JB-Lighting

P9 Beamspot HP



Manufacturer	**JB-Lighting**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**29, 39 channels**
Beam angle	**5.7-60°**
Pan range	**546.74°**
Tilt range	**281.16°**
Size (W × H × D)	**255 × 412 × 220 mm**
GDTF fixture type	**1314111C-92F1-4AD1-A36C-26…**

Controls

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

Safety-relevant functions

Built-in effect programmes

DMX modes

Mode 1 (29 ch)	29 ch
Mode 2 (39 ch)	39 ch

Mode 1 (29 ch)

29 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 (29 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) 64–71 gobo 1_8 (wheel slot 9) 72–79 gobo 1_9 (wheel slot 10) 80–87 gobo 1_10 (wheel slot 11) 88–191 gobo 1_11 (wheel slot 12) 192–223 spin >>> fast 224–255 spin <<< slow

Mode 1 (29 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) 48–55 gobo 2_6 (wheel slot 7) 56–127 gobo 2_7 (wheel slot 8) 128–135 open (2) (wheel slot 1) 136–143 gobo 2_1 (wheel slot 2) 144–151 gobo 2_2 (wheel slot 3) 152–159 gobo 2_3 (wheel slot 4) 160–167 gobo 2_4 (wheel slot 5) 168–175 gobo 2_5 (wheel slot 6) 176–183 gobo 2_6 (wheel slot 7) 184–191 gobo 2_7 (wheel slot 8) 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 96–127 270 128–159 360 160–190 450 191–191 540 192–222 >>> 223–224 stop 225–255 <<<

Mode 1 (29 ch) (continued)

Ch	Function	Default	DMX values
16	Color Wheel	0	0–0 open color shift gobo on (wheel slot 1) 1–1 open color shift gobo off (wheel slot 1) 2–3 white / ctb (wheel slot 1) 4–5 ctb (wheel slot 2) 6–7 ctb / red (wheel slot 2) 8–9 red (wheel slot 3) 10–11 red / yellow (wheel slot 3) 12–13 yellow (wheel slot 4) 14–15 yellow / magenta (wheel slot 4) 16–17 magenta (wheel slot 5) 18–19 magenta / green (wheel slot 5) 20–21 green (wheel slot 6) 22–23 green / orange (wheel slot 6) 24–25 orange (wheel slot 7) 26–27 orange / blue (wheel slot 7) 28–29 blue (wheel slot 8) 30–31 blue / pink (wheel slot 8) 32–33 pink (wheel slot 9) 34–35 pink / hcri (wheel slot 9) 36–37 hcri (wheel slot 10) 38–63 cto (wheel slot 11) 64–74 open (2) (wheel slot 1) 75–85 ctb (wheel slot 2) 86–96 red (wheel slot 3) 97–107 yellow (wheel slot 4) 108–118 magenta (wheel slot 5) 119–129 green (wheel slot 6) 130–140 orange (wheel slot 7) 141–151 blue (wheel slot 8) 152–162 pink (wheel slot 9) 163–173 hcri (wheel slot 10) 174–184 cto (wheel slot 11) 185–191 open (3) (wheel slot 1) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
17	Cyan	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
18	Magenta	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
19	Yellow	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
20	C TO	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 100%

Mode 1 (29 ch) (continued)

Ch	Function	Default	DMX values
21	Sparkle	0	0–63 0% sparkle 64–127 25% sparkle 128–190 50% sparkle 191–254 75% sparkle 255–255 100% sparkle
22	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
23	Prism	0	
24	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 <<<
25	Frost1	0	0–63 0% frost 64–127 25% frost 128–190 50% frost 191–254 75% frost 255–255 100% frost

Mode 1 (29 ch) (continued)

Ch	Function	Default	DMX values
26	Effect	0	0–0 no macro 1–1 macro 01 2–2 macro 02 3–3 macro 03 4–4 macro 04 5–5 macro 05 6–6 macro 06 7–7 macro 07 8–8 macro 08 9–9 macro 09 10–10 macro 10 11–11 macro 11 12–12 macro 12 13–13 macro 13 14–14 macro 14 15–15 macro 15 16–16 macro 16 17–17 macro 17 18–18 macro 18 19–19 macro 19 20–20 macro 20 21–21 macro 21 22–22 macro 22 23–23 macro 23 24–24 macro 24 25–25 macro 25 26–26 macro 26 27–27 macro 27 28–28 macro 28 29–29 macro 29 30–30 macro 30 31–31 macro 31 32–32 macro 32 33–33 macro 33 34–34 macro 34 35–35 macro 35 36–36 macro 36 37–37 macro 37 38–38 macro 38 39–39 macro 39 40–40 macro 40 41–41 macro 41 42–42 macro 42 43–43 macro 43 44–44 macro 44 45–45 macro 45 46–46 macro 46 47–47 macro 47 48–48 macro 48 49–49 macro 49 50–255 macro 50
27	Position MSpeed	0	0–3 real time movement 4–254 movement fast 255–255 movement slow
28	Global MSpeed	0	0–3 realtime effects 4–254 effects fast 255–255 effects slow

Mode 1 (29 ch) (continued)

Ch	Function	Default	DMX values
29	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 (39 ch)

39 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)

Mode 2 (39 ch) (continued)

Ch	Function	Default	DMX values
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	Dimmer Fine	0	Fine byte of Dimmer
9	Focus	128	
10	Focus Fine	0	Fine byte of Focus
11	Zoom	128	0–127 narrow 128–254 medium 255–255 wide
12	Zoom Fine	0	Fine byte of Zoom
13	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
14	Focus1Adjust	128	
15	Iris	0	0–254 open 255–255 closed
16	Iris Fine	0	Fine byte of Iris

