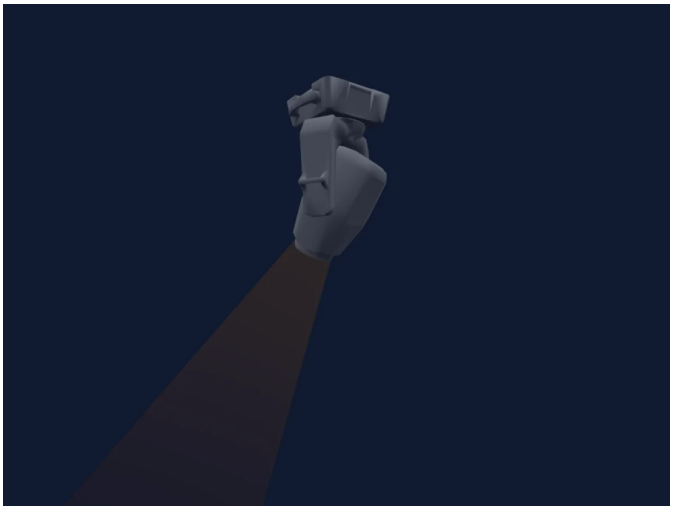
JB-Lighting

P5 Beamspot HP



Manufacturer	**JB-Lighting**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**25, 32 channels**
Beam angle	**3.4-54°**
Pan range	**541.44°**
Tilt range	**281°**
Size (W × H × D)	**207 × 334 × 154 mm**
GDTF fixture type	**500E9443-A1B1-4BF8-A6F8-EE…**

Controls

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

DMX modes

Mode 1 CMY (25 ch)	25 ch
Mode 1 RGB (25 ch)	25 ch
Mode 2 CMY (32 ch)	32 ch
Mode 2 RGB (32 ch)	32 ch

Mode 1 CMY (25 ch)

25 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	95	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) 224–237 rnd pulse close fast 238–238 rnd pulse close slow 239–239 open (7) 240–253 rnd pulse open fast 254–254 rnd pulse open slow 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	26	0–127 min 128–254 medium 255–255 max

Mode 1 CMY (25 ch) (continued)

Ch	Function	Default	DMX values
9	Zoom	21	0–127 narrow 128–254 medium 255–255 wide
10	Gobo	0	0–7 Open (wheel slot 1) 8–15 1 Bamboo2 (wheel slot 2) 16–23 2 Mystic Knot (wheel slot 3) 24–31 3 Crescents (wheel slot 4) 32–39 4 Breakup small (wheel slot 5) 40–47 5 8 Rings (wheel slot 6) 48–55 6 Circle (wheel slot 7) 56–63 7 Square (wheel slot 8) 64–71 8 Dash Horizontal (wheel slot 9) 72–79 9 Dash Vetical (wheel slot 10) 80–87 10 Dots (wheel slot 11) 88–191 11 Reducer (wheel slot 12) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
11	Gobo 2	0	0–7 open (wheel slot 1) 8–15 1 Point Line (wheel slot 2) 16–23 2 Sonar (wheel slot 3) 24–31 3 Scorpion (wheel slot 4) 32–39 4 Nightsky (wheel slot 5) 40–47 5 Waves (wheel slot 6) 48–55 6 Multicolor (wheel slot 7) 56–127 7 Waterdrop (wheel slot 8) 128–135 open (wheel slot 1) 136–142 1 Point Line shake fast (wheel slot 2) 143–143 1 Point Line shake slow (wheel slot 2) 144–150 2 Sonar shake fast (wheel slot 3) 151–151 2 Sonar shake slow (wheel slot 3) 152–158 3 Scorpion shake fast (wheel slot 4) 159–159 3 Scorpion shake slow (wheel slot 4) 160–166 4 Nightsky shake fast (wheel slot 5) 167–167 4 Nightsky shake slow (wheel slot 5) 168–174 5 Waves shake fast (wheel slot 6) 175–175 5 Waves shake slow (wheel slot 6) 176–182 6 Multicolor shake fast (wheel slot 7) 183–183 6 Multicolor shake slow (wheel slot 7) 184–190 6 Waterdrop shake fast (wheel slot 8) 191–191 6 Waterdrop shake slow (wheel slot 8) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
12	Gobo Rotation 2	223	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 <<<

Mode 1 CMY (25 ch) (continued)

