CKC Lighting

P10 Plus



Manufacturer	**CKC Lighting**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**36, 52 channels**
Beam angle	**6-52°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**313 × 509 × 241 mm**
GDTF fixture type	**55A77E3D-9AA6-4A50-9EA9-51…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Standard 36CH	36 ch
Extended 52CH	52 ch

Standard 36CH

36 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	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–94 Strobe Min 95–95 Strobe Max 96–127 Open 128–158 Strobe Pulse Min 159–159 Strobe Pulse Max 160–191 Open 192–222 Random Strobe Min 223–223 Random Strobe Max 224–255 Shutter4
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	
11	C TO	0	0–254 6500K 255–255 2400K
12	Color Wheel	0	0–5 Color off (open) (wheel slot 1) 6–115 index 116–119 Open (wheel slot 1) 120–129 Deep Red (wheel slot 2) 130–139 Medium Blue (wheel slot 3) 140–149 Deep Green (wheel slot 4) 150–159 Amber (wheel slot 5) 160–169 Congo blue (wheel slot 6) 170–179 CTB (wheel slot 7) 180–192 Open2 (wheel slot 1) 193–223 CW Rot Slow to Fast 224–224 Stop 225–255 CCW Rot Fast to Slow
13	Color Wheel Fine	0	Fine byte of Color Wheel
14	Gobo	0	0–5 Open (wheel slot 1) 6–20 Gobo 1 (wheel slot 2) 21–35 Gobo 2 (wheel slot 3) 36–50 Gobo 3 (wheel slot 4) 51–65 Gobo 4 (wheel slot 5) 66–80 Gobo 5 (wheel slot 6) 81–95 Gobo 6 (wheel slot 7) 96–110 Gobo 1 shake (slow-fast) (wheel slot 2) 111–125 Gobo 2 shake (slow-fast) (wheel slot 3) 126–140 Gobo 3 shake (slow-fast) (wheel slot 4) 141–155 Gobo 4 shake (slow-fast) (wheel slot 5) 156–170 Gobo 5 shake (slow-fast) (wheel slot 6) 171–185 Gobo 6 shake (slow-fast) (wheel slot 7) 186–192 Open (wheel slot 1) 193–223 Clockwise from slow to fast 224–224 Stop 225–255 Counter-clockwise from fast to slow

Standard 36CH (continued)

Ch	Function	Default	DMX values
15	Gobo Rotation	5	0–127 Gobo Position 0 degree 128–128 Gobo Position 540 degree 129–191 Rot CW Slow to Fast 192–192 Stop 193–255 Rot CCW Fast to Slow
16	Gobo Rotation Fine	255	Fine byte of Gobo Rotation
17	Gobo 2	0	0–5 Open (wheel slot 1) 6–18 Gobo 1 (wheel slot 2) 19–31 Gobo 2 (wheel slot 3) 32–44 Gobo 3 (wheel slot 4) 45–57 Gobo 4 (wheel slot 5) 58–70 Gobo 5 (wheel slot 6) 71–83 Gobo 6 (wheel slot 7) 84–96 Gobo 7 (wheel slot 8) 97–109 Gobo 1 shake (slow-fast) (wheel slot 2) 110–122 Gobo 2 shake (slow-fast) (wheel slot 3) 123–135 Gobo 3 shake (slow-fast) (wheel slot 4) 136–148 Gobo 4 shake (slow-fast) (wheel slot 5) 149–161 Gobo 5 shake (slow-fast) (wheel slot 6) 162–174 Gobo 6 shake (slow-fast) (wheel slot 7) 175–187 Gobo 7 shake (slow-fast) (wheel slot 8) 188–192 Open (wheel slot 1) 193–223 Spin CW Slow to Fast 224–224 Stop 225–255 Spin CCW Fast to Slow
18	Zoom	128	0–254 narrow 255–255 wide
19	Focus	0	
20	Iris	0	0–224 Open 225–225 Close 226–234 slow 235–235 fast 236–244 slow 245–245 fast 246–254 Slow 255–255 Fast
21	Prism	0	0–5 Open (wheel slot 1) 6–130 Prism 1 (6 liner Prism) (wheel slot 2) 131–255 Prism 2 (4 Facet Prism) (wheel slot 3)
22	Prism Rotation	6	0–127 Position 0 degrees 128–128 Position 540 degrees 129–191 Rotation CW Slow to Fast 192–192 Stop 193–255 Rotation CCW Fast to Slow
23	Frost1	0	
24	Frost2	0	
25	Animation Wheel1Pos	0	0–127 Wheel Position 0 degrees 128–128 Wheel Position 540 degrees 129–191 Rot CW Slow to Fast 192–192 Stop 193–255 Rot CCW Fast to Slow
26	Blade1A	0	
27	Blade1B	0	
28	Blade2A	0	
29	Blade2B	0	
30	Blade3A	0	
31	Blade3B	0	

