Robe Lighting

Robin DL4S Profile



Manufacturer	**Robe Lighting**
Type	**Profile spot**
DMX modes	**6**
DMX footprint	**36, 38, 47 channels**
Beam angle	**10-45°**
Pan range	**540°**
Tilt range	**269°**
Size (W × H × D)	**428 × 690 × 282 mm**
GDTF fixture type	**499B1A8A-D5F4-45E6-A8D7-4B…**

Controls

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

Safety-relevant functions

Fixture reset

DMX modes

Mode 3 CMY Minimal	36 ch
Mode 3 RGBW Minimal	36 ch
Mode 2 CMY Reduced	38 ch
Mode 2 RGBW Reduced	38 ch
Mode 1 CMY	47 ch
Mode 1 RGBW	47 ch

Mode 3 CMY Minimal

36 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Tilt	128	
3	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode
4	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 White point 8000K ON 25–29 White point 8000K OFF 30–39 RGB colour mixing mode 40–49 CMY colour mixing mode 50–59 PT mode: Speed 60–69 PT mode: Time 70–79 BO while PAN TILT moving: ON 80–89 BO while PAN TILT moving: OFF 90–94 DL Colour compatible mode On 95–99 DL Colour compatible mode Off 100–104 Dimmer curve: Square law 105–109 Dimmer curve: Linear 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Fixture reset (except pan/tilt) 140–149 Pan/Tilt reset 150–159 Reserved 160–169 Gobo wheel reset 170–179 Reserved 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–224 Reserved 225–229 RoboSpot enabled 230–234 RoboSpot disabled - except handle faders and pan... 235–239 RoboSpot fully disabled except pan/tilt 240–240 Disable Theatre mode 241–241 Theatre mode - automatic control of fan noise 242–255 Theatre mode - fan noise control from min to max
5	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (Halogen lamp mode) (wheel slot 3) 4–5 White 3200 K (wheel slot 4) 6–6 White 3200 K (Halogen lamp mode) (wheel slot 5) 7–9 White 4200 K (wheel slot 6) 10–12 White 5600 K (wheel slot 7) 13–15 White 8000 K (wheel slot 8) 16–36 Blue (wheel slot 9) 37–76 Light Blue (wheel slot 10) 77–115 Green (wheel slot 11) 116–155 Yellow (wheel slot 12) 156–195 Red (wheel slot 13) 196–231 Magenta (wheel slot 14) 232–247 Blue (wheel slot 9) 248–251 Rainbow effect from slow to fast 252–255 Rainbow effect from fast to slow
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	No Feature	0	

Mode 3 CMY Minimal (continued)

Ch	Function	Default	DMX values
10	C TO	0	0–63 8000 K 64–127 5600 K 128–191 4200 K 192–254 3200 K 255–255 2700 K
11	Gobo Wheel1MSpeed	0	
12	Animation Wheel1	0	0–19 Open 20–72 Proportional indexing min (wheel slot 1) 73–126 Proportional indexing center (wheel slot 1) 127–127 Proportional indexing max (wheel slot 1) 128–170 Ramping from open to full position (wheel slot 1) 171–213 Ramping from open to half position (wheel slot 1) 214–255 Ramp from half position to full position (wheel slot...
13	Animation Wheel1Pos	0	0–0 No rotation 1–127 Forwards rotation from fast to slow 128–128 No rotation 129–255 Backwards rotation from slow to fast
14	Animation Wheel1Select Effects	0	0–7 No animation 8–9 Macro 1 (Focus=152) 10–11 Macro 2 (Focus=113) 12–13 Macro 3 (Focus=100) 14–15 Macro 4 (Focus=105) 16–17 Macro 5 (Focus=102) 18–19 Macro 6 (Focus=110) 20–21 Macro 7 (Focus=108) 22–23 Macro 8 (Focus=121) 24–25 Macro 9 (Focus=102) 26–27 Macro 10 (Focus=98) 28–255 Reserved

Mode 3 CMY Minimal (continued)

Ch	Function	Default	DMX values
15	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 - Index (wheel slot 2) 8–11 Gobo 2 - Index (wheel slot 3) 12–15 Gobo 3 - Index (wheel slot 4) 16–19 Gobo 4 - Index (wheel slot 5) 20–23 Gobo 5 - Index (wheel slot 6) 24–27 Gobo 6 - Index (wheel slot 7) 28–31 Gobo 7 - Index (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
16	Gobo Rotation	0	0–0 min 1–127 Forwards gobo rotation fast to slow 128–129 center 130–254 Backwards gobo rotation from slow to fast 255–255 max
17	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 3 - facet rotating prism (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)

Mode 3 CMY Minimal (continued)