Ch	Function	Default	DMX values
13	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 open / 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 / uv (wheel slot 9) 36–37 uv (wheel slot 10) 38–39 uv / cto (wheel slot 10) 40–41 cto (wheel slot 11) 42–43 cto / high cri (wheel slot 11) 44–45 high cri (wheel slot 12) 46–63 high cri/ open (wheel slot 12) 64–73 open (wheel slot 1) 74–83 ctb (wheel slot 2) 84–92 red (wheel slot 3) 93–102 yellow (wheel slot 4) 103–112 magenta (wheel slot 5) 113–122 green (wheel slot 6) 123–131 orange (wheel slot 7) 132–141 blue (wheel slot 8) 142–151 pink (wheel slot 9) 152–161 uv (wheel slot 10) 162–170 cto (wheel slot 11) 171–180 High CRI (wheel slot 12) 181–191 open (wheel slot 1) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
14	Cyan	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
15	Magenta	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
16	Yellow	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
17	C TC	68	

Mode 1 CMY (25 ch) (continued)

Ch	Function	Default	DMX values
18	Tint	128	0–0 black body shift OFF 1–1 -100 Minus Green 2–126 Minus Green 127–127 -1 Minus Green 128–128 Neutral 129–129 +1 Plus Green 130–254 Plus Green 255–255 +100 Plus Green
19	Prism	0	0–7 open (wheel slot 1) 8–15 3 facet circular (wheel slot 2) 16–23 prism step 1 (wheel slot 2) 24–31 prism step 2 (wheel slot 2) 32–39 prism step 3 (wheel slot 2) 40–255 3 facet circular (wheel slot 2)
20	Prism Rotation	224	0–20 0 (wheel slot 2) 21–41 90 (wheel slot 2) 42–62 180 (wheel slot 2) 63–83 270 (wheel slot 2) 84–104 360 (wheel slot 2) 105–126 450 (wheel slot 2) 127–127 540 (wheel slot 2) 128–136 prism shake 1 rapid (wheel slot 2) 137–145 prism shake 2 (wheel slot 2) 146–154 prism shake 3 (wheel slot 2) 155–163 prism shake 4 medium (wheel slot 2) 164–172 prism shake 5 (wheel slot 2) 173–181 prism shake 6 (wheel slot 2) 182–191 prism shake 7 slow (wheel slot 2) 192–192 >>> (wheel slot 2) 193–222 rotate 100__1% (wheel slot 2) 223–224 stop (wheel slot 2) 225–254 rotate -1__-100% (wheel slot 2) 255–255 <<< (wheel slot 2)
21	Frost1	0	0–63 0% frost 64–127 25% frost 128–190 50% frost 191–254 75% frost 255–255 100% frost
22	Position MSpeed	0	0–3 real time motion 4–254 motion rapid 255–255 movtion slow
23	Global MSpeed	0	0–3 realtime effects 4–254 effects rapid 255–255 effects slow
24	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 fr slow 159–159 bo at go co pr cmy fr fast 160–190 bo at go co pr cmy fr fo zo slow 191–191 bo at go co pr cmy fr fo zo fast 192–222 bo at go co pr cmy fr p/t slow 223–223 bo at go co pr cmy fr p/t fast 224–254 bo at go co pr cmy fr fo zo p/t slow 255–255 bo at go co pr cmy fr fo zo p/t fast
25	No Feature	0	

Mode 1 RGB (25 ch)

25 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	116	
6	Shutter / Strobe	95	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) 224–237 rnd pulse close fast 238–238 rnd pulse close slow 239–239 open (7) 240–253 rnd pulse open fast 254–254 rnd pulse open slow 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	26	0–127 min 128–254 medium 255–255 max

Mode 1 RGB (25 ch) (continued)

