CKC Lighting

S2



Manufacturer	**CKC Lighting**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**19, 21, 25 channels**
Beam angle	**11-22°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**200 × 267 × 183 mm**
GDTF fixture type	**6632C6DC-8EF8-4586-BFFE-76…**

Controls

Focus · Frost · Prism · Prism rotation · Zoom · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Basic 19CH	19 ch
Standard 21CH	21 ch
Extended 25CH	25 ch

Basic 19CH

19 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	0	
3	Color Wheel	0	0–7 Open (wheel slot 1) 8–14 Red (wheel slot 2) 15–21 Orange (wheel slot 3) 22–28 Yellow (wheel slot 4) 29–35 Green (wheel slot 5) 36–42 Dark Blue (wheel slot 6) 43–49 Purple (wheel slot 7) 50–56 Light Blue (wheel slot 8) 57–63 Magenta (wheel slot 9) 64–127 Color Mixing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
4	Color Wheel 2	0	0–7 Open (wheel slot 1) 8–14 CTB (wheel slot 2) 15–21 Blue (wheel slot 3) 22–28 CTO 5600K (wheel slot 4) 29–35 Green (wheel slot 5) 36–42 Yellow (wheel slot 6) 43–49 Purple (wheel slot 7) 50–56 CTO 3200K (wheel slot 8) 57–63 Pink (wheel slot 9) 64–127 Color Mixing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
5	Gobo	0	0–4 Open (wheel slot 1) 5–19 Gobo 1 (wheel slot 2) 20–34 Gobo 2 (wheel slot 3) 35–49 Gobo 3 (wheel slot 4) 50–64 Gobo 4 (wheel slot 5) 65–79 Gobo 5 (wheel slot 6) 80–94 Gobo 6 (wheel slot 7) 95–109 Gobo 1 shake (wheel slot 2) 110–124 Gobo 2 shake (wheel slot 3) 125–139 Gobo 3 shake (wheel slot 4) 140–154 Gobo 4 shake (wheel slot 5) 155–169 Gobo 5 shake (wheel slot 6) 170–189 Gobo 6 shake (wheel slot 7) 190–221 Fast to slow CW 222–223 No rotation 224–255 Slow to fast CCW
6	Gobo Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 Stop 194–255 Slow to fast CCW
7	Shutter / Strobe	50	0–31 Shutter closed 32–63 Shutter open1 64–94 Min strobe 95–95 Max strobe 96–127 Shutter open2 128–158 Min pulse 159–159 Max pulse 160–191 Shutter open3 192–222 Min Random 223–223 Max Random 224–255 Shutter open4

Basic 19CH (continued)

Ch	Function	Default	DMX values
8	Dimmer	0	0–254 Intensity 0% 255–255 Intensity 100%
9	Prism	0	0–31 open (wheel slot 1) 32–255 6 facet 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 6 Linear prism (wheel slot 2)
12	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
13	Focus	0	
14	Zoom	0	
15	Frost1	0	
16	Frost2	0	
17	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
18	Position MSpeed	0	0–225 Max to min speed 226–235 Blackout by movement 236–255 No function
19	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) 54–62 Fan Low (Hold 3s) 63–71 Fan Auto (Hold 3s) 72–77 Fan High (Hold 3s) 78–89 Linear Dimmer Curve (hold 3s) 90–101 Square Dimmer Curve (hold 3s) 102–113 Inv-Square Dimmer Curve (hold 3s) 114–125 S - Dimmer Curve (hold 3s) 126–131 900 Hz (hold 3s) 132–137 1000 Hz (hold 3s) 138–143 1100 Hz (hold 3s) 144–149 1200 Hz (hold 3s) 150–155 1300 Hz (hold 3s) 156–161 1400 Hz (hold 3s) 162–167 1500 Hz (hold 3s) 168–173 2500 Hz (hold 3s) 174–179 4000 Hz (hold 3s) 180–191 5000 Hz (hold 3s) 192–197 15000 Hz (hold 3s) 198–203 20000 Hz (hold 3s) 204–209 25000 Hz (hold 3s) 210–221 Reset Pan/Tilt (Hold 3s) 222–233 Reset only Head (Hold 3s) 234–255 Reset All Functions (Hold 3s)

