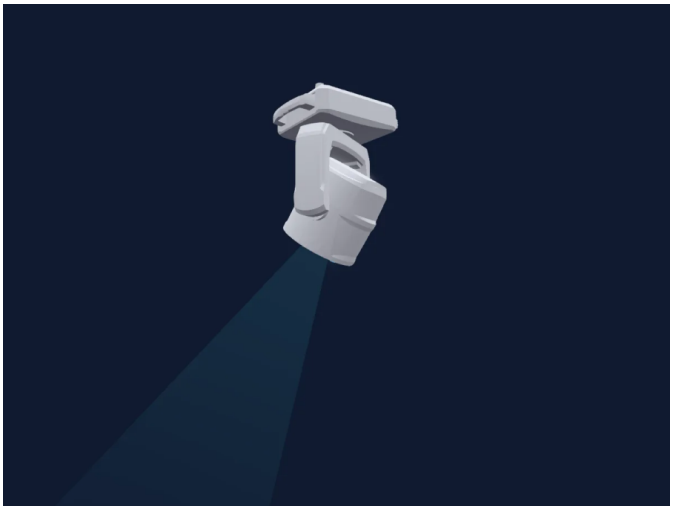
CKC Lighting

ZB19X IP



Manufacturer	**CKC Lighting**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**17, 21, 93 channels**
Beam angle	**4-60°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**310 × 300 × 290 mm**
GDTF fixture type	**C0855D1D-0FD1-42D2-A3DD-0…**

Controls

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

Safety-relevant functions

Fixture reset · Strobe · Built-in effect programmes

DMX modes

Basic 17CH	17 ch
Standard 21CH	21 ch
Extended 93CH	93 ch

Basic 17CH

17 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Dimmer	0	0–254 0% 255–255 100%
4	Shutter / Strobe	50	0–31 Closed 32–63 Open1 64–94 Min Strobe 95–95 Max Strobe 96–127 Open2 128–158 Min Pulse 159–159 Max Pulse 160–191 Open3 192–222 Min Random 223–223 Max Random 224–255 Open4
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	255	
9	Color Effects1	0	0–0 ForColor No Function 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
10	Color Effects2	0	0–0 BackColor No Function 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
11	Color Macro1Rate	0	0–254 Slow 255–255 Fast

Basic 17CH (continued)

Ch	Function	Default	DMX values
12	Effect	0	0–9 No Program 10–19 Program 1 20–29 Program 2 30–39 Program 3 40–49 Program 4 50–59 Program 5 60–69 Program 6 70–79 Program 7 80–89 Program 8 90–99 Program 9 100–109 Program 10 110–119 Program 11 120–129 Program 12 130–139 Program 13 140–149 Program 14 150–159 Program 15 160–169 Program 16 170–179 Program 17 180–189 Program 18 190–199 Program 19 200–209 Program 20 210–255 NO USE
13	Effect Speed	0	0–4 Static step 1 5–9 Static step 2 10–14 Static step 3 15–19 Static step 4 20–24 Static step 5 25–29 Static step 6 30–34 Static step 7 35–39 Static step 8 40–145 Chase Forward Fast to Slow 146–149 Stop 150–255 Chase Backward Slow > Fast
14	Effects1Fade	0	0–254 Fast 255–255 Slow
15	Zoom	0	
16	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architecture 81–100 Theater 101–255 Default to Unit Setting

Basic 17CH (continued)

Ch	Function	Default	DMX values
17	Control1	0	0–5 No function 6–17 Invert Pan on (Hold 3s) 18–29 Invert Pan off (Hold 3s) 30–41 Invert Tilt on (Hold 3s) 42–53 Invert Tilt off (Hold 3s) 54–65 Fan Silent (Hold 3s) 66–77 Fan Auto (Hold 3s) 78–89 Fan High (Hold 3s) 90–101 Linear Dimmer Curve (Hold 3s) 102–113 Square Dimmer Curve (Hold 3s) 114–125 Inv-Square Dimmer Curve (Hold 3s) 126–131 S - Dimmer Curve (Hold 3s) 132–137 900 Hz (Hold 3s) 138–143 1000 Hz (Hold 3s) 144–149 1100 Hz (Hold 3s) 150–155 1200 Hz (Hold 3s) 156–161 1300 Hz (Hold 3s) 162–167 1400 Hz (Hold 3s) 168–173 1500 Hz (Hold 3s) 174–179 2500 Hz (Hold 3s) 180–185 4000 Hz (Hold 3s) 186–191 5000 Hz (Hold 3s) 192–197 10000 Hz (Hold 3s) 198–203 15000 Hz (Hold 3s) 204–209 20000 Hz (Hold 3s) 210–215 25000 Hz (Hold 3s) 216–218 Reset Pan/Tilt (Hold 3s) 219–221 Reset only Head (Hold 3s) 222–224 Reset All Functions (Hold 3s) 225–227 Full Mode 228–230 10000K 231–255 No function

