JB-Lighting

Sparx 7



Manufacturer	**JB-Lighting**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**24, 32, 44 channels**
Beam angle	**4-40°**
Pan range	**450°**
Tilt range	**330°**
Heads / cells	**3**
Size (W × H × D)	**231 × 147 × 231 mm**
GDTF fixture type	**B844B625-9BEA-455D-B6F0-5A…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

Safety-relevant functions

Fixture reset

DMX modes

Mode 3 24Ch	24 ch
Mode 1 32Ch	32 ch
Mode 2 44Ch	44 ch

Mode 3 24Ch

24 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	6	0–7 100% led - fade out fast to slow 8–15 RGB adjust - fade out fast to slow 16–23 C1 adjust - fade out fast to slow 24–31 picker adjust - fade out fast to slow 32–39 100% led - fade out fast to slow 40–47 RGB adjust - fade out fast to slow 48–55 C1 adjust - fade out fast to slow 56–63 picker adjust - fade out fast to slow 64–71 100% led - fade out fast to slow 72–79 RGB adjust - fade out fast to slow 80–87 C1 adjust - fade out fast to slow 88–95 picker adjust - fade out fast to slow 96–103 100% led - fade out fast to slow 104–111 RGB adjust - fade out fast to slow 112–119 C1 adjust - fade out fast to slow 120–127 picker adjust - fade out fast to slow 128–135 100% led - fade out fast to slow 136–143 RGB adjust - fade out fast to slow 144–151 C1 adjust - fade out fast to slow 152–159 picker adjust - fade out fast to slow 160–207 not used (1) 208–215 50Hz (100Hz) 216–223 60Hz (120Hz) 224–231 flex (600Hz) 232–239 not used (2) 240–247 reset 248–255 not used (3)

Mode 3 24Ch (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	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	Zoom	127	0–127 Narrow 128–254 Medium 255–255 Wide
9	Segment Select	0	
10	Pixel Mode	0	0–31 inactive Segments off 32–63 inactive Segments foreground color 64–95 inactive Segments background color 96–127 inactive + active glow color 128–159 inactiv Segments glow color 160–191 inactiv segments off + no glow 192–235 Macro 236–255 N/A

Mode 3 24Ch (continued)

Ch	Function	Default	DMX values
11	Animation System1Macro	0	0–0 Pattern inactive 1–1 Pattern 1 2–2 Pattern 2 3–3 Pattern 3 4–4 Pattern 4 5–5 Pattern 5 6–6 Pattern 6 7–7 Pattern 7 8–127 N/A 1 128–128 Random Pattern off 129–129 Random Pattern 1 130–130 Random Pattern 2 131–131 Random Pattern 3 132–132 Random Pattern 4 133–133 Random Pattern 5 134–134 Random Pattern 6 135–135 Random Pattern 7 136–255 N/A
12	Effect Speed	127	0–62 forwards fast 63–125 forwards medium 126–126 forwards slow 127–128 stop 129–191 backwards slow 192–254 backwards medium 255–255 backwards fast
13	Color Effects1	0	0–0 Color Spread inactive 1–63 Spread inc fwd index 64–78 Spread inc fwd fast 79–93 Spread inc fwd medium 94–94 Spread inc fwd slow 95–96 Stop 97–111 Spread dec fwd slow 112–126 Spread dec fwd medium 127–127 Spread dec fwd fast 128–191 Spread dec fwd index 192–206 Spread inc fwd fast 207–221 Spread inc fwd medium 222–222 Spread inc fwd slow 223–224 Stop 225–239 Spread dec fwd slow 240–254 Spread dec fwd medium 255–255 Spread dec fwd fast
14	Sparkle	0	0–25 Sparkle off 26–51 Sparkle 10% 52–77 Sparkle 20% 78–103 Sparkle 30% 104–129 Sparkle 40% 130–155 Sparkle 50% 156–181 Sparkle 60% 182–207 Sparkle 70% 208–233 Sparkle 80% 234–254 Sparkle 90% 255–255 Sparkle 100%

Mode 3 24Ch (continued)

