Kadence

BSW 440



Manufacturer	**Kadence**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**30, 34 channels**
Beam angle	**6-30°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**280 × 459 × 286 mm**
GDTF fixture type	**5C3D796D-64CA-4C55-9F92-70…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset · Strobe · Built-in effect programmes

DMX modes

30 Channel	30 ch
34 Channel	34 ch

30 Channel

30 channels

Ch	Function	Default	DMX values
1	Cyan	0	
2	Magenta	0	
3	Yellow	0	
4	Color Wheel	0	0–36 Open (wheel slot 1) 37–102 Straw (wheel slot 2) 103–162 UV (wheel slot 3) 163–212 3200K (wheel slot 4) 213–254 2500K (wheel slot 5) 255–255 Purple (wheel slot 6)
5	Color Wheel 2	0	0–42 Open (wheel slot 1) 43–94 Green (wheel slot 2) 95–146 CTB (wheel slot 3) 147–196 Blue (wheel slot 4) 197–254 Straw (wheel slot 5) 255–255 Red (wheel slot 6)
6	Color3	0	0–50 Open (wheel slot 1) 51–98 Green (wheel slot 2) 99–159 Pink (wheel slot 3) 160–199 Cyan (wheel slot 4) 200–254 Orange (wheel slot 5) 255–255 Yellow (wheel slot 6)
7	Shutter / Strobe	106	0–3 Close 4–103 Strobe 104–107 Open 1 108–207 Pulse 208–212 Open 2 213–225 Random> 226–238 Random>> 239–251 Random>>> 252–255 Open 3
8	Dimmer	0	
9	Dimmer Fine	0	Fine byte of Dimmer

30 Channel (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–3 Open (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–18 Gobo 4 (wheel slot 5) 19–22 Gobo 5 (wheel slot 6) 23–26 Gobo 6 (wheel slot 7) 27–30 Gobo 7 (wheel slot 8) 31–34 Gobo 8 (wheel slot 9) 35–37 Gobo 9 (wheel slot 10) 38–41 Gobo 10 (wheel slot 11) 42–45 Gobo 11 (wheel slot 12) 46–49 Gobo 12 (wheel slot 13) 50–53 Gobo 13 (wheel slot 14) 54–56 Gobo 14 (wheel slot 15) 57–60 Gobo 15 (wheel slot 16) 61–64 Gobo 16 (wheel slot 17) 65–68 Gobo 17 (wheel slot 18) 69–71 Gobo 18 (wheel slot 19) 72–113 CW 114–117 Stop 118–159 CCW 160–165 Gobo 1 Shake (wheel slot 2) 166–170 Gobo 2 Shake (wheel slot 3) 171–175 Gobo 3 Shake (wheel slot 4) 176–181 Gobo 4 Shake (wheel slot 5) 182–186 Gobo 5 Shake (wheel slot 6) 187–191 Gobo 6 Shake (wheel slot 7) 192–197 Gobo 7 Shake (wheel slot 8) 198–202 Gobo 8 Shake (wheel slot 9) 203–207 Gobo 9 Shake (wheel slot 10) 208–213 Gobo 10 Shake (wheel slot 11) 214–218 Gobo 11 Shake (wheel slot 12) 219–223 Gobo 12 Shake (wheel slot 13) 224–229 Gobo 13 Shake (wheel slot 14) 230–234 Gobo 14 Shake (wheel slot 15) 235–239 Gobo 15 Shake (wheel slot 16) 240–245 Gobo 16 Shake (wheel slot 17) 246–250 Gobo 17 Shake (wheel slot 18) 251–255 Gobo 18 Shake (wheel slot 19)
11	Animation Wheel1	0	0–0 Open (wheel slot 1) 1–255 Animation (wheel slot 2)
12	Animation Wheel1Pos Rotate	0	0–50 Stop 51–255 CCW
13	Gobo 2	0	0–18 Linear (wheel slot 1) 19–37 Gobo 1 (wheel slot 2) 38–56 Gobo 2 (wheel slot 3) 57–74 Gobo 3 (wheel slot 4) 75–92 Gobo 4 (wheel slot 5) 93–111 Gobo 5 (wheel slot 6) 112–129 Gobo 6 (wheel slot 7) 130–150 Gobo 1 Shake (wheel slot 2) 151–171 Gobo 2 Shake (wheel slot 3) 172–192 Gobo 3 Shake (wheel slot 4) 193–213 Gobo 4 Shake (wheel slot 5) 214–234 Gobo 5 Shake (wheel slot 6) 235–255 Gobo 6 Shake (wheel slot 7)

30 Channel (continued)

Ch	Function	Default	DMX values
14	Gobo Rotation	0	0–63 Min 64–126 Center 127–127 Max 128–190 CW 191–192 Stop 193–255 CCW
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
16	Prism	0	0–10 Open (wheel slot 1) 11–132 prism 8 (wheel slot 2) 133–255 prism 4 (wheel slot 3)
17	Prism Rotation	0	0–63 Min 64–126 Center 127–127 Max 128–190 CW 191–192 Stop 193–255 CCW
18	Frost1	0	0–254 Open 255–255 Frost
19	Zoom	127	
20	Focus	127	
21	Focus Fine	255	Fine byte of Focus
22	Function	0	0–127 Zoom Mode 128–255 Beam Mode
23	Pan	127	
24	Pan Fine	255	Fine byte of Pan
25	Tilt	127	
26	Tilt Fine	255	Fine byte of Tilt
27	Control1	0	
28	Fixture Global Reset	0	0–25 None 26–76 Trait Reset 77–127 Pan/Tilt Reset 128–255 Reset
29	Lamp Control	0	0–25 None 26–100 Lamp Off 101–255 Lamp On
30	Effect	0	