Ch	Function	Default	DMX values
18	Prism Rotation	128	0–0 Prism no rotation 0 1–1 Forwards prism rotation fast 2–127 Forwards prism rotation from fast to slow 128–128 No rotation 129–254 Backwards prism rotation from slow to fast 255–255 Backwards prism rotation from fast
19	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
20	Iris	0	0–178 Open 179–191 Closed 192–218 Pulse opening slow 219–219 Pulse opening fast 220–246 Pulse closing fast 247–247 Pulse closing slow 248–249 Random pulse opening (fast) 250–251 Random pulse opening (slow) 252–253 Random pulse closing (fast) 254–255 Random pulse closing (slow)
21	Zoom	128	
22	Focus	0	
23	Focus1Adjust	0	0–0 Autofocus Off 1–7 4 metres 8–15 6 metres 16–23 8 metres 24–31 10 metres 32–39 12 metres 40–47 14 metres 48–55 16 metres 56–63 18 metres 64–71 4 metres 72–79 6 metres 80–87 8 metres 88–95 10 metres 96–103 12 metres 104–111 14 metres 112–119 16 metres 120–120 18 metres 121–255 NoFeature 2
24	Shaper Rot	0	0–127 min 128–254 mid 255–255 max
25	Blade1A	0	
26	Blade1Rot	128	
27	Blade2A	0	
28	Blade2Rot	128	
29	Blade3A	0	
30	Blade3Rot	128	
31	Blade4A	0	
32	Blade4Rot	128	
33	Shaper Macros	0	
34	Shaper Macros Speed	0	

Mode 3 CMY Minimal (continued)

Ch	Function	Default	DMX values
35	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe slow 95–95 Strobe fast 96–127 Shutter open 128–142 Open pulsing slow 143–143 Open pulsing fast 144–158 Shutter1StrobePulseClose · Close pulsing fast 159–159 Shutter1StrobePulseClose · Close pulsing slow 160–191 Shutter open 192–222 Strobe random slow 223–223 Strobe random fast 224–255 Shutter open
36	Dimmer	0	0–254 Closed 255–255 Open

Mode 3 RGBW Minimal

36 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Tilt	128	
3	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode
4	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 White point 8000K ON 25–29 White point 8000K OFF 30–39 RGB colour mixing mode 40–49 CMY colour mixing mode 50–59 PT mode: Speed 60–69 PT mode: Time 70–79 BO while PAN TILT moving: ON 80–89 BO while PAN TILT moving: OFF 90–94 DL Colour compatible mode On 95–99 DL Colour compatible mode Off 100–104 Dimmer curve: Square law 105–109 Dimmer curve: Linear 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Fixture reset (except pan/tilt) 140–149 Pan/Tilt reset 150–159 Reserved 160–169 Gobo wheel reset 170–179 Reserved 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–224 Reserved 225–229 RoboSpot enabled 230–234 RoboSpot disabled - except handle faders and pan... 235–239 RoboSpot fully disabled except pan/tilt 240–240 Disable Theatre mode 241–241 Theatre mode - automatic control of fan noise 242–255 Theatre mode - fan noise control from min to max

Mode 3 RGBW Minimal (continued)

Ch	Function	Default	DMX values
5	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (Halogen lamp mode) (wheel slot 3) 4–5 White 3200 K (wheel slot 4) 6–6 White 3200 K (Halogen lamp mode) (wheel slot 5) 7–9 White 4200 K (wheel slot 6) 10–12 White 5600 K (wheel slot 7) 13–15 White 8000 K (wheel slot 8) 16–36 Blue (wheel slot 9) 37–76 Light Blue (wheel slot 10) 77–115 Green (wheel slot 11) 116–155 Yellow (wheel slot 12) 156–195 Red (wheel slot 13) 196–231 Magenta (wheel slot 14) 232–247 Blue (wheel slot 9) 248–251 Rainbow effect from slow to fast 252–255 Rainbow effect from fast to slow
6	Red	255	
7	Green	255	
8	Blue	255	
9	White	255	
10	C TO	0	0–63 8000 K 64–127 5600 K 128–191 4200 K 192–254 3200 K 255–255 2700 K
11	Gobo Wheel1MSpeed	0	
12	Animation Wheel1	0	0–19 Open 20–72 Proportional indexing min (wheel slot 1) 73–126 Proportional indexing center (wheel slot 1) 127–127 Proportional indexing max (wheel slot 1) 128–170 Ramping from open to full position (wheel slot 1) 171–213 Ramping from open to half position (wheel slot 1) 214–255 Ramp from half position to full position (wheel slot...
13	Animation Wheel1Pos	0	0–0 No rotation 1–127 Forwards rotation from fast to slow 128–128 No rotation 129–255 Backwards rotation from slow to fast
14	Animation Wheel1Select Effects	0	0–7 No animation 8–9 Macro 1 (Focus=152) 10–11 Macro 2 (Focus=113) 12–13 Macro 3 (Focus=100) 14–15 Macro 4 (Focus=105) 16–17 Macro 5 (Focus=102) 18–19 Macro 6 (Focus=110) 20–21 Macro 7 (Focus=108) 22–23 Macro 8 (Focus=121) 24–25 Macro 9 (Focus=102) 26–27 Macro 10 (Focus=98) 28–255 Reserved

