JB-Lighting

M18 Profile



Manufacturer	**JB-Lighting**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**47, 70 channels**
Beam angle	**6.5-54°**
Pan range	**546.74°**
Tilt range	**281.16°**
Size (W × H × D)	**290 × 540 × 290 mm**
GDTF fixture type	**7170F59C-0BF6-4279-8B76-92…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Animation wheel · Gobos · Gobo rotation

DMX modes

Mode 1 (47 ch)	47 ch
Mode 2 (70 ch)	70 ch

Mode 1 (47 ch)

47 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	Control1	0	
6	Shutter / Strobe	16	0–15 closed 16–95 open 96–97 StrobePulseOpen · 20Hz 20–18.6 Hz 98–99 StrobePulseOpen · 15Hz 17.2–15.7 Hz 100–101 StrobePulseOpen · 10Hz 14.3–12.9 Hz 102–104 StrobePulseOpen · 5Hz 11.5–8.63 Hz 105–109 StrobePulseOpen · 1Hz 7.21–1.52 Hz 110–110 StrobePulseOpen · 1/10Hz 0.1 Hz 111–111 open (2) 112–124 Shutter Fade Effect strobe · fade effect slow 1–18.5… 125–125 Shutter Fade Effect strobe · fade effect fast 20 Hz 126–126 open (3) 127–127 closed (2) 128–141 pulse open fast 142–142 pulse open slow 143–143 open (4) 144–157 pulse close fast 158–158 pulse close slow 159–159 closed (3) 160–173 Shutter Fade close strobe · fade close fast 20–1.52 … 174–174 Shutter Fade close strobe · fade close slow 0.1 Hz 175–175 open (5) 176–189 fade open fast 190–190 fade open slow 191–191 closed (4) 192–205 rnd open fast 206–206 rnd open slow 207–207 open (6) 208–221 Shutter Rnd Close strobe · rnd close fast 20–1.52 Hz 222–222 Shutter Rnd Close strobe · rnd close slow 0.1 Hz 223–223 closed (5) 224–238 rnd pulse close fast 239–239 open (7) 240–254 rnd pulse open fast 255–255 open (8)
7	Dimmer	0	0–24 closed 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 open
8	Focus	128	
9	Zoom	128	0–127 narrow 128–254 medium 255–255 wide

Mode 1 (47 ch) (continued)

Ch	Function	Default	DMX values
10	Focus1Distance	0	0–9 off 10–19 1m 20–29 2m 30–39 3m 40–49 4m 50–59 5m 60–69 6m 70–79 7m 80–89 8m 90–99 9m 100–109 10m 110–119 11m 120–129 12m 130–139 13m 140–149 14m 150–159 15m 160–169 16m 170–179 17m 180–189 18m 190–199 19m 200–209 20m 210–219 21m 220–229 22m 230–239 23m 240–249 24m 250–254 25m 255–255 far
11	Focus1Adjust	128	
12	Iris	0	0–254 open 255–255 closed
13	Gobo	0	0–7 open (wheel slot 1) 8–15 gobo 1_1 (wheel slot 2) 16–23 gobo 1_2 (wheel slot 3) 24–31 gobo 1_3 (wheel slot 4) 32–39 gobo 1_4 (wheel slot 5) 40–47 gobo 1_5 (wheel slot 6) 48–55 gobo 1_6 (wheel slot 7) 56–63 gobo 1_7 (wheel slot 8) 64–191 gobo 1_8 (wheel slot 9) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast

Mode 1 (47 ch) (continued)

Ch	Function	Default	DMX values
14	Gobo 2	0	0–7 open (wheel slot 1) 8–15 gobo 2_1 (wheel slot 2) 16–23 gobo 2_2 (wheel slot 3) 24–31 gobo 2_3 (wheel slot 4) 32–39 gobo 2_4 (wheel slot 5) 40–47 gobo 2_5 (wheel slot 6) 48–127 gobo 2_6 (wheel slot 7) 128–134 open (2) fast (wheel slot 1) 135–135 open (2) slow (wheel slot 1) 136–142 gobo 2_1 fast (wheel slot 2) 143–143 gobo 2_1 slow (wheel slot 2) 144–150 gobo 2_2 fast (wheel slot 3) 151–151 gobo 2_2 slow (wheel slot 3) 152–158 gobo 2_3 fast (wheel slot 4) 159–159 gobo 2_3 slow (wheel slot 4) 160–166 gobo 2_4 fast (wheel slot 5) 167–167 gobo 2_4 slow (wheel slot 5) 168–174 gobo 2_5 fast (wheel slot 6) 175–175 gobo 2_5 slow (wheel slot 6) 176–190 gobo 2_6 fast (wheel slot 7) 191–191 gobo 2_6 slow (wheel slot 7) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
15	Gobo Rotation 2	0	0–31 0 32–63 90 64–95 180 96–127 270 128–159 360 160–190 450 191–191 540 192–192 >>> 193–222 rotate 100__1% 223–224 stop 225–254 rotate -1__-100% 255–255 <<<
16	Animation Wheel1	0	0–7 open 8–15 water 16–255 fire
17	Animation Wheel1Pos Rotate	0	0–191 no rotation 192–192 >>> 193–222 rotate 100__1% 223–224 stop 225–254 rotate -1__-100% 255–255 <<<
18	Blade1A	0	0–24 min 25–50 10% 51–75 20% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–203 70% 204–229 80% 230–254 90% 255–255 max

