Robe Lighting

Robin Tdot5 Profile



Manufacturer	**Robe Lighting**
Type	**Profile spot**
DMX modes	**5**
DMX footprint	**33, 49, 53 channels**
Beam angle	**5-55°**
Pan range	**540°**
Tilt range	**264°**
Size (W × H × D)	**272 × 438 × 248 mm**
GDTF fixture type	**A3F97DB0-A2F7-47CB-9BDF-70…**

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 90–119 NoFeature 2 120–124 Parking position ON 125–129 Parking position OFF 130–139 Fixture reset (except pan/tilt) 140–149 PositionReset 150–151 ON-Static P/T reset 152–153 OFF-Static P/T reset 154–155 Calibrate P/T reset 156–159 NoFeature 3 160–169 Gobo and Effect wheel reset 170–179 NoFeature 4 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–213 Saving current DMX values 214–215 Preset Cue playback ON 216–217 Preset Cue playback OFF 218–218 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	40	0–0 No function 1–39 NoFeature 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 5 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 145–149 Green correction - 2700K/CRI 80 150–154 Green correction - 3200K/CRI 80 155–159 Green correction - 4200K/CRI 80 160–164 Green correction - 5600K/CRI 80 165–169 Green correction - 8000K/CRI 80 170–174 Green correction - 2700K/CRI 90 175–179 Green correction - 3200K/CRI 90 180–184 Green correction - 4200K/CRI 90 185–189 Green correction - 5600K/CRI 90 190–194 Green correction - 8000K/CRI 90 195–199 Save Green correction 200–255 NoFeature 11
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
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...

Mode 2 - Reduced CMY (continued)

Ch	Function	Default	DMX values
14	Animation Wheel1Pos	128	0–0 No rotation 1–124 Fast 125–127 Slow 128–128 No rotation middle 129–232 Slow 233–255 Fast
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) 202–221 Fast to slow - Fast 222–222 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
16	Gobo Rotation	128	0–0 min 1–123 CW - Fast 124–127 CW - Slow 128–128 center 129–231 max 232–255 CCW - Fast

Mode 2 - Reduced CMY (continued)

Ch	Function	Default	DMX values
17	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–73 6F Prism (wheel slot 2) 74–127 6F 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 min 1–124 CCW - Fast 125–127 CCW - slow 128–128 center 129–254 max 255–255 CW - fast
19	Frost1	0	0–0 Open 1–53 Frost 0% to 100% 54–63 Pulse close - slow to fast 64–73 Pulse open - fast to slow 74–83 Ramping - fast to slow 84–86 Open 87–139 Frost 0% to 100% 140–149 Pulse close - slow to fast 150–159 Pulse open - fast to slow 160–169 Ramping - fast to slow 170–173 Open 174–225 Frost 0% to 100% 226–235 Pulse close - slow to fast 236–245 Pulse open - fast to slow 246–255 Ramping - fast to slow
20	Iris	0	0–179 Open 180–191 Closed 192–216 Slow 217–243 Fast 244–247 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	128	
23	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
24	Blade1A	0	
25	Blade1Rot	128	
26	Blade4A	0	
27	Blade4Rot	128	
28	Blade3A	0	

Mode 2 - Reduced CMY (continued)

Ch	Function	Default	DMX values
29	Blade3Rot	128	
30	Blade2A	0	
31	Blade2Rot	128	
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 90–119 NoFeature 2 120–124 Parking position ON 125–129 Parking position OFF 130–139 Fixture reset (except pan/tilt) 140–149 PositionReset 150–151 ON-Static P/T reset 152–153 OFF-Static P/T reset 154–155 Calibrate P/T reset 156–159 NoFeature 3 160–169 Gobo and Effect wheel reset 170–179 NoFeature 4 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–213 Saving current DMX values 214–215 Preset Cue playback ON 216–217 Preset Cue playback OFF 218–218 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	40	0–0 No function 1–39 NoFeature 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 5 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 145–149 Green correction - 2700K/CRI 80 150–154 Green correction - 3200K/CRI 80 155–159 Green correction - 4200K/CRI 80 160–164 Green correction - 5600K/CRI 80 165–169 Green correction - 8000K/CRI 80 170–174 Green correction - 2700K/CRI 90 175–179 Green correction - 3200K/CRI 90 180–184 Green correction - 4200K/CRI 90 185–189 Green correction - 5600K/CRI 90 190–194 Green correction - 8000K/CRI 90 195–199 Save Green correction 200–255 NoFeature 11
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
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...

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
14	Animation Wheel1Pos	128	0–0 No rotation 1–124 Fast 125–127 Slow 128–128 No rotation middle 129–232 Slow 233–255 Fast
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) 202–221 Fast to slow - Fast 222–222 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
16	Gobo Rotation	128	0–0 min 1–123 CW - Fast 124–127 CW - Slow 128–128 center 129–231 max 232–255 CCW - Fast

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
17	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–73 6F Prism (wheel slot 2) 74–127 6F 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 min 1–124 CCW - Fast 125–127 CCW - slow 128–128 center 129–254 max 255–255 CW - fast
19	Frost1	0	0–0 Open 1–53 Frost 0% to 100% 54–63 Pulse close - slow to fast 64–73 Pulse open - fast to slow 74–83 Ramping - fast to slow 84–86 Open 87–139 Frost 0% to 100% 140–149 Pulse close - slow to fast 150–159 Pulse open - fast to slow 160–169 Ramping - fast to slow 170–173 Open 174–225 Frost 0% to 100% 226–235 Pulse close - slow to fast 236–245 Pulse open - fast to slow 246–255 Ramping - fast to slow
20	Iris	0	0–179 Open 180–191 Closed 192–216 Slow 217–243 Fast 244–247 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	128	
23	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
24	Blade1A	0	
25	Blade1Rot	128	
26	Blade4A	0	
27	Blade4Rot	128	
28	Blade3A	0	

