Robe Lighting

Robin T1 Profile



Manufacturer	**Robe Lighting**
Type	**Profile spot**
DMX modes	**5**
DMX footprint	**33, 49, 53 channels**
Beam angle	**7-49°**
Pan range	**540°**
Tilt range	**263.6°**
Size (W × H × D)	**278 × 535 × 257 mm**
GDTF fixture type	**F067E11C-F3E9-485B-B60D-5A...**

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 · Service functions

DMX modes

Mode 2 - Reduced CMY	33 ch
Mode 2 - Reduced RGB	33 ch
Mode 1 - CMY	49 ch
Mode 1 - RGB	49 ch
Mode 3 - RGBAL	53 ch

Mode 2 - Reduced CMY

33 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	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 Display On 25–29 Display Off 30–39 NoFeature 1 40–44 PT mode: Speed 45–49 PT mode: Time 50–54 BO while PAN TILT moving: ON 55–59 BO while PAN TILT moving: OFF 60–64 BO while Gobo moving: ON 65–69 BO while Gobo moving: OFF 70–74 Fan mode Auto 75–79 Fan mode High 80–84 Quiet mode: Fans ON at blackout 85–89 Quiet mode: Fans OFF at blackout 90–94 Fans mode: CPC-Fans OFF 95–119 NoFeature 2 120–124 Parking position ON 125–129 Parking position OFF 130–139 Fixture reset (except pan/tilt) 140–149 PositionReset 150–159 NoFeature 3 160–169 Gobo and Effect wheel reset 170–179 No function 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–218 NoFeature 5 219–220 Gobo indexing: Maximum speed and shortcut 221–222 Gobo indexing: Follow speed and direction 223–224 Gobo indexing: Maximum speed and follow directi... 225–229 RoboSpot enabled 230–234 RoboSpot disabled except faders and PT 235–239 RoboSpot fully disabled 240–240 Disabled Quiet mode 241–255 Quiet mode min to max

Mode 2 - Reduced CMY (continued)

Ch	Function	Default	DMX values
7	Color Control	1	0–29 NoFunction 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY (DMX mode 1 and 2 only) 45–49 Colour mixing mode: RGB (DMX mode 1 and 2 only) 50–54 Dimmer curve Square law 55–59 Dimmer curve Linear 60–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 NoFeature 2 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 3
8	C RIMode	0	0–254 CRI 80 255–255 CRI 90+
9	Cyan	0	
10	Magenta	0	
11	Yellow	0	
12	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K

Mode 2 - Reduced CMY (continued)

Ch	Function	Default	DMX values
13	Animation Wheel1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing max (wheel slot 2) 128–169 Ramping from open to full position max (wheel slo... 170–170 Ramping from open to full position min (wheel slo... 171–212 Ramping from open to half position max (wheel sl... 213–213 Ramping from open to half position min (wheel sl... 214–254 Ramp from half position to full position max (whe... 255–255 Ramp from half position to full position min (whee...
14	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
15	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (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/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow

Mode 2 - Reduced CMY (continued)

Ch	Function	Default	DMX values
16	Gobo Rotation	128	0–0 Gobo indexing min 1–123 fast to slow - Fast 124–127 fast to slow - Slow 128–128 Gobo indexing center 129–231 Gobo indexing max 232–255 slow to fast - Fast
17	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 6 - facet rotating prism (wheel slot 2) 128–135 Prism/gobo macros (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)
18	Prism Rotation	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
19	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow

Mode 2 - Reduced CMY (continued)