Mode 1 (47 ch) (continued)

Ch	Function	Default	DMX values
19	Blade1B	0	0–24 min 25–50 10% 51–75 20% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–203 70% 204–229 80% 230–254 90% 255–255 max
20	Blade3A	0	0–24 min 25–50 10% 51–75 20% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–203 70% 204–229 80% 230–254 90% 255–255 max
21	Blade3B	0	0–24 min 25–50 10% 51–75 20% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–203 70% 204–229 80% 230–254 90% 255–255 max
22	Blade2A	0	0–24 min 25–50 10% 51–75 20% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–203 70% 204–229 80% 230–254 90% 255–255 max
23	Blade2B	0	0–24 min 25–50 10% 51–75 20% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–203 70% 204–229 80% 230–254 90% 255–255 max

Mode 1 (47 ch) (continued)

Ch	Function	Default	DMX values
24	Blade4A	0	0–24 min 25–50 10% 51–75 20% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–203 70% 204–229 80% 230–254 90% 255–255 max
25	Blade4B	0	0–24 min 25–50 10% 51–75 20% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–203 70% 204–229 80% 230–254 90% 255–255 max
26	Shaper Rot	128	0–9 65 10–19 60 20–28 55 29–38 50 39–48 45 49–58 40 59–68 35 69–77 30 78–87 25 88–97 20 98–107 15 108–117 10 118–127 5 128–136 0 137–146 -5 147–156 -10 157–166 -15 167–176 -20 177–185 -25 186–195 -30 196–205 -35 206–215 -40 216–225 -45 226–234 -50 235–244 -55 245–254 -60 255–255 -65

Mode 1 (47 ch) (continued)

Ch	Function	Default	DMX values
27	Color Wheel	0	0–1 open (wheel slot 1) 2–3 white / red (wheel slot 1) 4–5 red (wheel slot 2) 6–7 red / yellow (wheel slot 2) 8–9 yellow (wheel slot 3) 10–11 yellow / magenta (wheel slot 3) 12–13 magenta (wheel slot 4) 14–15 magenta / green (wheel slot 4) 16–17 green (wheel slot 5) 18–19 green / orange (wheel slot 5) 20–21 orange (wheel slot 6) 22–23 orange / blue (wheel slot 6) 24–25 blue (wheel slot 7) 26–27 blue / cri (wheel slot 7) 28–29 cri (wheel slot 8) 30–63 cri / white (wheel slot 8) 64–79 open (2) (wheel slot 1) 80–95 red (wheel slot 2) 96–111 yellow (wheel slot 3) 112–127 magenta (wheel slot 4) 128–143 green (wheel slot 5) 144–159 orange (wheel slot 6) 160–175 blue (wheel slot 7) 176–190 cri (wheel slot 8) 191–191 open (3) (wheel slot 1) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
28	Red	255	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
29	Green	255	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
30	Blue	255	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
31	Color Add RY	255	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
32	Color Add GY	255	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
33	White	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max

Mode 1 (47 ch) (continued)

Ch	Function	Default	DMX values
34	C TO	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
35	C RIMode	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
36	Sparkle	0	0–63 0% sparkle 64–127 25% sparkle 128–190 50% sparkle 191–254 75% sparkle 255–255 100% sparkle
37	Sparkle Speed	0	0–0 sparkle faded slow 1–30 sparkle faded 1__99% 31–31 sparkle faded fast 32–32 sparkle switched slow 33–62 sparkle switched 1__99% 63–63 sparkle switched fast 64–64 sparkle faded slow 65–94 sparkle faded 1__99% 95–95 sparkle faded fast 96–96 sparkle switched slow 97–126 sparkle switched 1__99% 127–127 sparkle switched fast 128–128 sparkle faded slow 129–158 sparkle faded 1__99% 159–159 sparkle faded fast 160–160 sparkle switched slow 161–190 sparkle switched 1__99% 191–191 sparkle switched fast 192–192 sparkle faded slow 193–222 sparkle faded 1__99% 223–223 sparkle faded fast 224–224 sparkle switched slow 225–254 sparkle switched 1__99% 255–255 sparkle switched fast
38	Prism	0	0–7 open (wheel slot 1) 8–255 5 facet linear (wheel slot 2)
39	Prism Rotation	0	0–31 0 32–63 90 64–95 180 96–127 270 128–158 360 159–190 450 191–191 540 192–192 >>> 193–222 rotate 100__1% 223–224 stop 225–254 rotate -1__-100% 255–255 <<<
40	Prism	0	0–7 open (wheel slot 1) 8–255 3 facet circular (wheel slot 2)

