CKC Lighting

MP5W



Manufacturer	**CKC Lighting**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**17, 20 channels**
Beam angle	**3°**
Pan range	**540°**
Tilt range	**250°**
Size (W × H × D)	**155 × 276 × 189 mm**
GDTF fixture type	**77A41FA7-85FB-4A13-9B7C-40…**

Controls

Focus · Frost · Prism · Prism rotation · Colour wheel · Strobe · Dimmer · Movement speed · Gobos

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Basic 17CH	17 ch
Standard 20CH	20 ch

Basic 17CH

17 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Pan Rotate	0	0–127 no function 128–189 Pan clockwise from fast to slow 190–193 No rotation 194–255 Pan counter-clockwise from slow to fast
4	Tilt Rotate	0	0–127 no function 128–189 Titl clockwise from fast to slow 190–193 No rotation 194–255 Titl counter-clockwise from slow to fast
5	Color Wheel	0	0–4 WHITE (wheel slot 1) 5–11 WHITE / RED (wheel slot 2) 12–18 RED (wheel slot 2) 19–25 RED / LIGHT BLUE (wheel slot 3) 26–32 LIGHT BLUE (wheel slot 3) 33–39 LIGHT BLUE / YELLOW (wheel slot 4) 40–46 YELLOW (wheel slot 4) 47–53 YELLOW /MAGENTA (wheel slot 5) 54–60 MAGENTA (wheel slot 5) 61–67 MAGENTA / GREEN (wheel slot 6) 68–74 GREEN (wheel slot 6) 75–81 GREEN / PURPLE (wheel slot 7) 82–88 PURPLE (wheel slot 7) 89–95 PURPLE /CYAN (wheel slot 8) 96–102 CYAN (wheel slot 8) 103–109 CYAN /ORANGE (wheel slot 9) 110–116 ORANGE (wheel slot 9) 117–123 ORANGE / LIME (wheel slot 10) 124–130 LIME (wheel slot 10) 131–137 LIME / PINK (wheel slot 11) 138–144 PINK (wheel slot 11) 145–151 PINK / AMBER (wheel slot 12) 152–158 AMBER (wheel slot 12) 159–165 AMBER / CTO (wheel slot 13) 166–172 CTO (wheel slot 13) 173–179 CTO / BLUE (wheel slot 14) 180–186 BLUE (wheel slot 14) 187–199 BLUE / WHITE (wheel slot 1) 200–226 Fast to Slow CW 227–228 Stop 229–255 Slow to Fast CCW

Basic 17CH (continued)

Ch	Function	Default	DMX values
6	Gobo	0	0–3 Open (wheel slot 1) 4–7 gobo 1 1 (wheel slot 2) 8–11 gobo 1 2 (wheel slot 3) 12–15 gobo 1 3 (wheel slot 4) 16–19 gobo 1 4 (wheel slot 5) 20–23 gobo 1 5 (wheel slot 6) 24–27 gobo 1 6 (wheel slot 7) 28–31 gobo 1 7 (wheel slot 8) 32–35 gobo 1 8 (wheel slot 9) 36–39 gobo 1 9 (wheel slot 10) 40–43 gobo 1 10 (wheel slot 11) 44–47 gobo 1 11 (wheel slot 12) 48–51 gobo 1 12 (wheel slot 13) 52–55 gobo 1 13 (wheel slot 14) 56–59 gobo 1 14 (wheel slot 15) 60–63 gobo 1 15 (wheel slot 1) 64–73 FixedGobo 1 shake (wheel slot 2) 74–83 FixedGobo 2 shake (wheel slot 3) 84–93 FixedGobo 3 shake (wheel slot 4) 94–103 FixedGobo 4 shake (wheel slot 5) 104–113 FixedGobo 5 shake (wheel slot 6) 114–123 FixedGobo 6 shake (wheel slot 7) 124–133 FixedGobo 7 shake (wheel slot 8) 134–143 FixedGobo 8 shake (wheel slot 9) 144–153 FixedGobo 9 shake (wheel slot 10) 154–163 FixedGobo 10 shake (wheel slot 11) 164–173 FixedGobo 11 shake (wheel slot 12) 174–183 FixedGobo 12 shake (wheel slot 13) 184–193 FixedGobo 13 shake (wheel slot 14) 194–203 FixedGobo 14 shake (wheel slot 15) 204–211 FixedGobo 15 shake (wheel slot 1) 212–232 Clockwise from fast to slow 233–234 Stop 235–255 Counter-clockwise from slow to fast
7	Prism	0	0–31 open (wheel slot 1) 32–255 6 Liner Prism (wheel slot 2)
8	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
9	Prism	0	0–31 open (wheel slot 1) 32–255 8 Facet Prism (wheel slot 2)
10	Prism Rotation	0	0–127 Prism2 indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
11	Shutter / Strobe	96	0–31 Shutter closed 32–63 Shutter open1 64–94 Strobe Slow 95–95 Strobe Fast 96–127 Shutter open2 128–158 Pulse Strobe Slow 159–159 Pulse Strobe Fast 160–191 Shutter open3 192–222 Random Strobe Slow 223–223 Random Strobe Fast 224–255 Shutter open4
12	Dimmer	0	0–254 Closed 255–255 Open
13	Focus	0	

Basic 17CH (continued)

Ch	Function	Default	DMX values
14	Frost1	0	0–225 0-100%(Linear) 226–235 Pulse opening effect from fast to slow 236–245 Pulse closing effect from slow to fast 246–255 Frost at 100%
15	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
16	Position MSpeed	0	0–225 max to min speed 226–235 blackout by movement 236–255 no function
17	Control1	0	0–69 No function 70–79 Pan/Tilt Reset 80–89 All Motors Reset 90–99 No function 100–119 Internal program 1 120–139 Internal program 2 140–159 Internal program 3 160–179 Internal program 4 180–199 Internal program 5 200–219 Internal program 6 220–239 Internal program 7 240–255 No function