Ch	Function	Default	DMX values
20	Iris	0	0–179 Open 180–191 Closed 192–194 Slow to fast 1/13 195–196 Slow to fast 2/13 197–198 Slow to fast 3/13 199–200 Slow to fast 4/13 201–202 Slow to fast 5/13 203–204 Slow to fast 6/13 205–206 Slow to fast 7/13 207–208 Slow to fast 8/13 209–210 Slow to fast 9/13 211–212 Slow to fast 10/13 213–214 Slow to fast 11/13 215–216 Slow to fast 12/13 217–219 Slow to fast 13/13 220–221 Fast to slow 1/13 222–223 Fast to slow 2/13 224–225 Fast to slow 3/13 226–227 Fast to slow 4/13 228–229 Fast to slow 5/13 230–231 Fast to slow 6/13 232–233 Fast to slow 7/13 234–235 Fast to slow 8/13 236–237 Fast to slow 9/13 238–239 Fast to slow 10/13 240–241 Fast to slow 11/13 242–243 Fast to slow 12/13 244–247 Fast to slow 13/13 248–249 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	0–127 Zoom max 128–254 Zoom center 255–255 Zoom min
22	Focus	128	0–127 far 128–254 center 255–255 near
23	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
24	Blade1A	0	
25	Blade1Rot	128	0–127 min 128–254 mid 255–255 max
26	Blade4A	0	
27	Blade4Rot	128	0–127 min 128–254 mid 255–255 max
28	Blade3A	0	
29	Blade3Rot	128	0–127 min 128–254 mid 255–255 max
30	Blade2A	0	
31	Blade2Rot	128	0–127 min 128–254 mid 255–255 max

Mode 2 - Reduced CMY (continued)

Ch	Function	Default	DMX values
32	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 Strobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 Strobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 Strobe · Slow to fast 12/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.1–0.26 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 0.287–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–0.367 Hz 150–155 StrobePulseClose · Fast to slow 4/7 0.34–0.207 Hz 156–159 StrobePulseClose · Fast to slow 7/7 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
33	Dimmer	0	0–254 Closed 255–255 Open

Mode 2 - Reduced RGB

33 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	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–39 NoFeature 1 40–44 PT mode: Speed 45–49 PT mode: Time 50–54 BO while PAN TILT moving: ON 55–59 BO while PAN TILT moving: OFF 60–64 BO while Gobo moving: ON 65–69 BO while Gobo moving: OFF 70–74 Fan mode Auto 75–79 Fan mode High 80–84 Quiet mode: Fans ON at blackout 85–89 Quiet mode: Fans OFF at blackout 90–94 Fans mode: CPC-Fans OFF 95–119 NoFeature 2 120–124 Parking position ON 125–129 Parking position OFF 130–139 Fixture reset (except pan/tilt) 140–149 PositionReset 150–159 NoFeature 3 160–169 Gobo and Effect wheel reset 170–179 No function 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–218 NoFeature 5 219–220 Gobo indexing: Maximum speed and shortcut 221–222 Gobo indexing: Follow speed and direction 223–224 Gobo indexing: Maximum speed and follow directi… 225–229 RoboSpot enabled 230–234 RoboSpot disabled except faders and PT 235–239 RoboSpot fully disabled 240–240 Disabled Quiet mode 241–255 Quiet mode min to max

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
7	Color Control	1	0–29 NoFunction 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY (DMX mode 1 and 2 only) 45–49 Colour mixing mode: RGB (DMX mode 1 and 2 only) 50–54 Dimmer curve Square law 55–59 Dimmer curve Linear 60–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 NoFeature 2 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 3
8	C RIMode	0	0–254 CRI 80 255–255 CRI 90+
9	Red	255	
10	Green	255	
11	Blue	255	
12	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
13	Animation Wheel1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing max (wheel slot 2) 128–169 Ramping from open to full position max (wheel slo... 170–170 Ramping from open to full position min (wheel slo... 171–212 Ramping from open to half position max (wheel sl... 213–213 Ramping from open to half position min (wheel sl... 214–254 Ramp from half position to full position max (whe... 255–255 Ramp from half position to full position min (whee...
14	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
15	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (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/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
16	Gobo Rotation	128	0–0 Gobo indexing min 1–123 fast to slow - Fast 124–127 fast to slow - Slow 128–128 Gobo indexing center 129–231 Gobo indexing max 232–255 slow to fast - Fast
17	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 6 - facet rotating prism (wheel slot 2) 128–135 Prism/gobo macros (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)
18	Prism Rotation	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
19	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
20	Iris	0	0–179 Open 180–191 Closed 192–194 Slow to fast 1/13 195–196 Slow to fast 2/13 197–198 Slow to fast 3/13 199–200 Slow to fast 4/13 201–202 Slow to fast 5/13 203–204 Slow to fast 6/13 205–206 Slow to fast 7/13 207–208 Slow to fast 8/13 209–210 Slow to fast 9/13 211–212 Slow to fast 10/13 213–214 Slow to fast 11/13 215–216 Slow to fast 12/13 217–219 Slow to fast 13/13 220–221 Fast to slow 1/13 222–223 Fast to slow 2/13 224–225 Fast to slow 3/13 226–227 Fast to slow 4/13 228–229 Fast to slow 5/13 230–231 Fast to slow 6/13 232–233 Fast to slow 7/13 234–235 Fast to slow 8/13 236–237 Fast to slow 9/13 238–239 Fast to slow 10/13 240–241 Fast to slow 11/13 242–243 Fast to slow 12/13 244–247 Fast to slow 13/13 248–249 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	0–127 Zoom max 128–254 Zoom center 255–255 Zoom min
22	Focus	128	0–127 Focus far 128–254 Focus center 255–255 Focus near
23	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
24	Blade1A	0	
25	Blade1Rot	128	0–127 min 128–254 mid 255–255 max
26	Blade4A	0	
27	Blade4Rot	128	0–127 min 128–254 mid 255–255 max
28	Blade3A	0	
29	Blade3Rot	128	0–127 min 128–254 mid 255–255 max
30	Blade2A	0	
31	Blade2Rot	128	0–127 min 128–254 mid 255–255 max