Ch	Function	Default	DMX values
15	Sparkle Speed	0	0–0 sparkle faded slow 1–14 sparkle faded 1__99% 15–15 sparkle faded fast 16–16 sparkle switched slow 17–30 sparkle switched 1__99% 31–31 sparkle switched fast 32–32 sparkle faded slow 33–46 sparkle faded 1__99% 47–47 sparkle faded fast 48–48 sparkle switched slow 49–62 sparkle switched 1__99% 63–63 sparkle switched fast 64–64 sparkle faded slow 65–78 sparkle faded 1__99% 79–79 sparkle faded fast 80–80 sparkle switched slow 81–94 sparkle switched 1__99% 95–95 sparkle switched fast 96–96 sparkle faded slow 97–110 sparkle faded 1__99% 111–111 sparkle faded fast 112–112 sparkle switched slow 113–126 sparkle switched 1__99% 127–127 sparkle switched fast 128–128 sparkle faded slow 129–142 sparkle faded 1__99% 143–143 sparkle faded fast 144–144 sparkle switched slow 145–158 sparkle switched 1__99% 159–159 sparkle switched fast 160–160 sparkle faded slow 161–174 sparkle faded 1__99% 175–175 sparkle faded fast 176–176 sparkle switched slow 177–190 sparkle switched 1__99% 191–255 sparkle switched fast
16	C TC	0	0–63 0% ctc 64–127 25% ctc 128–190 50% ctc 191–254 75% ctc 255–255 100% ctc

Mode 3 24Ch (continued)

Ch	Function	Default	DMX values
17	Color Wheel	0	0–0 inactive colors rgb (wheel slot 1) 1–3 white (wheel slot 1) 4–7 white / red (wheel slot 19) 8–11 red (wheel slot 2) 12–15 red / yellow (wheel slot 20) 16–19 yellow (wheel slot 3) 20–23 yellow / magenta (wheel slot 21) 24–27 magenta (wheel slot 4) 28–31 magenta / green (wheel slot 22) 32–35 green (wheel slot 5) 36–39 green / orange (wheel slot 23) 40–43 orange (wheel slot 6) 44–47 orange / blue (wheel slot 24) 48–51 blue (wheel slot 7) 52–55 blue / turquoise (wheel slot 25) 56–59 turquoise (wheel slot 8) 60–63 turquoise / white (wheel slot 26) 64–64 2700K (wheel slot 9) 65–65 2700K tungsten dimming (wheel slot 10) 66–66 3200K (wheel slot 11) 67–67 3200K tungsten dimming (wheel slot 12) 68–68 4200K (wheel slot 13) 69–69 5600K (wheel slot 14) 70–70 6000K (wheel slot 15) 71–71 6500K (wheel slot 16) 72–72 7000K (wheel slot 17) 73–191 8000K (wheel slot 18) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
18	Position MSpeed	0	0–3 Realtime movement 4–130 delayed movement fast 131–254 delayed movement medium 255–255 delayed movement slow
19	Effect Speed	0	0–3 realtime effect 4–129 effect delayed fast 130–254 effect delayed medium 255–255 effect delayed slow
20	Blackout Mode	0	0–0 not used (1_0) 1–70 segment selection for shutter 71–95 not used (1_1) 96–126 bo at p/t slow 127–127 bo at p/t fast 128–158 bo at co rgbw slow 159–159 bo at co rgbw fast 160–223 not used (1_2) 224–254 bo at p/t co rgbw slow 255–255 bo at p/t co rgbw fast
21	Red	0	0–63 0% red 64–127 25% red 128–190 50% red 191–254 75% red 255–255 100% red
22	Green	0	0–63 0% green 64–127 25% green 128–190 50% green 191–254 75% green 255–255 100% green

Mode 3 24Ch (continued)

Ch	Function	Default	DMX values
23	Blue	0	0–63 0% blue 64–127 25% blue 128–190 50% blue 191–254 75% blue 255–255 100% blue
24	White	0	0–63 0% white 64–127 25% white 128–190 50% white 191–254 75% white 255–255 100% white

