CKC Lighting

VH5IP



Manufacturer	**CKC Lighting**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**27, 30 channels**
Beam angle	**1.6-38°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**306 × 541 × 273 mm**
GDTF fixture type	**0BFEE6DE-C3CB-4951-9221-AC…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset · Strobe

DMX modes

Standard 27CH	27 ch
Extended 30CH	30 ch

Standard 27CH

27 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 min Strobe 95–95 max Strobe 96–127 shutter open(2) 128–158 min pulse 159–159 max pulse 160–191 shutter open(3) 192–222 min Random 223–223 max Random 224–255 shutter open(4)
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	
11	Color Wheel	0	0–5 open (wheel slot 1) 6–118 index 119–120 Open (wheel slot 1) 121–125 Deep Red (wheel slot 2) 126–130 Blue (wheel slot 3) 131–135 Yellow (wheel slot 4) 136–145 Magenta (wheel slot 5) 146–150 Green (wheel slot 6) 151–155 Lavender (wheel slot 7) 156–160 Cyan (wheel slot 8) 161–165 Orange (wheel slot 9) 166–170 Mint (wheel slot 10) 171–175 Pink (wheel slot 11) 176–180 Amber (wheel slot 12) 181–185 CTO 3200K (wheel slot 13) 186–190 Deep Blue (wheel slot 14) 191–192 Colour off (open) (wheel slot 1) 193–223 Fast to Slow CW 224–224 Stop 225–255 Slow to Fast CCW
12	Color Wheel Fine	0	Fine byte of Color Wheel

Standard 27CH (continued)

Ch	Function	Default	DMX values
13	Gobo	0	0–2 Beam Mode (wheel slot 1) 3–5 Spot Mode (wheel slot 1) 6–15 Gobo 1 (wheel slot 2) 16–25 Gobo 2 (wheel slot 3) 26–35 Gobo 3 (wheel slot 4) 36–45 Gobo 4 (wheel slot 5) 46–55 Gobo 5 (wheel slot 6) 56–65 Gobo 6 (wheel slot 7) 66–75 Gobo 7 (wheel slot 8) 76–85 Gobo 8 (wheel slot 9) 86–95 Gobo 9 (wheel slot 10) 96–105 Gobo 1 shake (wheel slot 2) 106–115 Gobo 2 shake (wheel slot 3) 116–125 Gobo 3 shake (wheel slot 4) 126–135 Gobo 4 shake (wheel slot 5) 136–145 Gobo 5 shake (wheel slot 6) 146–155 Gobo 6 shake (wheel slot 7) 156–165 Gobo 7 shake (wheel slot 8) 166–175 Gobo 8 shake (wheel slot 9) 176–190 Gobo 9 shake (wheel slot 10) 191–192 Open (wheel slot 1) 193–223 Fast to Slow CW 224–224 Stop 225–255 Slow to Fast CCW
14	Gobo Rotation	0	0–5 Wheel Position 0 degrees 6–128 Wheel Position 540 degrees 129–191 Slow to Fast CW 192–192 Stop 193–255 Fast to Slow CCW
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
16	Gobo 2	0	0–2 Open (wheel slot 1) 3–11 Gobo 1 (wheel slot 2) 12–20 Gobo 2 (wheel slot 3) 21–29 Gobo 3 (wheel slot 4) 30–38 Gobo 4 (wheel slot 5) 39–47 Gobo 5 (wheel slot 6) 48–56 Gobo 6 (wheel slot 7) 57–65 Gobo 7 (wheel slot 8) 66–74 Gobo 8 (wheel slot 9) 75–83 Gobo 9 (wheel slot 10) 84–92 Gobo 10 (wheel slot 11) 93–101 Gobo 11 (wheel slot 12) 102–110 Gobo 12 (wheel slot 13) 111–119 Gobo 13 (wheel slot 14) 120–131 Open (wheel slot 1) 132–135 Gobo 1 shake (wheel slot 2) 136–139 Gobo 2 shake (wheel slot 3) 140–143 Gobo 3 shake (wheel slot 4) 144–147 Gobo 4 shake (wheel slot 5) 148–151 Gobo 5 shake (wheel slot 6) 152–155 Gobo 6 shake (wheel slot 7) 156–159 Gobo 7 shake (wheel slot 8) 160–163 Gobo 8 shake (wheel slot 9) 164–167 Gobo 9 shake (wheel slot 10) 168–171 Gobo 10 shake (wheel slot 11) 172–175 Gobo 11 shake (wheel slot 12) 176–179 Gobo 12 shake (wheel slot 13) 180–183 Gobo 13 shake (wheel slot 14) 184–191 Open (wheel slot 1) 192–223 Fast to Slow CW 224–224 Stop 225–255 Slow to Fast CCW