Standard 36CH (continued)

Ch	Function	Default	DMX values
32	Blade4A	0	
33	Blade4B	0	
34	Shaper Rot	128	
35	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–255 Default to Unit Setting
36	Control1	0	0–5 No function 6–10 On Display Backlight 11–15 Off Display Backlight 16–20 Invert Pan on (Hold 3s) 21–25 Invert Pan off (Hold 5s) 26–30 Invert Tilt on (Hold 3s) 31–35 Invert Tilt off (Hold 5s) 36–40 Fan Auto (Hold 3s) 41–45 Fan Silent (Hold 5s) 46–50 Fan high (Hold 3s) 51–55 Linear Dimmer Curve (Hold 3s) 56–60 Square Dimmer Curve (Hold 3s) 61–65 Inv-Square Dimmer Curve (Hold 3s) 66–70 S- Dimmer Curve (Hold 3s) 71–75 1200 Hz (hold 3s) 76–80 3600 Hz (hold 3s) 81–85 5000 Hz (hold 3s) 86–90 10000 Hz (hold 3s) 91–95 15000 Hz (hold 3s) 96–100 20000 Hz (hold 3s) 101–105 25000 Hz (hold 3s) 106–110 Reset Pan/Tilt (Hold 3s) 111–115 Reset only Head (Hold 3s) 116–120 Reset All Functions (Hold 3s) 121–125 Standard Mode 126–130 High CRI 131–135 6500K (Default) 136–140 6000K 141–145 3000K 146–255 No function

Extended 52CH

52 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	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer

Extended 52CH (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–94 Strobe Min 95–95 Strobe Max 96–127 Open 128–158 Strobe Pulse Min 159–159 Strobe Pulse Max 160–191 Open 192–222 Random Strobe Min 223–223 Random Strobe Max 224–255 Shutter4
8	Cyan	0	
9	Cyan Fine	0	Fine byte of Cyan
10	Magenta	0	
11	Magenta Fine	0	Fine byte of Magenta
12	Yellow	0	
13	Yellow Fine	0	Fine byte of Yellow
14	C TO	0	0–254 6500K 255–255 2400K
15	C TO Fine	0	Fine byte of C TO
16	Color Wheel	0	0–5 Color off (open) (wheel slot 1) 6–115 index 116–119 Open (wheel slot 1) 120–129 Deep Red (wheel slot 2) 130–139 Medium Blue (wheel slot 3) 140–149 Deep Green (wheel slot 4) 150–159 Amber (wheel slot 5) 160–169 Congo blue (wheel slot 6) 170–179 CTB (wheel slot 7) 180–192 Open2 (wheel slot 1) 193–223 CW Rot Slow to Fast 224–224 Stop 225–255 CCW Rot Fast to Slow
17	Color Wheel Fine	0	Fine byte of Color Wheel
18	Gobo	0	0–5 Open (wheel slot 1) 6–20 Gobo 1 (wheel slot 2) 21–35 Gobo 2 (wheel slot 3) 36–50 Gobo 3 (wheel slot 4) 51–65 Gobo 4 (wheel slot 5) 66–80 Gobo 5 (wheel slot 6) 81–95 Gobo 6 (wheel slot 7) 96–110 Gobo 1 shake (slow-fast) (wheel slot 2) 111–125 Gobo 2 shake (slow-fast) (wheel slot 3) 126–140 Gobo 3 shake (slow-fast) (wheel slot 4) 141–155 Gobo 4 shake (slow-fast) (wheel slot 5) 156–170 Gobo 5 shake (slow-fast) (wheel slot 6) 171–185 Gobo 6 shake (slow-fast) (wheel slot 7) 186–192 Open (wheel slot 1) 193–223 Clockwise from slow to fast 224–224 Stop 225–255 Counter-clockwise from fast to slow
19	Gobo Rotation	0	0–127 Gobo Position 0 degree 128–128 Gobo Position 540 degree 129–191 Rot CW Slow to Fast 192–192 Stop 193–255 Rot CCW Fast to Slow
20	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended 52CH (continued)