Ch	Function	Default	DMX values
9	Zoom	21	0–127 narrow 128–254 medium 255–255 wide
10	Gobo	0	0–7 Open (wheel slot 1) 8–15 1 Bamboo2 (wheel slot 2) 16–23 2 Mystic Knot (wheel slot 3) 24–31 3 Crescents (wheel slot 4) 32–39 4 Breakup small (wheel slot 5) 40–47 5 8 Rings (wheel slot 6) 48–55 6 Circle (wheel slot 7) 56–63 7 Square (wheel slot 8) 64–71 8 Dash Horizontal (wheel slot 9) 72–79 9 Dash Vetical (wheel slot 10) 80–87 10 Dots (wheel slot 11) 88–191 11 Reducer (wheel slot 12) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
11	Gobo 2	0	0–7 open (wheel slot 1) 8–15 1 Point Line (wheel slot 2) 16–23 2 Sonar (wheel slot 3) 24–31 3 Scorpion (wheel slot 4) 32–39 4 Nightsky (wheel slot 5) 40–47 5 Waves (wheel slot 6) 48–55 6 Multicolor (wheel slot 7) 56–127 7 Waterdrop (wheel slot 8) 128–135 open (wheel slot 1) 136–142 1 Point Line shake fast (wheel slot 2) 143–143 1 Point Line shake slow (wheel slot 2) 144–150 2 Sonar shake fast (wheel slot 3) 151–151 2 Sonar shake slow (wheel slot 3) 152–158 3 Scorpion shake fast (wheel slot 4) 159–159 3 Scorpion shake slow (wheel slot 4) 160–166 4 Nightsky shake fast (wheel slot 5) 167–167 4 Nightsky shake slow (wheel slot 5) 168–174 5 Waves shake fast (wheel slot 6) 175–175 5 Waves shake slow (wheel slot 6) 176–182 6 Multicolor shake fast (wheel slot 7) 183–183 6 Multicolor shake slow (wheel slot 7) 184–190 6 Waterdrop shake fast (wheel slot 8) 191–191 6 Waterdrop shake slow (wheel slot 8) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
12	Gobo Rotation 2	223	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 <<<

Mode 1 RGB (25 ch) (continued)

Ch	Function	Default	DMX values
13	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 open / 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 / uv (wheel slot 9) 36–37 uv (wheel slot 10) 38–39 uv / cto (wheel slot 10) 40–41 cto (wheel slot 11) 42–43 cto / high cri (wheel slot 11) 44–45 high cri (wheel slot 12) 46–63 high cri/ open (wheel slot 12) 64–73 open (wheel slot 1) 74–83 ctb (wheel slot 2) 84–92 red (wheel slot 3) 93–102 yellow (wheel slot 4) 103–112 magenta (wheel slot 5) 113–122 green (wheel slot 6) 123–131 orange (wheel slot 7) 132–141 blue (wheel slot 8) 142–151 pink (wheel slot 9) 152–161 uv (wheel slot 10) 162–170 cto (wheel slot 11) 171–180 High CRI (wheel slot 12) 181–191 open (wheel slot 1) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
14	Red	255	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
15	Green	255	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
16	Blue	255	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
17	C TC	68	

Mode 1 RGB (25 ch) (continued)

Ch	Function	Default	DMX values
18	Tint	128	0–0 black body shift OFF 1–1 -100 Minus Green 2–126 Minus Green 127–127 -1 Minus Green 128–128 Neutral 129–129 +1 Plus Green 130–254 Plus Green 255–255 +100 Plus Green
19	Prism	0	0–7 open (wheel slot 1) 8–15 3 facet circular (wheel slot 2) 16–23 prism step 1 (wheel slot 2) 24–31 prism step 2 (wheel slot 2) 32–39 prism step 3 (wheel slot 2) 40–255 3 facet circular (wheel slot 2)
20	Prism Rotation	224	0–20 0 (wheel slot 2) 21–41 90 (wheel slot 2) 42–62 180 (wheel slot 2) 63–83 270 (wheel slot 2) 84–104 360 (wheel slot 2) 105–126 450 (wheel slot 2) 127–127 540 (wheel slot 2) 128–136 prism shake 1 rapid (wheel slot 2) 137–145 prism shake 2 (wheel slot 2) 146–154 prism shake 3 (wheel slot 2) 155–163 prism shake 4 medium (wheel slot 2) 164–172 prism shake 5 (wheel slot 2) 173–181 prism shake 6 (wheel slot 2) 182–191 prism shake 7 slow (wheel slot 2) 192–192 >>> (wheel slot 2) 193–222 rotate 100__1% (wheel slot 2) 223–224 stop (wheel slot 2) 225–254 rotate -1__-100% (wheel slot 2) 255–255 <<< (wheel slot 2)
21	Frost1	0	0–63 0% frost 64–127 25% frost 128–190 50% frost 191–254 75% frost 255–255 100% frost
22	Position MSpeed	0	0–3 real time motion 4–254 motion rapid 255–255 movtion slow
23	Global MSpeed	0	0–3 realtime effects 4–254 effects rapid 255–255 effects slow
24	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 fr slow 159–159 bo at go co pr cmy fr fast 160–190 bo at go co pr cmy fr fo zo slow 191–191 bo at go co pr cmy fr fo zo fast 192–222 bo at go co pr cmy fr p/t slow 223–223 bo at go co pr cmy fr p/t fast 224–254 bo at go co pr cmy fr fo zo p/t slow 255–255 bo at go co pr cmy fr fo zo p/t fast
25	No Feature	0	