Standard 27CH (continued)

Ch	Function	Default	DMX values
17	Zoom	128	0–254 Narrow 255–255 Wide
18	Zoom Fine	0	Fine byte of Zoom
19	Focus	128	
20	Focus Fine	0	Fine byte of Focus
21	Prism	0	0–5 No Prism (wheel slot 1) 6–255 8 Facet Prism (wheel slot 2)
22	Prism Rotation	0	0–5 Rot Off 6–128 Indexing 129–191 Slow to Fast CW 192–192 Stop 193–255 Fast to Slow CCW
23	Prism	0	0–5 Open (wheel slot 1) 6–255 6 Line Prism (wheel slot 2)
24	Prism Rotation	0	0–5 Rot Off 6–128 Indexing 129–191 Slow to Fast CW 192–192 Stop 193–255 Fast to Slow CCW
25	Frost1	0	
26	Position MSpeed	0	0–254 Pan/Tilt Fast 255–255 Pan/Tilt Slow
27	Control1	0	0–1 No function 2–3 OFF Display Backlight 4–5 On Display Backlight 6–35 No function 36–50 Lamp On(Hold 3s) 51–65 Lamp Off(Hold 3s) 66–80 Invert Pan on(Hold 3s) 81–95 Invert Pan off((Hold 5s) 96–110 Invert Tilt on (Hold 3s) 111–125 Invert Tilt off (Hold 5s) 126–200 No function 201–215 Reset Pan/Tilt (Hold 3s) 216–230 Reset only Head (Hold 3s) 231–255 Reset All Functions (Hold 3s)

Extended 30CH

30 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 30CH (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	50	0–31 closed 32–63 open 64–94 min Strobe 95–95 max Strobe 96–127 shutter open(2) 128–158 min pulse 159–159 max pulse 160–191 shutter open(3) 192–222 min Random 223–223 max Random 224–255 shutter open(4)
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	Color Wheel	0	0–5 open (wheel slot 1) 6–118 index 119–120 Open (wheel slot 1) 121–125 Deep Red (wheel slot 2) 126–130 Blue (wheel slot 3) 131–135 Yellow (wheel slot 4) 136–145 Magenta (wheel slot 5) 146–150 Green (wheel slot 6) 151–155 Lavender (wheel slot 7) 156–160 Cyan (wheel slot 8) 161–165 Orange (wheel slot 9) 166–170 Mint (wheel slot 10) 171–175 Pink (wheel slot 11) 176–180 Amber (wheel slot 12) 181–185 CTO 3200K (wheel slot 13) 186–190 Deep Blue (wheel slot 14) 191–192 Colour off (open) (wheel slot 1) 193–223 Fast to Slow CW 224–224 Stop 225–255 Slow to Fast CCW
15	Color Wheel Fine	0	Fine byte of Color Wheel

Extended 30CH (continued)