Standard 21CH

21 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	0	Fine byte of Tilt
5	Color Wheel	0	0–7 Open (wheel slot 1) 8–14 Red (wheel slot 2) 15–21 Orange (wheel slot 3) 22–28 Yellow (wheel slot 4) 29–35 Green (wheel slot 5) 36–42 Dark Blue (wheel slot 6) 43–49 Purple (wheel slot 7) 50–56 Light Blue (wheel slot 8) 57–63 Magenta (wheel slot 9) 64–127 Color Mixing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
6	Color Wheel 2	0	0–7 Open (wheel slot 1) 8–14 CTB (wheel slot 2) 15–21 Blue (wheel slot 3) 22–28 CTO 5600K (wheel slot 4) 29–35 Green (wheel slot 5) 36–42 Yellow (wheel slot 6) 43–49 Purple (wheel slot 7) 50–56 CTO 3200K (wheel slot 8) 57–63 Pink (wheel slot 9) 64–127 Color Mixing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
7	Gobo	0	0–4 Open (wheel slot 1) 5–19 Gobo 1 (wheel slot 2) 20–34 Gobo 2 (wheel slot 3) 35–49 Gobo 3 (wheel slot 4) 50–64 Gobo 4 (wheel slot 5) 65–79 Gobo 5 (wheel slot 6) 80–94 Gobo 6 (wheel slot 7) 95–109 Gobo 1 shake (wheel slot 2) 110–124 Gobo 2 shake (wheel slot 3) 125–139 Gobo 3 shake (wheel slot 4) 140–154 Gobo 4 shake (wheel slot 5) 155–169 Gobo 5 shake (wheel slot 6) 170–189 Gobo 6 shake (wheel slot 7) 190–221 Fast to slow CW 222–223 No rotation 224–255 Slow to fast CCW
8	Gobo Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 Stop 194–255 Slow to fast CCW

Standard 21CH (continued)

Ch	Function	Default	DMX values
9	Shutter / Strobe	50	0–31 Shutter closed 32–63 Shutter open1 64–94 Min strobe 95–95 Max strobe 96–127 Shutter open2 128–158 Min pulse 159–159 Max pulse 160–191 Shutter open3 192–222 Min Random 223–223 Max Random 224–255 Shutter open4
10	Dimmer	0	0–254 Intensity 0% 255–255 Intensity 100%
11	Prism	0	0–31 open (wheel slot 1) 32–255 6 facet prism (wheel slot 2)
12	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
13	Prism	0	0–31 open (wheel slot 1) 32–255 6 Linear prism (wheel slot 2)
14	Prism Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
15	Focus	0	
16	Zoom	0	
17	Frost1	0	
18	Frost2	0	
19	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
20	Position MSpeed	0	0–225 Max to min speed 226–235 Blackout by movement 236–255 No function

Standard 21CH (continued)

Ch	Function	Default	DMX values
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) 54–62 Fan Low (Hold 3s) 63–71 Fan Auto (Hold 3s) 72–77 Fan High (Hold 3s) 78–89 Linear Dimmer Curve (hold 3s) 90–101 Square Dimmer Curve (hold 3s) 102–113 Inv-Square Dimmer Curve (hold 3s) 114–125 S - Dimmer Curve (hold 3s) 126–131 900 Hz (hold 3s) 132–137 1000 Hz (hold 3s) 138–143 1100 Hz (hold 3s) 144–149 1200 Hz (hold 3s) 150–155 1300 Hz (hold 3s) 156–161 1400 Hz (hold 3s) 162–167 1500 Hz (hold 3s) 168–173 2500 Hz (hold 3s) 174–179 4000 Hz (hold 3s) 180–191 5000 Hz (hold 3s) 192–197 15000 Hz (hold 3s) 198–203 20000 Hz (hold 3s) 204–209 25000 Hz (hold 3s) 210–221 Reset Pan/Tilt (Hold 3s) 222–233 Reset only Head (Hold 3s) 234–255 Reset All Functions (Hold 3s)

Extended 25CH

25 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	0	Fine byte of Tilt
5	Color Wheel	0	0–7 Open (wheel slot 1) 8–14 Red (wheel slot 2) 15–21 Orange (wheel slot 3) 22–28 Yellow (wheel slot 4) 29–35 Green (wheel slot 5) 36–42 Dark Blue (wheel slot 6) 43–49 Purple (wheel slot 7) 50–56 Light Blue (wheel slot 8) 57–63 Magenta (wheel slot 9) 64–127 Color Mixing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW

Extended 25CH (continued)

Ch	Function	Default	DMX values
6	Color Wheel 2	0	0–7 Open (wheel slot 1) 8–14 CTB (wheel slot 2) 15–21 Blue (wheel slot 3) 22–28 CTO 5600K (wheel slot 4) 29–35 Green (wheel slot 5) 36–42 Yellow (wheel slot 6) 43–49 Purple (wheel slot 7) 50–56 CTO 3200K (wheel slot 8) 57–63 Pink (wheel slot 9) 64–127 Color Mixing 128–189 Fast to slow CW 190–193 No rotation 194–255 Slow to fast CCW
7	Gobo	0	0–4 Open (wheel slot 1) 5–19 Gobo 1 (wheel slot 2) 20–34 Gobo 2 (wheel slot 3) 35–49 Gobo 3 (wheel slot 4) 50–64 Gobo 4 (wheel slot 5) 65–79 Gobo 5 (wheel slot 6) 80–94 Gobo 6 (wheel slot 7) 95–109 Gobo 1 shake (wheel slot 2) 110–124 Gobo 2 shake (wheel slot 3) 125–139 Gobo 3 shake (wheel slot 4) 140–154 Gobo 4 shake (wheel slot 5) 155–169 Gobo 5 shake (wheel slot 6) 170–189 Gobo 6 shake (wheel slot 7) 190–221 Fast to slow CW 222–223 No rotation 224–255 Slow to fast CCW
8	Gobo Rotation	0	0–127 Indexing 128–189 Fast to slow CW 190–193 Stop 194–255 Slow to fast CCW
9	Shutter / Strobe	50	0–31 Shutter closed 32–63 Shutter open1 64–94 Min strobe 95–95 Max strobe 96–127 Shutter open2 128–158 Min pulse 159–159 Max pulse 160–191 Shutter open3 192–222 Min Random 223–223 Max Random 224–255 Shutter open4
10	Dimmer	0	0–254 Intensity 0% 255–255 Intensity 100%
11	Dimmer Fine	0	Fine byte of Dimmer
12	Prism	0	0–31 open (wheel slot 1) 32–255 6 facet prism (wheel slot 2)
13	Prism Rotation	0	0–126 Indexing 127–188 Fast to slow CW 189–192 No rotation 193–255 Slow to fast CCW
14	Prism Rotation Fine	0	Fine byte of Prism Rotation
15	Prism	0	0–31 open (wheel slot 1) 32–255 6 Linear prism (wheel slot 2)

Extended 25CH (continued)

Ch	Function	Default	DMX values
16	Prism Rotation	0	0–126 Indexing 127–188 Fast to slow CW 189–192 No rotation 193–255 Slow to fast CCW
17	Prism Rotation Fine	0	Fine byte of Prism Rotation
18	Focus	0	
19	Zoom	0	
20	Zoom Fine	0	Fine byte of Zoom
21	Frost1	0	
22	Frost2	0	
23	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
24	Position MSpeed	0	0–225 Max to min speed 226–235 Blackout by movement 236–255 No function
25	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) 54–62 Fan Low (Hold 3s) 63–71 Fan Auto (Hold 3s) 72–77 Fan High (Hold 3s) 78–89 Linear Dimmer Curve (hold 3s) 90–101 Square Dimmer Curve (hold 3s) 102–113 Inv-Square Dimmer Curve (hold 3s) 114–125 S - Dimmer Curve (hold 3s) 126–131 900 Hz (hold 3s) 132–137 1000 Hz (hold 3s) 138–143 1100 Hz (hold 3s) 144–149 1200 Hz (hold 3s) 150–155 1300 Hz (hold 3s) 156–161 1400 Hz (hold 3s) 162–167 1500 Hz (hold 3s) 168–173 2500 Hz (hold 3s) 174–179 4000 Hz (hold 3s) 180–191 5000 Hz (hold 3s) 192–197 15000 Hz (hold 3s) 198–203 20000 Hz (hold 3s) 204–209 25000 Hz (hold 3s) 210–221 Reset Pan/Tilt (Hold 3s) 222–233 Reset only Head (Hold 3s) 234–255 Reset All Functions (Hold 3s)