Mode 1 32Ch

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	6	0–7 100% led - fade out fast to slow 8–15 RGB adjust - fade out fast to slow 16–23 C1 adjust - fade out fast to slow 24–31 picker adjust - fade out fast to slow 32–39 100% led - fade out fast to slow 40–47 RGB adjust - fade out fast to slow 48–55 C1 adjust - fade out fast to slow 56–63 picker adjust - fade out fast to slow 64–71 100% led - fade out fast to slow 72–79 RGB adjust - fade out fast to slow 80–87 C1 adjust - fade out fast to slow 88–95 picker adjust - fade out fast to slow 96–103 100% led - fade out fast to slow 104–111 RGB adjust - fade out fast to slow 112–119 C1 adjust - fade out fast to slow 120–127 picker adjust - fade out fast to slow 128–135 100% led - fade out fast to slow 136–143 RGB adjust - fade out fast to slow 144–151 C1 adjust - fade out fast to slow 152–159 picker adjust - fade out fast to slow 160–207 not used (1) 208–215 50Hz (100Hz) 216–223 60Hz (120Hz) 224–231 flex (600Hz) 232–239 not used (2) 240–247 reset 248–255 not used (3)

Mode 1 32Ch (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	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	Zoom	127	0–127 Narrow 128–254 Medium 255–255 Wide
9	Segment Select	0	
10	Pixel Mode	0	0–31 inactive Segments off 32–63 inactive Segments foreground color 64–95 inactive Segments background color 96–127 inactive + active glow color 128–159 inactiv Segments glow color 160–191 inactiv segments off + no glow 192–235 Macro 236–255 N/A

Mode 1 32Ch (continued)

Ch	Function	Default	DMX values
11	Animation System1Macro	0	0–0 Pattern inactive 1–1 Pattern 1 2–2 Pattern 2 3–3 Pattern 3 4–4 Pattern 4 5–5 Pattern 5 6–6 Pattern 6 7–7 Pattern 7 8–127 N/A 1 128–128 Random Pattern off 129–129 Random Pattern 1 130–130 Random Pattern 2 131–131 Random Pattern 3 132–132 Random Pattern 4 133–133 Random Pattern 5 134–134 Random Pattern 6 135–135 Random Pattern 7 136–255 N/A
12	Effect Speed	127	0–62 forwards fast 63–125 forwards medium 126–126 forwards slow 127–128 stop 129–191 backwards slow 192–254 backwards medium 255–255 backwards fast
13	Color Effects1	0	0–0 Color Spread inactive 1–63 Spread inc fwd index 64–78 Spread inc fwd fast 79–93 Spread inc fwd medium 94–94 Spread inc fwd slow 95–96 Stop 97–111 Spread dec fwd slow 112–126 Spread dec fwd medium 127–127 Spread dec fwd fast 128–191 Spread dec fwd index 192–206 Spread inc fwd fast 207–221 Spread inc fwd medium 222–222 Spread inc fwd slow 223–224 Stop 225–239 Spread dec fwd slow 240–254 Spread dec fwd medium 255–255 Spread dec fwd fast
14	Sparkle	0	0–25 Sparkle off 26–51 Sparkle 10% 52–77 Sparkle 20% 78–103 Sparkle 30% 104–129 Sparkle 40% 130–155 Sparkle 50% 156–181 Sparkle 60% 182–207 Sparkle 70% 208–233 Sparkle 80% 234–254 Sparkle 90% 255–255 Sparkle 100%

Mode 1 32Ch (continued)

Ch	Function	Default	DMX values
15	Sparkle Speed	0	0–0 sparkle faded slow 1–14 sparkle faded 1__99% 15–15 sparkle faded fast 16–16 sparkle switched slow 17–30 sparkle switched 1__99% 31–31 sparkle switched fast 32–32 sparkle faded slow 33–46 sparkle faded 1__99% 47–47 sparkle faded fast 48–48 sparkle switched slow 49–62 sparkle switched 1__99% 63–63 sparkle switched fast 64–64 sparkle faded slow 65–78 sparkle faded 1__99% 79–79 sparkle faded fast 80–80 sparkle switched slow 81–94 sparkle switched 1__99% 95–95 sparkle switched fast 96–96 sparkle faded slow 97–110 sparkle faded 1__99% 111–111 sparkle faded fast 112–112 sparkle switched slow 113–126 sparkle switched 1__99% 127–127 sparkle switched fast 128–128 sparkle faded slow 129–142 sparkle faded 1__99% 143–143 sparkle faded fast 144–144 sparkle switched slow 145–158 sparkle switched 1__99% 159–159 sparkle switched fast 160–160 sparkle faded slow 161–174 sparkle faded 1__99% 175–175 sparkle faded fast 176–176 sparkle switched slow 177–190 sparkle switched 1__99% 191–255 sparkle switched fast
16	C TC	0	0–63 0% ctc 64–127 25% ctc 128–190 50% ctc 191–254 75% ctc 255–255 100% ctc