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
32	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 Strobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 Strobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 Strobe · Slow to fast 12/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.1–0.26 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 0.287–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–0.367 Hz 150–155 StrobePulseClose · Fast to slow 4/7 0.34–0.207 Hz 156–159 StrobePulseClose · Fast to slow 7/7 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
33	Dimmer	0	0–254 Closed 255–255 Open

Mode 1 - CMY

49 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	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–39 NoFeature 1 40–44 PT mode: Speed 45–49 PT mode: Time 50–54 BO while PAN TILT moving: ON 55–59 BO while PAN TILT moving: OFF 60–64 BO while Gobo moving: ON 65–69 BO while Gobo moving: OFF 70–74 Fan mode Auto 75–79 Fan mode High 80–84 Quiet mode: Fans ON at blackout 85–89 Quiet mode: Fans OFF at blackout 90–94 Fans mode: CPC-Fans OFF 95–119 NoFeature 2 120–124 Parking position ON 125–129 Parking position OFF 130–139 Fixture reset (except pan/tilt) 140–149 PositionReset 150–159 NoFeature 3 160–169 Gobo and Effect wheel reset 170–179 No function 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–218 NoFeature 5 219–220 Gobo indexing: Maximum speed and shortcut 221–222 Gobo indexing: Follow speed and direction 223–224 Gobo indexing: Maximum speed and follow directi… 225–229 RoboSpot enabled 230–234 RoboSpot disabled except faders and PT 235–239 RoboSpot fully disabled 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
7	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 300 Hz 10–14 600 Hz 15–19 1200 Hz 20–24 2400 Hz 25–255 NoFeature
8	L EDFrequency Adjust	128	