Mode 1 (47 ch) (continued)

Ch	Function	Default	DMX values
41	Prism Rotation	0	0–31 0 32–63 90 64–95 180 96–127 270 128–158 360 159–190 450 191–191 540 192–192 >>> 193–222 rotate 100__1% 223–224 stop 225–254 rotate -1__-100% 255–255 <<<
42	Frost1	0	0–63 0% frost 64–127 25% frost 128–190 50% frost 191–254 75% frost 255–255 100% frost
43	Frost2	0	0–63 0% frost 64–127 25% frost 128–190 50% frost 191–254 75% frost 255–255 100% frost
44	Tint	0	0–0 no shift 1–127 -99_0 green 128–128 no shift 129–255 0_+99 green
45	Position MSpeed	0	0–3 real time movement 4–254 movement fast 255–255 movement slow
46	Global MSpeed	0	0–3 realtime effects 4–254 effects fast 255–255 effects slow
47	Blackout Mode	0	0–95 no bo 96–126 bo at p/t slow 127–127 bo at p/t fast 128–158 bo at go co pr cmy ir fr slow 159–159 bo at go co pr cmy ir fr fast 160–190 bo at go co pr cmy ir fr fo zo slow 191–191 bo at go co pr cmy ir fr fo zo fast 192–222 bo at go co pr cmy ir fr p/t slow 223–223 bo at go co pr cmy ir fr p/t fast 224–254 bo at go co pr cmy ir fr fo zo p/t slow 255–255 bo at go co pr cmy ir fr fo zo p/t fast

Mode 2 (70 ch)

70 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	Control1	0	

Mode 2 (70 ch) (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	16	0–15 closed 16–95 open 96–97 StrobePulseOpen · 20Hz 20–18.6 Hz 98–99 StrobePulseOpen · 15Hz 17.2–15.7 Hz 100–101 StrobePulseOpen · 10Hz 14.3–12.9 Hz 102–104 StrobePulseOpen · 5Hz 11.5–8.63 Hz 105–109 StrobePulseOpen · 1Hz 7.21–1.52 Hz 110–110 StrobePulseOpen · 1/10Hz 0.1 Hz 111–111 open (2) 112–124 Shutter Fade Effect strobe · fade effect slow 1–18.5... 125–125 Shutter Fade Effect strobe · fade effect fast 20 Hz 126–126 open (3) 127–127 closed (2) 128–141 pulse open fast 142–142 pulse open slow 143–143 open (4) 144–157 pulse close fast 158–158 pulse close slow 159–159 closed (3) 160–173 Shutter Fade close strobe · fade close fast 20–1.52 ... 174–174 Shutter Fade close strobe · fade close slow 0.1 Hz 175–175 open (5) 176–189 fade open fast 190–190 fade open slow 191–191 closed (4) 192–205 rnd open fast 206–206 rnd open slow 207–207 open (6) 208–221 Shutter Rnd Close strobe · rnd close fast 20–1.52 Hz 222–222 Shutter Rnd Close strobe · rnd close slow 0.1 Hz 223–223 closed (5) 224–238 rnd pulse close fast 239–239 open (7) 240–254 rnd pulse open fast 255–255 open (8)
7	Dimmer	0	
8	Dimmer Fine	0	Fine byte of Dimmer
9	Focus	128	
10	Focus Fine	0	Fine byte of Focus
11	Zoom	128	
12	Zoom Fine	0	Fine byte of Zoom
13	Focus1Distance	0	
14	Focus1Adjust	128	
15	Iris	0	
16	Iris Fine	0	Fine byte of Iris
17	Gobo	0	0–7 open (wheel slot 1) 8–15 gobo 1_1 (wheel slot 2) 16–23 gobo 1_2 (wheel slot 3) 24–31 gobo 1_3 (wheel slot 4) 32–39 gobo 1_4 (wheel slot 5) 40–47 gobo 1_5 (wheel slot 6) 48–55 gobo 1_6 (wheel slot 7) 56–63 gobo 1_7 (wheel slot 8) 64–191 gobo 1_8 (wheel slot 9) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast

Mode 2 (70 ch) (continued)