Mode 3 RGBW Minimal (continued)

Ch	Function	Default	DMX values
15	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 - Index (wheel slot 2) 8–11 Gobo 2 - Index (wheel slot 3) 12–15 Gobo 3 - Index (wheel slot 4) 16–19 Gobo 4 - Index (wheel slot 5) 20–23 Gobo 5 - Index (wheel slot 6) 24–27 Gobo 6 - Index (wheel slot 7) 28–31 Gobo 7 - Index (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
16	Gobo Rotation	0	0–0 min 1–127 Forwards gobo rotation fast to slow 128–129 center 130–254 Backwards gobo rotation from slow to fast 255–255 max
17	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 3 - facet rotating prism (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)

Mode 3 RGBW Minimal (continued)

Ch	Function	Default	DMX values
18	Prism Rotation	128	0–0 Prism no rotation 0 1–1 Forwards prism rotation fast 2–127 Forwards prism rotation from fast to slow 128–128 No rotation 129–254 Backwards prism rotation from slow to fast 255–255 Backwards prism rotation from fast
19	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
20	Iris	0	0–178 Open 179–191 Closed 192–218 Pulse opening slow 219–219 Pulse opening fast 220–246 Pulse closing fast 247–247 Pulse closing slow 248–249 Random pulse opening (fast) 250–251 Random pulse opening (slow) 252–253 Random pulse closing (fast) 254–255 Random pulse closing (slow)
21	Zoom	128	
22	Focus	0	
23	Focus1Adjust	0	0–0 Autofocus Off 1–7 4 metres 8–15 6 metres 16–23 8 metres 24–31 10 metres 32–39 12 metres 40–47 14 metres 48–55 16 metres 56–63 18 metres 64–71 4 metres 72–79 6 metres 80–87 8 metres 88–95 10 metres 96–103 12 metres 104–111 14 metres 112–119 16 metres 120–120 18 metres 121–255 NoFeature 2
24	Shaper Rot	0	0–127 min 128–254 mid 255–255 max
25	Blade1A	0	
26	Blade1Rot	128	
27	Blade2A	0	
28	Blade2Rot	128	
29	Blade3A	0	
30	Blade3Rot	128	
31	Blade4A	0	
32	Blade4Rot	128	
33	Shaper Macros	0	
34	Shaper Macros Speed	0	

Mode 3 RGBW Minimal (continued)

Ch	Function	Default	DMX values
35	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe slow 95–95 Strobe fast 96–127 Shutter open 128–142 Open pulsing slow 143–143 Open pulsing fast 144–158 Shutter1StrobePulseClose · Close pulsing fast 159–159 Shutter1StrobePulseClose · Close pulsing slow 160–191 Shutter open 192–222 Strobe random slow 223–223 Strobe random fast 224–255 Shutter open
36	Dimmer	0	0–254 Closed 255–255 Open

Mode 2 CMY Reduced

38 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 White point 8000K ON 25–29 White point 8000K OFF 30–39 RGB colour mixing mode 40–49 CMY colour mixing mode 50–59 PT mode: Speed 60–69 PT mode: Time 70–79 BO while PAN TILT moving: ON 80–89 BO while PAN TILT moving: OFF 90–94 DL Colour compatible mode On 95–99 DL Colour compatible mode Off 100–104 Dimmer curve: Square law 105–109 Dimmer curve: Linear 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Fixture reset (except pan/tilt) 140–149 Pan/Tilt reset 150–159 Reserved 160–169 Gobo wheel reset 170–179 Reserved 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–224 Reserved 225–229 RoboSpot enabled 230–234 RoboSpot disabled - except handle faders and pan... 235–239 RoboSpot fully disabled except pan/tilt 240–240 Disable Theatre mode 241–241 Theatre mode - automatic control of fan noise 242–255 Theatre mode - fan noise control from min to max

Mode 2 CMY Reduced (continued)