Mode 2 CMY (32 ch)

32 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	116	
6	Shutter / Strobe	95	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) 224–237 rnd pulse close fast 238–238 rnd pulse close slow 239–239 open (7) 240–253 rnd pulse open fast 254–254 rnd pulse open slow 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	Dimmer Fine	0	Fine byte of Dimmer
9	Focus	26	0–127 min 128–254 medium 255–255 max

Mode 2 CMY (32 ch) (continued)

Ch	Function	Default	DMX values
10	Focus Fine	26	Fine byte of Focus
11	Zoom	21	0–127 narrow 128–254 medium 255–255 wide
12	Zoom Fine	21	Fine byte of Zoom
13	Gobo	0	0–7 Open (wheel slot 1) 8–15 1 Bamboo2 (wheel slot 2) 16–23 2 Mystic Knot (wheel slot 3) 24–31 3 Crescents (wheel slot 4) 32–39 4 Breakup Small (wheel slot 5) 40–47 5 8 Rings (wheel slot 6) 48–55 6 Circle (wheel slot 7) 56–63 7 Square (wheel slot 8) 64–71 8 Dash Horizontal (wheel slot 9) 72–79 9 Dash Vertical (wheel slot 10) 80–87 10 Dots (wheel slot 11) 88–191 11 Reducer (wheel slot 12) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
14	Gobo 2	0	0–7 open (wheel slot 1) 8–15 1 Point Line (wheel slot 2) 16–23 2 Sonar (wheel slot 3) 24–31 3 Scorpion (wheel slot 4) 32–39 4 Nightsky (wheel slot 5) 40–47 5 Waves (wheel slot 6) 48–55 6 Multicolor (wheel slot 7) 56–127 7 Waterdrop (wheel slot 8) 128–135 open (wheel slot 1) 136–142 1 Point Line fast (wheel slot 2) 143–143 1 Point Line slow (wheel slot 2) 144–150 2 Sonar shake fast (wheel slot 3) 151–151 2 Sonar shake slow (wheel slot 3) 152–158 3 Scorpion shake fast (wheel slot 4) 159–159 3 Scorpion shake slow (wheel slot 4) 160–166 4 Nightsky shake fast (wheel slot 5) 167–167 4 Nightsky shake slow (wheel slot 5) 168–174 5 Waves shake fast (wheel slot 6) 175–175 5 Waves shake slow (wheel slot 6) 176–182 6 Multicolor shake fast (wheel slot 7) 183–183 6 Multicolor shake slow (wheel slot 7) 184–190 6 Waterdrop shake fast (wheel slot 8) 191–191 6 Waterdrop shake slow (wheel slot 8) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
15	Gobo Rotation 2	224	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	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Mode 2 CMY (32 ch) (continued)

Ch	Function	Default	DMX values
17	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 open / 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 / uv (wheel slot 9) 36–37 uv (wheel slot 10) 38–39 uv / cto (wheel slot 10) 40–41 cto (wheel slot 11) 42–43 cto / high cri (wheel slot 11) 44–45 high cri (wheel slot 12) 46–63 high cri / open (wheel slot 12) 64–73 open (wheel slot 1) 74–83 ctb (wheel slot 2) 84–92 red (wheel slot 3) 93–102 yellow (wheel slot 4) 103–112 magenta (wheel slot 5) 113–122 green (wheel slot 6) 123–131 orange (wheel slot 7) 132–141 blue (wheel slot 8) 142–151 pink (wheel slot 9) 152–161 uv (wheel slot 10) 162–170 cto (wheel slot 11) 171–180 tm30 (wheel slot 12) 181–191 open (wheel slot 1) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
18	Cyan	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
19	Cyan Fine	0	Fine byte of Cyan
20	Magenta	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
21	Magenta Fine	0	Fine byte of Magenta
22	Yellow	0	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
23	Yellow Fine	0	Fine byte of Yellow