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
9	Color Control	1	0–29 NoFunction 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY (DMX mode 1 and 2 only) 45–49 Colour mixing mode: RGB (DMX mode 1 and 2 only) 50–54 Dimmer curve Square law 55–59 Dimmer curve Linear 60–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 NoFeature 2 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 3
10	C RIMode	0	0–254 CRI 80 255–255 CRI 90+
11	Color Macro1	0	
12	Cyan	0	
13	Cyan Fine	0	Fine byte of Cyan
14	Magenta	0	
15	Magenta Fine	0	Fine byte of Magenta
16	Yellow	0	
17	Yellow Fine	0	Fine byte of Yellow
18	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
19	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 129–254 Uncorrected white - > Plus green 255–255 Uncorrected white
20	Color Mix Mode	0	0–9 Virtual colours (Virtual has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Virtual and Colour mix) 40–49 Addition mode (Virtual + Colour mix) 50–59 Subtraction mode (Virtual - Colour mix) 60–69 Inverted Subtraction mode (Colour mix - Virtual) 70–79 White Point Off 80–128 Reserved 129–129 Crossfade Virtual only 130–254 Crossfade between Virtual and Colour mix 255–255 Crossfade Color mix only
21	Gobo Wheel1MSpeed	0	
22	Focus MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode
23	Animation Wheel1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing max (wheel slot 2) 128–169 Ramping from open to full position max (wheel slo... 170–170 Ramping from open to full position min (wheel slo... 171–212 Ramping from open to half position max (wheel sl... 213–213 Ramping from open to half position min (wheel sl... 214–254 Ramp from half position to full position max (whe... 255–255 Ramp from half position to full position min (whee...
24	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
25	Animation Wheel1Select Effects	0	0–7 No animation 8–9 Macro 1 (Focus=94) 10–11 Macro 2 (Focus=84) 12–13 Macro 3 (Focus=87) 14–15 Macro 4 (Focus=69) 16–17 Macro 5 (Focus=82) 18–19 Macro 6 (Focus=82) 20–21 Macro 7 (Focus=72) 22–23 Macro 8 (Focus=86) 24–25 Macro 9 (Focus=78) 26–27 Macro 10 (Focus=102) 28–255 NoFeature

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
26	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (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/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
27	Gobo Rotation	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–255 Slow to fast - Fast
28	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
29	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 6 - facet rotating prism (wheel slot 2) 128–135 Prism/gobo macros (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
30	Prism Rotation	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
31	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
32	Iris	0	0–179 Open 180–191 Closed 192–194 Slow to fast 1/13 195–196 Slow to fast 2/13 197–198 Slow to fast 3/13 199–200 Slow to fast 4/13 201–202 Slow to fast 5/13 203–204 Slow to fast 6/13 205–206 Slow to fast 7/13 207–208 Slow to fast 8/13 209–210 Slow to fast 9/13 211–212 Slow to fast 10/13 213–214 Slow to fast 11/13 215–216 Slow to fast 12/13 217–219 Slow to fast 13/13 220–221 Fast to slow 1/13 222–223 Fast to slow 2/13 224–225 Fast to slow 3/13 226–227 Fast to slow 4/13 228–229 Fast to slow 5/13 230–231 Fast to slow 6/13 232–233 Fast to slow 7/13 234–235 Fast to slow 8/13 236–237 Fast to slow 9/13 238–239 Fast to slow 10/13 240–241 Fast to slow 11/13 242–243 Fast to slow 12/13 244–247 Fast to slow 13/13 248–249 Random pulse opening fast 250–251 Random pulse opening slow 252–253 Random pulse closing fast 254–255 Random pulse closing slow
33	Iris Fine	0	Fine byte of Iris
34	Zoom	128	
35	Zoom Fine	0	Fine byte of Zoom
36	Focus	128	
37	Focus Fine	128	Fine byte of Focus
38	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
39	Blade1A	0	
40	Blade1Rot	128	
41	Blade4A	0	
42	Blade4Rot	128	
43	Blade3A	0	
44	Blade3Rot	128	
45	Blade2A	0	
46	Blade2Rot	128	

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
47	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 Strobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 Strobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 Strobe · Slow to fast 12/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.1–0.26 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 0.287–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–0.367 Hz 150–155 StrobePulseClose · Fast to slow 4/7 0.34–0.207 Hz 156–159 StrobePulseClose · Fast to slow 7/7 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
48	Dimmer	0	0–254 Closed 255–255 Open
49	Dimmer Fine	0	Fine byte of Dimmer