Ch	Function	Default	DMX values
16	Gobo	0	0–2 Beam Mode (wheel slot 1) 3–5 Spot Mode (wheel slot 1) 6–15 Gobo 1 (wheel slot 2) 16–25 Gobo 2 (wheel slot 3) 26–35 Gobo 3 (wheel slot 4) 36–45 Gobo 4 (wheel slot 5) 46–55 Gobo 5 (wheel slot 6) 56–65 Gobo 6 (wheel slot 7) 66–75 Gobo 7 (wheel slot 8) 76–85 Gobo 8 (wheel slot 9) 86–95 Gobo 9 (wheel slot 10) 96–105 Gobo 1 shake (wheel slot 2) 106–115 Gobo 2 shake (wheel slot 3) 116–125 Gobo 3 shake (wheel slot 4) 126–135 Gobo 4 shake (wheel slot 5) 136–145 Gobo 5 shake (wheel slot 6) 146–155 Gobo 6 shake (wheel slot 7) 156–165 Gobo 7 shake (wheel slot 8) 166–175 Gobo 8 shake (wheel slot 9) 176–190 Gobo 9 shake (wheel slot 10) 191–192 Open (wheel slot 1) 193–223 Fast to Slow CW 224–224 Stop 225–255 Slow to Fast CCW
17	Gobo Rotation	0	0–5 Wheel Position 0 degrees 6–128 Wheel Position 540 degrees 129–191 Slow to Fast CW 192–192 Stop 193–255 Fast to Slow CCW
18	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
19	Gobo 2	0	0–2 Open (wheel slot 1) 3–11 Gobo 1 (wheel slot 2) 12–20 Gobo 2 (wheel slot 3) 21–29 Gobo 3 (wheel slot 4) 30–38 Gobo 4 (wheel slot 5) 39–47 Gobo 5 (wheel slot 6) 48–56 Gobo 6 (wheel slot 7) 57–65 Gobo 7 (wheel slot 8) 66–74 Gobo 8 (wheel slot 9) 75–83 Gobo 9 (wheel slot 10) 84–92 Gobo 10 (wheel slot 11) 93–101 Gobo 11 (wheel slot 12) 102–110 Gobo 12 (wheel slot 13) 111–119 Gobo 13 (wheel slot 14) 120–131 Open (wheel slot 1) 132–135 Gobo 1 shake (wheel slot 2) 136–139 Gobo 2 shake (wheel slot 3) 140–143 Gobo 3 shake (wheel slot 4) 144–147 Gobo 4 shake (wheel slot 5) 148–151 Gobo 5 shake (wheel slot 6) 152–155 Gobo 6 shake (wheel slot 7) 156–159 Gobo 7 shake (wheel slot 8) 160–163 Gobo 8 shake (wheel slot 9) 164–167 Gobo 9 shake (wheel slot 10) 168–171 Gobo 10 shake (wheel slot 11) 172–175 Gobo 11 shake (wheel slot 12) 176–179 Gobo 12 shake (wheel slot 13) 180–183 Gobo 13 shake (wheel slot 14) 184–191 Open (wheel slot 1) 192–223 Fast to Slow CW 224–224 Stop 225–255 Slow to Fast CCW

Extended 30CH (continued)

Ch	Function	Default	DMX values
20	Zoom	128	0–254 Narrow 255–255 Wide
21	Zoom Fine	0	Fine byte of Zoom
22	Focus	128	
23	Focus Fine	0	Fine byte of Focus
24	Prism	0	0–5 No Prism (wheel slot 1) 6–255 8 Facet Prism (wheel slot 2)
25	Prism Rotation	0	0–5 Rot Off 6–128 Indexing 129–191 Slow to Fast CW 192–192 Stop 193–255 Fast to Slow CCW
26	Prism	0	0–5 Open (wheel slot 1) 6–255 6 Line Prism (wheel slot 2)
27	Prism Rotation	0	0–5 Rot Off 6–128 Indexing 129–191 Slow to Fast CW 192–192 Stop 193–255 Fast to Slow CCW
28	Frost1	0	
29	Position MSpeed	0	0–254 Pan/Tilt Fast 255–255 Pan/Tilt Slow
30	Control1	0	0–1 No function 2–3 OFF Display Backlight 4–5 On Display Backlight 6–35 No function 36–50 Lamp On(Hold 3s) 51–65 Lamp Off(Hold 3s) 66–80 Invert Pan on(Hold 3s) 81–95 Invert Pan off((Hold 5s) 96–110 Invert Tilt on (Hold 3s) 111–125 Invert Tilt off (Hold 5s) 126–200 No function 201–215 Reset Pan/Tilt (Hold 3s) 216–230 Reset only Head (Hold 3s) 231–255 Reset All Functions (Hold 3s)