macro Effect 11, Fast to Slow Macro Effect 12, Fast to Slow Macro Effect 13, Fast to Slow Macro Effect 14, Fast to Slow Macro Effect 15, Fast to Slow

36	000-255	<b>DIMMER</b> 0%→100%
37	000-255	<b>DIMMER FINE</b>
38	000-007 008-015 016-131 132-139 140-181 182-189 190-231 232-239 240-247 248-255	<b>LED STROBE</b> Close Open Strobe from Slow to Fast Open Fast Open Slow Close from Slow to Fast Open Slow Open Fast Close from Slow to Fast Open Random Strobe from Slow to Fast Open
39	000-007 008-015 016-131 132-139 140-181 182-189 190-231 232-239 240-247 248-255	<b>RING STROBE</b> Close Open Strobe from Slow to Fast Open Fast Open Slow Close from Slow to Fast Open Slow Open Fast Close from Slow to Fast Open Random Strobe from Slow to Fast Open
40	000-255	<b>PAN/TILT SPEED</b> Fast to Slow
41	000-005 006-007 008-009 010-029 030-039 040-049 050-059 060-069 070-079 080-089 090-099 100-109 110-119	<b>FUNCTION</b> (To activate following functions, stop in DMX value for at least 3 seconds.) Null Null Null Null Dimmer Curve: Linear Dimmer Curve: Square Law Dimmer Curve: Inv SQ Law Dimmer Curve: S Curve Cooling Mode: Standard Cooling Mode: Quiet Null Led Frequency Setting Enable Led Frequency Setting Disable

120-122	Null
123	900Hz
124	1000Hz
125	1100Hz
126	1200Hz
127	1300Hz
128	1400Hz
129	1500Hz
130	2500Hz
131	4000Hz
132	5000Hz
133	6000Hz
134	10KHz
135	15KHz
136	20KHz
137	25KHz
138-139	Null
140-149	Pan/Tilt Reset
150-159	Effect Reset
160-169	Head Invert: Yes
170-179	Head Invert: No
180-199	Null
200-209	All Reset
210-219	Dimmer Speed: Fast
220-229	Dimmer Speed: Smooth
230-255	Null

71 Channels (Mode 2):

CHANNEL	VALUE	FUNCTION
1	000-255	PAN 1 0°→59°
2	000-255	PAN 1 FINE
3	000-255	TILT 1 0°→221°
4	000-255	TILT 1 FINE
5	000-255	LED 1 RED 0%→100%
6	000-255	LED 1 GREEN 0%→100%
7	000-255	LED 1 BLUE 0%→100%
8	000-255	LED 1 LIME 0%→100%
9	000-255	ZOOM 1 Wide→Narrow
10	000-255	RING 1 RED 0%→100%
11	000-255	RING 1 GREEN 0%→100%
12	000-255	RING 1 BLUE 0%→100%
13	000-015	RING 1 MACRO EFFECT & SPEED Null
	016-031	Macro Effect 1, Fast to Slow
	032-047	Macro Effect 2, Fast to Slow
	048-063	Macro Effect 3, Fast to Slow
	064-079	Macro Effect 4, Fast to Slow
	080-095	Macro Effect 5, Fast to Slow
	096-111	Macro Effect 6, Fast to Slow
	112-127	Macro Effect 7, Fast to Slow
	128-143	Macro Effect 8, Fast to Slow
	144-159	Macro Effect 9, Fast to Slow
	160-175	Macro Effect 10, Fast to Slow
	176-191	Macro Effect 11, Fast to Slow
	192-207	Macro Effect 12, Fast to Slow
	208-223	Macro Effect 13, Fast to Slow
	224-239	Macro Effect 14, Fast to Slow
240-255	Macro Effect 15, Fast to Slow	