Mode 1 - RGB

49 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	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–39 NoFeature 1 40–44 PT mode: Speed 45–49 PT mode: Time 50–54 BO while PAN TILT moving: ON 55–59 BO while PAN TILT moving: OFF 60–64 BO while Gobo moving: ON 65–69 BO while Gobo moving: OFF 70–74 Fan mode Auto 75–79 Fan mode High 80–84 Quiet mode: Fans ON at blackout 85–89 Quiet mode: Fans OFF at blackout 90–94 Fans mode: CPC-Fans OFF 95–119 NoFeature 2 120–124 Parking position ON 125–129 Parking position OFF 130–139 Fixture reset (except pan/tilt) 140–149 PositionReset 150–159 NoFeature 3 160–169 Gobo and Effect wheel reset 170–179 No function 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–218 NoFeature 5 219–220 Gobo indexing: Maximum speed and shortcut 221–222 Gobo indexing: Follow speed and direction 223–224 Gobo indexing: Maximum speed and follow directi… 225–229 RoboSpot enabled 230–234 RoboSpot disabled except faders and PT 235–239 RoboSpot fully disabled 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
7	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 300 Hz 10–14 600 Hz 15–19 1200 Hz 20–24 2400 Hz 25–255 NoFeature
8	L EDFrequency Adjust	128	

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
9	Color Control	1	0–29 NoFunction 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY (DMX mode 1 and 2 only) 45–49 Colour mixing mode: RGB (DMX mode 1 and 2 only) 50–54 Dimmer curve Square law 55–59 Dimmer curve Linear 60–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 NoFeature 2 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 3
10	C RIMode	0	0–254 CRI 80 255–255 CRI 90+
11	Color Macro1	0	
12	Red	255	
13	Red Fine	255	Fine byte of Red
14	Green	255	
15	Green Fine	255	Fine byte of Green
16	Blue	255	
17	Blue Fine	255	Fine byte of Blue
18	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
19	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 129–254 Uncorrected white - > Plus green 255–255 Uncorrected white
20	Color Mix Mode	0	0–9 Virtual colours (Virtual has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Virtual and Colour mix) 40–49 Addition mode (Virtual + Colour mix) 50–59 Subtraction mode (Virtual - Colour mix) 60–69 Inverted Subtraction mode (Colour mix - Virtual) 70–79 White Point Off 80–128 Reserved 129–129 Crossfade Virtual only 130–254 Crossfade between Virtual and Colour mix 255–255 Crossfade Color mix only
21	Gobo Wheel1MSpeed	0	
22	Focus MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode
23	Animation Wheel1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing max (wheel slot 2) 128–169 Ramping from open to full position max (wheel slo... 170–170 Ramping from open to full position min (wheel slo... 171–212 Ramping from open to half position max (wheel sl... 213–213 Ramping from open to half position min (wheel sl... 214–254 Ramp from half position to full position max (whe... 255–255 Ramp from half position to full position min (whee...
24	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
25	Animation Wheel1Select Effects	0	0–7 No animation 8–9 Macro 1 (Focus=94) 10–11 Macro 2 (Focus=84) 12–13 Macro 3 (Focus=87) 14–15 Macro 4 (Focus=69) 16–17 Macro 5 (Focus=82) 18–19 Macro 6 (Focus=82) 20–21 Macro 7 (Focus=72) 22–23 Macro 8 (Focus=86) 24–25 Macro 9 (Focus=78) 26–27 Macro 10 (Focus=102) 28–255 Reserved

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
26	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (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/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
27	Gobo Rotation	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–255 Slow to fast - Fast
28	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
29	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 6 - facet rotating prism (wheel slot 2) 128–135 Prism/gobo macros (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 - RGB (continued)

Ch	Function	Default	DMX values
30	Prism Rotation	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
31	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
32	Iris	0	0–179 Open 180–191 Closed 192–194 Slow to fast 1/13 195–196 Slow to fast 2/13 197–198 Slow to fast 3/13 199–200 Slow to fast 4/13 201–202 Slow to fast 5/13 203–204 Slow to fast 6/13 205–206 Slow to fast 7/13 207–208 Slow to fast 8/13 209–210 Slow to fast 9/13 211–212 Slow to fast 10/13 213–214 Slow to fast 11/13 215–216 Slow to fast 12/13 217–219 Slow to fast 13/13 220–221 Fast to slow 1/13 222–223 Fast to slow 2/13 224–225 Fast to slow 3/13 226–227 Fast to slow 4/13 228–229 Fast to slow 5/13 230–231 Fast to slow 6/13 232–233 Fast to slow 7/13 234–235 Fast to slow 8/13 236–237 Fast to slow 9/13 238–239 Fast to slow 10/13 240–241 Fast to slow 11/13 242–243 Fast to slow 12/13 244–247 Fast to slow 13/13 248–249 Random pulse opening fast 250–251 Random pulse opening slow 252–253 Random pulse closing fast 254–255 Random pulse closing slow
33	Iris Fine	0	Fine byte of Iris
34	Zoom	128	0–127 Zoom max 128–254 Zoom center 255–255 Zoom min
35	Zoom Fine	0	Fine byte of Zoom
36	Focus	128	0–127 Focus far 128–254 Focus center 255–255 Focus near
37	Focus Fine	128	Fine byte of Focus
38	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
39	Blade1A	0	
40	Blade1Rot	128	0–127 min 128–254 mid 255–255 max
41	Blade4A	0	
42	Blade4Rot	128	0–127 min 128–254 mid 255–255 max
43	Blade3A	0	
44	Blade3Rot	128	0–127 min 128–254 mid 255–255 max
45	Blade2A	0	

