LIGHT SKY

IP1940DII



Manufacturer	**LIGHT SKY**
Type	**Moving head**
DMX modes	**5**
DMX footprint	**26, 28, 35, 98, 100 channels**
Beam angle	**5-45°**
Pan range	**540°**
Tilt range	**218°**
Heads / cells	**4**
Size (W × H × D)	**292 × 225 × 285 mm**
GDTF fixture type	**23059586-10D7-4DDA-B9A2-C…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt

Safety-relevant functions

Fixture reset · Service functions · Built-in effect programmes

DMX modes

26CH	26 ch
28CH	28 ch
35CH	35 ch
98CH	98 ch
100CH	100 ch

26CH

26 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Control1	0	0–25 No Function 26–35 Zoom Reset 36–45 P/T Reset 46–255 All Reset
6	Zoom	0	
7	Zoom Rota	0	0–127 0 - 60 128–190 >>> 191–192 Stop 193–255 <<<
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Shutter / Strobe	0	0–9 Open 10–48 PulseClose · >>> 12–0.795 Hz 49–49 PulseClose · >> 0.5 Hz 50–88 PulseOpen · >>> 12–0.795 Hz 89–89 PulseOpen · >> 0.5 Hz 90–118 Pulse · >>> 12–0.897 Hz 119–119 Pulse · >> 0.5 Hz 120–178 Random>> 179–179 Random>>> 180–248 Strobe>> 249–249 Strobe>>> 250–255 Open
11	Color Effects1	0	0–4 No Function 5–185 Fixed Color 186–195 Color Macro 1 196–205 Color Macro 2 206–215 Color Macro 3 216–225 Color Macro 4 226–235 Rainbow 1 236–245 Rainbow 2 246–255 Rainbow 3
12	C TO	0	0–9 No Function 10–22 2500K 23–42 2700K 43–62 3000K 63–82 3200K 83–102 3500K 103–119 3700K 120–134 4000K 135–149 4500K 150–161 5000K 162–179 5600K 180–194 6000K 195–209 6500K 210–218 7000K 219–224 7500K 225–233 8000K 234–239 8500K 240–248 9000K 249–254 9500K 255–255 10000K

26CH (continued)

Ch	Function	Default	DMX values
13	Static Effect	0	0–7 No Function 8–149 Static Effect 150–255 No Function
14	Dynamic Effect	0	0–7 No Function 8–80 Dynamic Effect 81–255 No Function
15	Effect Speed	0	0–127 >>> 128–128 Stop 129–255 <<<
16	Effects1Fade	0	
17	Background Color	0	0–1 No Function 2–255 Background Color
18	Background Dimmer	255	0–254 Closed 255–255 Open
19	Red	255	
20	Green	255	
21	Blue	255	
22	White	255	
23	Dimmer	0	0–254 Closed 255–255 Open
24	Color Macro1	0	0–0 No Function 1–1 Ring Red 2–2 Ring Green 3–3 Ring Blue 4–4 Ring White 5–204 Fixed Color 205–214 Color Macro 1 215–224 Color Macro 2 225–234 Color Macro 3 235–244 Color Macro 4 245–255 No Function
25	Effect	0	0–4 No Function 5–47 Effect 1-16 48–99 Effect 1-17 100–255 Color Change
26	Effect Speed	0	

28CH

28 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt

28CH (continued)

Ch	Function	Default	DMX values
5	Function	0	0–25 No Function 26–30 Zoom Reset 31–40 P/T Reset 41–50 All Reset 51–55 Fan Standard 56–60 Fan HighOutput 61–70 Fan Silent 71–75 Display blink on 76–80 Display blink off 81–85 Display on 86–90 Display off 91–95 Pan invert on 96–100 Pan invert off 101–105 Tilt invert on 106–110 Tilt invert off 111–115 1800Hz 116–120 3600Hz 121–125 7200Hz 126–130 25000Hz 131–135 Curve: Linear 136–140 Curve: Square 141–145 Curve: Inv-square 146–150 Curve: "S" 151–155 Dim Normal 156–160 Dim Smooth 1 161–165 Dim Smooth 2 166–170 Dim Smooth 3 171–175 XY Normal 176–180 XY Fast 181–185 XY Precise 186–190 LED Color calibration on 191–195 LED Color calibration of 196–255 No Function
6	Zoom	0	
7	Zoom Rota	0	0–127 0 - 60 128–190 >>> 191–192 Stop 193–255 <<<
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Shutter / Strobe	0	0–9 Open 10–48 PulseClose · >>> 12–0.795 Hz 49–49 PulseClose · >> 0.5 Hz 50–88 PulseOpen · >>> 12–0.795 Hz 89–89 PulseOpen · >> 0.5 Hz 90–118 Pulse · >>> 12–0.897 Hz 119–119 Pulse · >> 0.5 Hz 120–178 Random>> 179–179 Random>>> 180–248 Strobe>> 249–249 Strobe>>> 250–255 Open
11	Color Effects1	0	