Ch	Function	Default	DMX values
21	Gobo 2	0	0–5 Open (wheel slot 1) 6–18 Gobo 1 (wheel slot 2) 19–31 Gobo 2 (wheel slot 3) 32–44 Gobo 3 (wheel slot 4) 45–57 Gobo 4 (wheel slot 5) 58–70 Gobo 5 (wheel slot 6) 71–83 Gobo 6 (wheel slot 7) 84–96 Gobo 7 (wheel slot 8) 97–109 Gobo 1 shake (slow-fast) (wheel slot 2) 110–122 Gobo 2 shake (slow-fast) (wheel slot 3) 123–135 Gobo 3 shake (slow-fast) (wheel slot 4) 136–148 Gobo 4 shake (slow-fast) (wheel slot 5) 149–161 Gobo 5 shake (slow-fast) (wheel slot 6) 162–174 Gobo 6 shake (slow-fast) (wheel slot 7) 175–187 Gobo 7 shake (slow-fast) (wheel slot 8) 188–192 Open (wheel slot 1) 193–223 Spin CW Slow to Fast 224–224 Stop 225–255 Spin CCW Fast to Slow
22	Zoom	128	0–254 narrow 255–255 wide
23	Zoom Fine	0	Fine byte of Zoom
24	Focus	0	
25	Focus Fine	0	Fine byte of Focus
26	Iris	0	0–224 Open 225–225 Close 226–234 slow 235–235 fast 236–244 slow 245–245 fast 246–254 Slow 255–255 Fast
27	Prism	0	0–5 Open (wheel slot 1) 6–130 Prism 1 (6 liner Prism) (wheel slot 2) 131–255 Prism 2 (4 Facet Prism) (wheel slot 3)
28	Prism Rotation	6	0–127 Position 0 degrees 128–128 Position 540 degrees 129–191 Rotation CW Slow to Fast 192–192 Stop 193–255 Rotation CCW Fast to Slow
29	Frost1	0	
30	Frost2	0	
31	Animation Wheel1Pos	0	0–127 Wheel Position 0 degrees 128–128 Wheel Position 540 degrees 129–191 Rot CW Slow to Fast 192–192 Stop 193–255 Rot CCW Fast to Slow
32	Blade1A	0	
33	Blade1A Fine	0	Fine byte of Blade1A
34	Blade1B	0	
35	Blade1B Fine	0	Fine byte of Blade1B
36	Blade2A	0	
37	Blade2A Fine	0	Fine byte of Blade2A
38	Blade2B	0	
39	Blade2B Fine	0	Fine byte of Blade2B

Extended 52CH (continued)

Ch	Function	Default	DMX values
40	Blade3A	0	
41	Blade3A Fine	0	Fine byte of Blade3A
42	Blade3B	0	
43	Blade3B Fine	0	Fine byte of Blade3B
44	Blade4A	0	
45	Blade4A Fine	0	Fine byte of Blade4A
46	Blade4B	0	
47	Blade4B Fine	0	Fine byte of Blade4B
48	Shaper Rot	128	
49	Shaper Rot Fine	0	Fine byte of Shaper Rot
50	Position Effect Rate	0	0–254 Max Speed 255–255 Min Speed
51	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–255 Default to Unit Setting
52	Control1	0	0–5 No function 6–10 On Display Backlight 11–15 Off Display Backlight 16–20 Invert Pan on (Hold 3s) 21–25 Invert Pan off (Hold 5s) 26–30 Invert Tilt on (Hold 3s) 31–35 Invert Tilt off (Hold 5s) 36–40 Fan Auto (Hold 3s) 41–45 Fan Silent (Hold 5s) 46–50 Fan high (Hold 3s) 51–55 Linear Dimmer Curve (Hold 3s) 56–60 Square Dimmer Curve (Hold 3s) 61–65 Inv-Square Dimmer Curve (Hold 3s) 66–70 S- Dimmer Curve (Hold 3s) 71–75 1200 Hz (hold 3s) 76–80 3600 Hz (hold 3s) 81–85 5000 Hz (hold 3s) 86–90 10000 Hz (hold 3s) 91–95 15000 Hz (hold 3s) 96–100 20000 Hz (hold 3s) 101–105 25000 Hz (hold 3s) 106–110 Reset Pan/Tilt (Hold 3s) 111–115 Reset only Head (Hold 3s) 116–120 Reset All Functions (Hold 3s) 121–125 Standard Mode 126–130 High CRI 131–135 6500K (Default) 136–140 6000K 141–145 3000K 146–255 No function