Standard 21CH

21 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	Position MSpeed	0	0–225 Max to min speed 226–235 Blackout by movement 236–255 No function
6	Dimmer	0	0–254 0% 255–255 100%
7	Dimmer Fine	0	Fine byte of Dimmer
8	Shutter / Strobe	50	0–31 Closed 32–63 Open1 64–94 Min Strobe 95–95 Max Strobe 96–127 Open2 128–158 Min Pulse 159–159 Max Pulse 160–191 Open3 192–222 Min Random 223–223 Max Random 224–255 Open4
9	Red	255	

Standard 21CH (continued)

Ch	Function	Default	DMX values
10	Green	255	
11	Blue	255	
12	White	255	
13	Color Effects1	0	0–0 ForColor No Function 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
14	Color Effects2	0	0–0 BackColor No Function 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
15	Color Macro1Rate	0	0–254 Slow 255–255 Fast
16	Effect	0	0–9 No Program 10–19 Program 1 20–29 Program 2 30–39 Program 3 40–49 Program 4 50–59 Program 5 60–69 Program 6 70–79 Program 7 80–89 Program 8 90–99 Program 9 100–109 Program 10 110–119 Program 11 120–129 Program 12 130–139 Program 13 140–149 Program 14 150–159 Program 15 160–169 Program 16 170–179 Program 17 180–189 Program 18 190–199 Program 19 200–209 Program 20 210–255 NO USE

Standard 21CH (continued)

Ch	Function	Default	DMX values
17	Effect Speed	0	0–4 Static step 1 5–9 Static step 2 10–14 Static step 3 15–19 Static step 4 20–24 Static step 5 25–29 Static step 6 30–34 Static step 7 35–39 Static step 8 40–145 Chase Forward Fast to Slow 146–149 Stop 150–255 Chase Backward Slow > Fast
18	Effects1Fade	0	0–254 Fast 255–255 Slow
19	Zoom	0	
20	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architecture 81–100 Theater 101–255 Default to Unit Setting
21	Control1	0	0–5 No function 6–17 Invert Pan on (Hold 3s) 18–29 Invert Pan off (Hold 3s) 30–41 Invert Tilt on (Hold 3s) 42–53 Invert Tilt off (Hold 3s) 54–65 Fan Silent (Hold 3s) 66–77 Fan Auto (Hold 3s) 78–89 Fan High (Hold 3s) 90–101 Linear Dimmer Curve (Hold 3s) 102–113 Square Dimmer Curve (Hold 3s) 114–125 Inv-Square Dimmer Curve (Hold 3s) 126–131 S - Dimmer Curve (Hold 3s) 132–137 900 Hz (Hold 3s) 138–143 1000 Hz (Hold 3s) 144–149 1100 Hz (Hold 3s) 150–155 1200 Hz (Hold 3s) 156–161 1300 Hz (Hold 3s) 162–167 1400 Hz (Hold 3s) 168–173 1500 Hz (Hold 3s) 174–179 2500 Hz (Hold 3s) 180–185 4000 Hz (Hold 3s) 186–191 5000 Hz (Hold 3s) 192–197 10000 Hz (Hold 3s) 198–203 15000 Hz (Hold 3s) 204–209 20000 Hz (Hold 3s) 210–215 25000 Hz (Hold 3s) 216–218 Reset Pan/Tilt (Hold 3s) 219–221 Reset only Head (Hold 3s) 222–224 Reset All Functions (Hold 3s) 225–227 Full Mode 228–230 10000K 231–255 No function

Extended 93CH

93 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	

Extended 93CH (continued)

Ch	Function	Default	DMX values
4	White	255	
5	Position MSpeed	0	
6	Dimmer	255	
7	Dimmer Fine	255	Fine byte of Dimmer
8	Shutter / Strobe	50	0–31 Closed 32–63 Open1 64–94 Min Strobe 95–95 Max Strobe 96–127 Open2 128–158 Min Pulse 159–159 Max Pulse 160–191 Open3 192–222 Min Random 223–223 Max Random 224–255 Open4
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
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	

Extended 93CH (continued)

Ch	Function	Default	DMX values
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
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	Color Effects1	0	
86	Color Effects2	0	

Extended 93CH (continued)

Ch	Function	Default	DMX values
87	Color Macro1Rate	0	
88	Effect	0	0–9 No Program 10–19 Program 1 20–29 Program 2 30–39 Program 3 40–49 Program 4 50–59 Program 5 60–69 Program 6 70–79 Program 7 80–89 Program 8 90–99 Program 9 100–109 Program 10 110–119 Program 11 120–129 Program 12 130–139 Program 13 140–149 Program 14 150–159 Program 15 160–169 Program 16 170–179 Program 17 180–189 Program 18 190–199 Program 19 200–209 Program 20 210–255 No used
89	Effect Speed	0	
90	Effects1Fade	0	
91	Zoom	0	
92	Dimmer Mode	0	
93	Control1	0	