Mode 2 CMY (32 ch) (continued)

Ch	Function	Default	DMX values
24	C TC	68	
25	Tint	128	0–0 black body shift OFF 1–1 -100 Minus Green 2–126 Minus Green 127–127 -1 Minus Green 128–128 Neutral 129–129 +1 Plus Green 130–254 Plus Green 255–255 +100 Plus Green
26	Prism	0	0–7 open (wheel slot 1) 8–15 3 facet circular (wheel slot 2) 16–23 prism step 1 (wheel slot 2) 24–31 prism step 2 (wheel slot 2) 32–39 prism step 3 (wheel slot 2) 40–255 3 facet circular (wheel slot 2)
27	Prism Rotation	224	0–20 0 (wheel slot 2) 21–41 90 (wheel slot 2) 42–62 180 (wheel slot 2) 63–83 270 (wheel slot 2) 84–104 360 (wheel slot 2) 105–126 450 (wheel slot 2) 127–127 540 (wheel slot 2) 128–136 prism shake 1 rapid (wheel slot 2) 137–145 prism shake 2 (wheel slot 2) 146–154 prism shake 3 (wheel slot 2) 155–163 prism shake 4 medium (wheel slot 2) 164–172 prism shake 5 (wheel slot 2) 173–181 prism shake 6 (wheel slot 2) 182–191 prism shake 7 slow (wheel slot 2) 192–192 >>> (wheel slot 2) 193–222 rotate 100__1% (wheel slot 2) 223–224 stop (wheel slot 2) 225–254 rotate -1__-100% (wheel slot 2) 255–255 <<< (wheel slot 2)
28	Prism Rotation Fine	0	Fine byte of Prism Rotation
29	Frost1	0	0–63 0% frost 64–127 25% frost 128–190 50% frost 191–254 75% frost 255–255 100% frost
30	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 fr slow 159–159 bo at go co pr cmy fr fast 160–190 bo at go co pr cmy fr fo zo slow 191–191 bo at go co pr cmy fr fo zo fast 192–222 bo at go co pr cmy fr p/t slow 223–223 bo at go co pr cmy fr p/t fast 224–254 bo at go co pr cmy fr fo zo p/t slow 255–255 bo at go co pr cmy fr fo zo p/t fast
31	No Feature	0	
32	Dummy	0	

Mode 2 RGB (32 ch)

32 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	116	
6	Shutter / Strobe	95	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) 224–237 rnd pulse close fast 238–238 rnd pulse close slow 239–239 open (7) 240–253 rnd pulse open fast 254–254 rnd pulse open slow 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	Dimmer Fine	0	Fine byte of Dimmer
9	Focus	26	0–127 min 128–254 medium 255–255 max

Mode 2 RGB (32 ch) (continued)

Ch	Function	Default	DMX values
10	Focus Fine	26	Fine byte of Focus
11	Zoom	21	0–127 narrow 128–254 medium 255–255 wide
12	Zoom Fine	21	Fine byte of Zoom
13	Gobo	0	0–7 Open (wheel slot 1) 8–15 1 Bamboo2 (wheel slot 2) 16–23 2 Mystic Knot (wheel slot 3) 24–31 3 Crescents (wheel slot 4) 32–39 4 Breakup Small (wheel slot 5) 40–47 5 8 Rings (wheel slot 6) 48–55 6 Circle (wheel slot 7) 56–63 7 Square (wheel slot 8) 64–71 8 Dash Horizontal (wheel slot 9) 72–79 9 Dash Vertical (wheel slot 10) 80–87 10 Dots (wheel slot 11) 88–191 11 Reducer (wheel slot 12) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
14	Gobo 2	0	0–7 open (wheel slot 1) 8–15 1 Point Line (wheel slot 2) 16–23 2 Sonar (wheel slot 3) 24–31 3 Scorpion (wheel slot 4) 32–39 4 Nightsky (wheel slot 5) 40–47 5 Waves (wheel slot 6) 48–55 6 Multicolor (wheel slot 7) 56–127 7 Waterdrop (wheel slot 8) 128–135 open (wheel slot 1) 136–142 1 Point Line fast (wheel slot 2) 143–143 1 Point Line slow (wheel slot 2) 144–150 2 Sonar shake fast (wheel slot 3) 151–151 2 Sonar shake slow (wheel slot 3) 152–158 3 Scorpion shake fast (wheel slot 4) 159–159 3 Scorpion shake slow (wheel slot 4) 160–166 4 Nightsky shake fast (wheel slot 5) 167–167 4 Nightsky shake slow (wheel slot 5) 168–174 5 Waves shake fast (wheel slot 6) 175–175 5 Waves shake slow (wheel slot 6) 176–182 6 Multicolor shake fast (wheel slot 7) 183–183 6 Multicolor shake slow (wheel slot 7) 184–190 6 Waterdrop shake fast (wheel slot 8) 191–191 6 Waterdrop shake slow (wheel slot 8) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
15	Gobo Rotation 2	224	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	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Mode 2 RGB (32 ch) (continued)