Mode 1 32Ch (continued)

Ch	Function	Default	DMX values
17	Color Wheel	0	0–0 inactive colors rgb (wheel slot 1) 1–3 white (wheel slot 1) 4–7 white / red (wheel slot 19) 8–11 red (wheel slot 2) 12–15 red / yellow (wheel slot 20) 16–19 yellow (wheel slot 3) 20–23 yellow / magenta (wheel slot 21) 24–27 magenta (wheel slot 4) 28–31 magenta / green (wheel slot 22) 32–35 green (wheel slot 5) 36–39 green / orange (wheel slot 23) 40–43 orange (wheel slot 6) 44–47 orange / blue (wheel slot 24) 48–51 blue (wheel slot 7) 52–55 blue / turquoise (wheel slot 25) 56–59 turquoise (wheel slot 8) 60–63 turquoise / white (wheel slot 26) 64–64 2700K (wheel slot 9) 65–65 2700K tungsten dimming (wheel slot 10) 66–66 3200K (wheel slot 11) 67–67 3200K tungsten dimming (wheel slot 12) 68–68 4200K (wheel slot 13) 69–69 5600K (wheel slot 14) 70–70 6000K (wheel slot 15) 71–71 6500K (wheel slot 16) 72–72 7000K (wheel slot 17) 73–191 8000K (wheel slot 18) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
18	Position MSpeed	0	0–3 Realtime movement 4–130 delayed movement fast 131–254 delayed movement medium 255–255 delayed movement slow
19	Effect Speed	0	0–3 realtime effect 4–129 effect delayed fast 130–254 effect delayed medium 255–255 effect delayed slow
20	Blackout Mode	0	0–0 not used (1_0) 1–70 segment selection for shutter 71–95 not used (1_1) 96–126 bo at p/t slow 127–127 bo at p/t fast 128–158 bo at co rgbw slow 159–159 bo at co rgbw fast 160–223 not used (1_2) 224–254 bo at p/t co rgbw slow 255–255 bo at p/t co rgbw fast
21	Red	0	0–63 0% red 64–127 25% red 128–190 50% red 191–254 75% red 255–255 100% red
22	Green	0	0–63 0% green 64–127 25% green 128–190 50% green 191–254 75% green 255–255 100% green

Mode 1 32Ch (continued)

Ch	Function	Default	DMX values
23	Blue	0	0–63 0% blue 64–127 25% blue 128–190 50% blue 191–254 75% blue 255–255 100% blue
24	White	0	0–63 0% white 64–127 25% white 128–190 50% white 191–254 75% white 255–255 100% white
25	Red	0	0–63 0% red 64–127 25% red 128–190 50% red 191–254 75% red 255–255 100% red
26	Green	0	0–63 0% green 64–127 25% green 128–190 50% green 191–254 75% green 255–255 100% green
27	Blue	0	0–63 0% blue 64–127 25% blue 128–190 50% blue 191–254 75% blue 255–255 100% blue
28	White	0	0–63 0% white 64–127 25% white 128–190 50% white 191–254 75% white 255–255 100% white
29	Red	0	0–63 0% red 64–127 25% red 128–190 50% red 191–254 75% red 255–255 100% red
30	Green	0	0–63 0% green 64–127 25% green 128–190 50% green 191–254 75% green 255–255 100% green
31	Blue	0	0–63 0% blue 64–127 25% blue 128–190 50% blue 191–254 75% blue 255–255 100% blue
32	White	0	0–63 0% white 64–127 25% white 128–190 50% white 191–254 75% white 255–255 100% white

Mode 2 44Ch

44 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	

Mode 2 44Ch (continued)