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
46	Blade2Rot	128	0–127 min 128–254 mid 255–255 max
47	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 Strobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 Strobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 Strobe · Slow to fast 12/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.1–0.26 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 0.287–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–0.367 Hz 150–155 StrobePulseClose · Fast to slow 4/7 0.34–0.207 Hz 156–159 StrobePulseClose · Fast to slow 7/7 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
48	Dimmer	0	0–254 Closed 255–255 Open
49	Dimmer Fine	0	Fine byte of Dimmer

Mode 3 - RGBAL

53 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	Position MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode

Mode 3 - RGBAL (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–39 NoFeature 1 40–44 PT mode: Speed 45–49 PT mode: Time 50–54 BO while PAN TILT moving: ON 55–59 BO while PAN TILT moving: OFF 60–64 BO while Gobo moving: ON 65–69 BO while Gobo moving: OFF 70–74 Fan mode Auto 75–79 Fan mode High 80–84 Quiet mode: Fans ON at blackout 85–89 Quiet mode: Fans OFF at blackout 90–94 Fans mode: CPC-Fans OFF 95–119 NoFeature 2 120–124 Parking position ON 125–129 Parking position OFF 130–139 Fixture reset (except pan/tilt) 140–149 PositionReset 150–159 NoFeature 3 160–169 Gobo and Effect wheel reset 170–179 No function 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–218 NoFeature 5 219–220 Gobo indexing: Maximum speed and shortcut 221–222 Gobo indexing: Follow speed and direction 223–224 Gobo indexing: Maximum speed and follow directi… 225–229 RoboSpot enabled 230–234 RoboSpot disabled except faders and PT 235–239 RoboSpot fully disabled 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
7	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 300 Hz 10–14 600 Hz 15–19 1200 Hz 20–24 2400 Hz 25–255 NoFeature
8	L EDFrequency Adjust	128	

Mode 3 - RGBAL (continued)

Ch	Function	Default	DMX values
9	Color Control	1	0–29 NoFunction 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY (DMX mode 1 and 2 only) 45–49 Colour mixing mode: RGB (DMX mode 1 and 2 only) 50–54 Dimmer curve Square law 55–59 Dimmer curve Linear 60–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 NoFeature 2 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 3
10	C RIMode	0	0–254 CRI 80 255–255 CRI 90+
11	Color Macro1	0	
12	Red	255	
13	Red Fine	255	Fine byte of Red
14	Green	255	
15	Green Fine	255	Fine byte of Green
16	Blue	255	
17	Blue Fine	255	Fine byte of Blue
18	Color Add RY	255	
19	Color Add RY Fine	255	Fine byte of Color Add RY
20	Color Add GY	255	
21	Color Add GY Fine	255	Fine byte of Color Add GY

Mode 3 - RGBAL (continued)