14	000-255	<b>PAN 2</b> 0°→59°
15	000-255	<b>PAN 2 FINE</b>
16	000-255	<b>TILT 2</b> 0°→221°
17	000-255	<b>TILT 2 FINE</b>
18	000-255	<b>LED 2 RED</b> 0%→100%
19	000-255	<b>LED 2 GREEN</b> 0%→100%
20	000-255	<b>LED 2 BLUE</b> 0%→100%
21	000-255	<b>LED 2 LIME</b> 0%→100%
22	000-255	<b>ZOOM 2</b> Wide→Narrow
23	000-255	<b>RING 2 RED</b> 0%→100%
24	000-255	<b>RING 2 GREEN</b> 0%→100%
25	000-255	<b>RING 2 BLUE</b> 0%→100%
26	000-015	<b>RING 2 MACRO EFFECT &amp; SPEED</b> Null
	016-031	Macro Effect 1, Fast to Slow
	032-047	Macro Effect 2, Fast to Slow
	048-063	Macro Effect 3, Fast to Slow
	064-079	Macro Effect 4, Fast to Slow
	080-095	Macro Effect 5, Fast to Slow
	096-111	Macro Effect 6, Fast to Slow
	112-127	Macro Effect 7, Fast to Slow
	128-143	Macro Effect 8, Fast to Slow
	144-159	Macro Effect 9, Fast to Slow
	160-175	Macro Effect 10, Fast to Slow
	176-191	Macro Effect 11, Fast to Slow
	192-207	Macro Effect 12, Fast to Slow
	208-223	Macro Effect 13, Fast to Slow
	224-239	Macro Effect 14, Fast to Slow
240-255	Macro Effect 15, Fast to Slow	
27	000-255	<b>PAN 3</b> 0°→59°



28	000-255	PAN 3 FINE
29	000-255	TILT 3 0°→221°
30	000-255	TILT 3 FINE
31	000-255	LED 3 RED 0%→100%
32	000-255	LED 3 GREEN 0%→100%
33	000-255	LED 3 BLUE 0%→100%
34	000-255	LED 3 LIME 0%→100%
35	000-255	ZOOM 3 Wide→Narrow
36	000-255	RING 3 RED 0%→100%
37	000-255	RING 3 GREEN 0%→100%
38	000-255	RING 3 BLUE 0%→100%
39	000-015	RING 3 MACRO EFFECT & SPEED Null
	016-031	Macro Effect 1, Fast to Slow
	032-047	Macro Effect 2, Fast to Slow
	048-063	Macro Effect 3, Fast to Slow
	064-079	Macro Effect 4, Fast to Slow
	080-095	Macro Effect 5, Fast to Slow
	096-111	Macro Effect 6, Fast to Slow
	112-127	Macro Effect 7, Fast to Slow
	128-143	Macro Effect 8, Fast to Slow
	144-159	Macro Effect 9, Fast to Slow
	160-175	Macro Effect 10, Fast to Slow
	176-191	Macro Effect 11, Fast to Slow
	192-207	Macro Effect 12, Fast to Slow
208-223	Macro Effect 13, Fast to Slow	
224-239	Macro Effect 14, Fast to Slow	
240-255	Macro Effect 15, Fast to Slow	
40	000-255	PAN 4 0°→59°
41	000-255	PAN 4 FINE
42		TILT 4

	000-255	0°→221°
43	000-255	TILT 4 FINE
44	000-255	LED 4 RED 0%→100%
45	000-255	LED 4 GREEN 0%→100%
46	000-255	LED 4 BLUE 0%→100%
47	000-255	LED 4 LIME 0%→100%
48	000-255	ZOOM 4 Wide→Narrow
49	000-255	RING 4 RED 0%→100%
50	000-255	RING 4 GREEN 0%→100%
51	000-255	RING 4 BLUE 0%→100%
52	000-015 016-031 032-047 048-063 064-079 080-095 096-111 112-127 128-143 144-159 160-175 176-191 192-207 208-223 224-239 240-255	<b>RING 4 MACRO EFFECT &amp; SPEED</b> Null Macro Effect 1, Fast to Slow Macro Effect 2, Fast to Slow Macro Effect 3, Fast to Slow Macro Effect 4, Fast to Slow Macro Effect 5, Fast to Slow Macro Effect 6, Fast to Slow Macro Effect 7, Fast to Slow Macro Effect 8, Fast to Slow Macro Effect 9, Fast to Slow Macro Effect 10, Fast to Slow Macro Effect 11, Fast to Slow Macro Effect 12, Fast to Slow Macro Effect 13, Fast to Slow Macro Effect 14, Fast to Slow Macro Effect 15, Fast to Slow
53	000-255	PAN 5 0°→59°
54	000-255	PAN 5 FINE
55	000-255	TILT 5 0°→221°
56	000-255	TILT 5 FINE