Ch	Function	Default	DMX values
7	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (Halogen lamp mode) (wheel slot 3) 4–5 White 3200 K (wheel slot 4) 6–6 White 3200 K (Halogen lamp mode) (wheel slot 5) 7–9 White 4200 K (wheel slot 6) 10–12 White 5600 K (wheel slot 7) 13–15 White 8000 K (wheel slot 8) 16–36 Blue (wheel slot 9) 37–76 Light Blue (wheel slot 10) 77–115 Green (wheel slot 11) 116–155 Yellow (wheel slot 12) 156–195 Red (wheel slot 13) 196–231 Magenta (wheel slot 14) 232–247 Blue (wheel slot 9) 248–251 Rainbow effect from slow to fast 252–255 Rainbow effect from fast to slow
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	
11	No Feature	0	
12	C TO	0	0–63 8000 K 64–127 5600 K 128–191 4200 K 192–254 3200 K 255–255 2700 K
13	Gobo Wheel1MSpeed	0	
14	Animation Wheel1	0	0–19 Open 20–72 Proportional indexing min (wheel slot 1) 73–126 Proportional indexing center (wheel slot 1) 127–127 Proportional indexing max (wheel slot 1) 128–170 Ramping from open to full position (wheel slot 1) 171–213 Ramping from open to half position (wheel slot 1) 214–255 Ramp from half position to full position (wheel slot...
15	Animation Wheel1Pos	0	0–0 No rotation 1–127 Forwards rotation from fast to slow 128–128 No rotation 129–255 Backwards rotation from slow to fast
16	Animation Wheel1Select Effects	0	0–7 No animation 8–9 Macro 1 (Focus=152) 10–11 Macro 2 (Focus=113) 12–13 Macro 3 (Focus=100) 14–15 Macro 4 (Focus=105) 16–17 Macro 5 (Focus=102) 18–19 Macro 6 (Focus=110) 20–21 Macro 7 (Focus=108) 22–23 Macro 8 (Focus=121) 24–25 Macro 9 (Focus=102) 26–27 Macro 10 (Focus=98) 28–255 Reserved

Mode 2 CMY Reduced (continued)

Ch	Function	Default	DMX values
17	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 - Index (wheel slot 2) 8–11 Gobo 2 - Index (wheel slot 3) 12–15 Gobo 3 - Index (wheel slot 4) 16–19 Gobo 4 - Index (wheel slot 5) 20–23 Gobo 5 - Index (wheel slot 6) 24–27 Gobo 6 - Index (wheel slot 7) 28–31 Gobo 7 - Index (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
18	Gobo Rotation	0	0–0 min 1–127 Forwards gobo rotation fast to slow 128–129 center 130–254 Backwards gobo rotation from slow to fast 255–255 max
19	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 3 - facet rotating prism (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)

Mode 2 CMY Reduced (continued)

Ch	Function	Default	DMX values
20	Prism Rotation	128	0–0 Prism no rotation 0 1–1 Forwards prism rotation fast 2–127 Forwards prism rotation from fast to slow 128–128 No rotation 129–254 Backwards prism rotation from slow to fast 255–255 Backwards prism rotation from fast
21	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
22	Iris	0	0–178 Open 179–191 Closed 192–218 Pulse opening slow 219–219 Pulse opening fast 220–246 Pulse closing fast 247–247 Pulse closing slow 248–249 Random pulse opening (fast) 250–251 Random pulse opening (slow) 252–253 Random pulse closing (fast) 254–255 Random pulse closing (slow)
23	Zoom	128	
24	Focus	0	
25	Focus1Adjust	0	0–0 Autofocus Off 1–7 4 metres 8–15 6 metres 16–23 8 metres 24–31 10 metres 32–39 12 metres 40–47 14 metres 48–55 16 metres 56–63 18 metres 64–71 4 metres 72–79 6 metres 80–87 8 metres 88–95 10 metres 96–103 12 metres 104–111 14 metres 112–119 16 metres 120–120 18 metres 121–255 NoFeature 2
26	Shaper Rot	0	0–127 min 128–254 mid 255–255 max
27	Blade1A	0	
28	Blade1Rot	128	
29	Blade2A	0	
30	Blade2Rot	128	
31	Blade3A	0	
32	Blade3Rot	128	
33	Blade4A	0	
34	Blade4Rot	128	
35	Shaper Macros	0	
36	Shaper Macros Speed	0	

Mode 2 CMY Reduced (continued)

Ch	Function	Default	DMX values
37	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe slow 95–95 Strobe fast 96–127 Shutter open 128–142 Open pulsing slow 143–143 Open pulsing fast 144–158 Shutter1StrobePulseClose · Close pulsing fast 159–159 Shutter1StrobePulseClose · Close pulsing slow 160–191 Shutter open 192–222 Strobe random slow 223–223 Strobe random fast 224–255 Shutter open
38	Dimmer	0	0–254 Closed 255–255 Open