Mode 2 (39 ch) (continued)

Ch	Function	Default	DMX values
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) 64–71 gobo 1_8 (wheel slot 9) 72–79 gobo 1_9 (wheel slot 10) 80–87 gobo 1_10 (wheel slot 11) 88–127 gobo 1_11 (wheel slot 12) 128–135 open (2) (wheel slot 1) 136–142 gobo 1_1 fast (wheel slot 2) 143–143 gobo 1_1 slow (wheel slot 2) 144–150 gobo 1_2 fast (wheel slot 3) 151–151 gobo 1_2 slow (wheel slot 3) 152–158 gobo 1_3 fast (wheel slot 4) 159–159 gobo 1_3 slow (wheel slot 4) 160–166 gobo 1_4 fast (wheel slot 5) 167–167 gobo 1_4 slow (wheel slot 5) 168–174 gobo 1_5 fast (wheel slot 6) 175–175 gobo 1_5 slow (wheel slot 6) 176–190 gobo 1_6 fast (wheel slot 7) 191–191 gobo 1_6 slow (wheel slot 7) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
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) 48–55 gobo 2_6 (wheel slot 7) 56–127 gobo 2_7 (wheel slot 8) 128–134 open (2) fast 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

Mode 2 (39 ch) (continued)

Ch	Function	Default	DMX values
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	Color Wheel	0	0–0 open color shift gobo on (wheel slot 1) 1–1 open color shift gobo off (wheel slot 1) 2–3 white / ctb (wheel slot 1) 4–5 ctb (wheel slot 2) 6–7 ctb / red (wheel slot 2) 8–9 red (wheel slot 3) 10–11 red / yellow (wheel slot 3) 12–13 yellow (wheel slot 4) 14–15 yellow / magenta (wheel slot 4) 16–17 magenta (wheel slot 5) 18–19 magenta / green (wheel slot 5) 20–21 green (wheel slot 6) 22–23 green / orange (wheel slot 6) 24–25 orange (wheel slot 7) 26–27 orange / blue (wheel slot 7) 28–29 blue (wheel slot 8) 30–31 blue / pink (wheel slot 8) 32–33 pink (wheel slot 9) 34–35 pink / hcri (wheel slot 9) 36–37 hcri (wheel slot 10) 38–63 cto (wheel slot 11) 64–74 open (2) (wheel slot 1) 75–85 ctb (wheel slot 2) 86–96 red (wheel slot 3) 97–107 yellow (wheel slot 4) 108–118 magenta (wheel slot 5) 119–129 green (wheel slot 6) 130–140 orange (wheel slot 7) 141–151 blue (wheel slot 8) 152–162 pink (wheel slot 9) 163–173 hcri (wheel slot 10) 174–184 cto (wheel slot 11) 185–191 open (3) (wheel slot 1) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
22	Cyan	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
23	Cyan Fine	0	Fine byte of Cyan
24	Magenta	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
25	Magenta Fine	0	Fine byte of Magenta

Mode 2 (39 ch) (continued)

Ch	Function	Default	DMX values
26	Yellow	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
27	Yellow Fine	0	Fine byte of Yellow
28	C TO	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
29	C TO Fine	0	Fine byte of C TO
30	Sparkle	0	0–63 0% sparkle 64–127 25% sparkle 128–190 50% sparkle 191–254 75% sparkle 255–255 100% sparkle
31	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
32	Prism	0	0–7 open (wheel slot 1) 8–255 3 facet circular (wheel slot 2)
33	Prism Rotation	0	0–31 0 32–63 90 64–95 180 96–127 270 128–158 360 159–190 450 191–191 540 192–222 >>> 223–224 stop 225–254 rotate -1__-100% 255–255 <<<
34	Prism Rotation Fine	0	Fine byte of Prism Rotation

Mode 2 (39 ch) (continued)

Ch	Function	Default	DMX values
35	Frost1	0	0–63 0% frost 64–127 25% frost 128–190 50% frost 191–254 75% frost 255–255 100% frost
36	Effect	0	0–0 no macro 1–1 macro 01 2–2 macro 02 3–3 macro 03 4–4 macro 04 5–5 macro 05 6–6 macro 06 7–7 macro 07 8–8 macro 08 9–9 macro 09 10–10 macro 10 11–11 macro 11 12–12 macro 12 13–13 macro 13 14–14 macro 14 15–15 macro 15 16–16 macro 16 17–17 macro 17 18–18 macro 18 19–19 macro 19 20–20 macro 20 21–21 macro 21 22–22 macro 22 23–23 macro 23 24–24 macro 24 25–25 macro 25 26–26 macro 26 27–27 macro 27 28–28 macro 28 29–29 macro 29 30–30 macro 30 31–31 macro 31 32–32 macro 32 33–33 macro 33 34–34 macro 34 35–35 macro 35 36–36 macro 36 37–37 macro 37 38–38 macro 38 39–39 macro 39 40–40 macro 40 41–41 macro 41 42–42 macro 42 43–43 macro 43 44–44 macro 44 45–45 macro 45 46–46 macro 46 47–47 macro 47 48–48 macro 48 49–49 macro 49 50–255 macro 50
37	Position MSpeed	0	0–3 real time movement 4–254 movement fast 255–255 movement slow
38	Global MSpeed	0	0–3 realtime effects 4–254 effects fast 255–255 effects slow

Mode 2 (39 ch) (continued)

Ch	Function	Default	DMX values
39	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