Standard 20CH

20 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	Pan Rotate	0	0–127 no function 128–189 Pan clockwise from fast to slow 190–193 No rotation 194–255 Pan counter-clockwise from slow to fast
6	Tilt Rotate	0	0–127 no function 128–189 Titl clockwise from fast to slow 190–193 No rotation 194–255 Titl counter-clockwise from slow to fast

Standard 20CH (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–4 WHITE (wheel slot 1) 5–11 WHITE / RED (wheel slot 2) 12–18 RED (wheel slot 2) 19–25 RED / LIGHT BLUE (wheel slot 3) 26–32 LIGHT BLUE (wheel slot 3) 33–39 LIGHT BLUE / YELLOW (wheel slot 4) 40–46 YELLOW (wheel slot 4) 47–53 YELLOW /MAGENTA (wheel slot 5) 54–60 MAGENTA (wheel slot 5) 61–67 MAGENTA / GREEN (wheel slot 6) 68–74 GREEN (wheel slot 6) 75–81 GREEN / PURPLE (wheel slot 7) 82–88 PURPLE (wheel slot 7) 89–95 PURPLE /CYAN (wheel slot 8) 96–102 CYAN (wheel slot 8) 103–109 CYAN /ORANGE (wheel slot 9) 110–116 ORANGE (wheel slot 9) 117–123 ORANGE / LIME (wheel slot 10) 124–130 LIME (wheel slot 10) 131–137 LIME / PINK (wheel slot 11) 138–144 PINK (wheel slot 11) 145–151 PINK / AMBER (wheel slot 12) 152–158 AMBER (wheel slot 12) 159–165 AMBER / CTO (wheel slot 13) 166–172 CTO (wheel slot 13) 173–179 CTO / BLUE (wheel slot 14) 180–186 BLUE (wheel slot 14) 187–199 BLUE / WHITE (wheel slot 1) 200–226 Fast to Slow CW 227–228 Stop 229–255 Slow to Fast CCW

Standard 20CH (continued)

Ch	Function	Default	DMX values
8	Gobo	0	0–3 Open (wheel slot 1) 4–7 gobo 1 1 (wheel slot 2) 8–11 gobo 1 2 (wheel slot 3) 12–15 gobo 1 3 (wheel slot 4) 16–19 gobo 1 4 (wheel slot 5) 20–23 gobo 1 5 (wheel slot 6) 24–27 gobo 1 6 (wheel slot 7) 28–31 gobo 1 7 (wheel slot 8) 32–35 gobo 1 8 (wheel slot 9) 36–39 gobo 1 9 (wheel slot 10) 40–43 gobo 1 10 (wheel slot 11) 44–47 gobo 1 11 (wheel slot 12) 48–51 gobo 1 12 (wheel slot 13) 52–55 gobo 1 13 (wheel slot 14) 56–59 gobo 1 14 (wheel slot 15) 60–63 gobo 1 15 (wheel slot 1) 64–73 FixedGobo 1 shake (wheel slot 2) 74–83 FixedGobo 2 shake (wheel slot 3) 84–93 FixedGobo 3 shake (wheel slot 4) 94–103 FixedGobo 4 shake (wheel slot 5) 104–113 FixedGobo 5 shake (wheel slot 6) 114–123 FixedGobo 6 shake (wheel slot 7) 124–133 FixedGobo 7 shake (wheel slot 8) 134–143 FixedGobo 8 shake (wheel slot 9) 144–153 FixedGobo 9 shake (wheel slot 10) 154–163 FixedGobo 10 shake (wheel slot 11) 164–173 FixedGobo 11 shake (wheel slot 12) 174–183 FixedGobo 12 shake (wheel slot 13) 184–193 FixedGobo 13 shake (wheel slot 14) 194–203 FixedGobo 14 shake (wheel slot 15) 204–211 FixedGobo 15 shake (wheel slot 1) 212–232 Clockwise from fast to slow 233–234 Stop 235–255 Counter-clockwise from slow to fast
9	Prism	0	0–31 open (wheel slot 1) 32–255 6 Liner Prism (wheel slot 2)
10	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
11	Prism	0	0–31 open (wheel slot 1) 32–255 8 Facet Prism (wheel slot 2)
12	Prism Rotation	0	0–127 Prism2 indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
13	Shutter / Strobe	96	0–31 Shutter closed 32–63 Shutter open1 64–94 Strobe Slow 95–95 Strobe Fast 96–127 Shutter open2 128–158 Pulse Strobe Slow 159–159 Pulse Strobe Fast 160–191 Shutter open3 192–222 Random Strobe Slow 223–223 Random Strobe Fast 224–255 Shutter open4
14	Dimmer	0	0–254 Closed 255–255 Open
15	Dimmer Fine	0	Fine byte of Dimmer

Standard 20CH (continued)

Ch	Function	Default	DMX values
16	Focus	0	
17	Frost1	0	0–225 0-100%(Linear) 226–235 Pulse opening effect from fast to slow 236–245 Pulse closing effect from slow to fast 246–255 Frost at 100%
18	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
19	Position MSpeed	0	0–225 max to min speed 226–235 blackout by movement 236–255 no function
20	Control1	0	0–69 No function 70–79 Pan/Tilt Reset 80–89 All Motors Reset 90–99 No function 100–119 Internal program 1 120–139 Internal program 2 140–159 Internal program 3 160–179 Internal program 4 180–199 Internal program 5 200–219 Internal program 6 220–239 Internal program 7 240–255 No function