Mode 2 RGBW Reduced

38 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 White point 8000K ON 25–29 White point 8000K OFF 30–39 RGB colour mixing mode 40–49 CMY colour mixing mode 50–59 PT mode: Speed 60–69 PT mode: Time 70–79 BO while PAN TILT moving: ON 80–89 BO while PAN TILT moving: OFF 90–94 DL Colour compatible mode On 95–99 DL Colour compatible mode Off 100–104 Dimmer curve: Square law 105–109 Dimmer curve: Linear 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Fixture reset (except pan/tilt) 140–149 Pan/Tilt reset 150–159 Reserved 160–169 Gobo wheel reset 170–179 Reserved 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–224 Reserved 225–229 RoboSpot enabled 230–234 RoboSpot disabled - except handle faders and pan... 235–239 RoboSpot fully disabled except pan/tilt 240–240 Disable Theatre mode 241–241 Theatre mode - automatic control of fan noise 242–255 Theatre mode - fan noise control from min to max

Mode 2 RGBW Reduced (continued)

Ch	Function	Default	DMX values
7	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (Halogen lamp mode) (wheel slot 3) 4–5 White 3200 K (wheel slot 4) 6–6 White 3200 K (Halogen lamp mode) (wheel slot 5) 7–9 White 4200 K (wheel slot 6) 10–12 White 5600 K (wheel slot 7) 13–15 White 8000 K (wheel slot 8) 16–36 Blue (wheel slot 9) 37–76 Light Blue (wheel slot 10) 77–115 Green (wheel slot 11) 116–155 Yellow (wheel slot 12) 156–195 Red (wheel slot 13) 196–231 Magenta (wheel slot 14) 232–247 Blue (wheel slot 9) 248–251 Rainbow effect from slow to fast 252–255 Rainbow effect from fast to slow
8	Red	255	
9	Green	255	
10	Blue	255	
11	White	255	
12	C TO	0	0–63 8000 K 64–127 5600 K 128–191 4200 K 192–254 3200 K 255–255 2700 K
13	Gobo Wheel1MSpeed	0	
14	Animation Wheel1	0	0–19 Open 20–72 Proportional indexing min (wheel slot 1) 73–126 Proportional indexing center (wheel slot 1) 127–127 Proportional indexing max (wheel slot 1) 128–170 Ramping from open to full position (wheel slot 1) 171–213 Ramping from open to half position (wheel slot 1) 214–255 Ramp from half position to full position (wheel slot...
15	Animation Wheel1Pos	0	0–0 No rotation 1–127 Forwards rotation from fast to slow 128–128 No rotation 129–255 Backwards rotation from slow to fast
16	Animation Wheel1Select Effects	0	0–7 No animation 8–9 Macro 1 (Focus=152) 10–11 Macro 2 (Focus=113) 12–13 Macro 3 (Focus=100) 14–15 Macro 4 (Focus=105) 16–17 Macro 5 (Focus=102) 18–19 Macro 6 (Focus=110) 20–21 Macro 7 (Focus=108) 22–23 Macro 8 (Focus=121) 24–25 Macro 9 (Focus=102) 26–27 Macro 10 (Focus=98) 28–255 Reserved

Mode 2 RGBW Reduced (continued)

Ch	Function	Default	DMX values
17	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 - Index (wheel slot 2) 8–11 Gobo 2 - Index (wheel slot 3) 12–15 Gobo 3 - Index (wheel slot 4) 16–19 Gobo 4 - Index (wheel slot 5) 20–23 Gobo 5 - Index (wheel slot 6) 24–27 Gobo 6 - Index (wheel slot 7) 28–31 Gobo 7 - Index (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
18	Gobo Rotation	0	0–0 min 1–127 Forwards gobo rotation fast to slow 128–129 center 130–254 Backwards gobo rotation from slow to fast 255–255 max
19	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 3 - facet rotating prism (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)

Mode 2 RGBW Reduced (continued)

Ch	Function	Default	DMX values
20	Prism Rotation	128	0–0 Prism no rotation 0 1–1 Forwards prism rotation fast 2–127 Forwards prism rotation from fast to slow 128–128 No rotation 129–254 Backwards prism rotation from slow to fast 255–255 Backwards prism rotation from fast
21	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
22	Iris	0	0–178 Open 179–191 Closed 192–218 Pulse opening slow 219–219 Pulse opening fast 220–246 Pulse closing fast 247–247 Pulse closing slow 248–249 Random pulse opening (fast) 250–251 Random pulse opening (slow) 252–253 Random pulse closing (fast) 254–255 Random pulse closing (slow)
23	Zoom	128	
24	Focus	0	
25	Focus1Adjust	0	0–0 Autofocus Off 1–7 4 metres 8–15 6 metres 16–23 8 metres 24–31 10 metres 32–39 12 metres 40–47 14 metres 48–55 16 metres 56–63 18 metres 64–71 4 metres 72–79 6 metres 80–87 8 metres 88–95 10 metres 96–103 12 metres 104–111 14 metres 112–119 16 metres 120–120 18 metres 121–255 NoFeature 2
26	Shaper Rot	0	0–127 min 128–254 mid 255–255 max
27	Blade1A	0	
28	Blade1Rot	128	
29	Blade2A	0	
30	Blade2Rot	128	
31	Blade3A	0	
32	Blade3Rot	128	
33	Blade4A	0	
34	Blade4Rot	128	
35	Shaper Macros	0	
36	Shaper Macros Speed	0	