28CH (continued)

Ch	Function	Default	DMX values
12	C TO	0	0–2 No Function 3–18 10000K 19–35 9500K 36–52 9000K 53–69 8500K 70–75 8000K 76–86 7800K 87–96 7500K 97–102 7200K 103–119 7000K 120–137 6500K 138–143 6000K 144–149 5800K 150–156 5600K 157–164 5400K 165–170 5200K 171–176 5000K 177–187 4800K 188–197 4500K 198–203 4200K 204–210 4000K 211–220 3800K 221–230 3500K 231–237 3200K 238–247 3000K 248–254 2700K 255–255 2500K
13	Static Effect	0	0–7 No Function 8–149 Static Effect 150–255 No Function
14	Dynamic Effect	0	0–7 No Function 8–80 Dynamic Effect 81–255 No Function
15	Effect Speed	0	0–127 >>> 128–128 Stop 129–255 <<<
16	Effects1Fade	0	
17	Background Color	0	0–1 No Function 2–255 Background Color
18	Background Dimmer	255	0–254 Closed 255–255 Open
19	Red	255	
20	Green	255	
21	Blue	255	
22	White	255	
23	Dimmer	0	0–254 Closed 255–255 Open
24	Red	255	
25	Green	255	
26	Blue	255	
27	Effect	0	0–9 No Function 10–19 Shutter Open 20–39 Strobe slow to fast 40–68 Effect 1-15 69–255 Effect 1-63
28	Effect Speed	0	

35CH

35 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	White	255	
8	White Fine	255	Fine byte of White
9	C TO	0	0–9 No Function 10–22 2500K 23–42 2700K 43–62 3000K 63–82 3200K 83–102 3500K 103–119 3700K 120–134 4000K 135–149 4500K 150–161 5000K 162–179 5600K 180–194 6000K 195–209 6500K 210–218 7000K 219–224 7500K 225–233 8000K 234–239 8500K 240–248 9000K 249–254 9500K 255–255 10000K
10	Color Effects1	0	0–4 No Function 5–185 Fixed Color 186–195 Color Macro 1 196–205 Color Macro 2 206–215 Color Macro 3 216–225 Color Macro 4 226–235 Rainbow 1 236–245 Rainbow 2 246–255 Rainbow 3
11	Shutter / Strobe	0	0–9 Open 10–48 PulseClose · >>> 12–0.795 Hz 49–49 PulseClose · >> 0.5 Hz 50–88 PulseOpen · >>> 12–0.795 Hz 89–89 PulseOpen · >> 0.5 Hz 90–118 Pulse · >>> 12–0.897 Hz 119–119 Pulse · >> 0.5 Hz 120–178 Random>> 179–179 Random>>> 180–248 Strobe>> 249–249 Strobe>>> 250–255 Open
12	Dimmer	0	0–254 Closed 255–255 Open
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	0	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	0	Fine byte of Tilt

35CH (continued)

Ch	Function	Default	DMX values
18	Function	0	0–1 No Function 2–3 Fan HighOutput 4–7 Fan Silent 8–120 Fan Standard 121–130 1800Hz 131–140 3600Hz 141–150 7200Hz 151–160 25000Hz 161–255 No Function
19	Fixture Global Reset	0	0–25 No Function 26–70 Zoom Reset 71–127 P/T Reset 128–255 All Reset
20	Zoom	0	
21	Zoom Rota	0	0–127 0 - 60 128–190 >>> 191–192 Stop 193–255 <<<
22	Effect	0	0–7 No Function 8–14 Static Effect 15–70 Dynamic Effect 71–255 No Function
23	Effect Speed	0	0–63 Dynamic step selection 64–158 >>> 159–160 Stop 161–255 <<<
24	Effects1Fade	0	0–4 No Function 5–255 Fast to slow
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	255	
29	Dimmer	0	0–254 Closed 255–255 Open
30	Background Dimmer	0	0–254 Closed 255–255 Open
31	Transition	0	0–4 No Function 5–255 Fast to slow
32	Offset	0	
33	Shutter / Strobe	0	0–9 Open 10–48 PulseClose · >>> 12–0.795 Hz 49–49 PulseClose · >> 0.5 Hz 50–88 PulseOpen · >>> 12–0.795 Hz 89–89 PulseOpen · >> 0.5 Hz 90–118 Pulse · >>> 12–0.897 Hz 119–119 Pulse · >> 0.5 Hz 120–178 Random>> 179–179 Random>>> 180–248 Strobe>> 249–249 Strobe>>> 250–255 Open