Ch	Function	Default	DMX values
22	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
23	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 129–254 Uncorrected white - > Plus green 255–255 Uncorrected white
24	Color Mix Mode	0	0–9 Virtual colours (Virtual has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Virtual and Colour mix) 40–49 Addition mode (Virtual + Colour mix) 50–59 Subtraction mode (Virtual - Colour mix) 60–69 Inverted Subtraction mode (Colour mix - Virtual) 70–79 White Point Off 80–128 Reserved 129–129 Crossfade Virtual only 130–254 Crossfade between Virtual and Colour mix 255–255 Crossfade Color mix only
25	Gobo Wheel1MSpeed	0	
26	Focus MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode
27	Animation Wheel1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing max (wheel slot 2) 128–169 Ramping from open to full position max (wheel slo… 170–170 Ramping from open to full position min (wheel slo… 171–212 Ramping from open to half position max (wheel sl… 213–213 Ramping from open to half position min (wheel sl… 214–254 Ramp from half position to full position max (whe… 255–255 Ramp from half position to full position min (whee…
28	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7

Mode 3 - RGBAL (continued)

Ch	Function	Default	DMX values
29	Animation Wheel1Select Effects	0	0–7 No animation 8–9 Macro 1 (Focus=94) 10–11 Macro 2 (Focus=84) 12–13 Macro 3 (Focus=87) 14–15 Macro 4 (Focus=69) 16–17 Macro 5 (Focus=82) 18–19 Macro 6 (Focus=82) 20–21 Macro 7 (Focus=72) 22–23 Macro 8 (Focus=86) 24–25 Macro 9 (Focus=78) 26–27 Macro 10 (Focus=102) 28–255 Reserved
30	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (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/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
31	Gobo Rotation	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–255 Slow to fast - Fast
32	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Mode 3 - RGBAL (continued)

Ch	Function	Default	DMX values
33	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 6 - facet rotating prism (wheel slot 2) 128–135 Prism/gobo macros (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)
34	Prism Rotation	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
35	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow

Mode 3 - RGBAL (continued)

Ch	Function	Default	DMX values
36	Iris	0	0–179 Open 180–191 Closed 192–194 Slow to fast 1/13 195–196 Slow to fast 2/13 197–198 Slow to fast 3/13 199–200 Slow to fast 4/13 201–202 Slow to fast 5/13 203–204 Slow to fast 6/13 205–206 Slow to fast 7/13 207–208 Slow to fast 8/13 209–210 Slow to fast 9/13 211–212 Slow to fast 10/13 213–214 Slow to fast 11/13 215–216 Slow to fast 12/13 217–219 Slow to fast 13/13 220–221 Fast to slow 1/13 222–223 Fast to slow 2/13 224–225 Fast to slow 3/13 226–227 Fast to slow 4/13 228–229 Fast to slow 5/13 230–231 Fast to slow 6/13 232–233 Fast to slow 7/13 234–235 Fast to slow 8/13 236–237 Fast to slow 9/13 238–239 Fast to slow 10/13 240–241 Fast to slow 11/13 242–243 Fast to slow 12/13 244–247 Fast to slow 13/13 248–249 Random pulse opening fast 250–251 Random pulse opening slow 252–253 Random pulse closing fast 254–255 Random pulse closing slow
37	Iris Fine	0	Fine byte of Iris
38	Zoom	128	0–127 Zoom max 128–254 Zoom center 255–255 Zoom min
39	Zoom Fine	0	Fine byte of Zoom
40	Focus	128	0–127 Focus far 128–254 Focus center 255–255 Focus near
41	Focus Fine	128	Fine byte of Focus
42	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
43	Blade1A	0	
44	Blade1Rot	128	0–127 min 128–254 mid 255–255 max
45	Blade4A	0	
46	Blade4Rot	128	0–127 min 128–254 mid 255–255 max
47	Blade3A	0	
48	Blade3Rot	128	0–127 min 128–254 mid 255–255 max
49	Blade2A	0	

Mode 3 - RGBAL (continued)

Ch	Function	Default	DMX values
50	Blade2Rot	128	0–127 min 128–254 mid 255–255 max
51	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 Strobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 Strobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 Strobe · Slow to fast 12/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.1–0.26 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 0.287–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–0.367 Hz 150–155 StrobePulseClose · Fast to slow 4/7 0.34–0.207 Hz 156–159 StrobePulseClose · Fast to slow 7/7 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
52	Dimmer	0	0–254 Closed 255–255 Open
53	Dimmer Fine	0	Fine byte of Dimmer