Mode 2 RGBW Reduced (continued)

Ch	Function	Default	DMX values
37	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe slow 95–95 Strobe fast 96–127 Shutter open 128–142 Open pulsing slow 143–143 Open pulsing fast 144–158 Shutter1StrobePulseClose · Close pulsing fast 159–159 Shutter1StrobePulseClose · Close pulsing slow 160–191 Shutter open 192–222 Strobe random slow 223–223 Strobe random fast 224–255 Shutter open
38	Dimmer	0	0–254 Closed 255–255 Open

Mode 1 CMY

47 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 White point 8000K ON 25–29 White point 8000K OFF 30–39 RGB colour mixing mode 40–49 CMY colour mixing mode 50–59 PT mode: Speed 60–69 PT mode: Time 70–79 BO while PAN TILT moving: ON 80–89 BO while PAN TILT moving: OFF 90–94 DL Colour compatible mode On 95–99 DL Colour compatible mode Off 100–104 Dimmer curve: Square law 105–109 Dimmer curve: Linear 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Fixture reset (except pan/tilt) 140–149 Pan/Tilt reset 150–159 Reserved 160–169 Gobo wheel reset 170–179 Reserved 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–224 Reserved 225–229 RoboSpot enabled 230–234 RoboSpot disabled - except handle faders and pan... 235–239 RoboSpot fully disabled except pan/tilt 240–240 Disable Theatre mode 241–241 Theatre mode - automatic control of fan noise 242–255 Theatre mode - fan noise control from min to max

Mode 1 CMY (continued)

Ch	Function	Default	DMX values
7	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (Halogen lamp mode) (wheel slot 3) 4–5 White 3200 K (wheel slot 4) 6–6 White 3200 K (Halogen lamp mode) (wheel slot 5) 7–9 White 4200 K (wheel slot 6) 10–12 White 5600 K (wheel slot 7) 13–15 White 8000 K (wheel slot 8) 16–36 Blue (wheel slot 9) 37–76 Light Blue (wheel slot 10) 77–115 Green (wheel slot 11) 116–155 Yellow (wheel slot 12) 156–195 Red (wheel slot 13) 196–231 Magenta (wheel slot 14) 232–247 Blue (wheel slot 9) 248–251 Rainbow effect from slow to fast 252–255 Rainbow effect from fast to slow
8	Cyan	0	
9	Cyan Fine	0	Fine byte of Cyan
10	Magenta	0	
11	Magenta Fine	0	Fine byte of Magenta
12	Yellow	0	
13	Yellow Fine	0	Fine byte of Yellow
14	No Feature	0	
15	No Feature Fine	0	Fine byte of No Feature
16	C TO	0	0–63 8000 K 64–127 5600 K 128–191 4200 K 192–254 3200 K 255–255 2700 K
17	Gobo Wheel1MSpeed	0	
18	Animation Wheel1	0	0–19 Open 20–72 Proportional indexing min (wheel slot 1) 73–126 Proportional indexing center (wheel slot 1) 127–127 Proportional indexing max (wheel slot 1) 128–170 Ramping from open to full position (wheel slot 1) 171–213 Ramping from open to half position (wheel slot 1) 214–255 Ramp from half position to full position (wheel slot…
19	Animation Wheel1Pos	0	0–0 No rotation 1–127 Forwards rotation from fast to slow 128–128 No rotation 129–255 Backwards rotation from slow to fast
20	Animation Wheel1Select Effects	0	0–7 No animation 8–9 Macro 1 (Focus=152) 10–11 Macro 2 (Focus=113) 12–13 Macro 3 (Focus=100) 14–15 Macro 4 (Focus=105) 16–17 Macro 5 (Focus=102) 18–19 Macro 6 (Focus=110) 20–21 Macro 7 (Focus=108) 22–23 Macro 8 (Focus=121) 24–25 Macro 9 (Focus=102) 26–27 Macro 10 (Focus=98) 28–255 Reserved

Mode 1 CMY (continued)