Ch	Function	Default	DMX values
4	Tilt Fine	0	Fine byte of Tilt
5	Control1	6	0–7 100% led - fade out fast to slow 8–15 RGB adjust - fade out fast to slow 16–23 C1 adjust - fade out fast to slow 24–31 picker adjust - fade out fast to slow 32–39 100% led - fade out fast to slow 40–47 RGB adjust - fade out fast to slow 48–55 C1 adjust - fade out fast to slow 56–63 picker adjust - fade out fast to slow 64–71 100% led - fade out fast to slow 72–79 RGB adjust - fade out fast to slow 80–87 C1 adjust - fade out fast to slow 88–95 picker adjust - fade out fast to slow 96–103 100% led - fade out fast to slow 104–111 RGB adjust - fade out fast to slow 112–119 C1 adjust - fade out fast to slow 120–127 picker adjust - fade out fast to slow 128–135 100% led - fade out fast to slow 136–143 RGB adjust - fade out fast to slow 144–151 C1 adjust - fade out fast to slow 152–159 picker adjust - fade out fast to slow 160–207 not used (1) 208–215 50Hz (100Hz) 216–223 60Hz (120Hz) 224–231 flex (600Hz) 232–239 not used (2) 240–247 reset 248–255 not used (3)

Mode 2 44Ch (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	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	Zoom	127	0–127 Narrow 128–254 Medium 255–255 Wide
9	Segment Select	0	
10	Pixel Mode	0	0–31 inactive Segments off 32–63 inactive Segments foreground color 64–95 inactive Segments background color 96–127 inactive + active glow color 128–159 inactiv Segments glow color 160–191 inactiv segments off + no glow 192–235 Macro 236–255 N/A

Mode 2 44Ch (continued)

Ch	Function	Default	DMX values
11	Animation System1Macro	0	0–0 Pattern inactive 1–1 Pattern 1 2–2 Pattern 2 3–3 Pattern 3 4–4 Pattern 4 5–5 Pattern 5 6–6 Pattern 6 7–7 Pattern 7 8–127 N/A 1 128–128 Random Pattern off 129–129 Random Pattern 1 130–130 Random Pattern 2 131–131 Random Pattern 3 132–132 Random Pattern 4 133–133 Random Pattern 5 134–134 Random Pattern 6 135–135 Random Pattern 7 136–255 N/A
12	Effect Speed	127	0–62 forwards fast 63–125 forwards medium 126–126 forwards slow 127–128 stop 129–191 backwards slow 192–254 backwards medium 255–255 backwards fast
13	Color Effects1	0	0–0 Color Spread inactive 1–63 Spread inc fwd index 64–78 Spread inc fwd fast 79–93 Spread inc fwd medium 94–94 Spread inc fwd slow 95–96 Stop 97–111 Spread dec fwd slow 112–126 Spread dec fwd medium 127–127 Spread dec fwd fast 128–191 Spread dec fwd index 192–206 Spread inc fwd fast 207–221 Spread inc fwd medium 222–222 Spread inc fwd slow 223–224 Stop 225–239 Spread dec fwd slow 240–254 Spread dec fwd medium 255–255 Spread dec fwd fast
14	Sparkle	0	0–25 Sparkle off 26–51 Sparkle 10% 52–77 Sparkle 20% 78–103 Sparkle 30% 104–129 Sparkle 40% 130–155 Sparkle 50% 156–181 Sparkle 60% 182–207 Sparkle 70% 208–233 Sparkle 80% 234–254 Sparkle 90% 255–255 Sparkle 100%

Mode 2 44Ch (continued)

Ch	Function	Default	DMX values
15	Sparkle Speed	0	0–0 sparkle faded slow 1–14 sparkle faded 1__99% 15–15 sparkle faded fast 16–16 sparkle switched slow 17–30 sparkle switched 1__99% 31–31 sparkle switched fast 32–32 sparkle faded slow 33–46 sparkle faded 1__99% 47–47 sparkle faded fast 48–48 sparkle switched slow 49–62 sparkle switched 1__99% 63–63 sparkle switched fast 64–64 sparkle faded slow 65–78 sparkle faded 1__99% 79–79 sparkle faded fast 80–80 sparkle switched slow 81–94 sparkle switched 1__99% 95–95 sparkle switched fast 96–96 sparkle faded slow 97–110 sparkle faded 1__99% 111–111 sparkle faded fast 112–112 sparkle switched slow 113–126 sparkle switched 1__99% 127–127 sparkle switched fast 128–128 sparkle faded slow 129–142 sparkle faded 1__99% 143–143 sparkle faded fast 144–144 sparkle switched slow 145–158 sparkle switched 1__99% 159–159 sparkle switched fast 160–160 sparkle faded slow 161–174 sparkle faded 1__99% 175–175 sparkle faded fast 176–176 sparkle switched slow 177–190 sparkle switched 1__99% 191–255 sparkle switched fast
16	C TC	0	0–63 0% ctc 64–127 25% ctc 128–190 50% ctc 191–254 75% ctc 255–255 100% ctc