34 Channel

34 channels

Ch	Function	Default	DMX values
1	Cyan	0	
2	Magenta	0	
3	Yellow	0	
4	Color Wheel	0	0–36 Open (wheel slot 1) 37–102 Straw (wheel slot 2) 103–162 UV (wheel slot 3) 163–212 3200K (wheel slot 4) 213–254 2500K (wheel slot 5) 255–255 Purple (wheel slot 6)

34 Channel (continued)

Ch	Function	Default	DMX values
5	Color Wheel 2	0	0–42 Open (wheel slot 1) 43–94 Green (wheel slot 2) 95–146 CTB (wheel slot 3) 147–196 Blue (wheel slot 4) 197–254 Straw (wheel slot 5) 255–255 Red (wheel slot 6)
6	Color3	0	0–50 Open (wheel slot 1) 51–98 Green (wheel slot 2) 99–159 Pink (wheel slot 3) 160–199 Cyan (wheel slot 4) 200–254 Orange (wheel slot 5) 255–255 Yellow (wheel slot 6)
7	Shutter / Strobe	106	0–3 Close 4–103 Strobe 104–107 Open 1 108–207 Pulse 208–212 Open 2 213–225 Random> 226–238 Random>> 239–251 Random>>> 252–255 Open 3
8	Dimmer	0	
9	Dimmer Fine	0	Fine byte of Dimmer

34 Channel (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–3 Open (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–18 Gobo 4 (wheel slot 5) 19–22 Gobo 5 (wheel slot 6) 23–26 Gobo 6 (wheel slot 7) 27–30 Gobo 7 (wheel slot 8) 31–34 Gobo 8 (wheel slot 9) 35–37 Gobo 9 (wheel slot 10) 38–41 Gobo 10 (wheel slot 11) 42–45 Gobo 11 (wheel slot 12) 46–49 Gobo 12 (wheel slot 13) 50–53 Gobo 13 (wheel slot 14) 54–56 Gobo 14 (wheel slot 15) 57–60 Gobo 15 (wheel slot 16) 61–64 Gobo 16 (wheel slot 17) 65–68 Gobo 17 (wheel slot 18) 69–71 Gobo 18 (wheel slot 19) 72–113 CW 114–117 Stop 118–159 CCW 160–165 Gobo 1 Shake (wheel slot 2) 166–170 Gobo 2 Shake (wheel slot 3) 171–175 Gobo 3 Shake (wheel slot 4) 176–181 Gobo 4 Shake (wheel slot 5) 182–186 Gobo 5 Shake (wheel slot 6) 187–191 Gobo 6 Shake (wheel slot 7) 192–197 Gobo 7 Shake (wheel slot 8) 198–202 Gobo 8 Shake (wheel slot 9) 203–207 Gobo 9 Shake (wheel slot 10) 208–213 Gobo 10 Shake (wheel slot 11) 214–218 Gobo 11 Shake (wheel slot 12) 219–223 Gobo 12 Shake (wheel slot 13) 224–229 Gobo 13 Shake (wheel slot 14) 230–234 Gobo 14 Shake (wheel slot 15) 235–239 Gobo 15 Shake (wheel slot 16) 240–245 Gobo 16 Shake (wheel slot 17) 246–250 Gobo 17 Shake (wheel slot 18) 251–255 Gobo 18 Shake (wheel slot 19)
11	Animation Wheel1	0	0–0 Open (wheel slot 1) 1–255 Animation (wheel slot 2)
12	Animation Wheel1Pos Rotate	127	0–124 CW 125–130 Stop 131–255 CCW
13	Gobo 2	0	0–18 Open (wheel slot 1) 19–37 Gobo 1 (wheel slot 2) 38–56 Gobo 2 (wheel slot 3) 57–74 Gobo 3 (wheel slot 4) 75–92 Gobo 4 (wheel slot 5) 93–111 Gobo 5 (wheel slot 6) 112–129 Gobo 6 (wheel slot 7) 130–150 Gobo 1 Shake (wheel slot 2) 151–171 Gobo 2 Shake (wheel slot 3) 172–192 Gobo 3 Shake (wheel slot 4) 193–213 Gobo 4 Shake (wheel slot 5) 214–234 Gobo 5 Shake (wheel slot 6) 235–255 Gobo 6 Shake (wheel slot 7)

34 Channel (continued)

Ch	Function	Default	DMX values
14	Gobo Rotation 2	0	0–63 Min 64–126 Center 127–127 Max 128–190 CW 191–192 Stop 193–255 CCW
15	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
16	Prism	0	0–10 Open (wheel slot 1) 11–132 Prism 8 (wheel slot 2) 133–255 Prism 4 (wheel slot 3)
17	Prism Rotation	0	0–63 Min 64–126 Center 127–127 Max 128–190 CW 191–192 Stop 193–255 CCW
18	Frost1	0	0–254 Open 255–255 Frost
19	Zoom	127	
20	Focus	127	
21	Focus Fine	255	Fine byte of Focus
22	Function	0	0–127 Zoom Mode 128–255 Beam Mode
23	Pan	127	
24	Pan Fine	255	Fine byte of Pan
25	Tilt	127	
26	Tilt Fine	255	Fine byte of Tilt
27	Control1	0	
28	Fixture Global Reset	0	0–25 None 26–76 Trait Reset 77–127 Pan/Tilt Reset 128–255 Reset
29	Lamp Control	0	0–25 None 26–100 Lamp Off 101–179 Half Power 180–255 Lamp On
30	Effect	0	
31	Position MSpeed	0	
32	Color Mix MSpeed	0	
33	Intensity MSpeed	0	
34	Gobo Wheel1MSpeed	0	