Ch	Function	Default	DMX values
21	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 - Index (wheel slot 2) 8–11 Gobo 2 - Index (wheel slot 3) 12–15 Gobo 3 - Index (wheel slot 4) 16–19 Gobo 4 - Index (wheel slot 5) 20–23 Gobo 5 - Index (wheel slot 6) 24–27 Gobo 6 - Index (wheel slot 7) 28–31 Gobo 7 - Index (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
22	Gobo Rotation	0	0–127 min 128–129 center 130–254 Backwards gobo rotation from slow to fast 255–255 max
23	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
24	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 3 - facet rotating prism (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)

Mode 1 CMY (continued)

Ch	Function	Default	DMX values
25	Prism Rotation	128	0–0 Prism no rotation 0 1–1 Forwards prism rotation fast 2–127 Forwards prism rotation from fast to slow 128–128 No rotation 129–254 Backwards prism rotation from slow to fast 255–255 Backwards prism rotation from fast
26	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
27	Iris	0	0–179 Open 180–191 Closed 192–218 Pulse opening slow 219–219 Pulse opening fast 220–246 Pulse closing fast 247–247 Pulse closing slow 248–249 Random pulse opening (fast) 250–251 Random pulse opening (slow) 252–253 Random pulse closing (fast) 254–255 Random pulse closing (slow)
28	Iris Fine	0	Fine byte of Iris
29	Zoom	128	
30	Zoom Fine	0	Fine byte of Zoom
31	Focus	0	
32	Focus Fine	0	Fine byte of Focus
33	Focus1Adjust	0	0–0 Autofocus Off 1–7 4 metres 8–15 6 metres 16–23 8 metres 24–31 10 metres 32–39 12 metres 40–47 14 metres 48–55 16 metres 56–63 18 metres 64–71 4 metres 72–79 6 metres 80–87 8 metres 88–95 10 metres 96–103 12 metres 104–111 14 metres 112–119 16 metres 120–120 18 metres 121–255 NoFeature 2
34	Shaper Rot	0	0–127 min 128–254 mid 255–255 max
35	Blade1A	0	
36	Blade1Rot	128	
37	Blade2A	0	
38	Blade2Rot	128	
39	Blade3A	0	
40	Blade3Rot	128	
41	Blade4A	0	
42	Blade4Rot	128	

Mode 1 CMY (continued)

Ch	Function	Default	DMX values
43	Shaper Macros	0	
44	Shaper Macros Speed	0	
45	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe slow 95–95 Strobe fast 96–127 Shutter open 128–142 Open pulsing slow 143–143 Open pulsing fast 144–158 Shutter1StrobePulseClose · Close pulsing fast 159–159 Shutter1StrobePulseClose · Close pulsing slow 160–191 Shutter open 192–222 Strobe random slow 223–223 Strobe random fast 224–255 Shutter open
46	Dimmer	0	0–254 Closed 255–255 Open
47	Dimmer Fine	0	Fine byte of Dimmer

Mode 1 RGBW

47 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode

Mode 1 RGBW (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 White point 8000K ON 25–29 White point 8000K OFF 30–39 RGB colour mixing mode 40–49 CMY colour mixing mode 50–59 PT mode: Speed 60–69 PT mode: Time 70–79 BO while PAN TILT moving: ON 80–89 BO while PAN TILT moving: OFF 90–94 DL Colour compatible mode On 95–99 DL Colour compatible mode Off 100–104 Dimmer curve: Square law 105–109 Dimmer curve: Linear 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Fixture reset (except pan/tilt) 140–149 Pan/Tilt reset 150–159 Reserved 160–169 Gobo wheel reset 170–179 Reserved 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–224 Reserved 225–229 RoboSpot enabled 230–234 RoboSpot disabled - except handle faders and pan... 235–239 RoboSpot fully disabled except pan/tilt 240–240 Disable Theatre mode 241–241 Theatre mode - automatic control of fan noise 242–255 Theatre mode - fan noise control from min to max
7	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (Halogen lamp mode) (wheel slot 3) 4–5 White 3200 K (wheel slot 4) 6–6 White 3200 K (Halogen lamp mode) (wheel slot 5) 7–9 White 4200 K (wheel slot 6) 10–12 White 5600 K (wheel slot 7) 13–15 White 8000 K (wheel slot 8) 16–36 Blue (wheel slot 9) 37–76 Light Blue (wheel slot 10) 77–115 Green (wheel slot 11) 116–155 Yellow (wheel slot 12) 156–195 Red (wheel slot 13) 196–231 Magenta (wheel slot 14) 232–247 Blue (wheel slot 9) 248–251 Rainbow effect from slow to fast 252–255 Rainbow effect from fast to slow
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	White	255	
15	White Fine	255	Fine byte of White

Mode 1 RGBW (continued)