Mode 2 44Ch (continued)

Ch	Function	Default	DMX values
17	Color Wheel	0	0–0 inactive colors rgb (wheel slot 1) 1–3 white (wheel slot 1) 4–7 white / red (wheel slot 19) 8–11 red (wheel slot 2) 12–15 red / yellow (wheel slot 20) 16–19 yellow (wheel slot 3) 20–23 yellow / magenta (wheel slot 21) 24–27 magenta (wheel slot 4) 28–31 magenta / green (wheel slot 22) 32–35 green (wheel slot 5) 36–39 green / orange (wheel slot 23) 40–43 orange (wheel slot 6) 44–47 orange / blue (wheel slot 24) 48–51 blue (wheel slot 7) 52–55 blue / turquoise (wheel slot 25) 56–59 turquoise (wheel slot 8) 60–63 turquoise / white (wheel slot 26) 64–64 2700K (wheel slot 9) 65–65 2700K tungsten dimming (wheel slot 10) 66–66 3200K (wheel slot 11) 67–67 3200K tungsten dimming (wheel slot 12) 68–68 4200K (wheel slot 13) 69–69 5600K (wheel slot 14) 70–70 6000K (wheel slot 15) 71–71 6500K (wheel slot 16) 72–72 7000K (wheel slot 17) 73–191 8000K (wheel slot 18) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
18	Position MSpeed	0	0–3 Realtime movement 4–130 delayed movement fast 131–254 delayed movement medium 255–255 delayed movement slow
19	Effect Speed	0	0–3 realtime effect 4–129 effect delayed fast 130–254 effect delayed medium 255–255 effect delayed slow
20	Blackout Mode	0	0–0 not used (1_0) 1–70 segment selection for shutter 71–95 not used (1_1) 96–126 bo at p/t slow 127–127 bo at p/t fast 128–158 bo at co rgbw slow 159–159 bo at co rgbw fast 160–223 not used (1_2) 224–254 bo at p/t co rgbw slow 255–255 bo at p/t co rgbw fast
21	Red	0	0–63 0% red 64–127 25% red 128–190 50% red 191–254 75% red 255–255 100% red
22	Red Fine	0	Fine byte of Red
23	Green	0	0–63 0% green 64–127 25% green 128–190 50% green 191–254 75% green 255–255 100% green

Mode 2 44Ch (continued)

Ch	Function	Default	DMX values
24	Green Fine	0	Fine byte of Green
25	Blue	0	0–63 0% blue 64–127 25% blue 128–190 50% blue 191–254 75% blue 255–255 100% blue
26	Blue Fine	0	Fine byte of Blue
27	White	0	0–63 0% white 64–127 25% white 128–190 50% white 191–254 75% white 255–255 100% white
28	White Fine	0	Fine byte of White
29	Red	0	0–63 0% red 64–127 25% red 128–190 50% red 191–254 75% red 255–255 100% red
30	Red Fine	0	Fine byte of Red
31	Green	0	0–63 0% green 64–127 25% green 128–190 50% green 191–254 75% green 255–255 100% green
32	Green Fine	0	Fine byte of Green
33	Blue	0	0–63 0% blue 64–127 25% blue 128–190 50% blue 191–254 75% blue 255–255 100% blue
34	Blue Fine	0	Fine byte of Blue
35	White	0	0–63 0% white 64–127 25% white 128–190 50% white 191–254 75% white 255–255 100% white
36	White Fine	0	Fine byte of White
37	Red	0	0–63 0% red 64–127 25% red 128–190 50% red 191–254 75% red 255–255 100% red
38	Red Fine	0	Fine byte of Red
39	Green	0	0–63 0% green 64–127 25% green 128–190 50% green 191–254 75% green 255–255 100% green
40	Green Fine	0	Fine byte of Green
41	Blue	0	0–63 0% blue 64–127 25% blue 128–190 50% blue 191–254 75% blue 255–255 100% blue
42	Blue Fine	0	Fine byte of Blue

Mode 2 44Ch (continued)

Ch	Function	Default	DMX values
43	White	0	0–63 0% white 64–127 25% white 128–190 50% white 191–254 75% white 255–255 100% white
44	White Fine	0	Fine byte of White