Ch	Function	Default	DMX values
17	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 open / 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 / uv (wheel slot 9) 36–37 uv (wheel slot 10) 38–39 uv / cto (wheel slot 10) 40–41 cto (wheel slot 11) 42–43 cto / high cri (wheel slot 11) 44–45 high cri (wheel slot 12) 46–63 high cri / open (wheel slot 12) 64–73 open (wheel slot 1) 74–83 ctb (wheel slot 2) 84–92 red (wheel slot 3) 93–102 yellow (wheel slot 4) 103–112 magenta (wheel slot 5) 113–122 green (wheel slot 6) 123–131 orange (wheel slot 7) 132–141 blue (wheel slot 8) 142–151 pink (wheel slot 9) 152–161 uv (wheel slot 10) 162–170 cto (wheel slot 11) 171–180 tm30 (wheel slot 12) 181–191 open (wheel slot 1) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
18	Red	255	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
19	Red Fine	255	Fine byte of Red
20	Green	255	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
21	Green Fine	255	Fine byte of Green
22	Blue	255	0–63 min 64–127 25% 128–190 50% 191–254 75% 255–255 max
23	Blue Fine	255	Fine byte of Blue

Mode 2 RGB (32 ch) (continued)

Ch	Function	Default	DMX values
24	C TC	68	
25	Tint	128	0–0 black body shift OFF 1–1 -100 Minus Green 2–126 Minus Green 127–127 -1 Minus Green 128–128 Neutral 129–129 +1 Plus Green 130–254 Plus Green 255–255 +100 Plus Green
26	Prism	0	0–7 open (wheel slot 1) 8–15 3 facet circular (wheel slot 2) 16–23 prism step 1 (wheel slot 2) 24–31 prism step 2 (wheel slot 2) 32–39 prism step 3 (wheel slot 2) 40–255 3 facet circular (wheel slot 2)
27	Prism Rotation	224	0–20 0 (wheel slot 2) 21–41 90 (wheel slot 2) 42–62 180 (wheel slot 2) 63–83 270 (wheel slot 2) 84–104 360 (wheel slot 2) 105–126 450 (wheel slot 2) 127–127 540 (wheel slot 2) 128–136 prism shake 1 rapid (wheel slot 2) 137–145 prism shake 2 (wheel slot 2) 146–154 prism shake 3 (wheel slot 2) 155–163 prism shake 4 medium (wheel slot 2) 164–172 prism shake 5 (wheel slot 2) 173–181 prism shake 6 (wheel slot 2) 182–191 prism shake 7 slow (wheel slot 2) 192–192 >>> (wheel slot 2) 193–222 rotate 100__1% (wheel slot 2) 223–224 stop (wheel slot 2) 225–254 rotate -1__-100% (wheel slot 2) 255–255 <<< (wheel slot 2)
28	Prism Rotation Fine	0	Fine byte of Prism Rotation
29	Frost1	0	0–63 0% frost 64–127 25% frost 128–190 50% frost 191–254 75% frost 255–255 100% frost
30	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 fr slow 159–159 bo at go co pr cmy fr fast 160–190 bo at go co pr cmy fr fo zo slow 191–191 bo at go co pr cmy fr fo zo fast 192–222 bo at go co pr cmy fr p/t slow 223–223 bo at go co pr cmy fr p/t fast 224–254 bo at go co pr cmy fr fo zo p/t slow 255–255 bo at go co pr cmy fr fo zo p/t fast
31	No Feature	0	
32	Dummy	0	