Ch	Function	Default	DMX values
16	C TO	0	0–63 8000 K 64–127 5600 K 128–191 4200 K 192–254 3200 K 255–255 2700 K
17	Gobo Wheel1MSpeed	0	
18	Animation Wheel1	0	0–19 Open 20–72 Proportional indexing min (wheel slot 1) 73–126 Proportional indexing center (wheel slot 1) 127–127 Proportional indexing max (wheel slot 1) 128–170 Ramping from open to full position (wheel slot 1) 171–213 Ramping from open to half position (wheel slot 1) 214–255 Ramp from half position to full position (wheel slot...
19	Animation Wheel1Pos	0	0–0 No rotation 1–127 Forwards rotation from fast to slow 128–128 No rotation 129–255 Backwards rotation from slow to fast
20	Animation Wheel1Select Effects	0	0–7 No animation 8–9 Macro 1 (Focus=152) 10–11 Macro 2 (Focus=113) 12–13 Macro 3 (Focus=100) 14–15 Macro 4 (Focus=105) 16–17 Macro 5 (Focus=102) 18–19 Macro 6 (Focus=110) 20–21 Macro 7 (Focus=108) 22–23 Macro 8 (Focus=121) 24–25 Macro 9 (Focus=102) 26–27 Macro 10 (Focus=98) 28–255 Reserved

Mode 1 RGBW (continued)

Ch	Function	Default	DMX values
21	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 - Index (wheel slot 2) 8–11 Gobo 2 - Index (wheel slot 3) 12–15 Gobo 3 - Index (wheel slot 4) 16–19 Gobo 4 - Index (wheel slot 5) 20–23 Gobo 5 - Index (wheel slot 6) 24–27 Gobo 6 - Index (wheel slot 7) 28–31 Gobo 7 - Index (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open (wheel slot 1) 202–221 Forwards gobo wheel rotation from fast to slow 222–223 No rotation 224–243 Backwards gobo wheel rotation from slow to fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
22	Gobo Rotation	0	0–127 min 128–129 center 130–254 Backwards gobo rotation from slow to fast 255–255 max
23	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
24	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 3 - facet rotating prism (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)

Mode 1 RGBW (continued)

Ch	Function	Default	DMX values
25	Prism Rotation	128	0–0 Prism no rotation 0 1–1 Forwards prism rotation fast 2–127 Forwards prism rotation from fast to slow 128–128 No rotation 129–254 Backwards prism rotation from slow to fast 255–255 Backwards prism rotation from fast
26	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
27	Iris	0	0–179 Open 180–191 Closed 192–218 Pulse opening slow 219–219 Pulse opening fast 220–246 Pulse closing fast 247–247 Pulse closing slow 248–249 Random pulse opening (fast) 250–251 Random pulse opening (slow) 252–253 Random pulse closing (fast) 254–255 Random pulse closing (slow)
28	Iris Fine	0	Fine byte of Iris
29	Zoom	128	
30	Zoom Fine	0	Fine byte of Zoom
31	Focus	0	
32	Focus Fine	0	Fine byte of Focus
33	Focus1Adjust	0	0–0 Autofocus Off 1–7 4 metres 8–15 6 metres 16–23 8 metres 24–31 10 metres 32–39 12 metres 40–47 14 metres 48–55 16 metres 56–63 18 metres 64–71 4 metres 72–79 6 metres 80–87 8 metres 88–95 10 metres 96–103 12 metres 104–111 14 metres 112–119 16 metres 120–120 18 metres 121–255 NoFeature 2
34	Shaper Rot	0	0–127 min 128–254 mid 255–255 max
35	Blade1A	0	
36	Blade1Rot	128	
37	Blade2A	0	
38	Blade2Rot	128	
39	Blade3A	0	
40	Blade3Rot	128	
41	Blade4A	0	
42	Blade4Rot	128	

Mode 1 RGBW (continued)

Ch	Function	Default	DMX values
43	Shaper Macros	0	
44	Shaper Macros Speed	0	
45	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–94 Strobe slow 95–95 Strobe fast 96–127 Shutter open 128–142 Open pulsing slow 143–143 Open pulsing fast 144–158 Shutter1StrobePulseClose · Close pulsing fast 159–159 Shutter1StrobePulseClose · Close pulsing slow 160–191 Shutter open 192–222 Strobe random slow 223–223 Strobe random fast 224–255 Shutter open
46	Dimmer	0	0–254 Closed 255–255 Open
47	Dimmer Fine	0	Fine byte of Dimmer

Fixture model: gdtf-robe-lighting-robin-dl4s-profile-97310
Original HitLight mesh from local primitives; Robe drawings/photos used only as dimensional and visual references. No third-party mesh or ph…
Creator: HitLight