57	000-255	<b>LED 5 RED</b> 0%→100%
58	000-255	<b>LED 5 GREEN</b> 0%→100%
59	000-255	<b>LED 5 BLUE</b> 0%→100%
60	000-255	<b>LED 5 LIME</b> 0%→100%
61	000-255	<b>ZOOM 5</b> Wide→Narrow
62	000-255	<b>RING 5 RED</b> 0%→100%
63	000-255	<b>RING 5 GREEN</b> 0%→100%
64	000-255	<b>RING 5 BLUE</b> 0%→100%
65	000-015	<b>RING 5 MACRO EFFECT &amp; SPEED</b> Null
	016-031	Macro Effect 1, Fast to Slow
	032-047	Macro Effect 2, Fast to Slow
	048-063	Macro Effect 3, Fast to Slow
	064-079	Macro Effect 4, Fast to Slow
	080-095	Macro Effect 5, Fast to Slow
	096-111	Macro Effect 6, Fast to Slow
	112-127	Macro Effect 7, Fast to Slow
	128-143	Macro Effect 8, Fast to Slow
	144-159	Macro Effect 9, Fast to Slow
	160-175	Macro Effect 10, Fast to Slow
	176-191	Macro Effect 11, Fast to Slow
	192-207	Macro Effect 12, Fast to Slow
	208-223	Macro Effect 13, Fast to Slow
	224-239	Macro Effect 14, Fast to Slow
240-255	Macro Effect 15, Fast to Slow	
66	000-255	<b>DIMMER</b> 0%→100%
67	000-255	<b>DIMMER FINE</b>
68	000-007	<b>LED STROBE</b> Close
	008-015	Open
	016-131	Strobe from Slow to Fast
	132-139	Open
	140-181	Fast Open Slow Close from Slow to Fast

	182-189 190-231 232-239 240-247 248-255	Open Slow Open Fast Close from Slow to Fast Open Random Strobe from Slow to Fast Open
69	000-007 008-015 016-131 132-139 140-181 182-189 190-231 232-239 240-247 248-255	<b>RING STROBE</b> Close Open Strobe from Slow to Fast Open Fast Open Slow Close from Slow to Fast Open Slow Open Fast Close from Slow to Fast Open Random Strobe from Slow to Fast Open
70	000-255	<b>PAN/TILT SPEED</b> Fast to Slow
71	000-005 006-007 008-009 010-029 030-039 040-049 050-059 060-069 070-079 080-089 090-099 100-109 110-119 120-122 123 124 125 126 127 128 129 130 131	<b>FUNCTION</b> (To activate following functions, stop in DMX value for at least 3 seconds.) Null Null Null Null Dimmer Curve: Linear Dimmer Curve: Square Law Dimmer Curve: Inv SQ Law Dimmer Curve: S Curve Cooling Mode: Standard Cooling Mode: Quiet Null Led Frequency Setting Enable Led Frequency Setting Disable Null 900Hz 1000Hz 1100Hz 1200Hz 1300Hz 1400Hz 1500Hz 2500Hz 4000Hz

	132	5000Hz
	133	6000Hz
	134	10KHz
	135	15KHz
	136	20KHz
	137	25KHz
	138-139	Null
	140-149	Pan/Tilt Reset
	150-159	Effect Reset
	160-169	Head Invert: Yes
	170-179	Head Invert: No
	180-199	Null
	200-209	All Reset
	210-219	Dimmer Speed: Fast
	220-229	Dimmer Speed: Smooth
	230-255	Null