35CH (continued)

Ch	Function	Default	DMX values
34	Background Shutter	0	0–9 Open 10–48 >>> 49–49 >> 50–88 >>> 89–89 >> 90–118 >>> 119–119 >> 120–178 Random>> 179–179 Random>>> 180–248 Strobe>> 249–249 Strobe>>> 250–255 Open
35	Background Effect	0	0–7 No Function 8–15 Static Effect 16–255 No Function

98CH

98 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Control1	0	
6	Zoom	0	
7	Zoom Rota	0	
8	Dimmer	0	
9	Dimmer Fine	0	Fine byte of Dimmer
10	Shutter / Strobe	0	0–9 Open 10–48 PulseClose · >>> 12–0.795 Hz 49–49 PulseClose · >> 0.5 Hz 50–88 PulseOpen · >>> 12–0.795 Hz 89–89 PulseOpen · >> 0.5 Hz 90–118 Pulse · >>> 12–0.897 Hz 119–119 Pulse · >> 0.5 Hz 120–178 Random>> 179–179 Random>>> 180–248 Strobe>> 249–249 Strobe>>> 250–255 Open
11	Color Effects1	0	
12	C TO	0	
13	Static Effect	0	
14	Dynamic Effect	0	
15	Effect Speed	0	
16	Effects1Fade	0	
17	Background Color	0	
18	Background Dimmer	255	
19	Red	255	
20	Green	255	
21	Blue	255	
22	White	255	

98CH (continued)

Ch	Function	Default	DMX values
23	Red	255	
24	Green	255	
25	Blue	255	
26	White	255	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Red	255	
48	Green	255	
49	Blue	255	
50	White	255	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	

98CH (continued)

Ch	Function	Default	DMX values
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	Dimmer	0	
96	Color Macro1	0	
97	Effect	0	0–4 No Function 5–47 Effect 1-16 48–99 Effect 1-17 100–255 Color Change
98	Effect Speed	0	

100CH

100 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Function	0	
6	Zoom	0	
7	Zoom Rota	0	
8	Dimmer	0	

100CH (continued)

Ch	Function	Default	DMX values
9	Dimmer Fine	0	Fine byte of Dimmer
10	Shutter / Strobe	0	0–9 Open 10–48 PulseClose · >>> 12–0.795 Hz 49–49 PulseClose · >> 0.5 Hz 50–88 PulseOpen · >>> 12–0.795 Hz 89–89 PulseOpen · >> 0.5 Hz 90–118 Pulse · >>> 12–0.897 Hz 119–119 Pulse · >> 0.5 Hz 120–178 Random>> 179–179 Random>>> 180–248 Strobe>> 249–249 Strobe>>> 250–255 Open
11	Color Effects1	0	
12	C TO	0	
13	Static Effect	0	
14	Dynamic Effect	0	
15	Effect Speed	0	
16	Effects1Fade	0	
17	Background Color	0	
18	Background Dimmer	255	
19	Red	255	
20	Green	255	
21	Blue	255	
22	White	255	
23	Red	255	
24	Green	255	
25	Blue	255	
26	White	255	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	

100CH (continued)

Ch	Function	Default	DMX values
46	Reserved 46	0	
47	Red	255	
48	Green	255	
49	Blue	255	
50	White	255	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	

100CH (continued)

Ch	Function	Default	DMX values
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	Dimmer	0	
96	Red	255	
97	Green	255	
98	Blue	255	
99	Effect	0	0–9 No Function 10–19 Shutter Open 20–39 Strobe slow to fast 40–68 Effect 1-15 69–255 Effect 1-63
100	Effect Speed	0	