Ch	Function	Default	DMX values
18	Gobo 2	0	0–7 open (wheel slot 1) 8–15 gobo 2_1 (wheel slot 2) 16–23 gobo 2_2 (wheel slot 3) 24–31 gobo 2_3 (wheel slot 4) 32–39 gobo 2_4 (wheel slot 5) 40–47 gobo 2_5 (wheel slot 6) 48–127 gobo 2_6 (wheel slot 7) 128–134 open (2) fast (wheel slot 1) 135–135 open (2) slow (wheel slot 1) 136–142 gobo 2_1 fast (wheel slot 2) 143–143 gobo 2_1 slow (wheel slot 2) 144–150 gobo 2_2 fast (wheel slot 3) 151–151 gobo 2_2 slow (wheel slot 3) 152–158 gobo 2_3 fast (wheel slot 4) 159–159 gobo 2_3 slow (wheel slot 4) 160–166 gobo 2_4 fast (wheel slot 5) 167–167 gobo 2_4 slow (wheel slot 5) 168–174 gobo 2_5 fast (wheel slot 6) 175–175 gobo 2_5 slow (wheel slot 6) 176–190 gobo 2_6 fast (wheel slot 7) 191–191 gobo 2_6 slow (wheel slot 7) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
19	Gobo Rotation 2	0	0–31 0 32–63 90 64–95 180 96–127 270 128–159 360 160–190 450 191–191 540 192–222 >>> 223–224 stop 225–254 rotate -1__-100% 255–255 <<<
20	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
21	Animation Wheel1	0	
22	Animation Wheel1Pos Rotate	0	
23	Blade1A	0	
24	Blade1A Fine	0	Fine byte of Blade1A
25	Blade1B	0	
26	Blade1B Fine	0	Fine byte of Blade1B
27	Blade3A	0	
28	Blade3A Fine	0	Fine byte of Blade3A
29	Blade3B	0	
30	Blade3B Fine	0	Fine byte of Blade3B
31	Blade2A	0	
32	Blade2A Fine	0	Fine byte of Blade2A
33	Blade2B	0	
34	Blade2B Fine	0	Fine byte of Blade2B
35	Blade4A	0	
36	Blade4A Fine	0	Fine byte of Blade4A
37	Blade4B	0	
38	Blade4B Fine	0	Fine byte of Blade4B

Mode 2 (70 ch) (continued)

Ch	Function	Default	DMX values
39	Shaper Rot	128	
40	Shaper Rot Fine	0	Fine byte of Shaper Rot
41	Color Wheel	0	0–1 open (wheel slot 1) 2–3 white / red (wheel slot 1) 4–5 red (wheel slot 2) 6–7 red / yellow (wheel slot 2) 8–9 yellow (wheel slot 3) 10–11 yellow / magenta (wheel slot 3) 12–13 magenta (wheel slot 4) 14–15 magenta / green (wheel slot 4) 16–17 green (wheel slot 5) 18–19 green / orange (wheel slot 5) 20–21 orange (wheel slot 6) 22–23 orange / blue (wheel slot 6) 24–25 blue (wheel slot 7) 26–27 blue / pink (wheel slot 7) 28–29 cri (wheel slot 8) 30–63 cri / white (wheel slot 8) 64–79 open (2) (wheel slot 1) 80–95 red (wheel slot 2) 96–111 yellow (wheel slot 3) 112–127 magenta (wheel slot 4) 128–143 green (wheel slot 5) 144–159 orange (wheel slot 6) 160–175 blue (wheel slot 7) 176–190 cri (wheel slot 8) 191–191 open (3) (wheel slot 1) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
42	Red	255	
43	Red Fine	255	Fine byte of Red
44	Green	255	
45	Green Fine	255	Fine byte of Green
46	Blue	255	
47	Blue Fine	255	Fine byte of Blue
48	Color Add RY	255	
49	Color Add RY Fine	255	Fine byte of Color Add RY
50	Color Add GY	255	
51	Color Add GY Fine	255	Fine byte of Color Add GY
52	White	255	
53	White Fine	255	Fine byte of White
54	C TO	0	
55	C TO Fine	0	Fine byte of C TO
56	C RIMode	0	
57	Sparkle	0	
58	Sparkle Speed	0	
59	Prism	0	0–7 open (wheel slot 1) 8–255 5 facet linear (wheel slot 2)
60	Prism Rotation	0	
61	Prism Rotation Fine	0	Fine byte of Prism Rotation
62	Prism	0	0–7 open (wheel slot 1) 8–255 3 facet circular (wheel slot 2)

Mode 2 (70 ch) (continued)

Ch	Function	Default	DMX values
63	Prism Rotation	0	
64	Prism Rotation Fine	0	Fine byte of Prism Rotation
65	Frost1	0	
66	Frost2	0	
67	Tint	0	
68	Position MSpeed	0	
69	Global MSpeed	0	
70	Blackout Mode	0	