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
29	Blade3Rot	128	
30	Blade2A	0	
31	Blade2Rot	128	
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 90–119 NoFeature 2 120–124 Parking position ON 125–129 Parking position OFF 130–139 Fixture reset (except pan/tilt) 140–149 PositionReset 150–151 ON-Static P/T reset 152–153 OFF-Static P/T reset 154–155 Calibrate P/T reset 156–159 NoFeature 3 160–169 Gobo and Effect wheel reset 170–179 NoFeature 4 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–213 Saving current DMX values 214–215 Preset Cue playback ON 216–217 Preset Cue playback OFF 218–218 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	0	0–0 No function 1–39 NoFeature 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 5 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 145–149 Green correction - 2700K/CRI 80 150–154 Green correction - 3200K/CRI 80 155–159 Green correction - 4200K/CRI 80 160–164 Green correction - 5600K/CRI 80 165–169 Green correction - 8000K/CRI 80 170–174 Green correction - 2700K/CRI 90 175–179 Green correction - 3200K/CRI 90 180–184 Green correction - 4200K/CRI 90 185–189 Green correction - 5600K/CRI 90 190–194 Green correction - 8000K/CRI 90 195–199 Save Green correction 200–255 NoFeature 11
10	C RIMode	0	0–254 CRI 80 255–255 CRI 90+

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 10 (Medium Yellow) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Filter 71 (Tokyo Blue) (wheel slot 8) 15–16 Filter 79 (Just Blue) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 100 (Spring Yellow) (wheel slot 12) 23–24 Filter 101 (Yellow) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 104 (Deep Amber) (wheel slot 16) 31–32 Filter 105 (Orange) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 116 (Medium Blue - Green) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 119 (Dark Blue) (wheel slot 24) 47–48 Filter 120 (Deep Blue) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 139 (Primary Green) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 158 (Deep Orange) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 179 (Chrome Orange) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 205 (Half CT Orange) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
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
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 1–124 Fast 125–127 Slow 128–128 No rotation middle 129–232 Slow 233–255 Fast

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
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
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) 202–221 Fast to slow - Fast 222–222 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 min 1–123 CW - Fast 124–127 CW - Slow 128–128 center 129–231 CCW - Slow 232–255 CCW - Fast
28	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
29	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–73 6F Prism (wheel slot 2) 74–127 6F 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)
30	Prism Rotation	128	0–0 min 1–124 CCW - Fast 125–127 CCW - slow 128–128 center 129–254 max 255–255 CW - fast
31	Frost1	0	0–0 Open 1–53 Frost 0% to 100% 54–63 Pulse close - slow to fast 64–73 Pulse open - fast to slow 74–83 Ramping - fast to slow 84–86 Open 87–139 Frost 0% to 100% 140–149 Pulse close - slow to fast 150–159 Pulse open - fast to slow 160–169 Ramping - fast to slow 170–173 Open 174–225 Frost 0% to 100% 226–235 Pulse close - slow to fast 236–245 Pulse open - fast to slow 246–255 Ramping - fast to slow
32	Iris	0	0–179 Open 180–191 Closed 192–216 Slow 217–243 Fast 244–247 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
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	

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
41	Blade4A	0	
42	Blade4Rot	128	
43	Blade3A	0	
44	Blade3Rot	128	
45	Blade2A	0	
46	Blade2Rot	128	
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 90–119 NoFeature 2 120–124 Parking position ON 125–129 Parking position OFF 130–139 Fixture reset (except pan/tilt) 140–149 PositionReset 150–151 ON-Static P/T reset 152–153 OFF-Static P/T reset 154–155 Calibrate P/T reset 156–159 NoFeature 3 160–169 Gobo and Effect wheel reset 170–179 NoFeature 4 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–213 Saving current DMX values 214–215 Preset Cue playback ON 216–217 Preset Cue playback OFF 218–218 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	40	1–39 NoFeature 40–44 ColorMixMode CMY 45–49 ColorMixMode RGB 50–54 DimmerCurve(square) 55–59 DimmerCurve(linear) 60–79 NoFeature 5 80–84 Tungsten 750 85–89 Tungsten 1000 90–94 Tungsten 1200 95–99 Tungsten 2000 100–104 Tungsten 2500 105–109 Tungsten OFF 110–114 SaveUserColor 115–119 ChromaticWhiteON 120–124 ChromaticWhiteOFF 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–149 Green correction - 2700K/CRI 80 150–154 Green correction - 3200K/CRI 80 155–159 Green correction - 4200K/CRI 80 160–164 Green correction - 5600K/CRI 80 165–169 Green correction - 8000K/CRI 80 170–174 Green correction - 2700K/CRI 90 175–179 Green correction - 3200K/CRI 90 180–184 Green correction - 4200K/CRI 90 185–189 Green correction - 5600K/CRI 90 190–194 Green correction - 8000K/CRI 90 195–199 Save Green correction 200–255 NoFeature 11
10	C RIMode	0	0–254 CRI 80 255–255 CRI 90+

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 10 (Medium Yellow) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Filter 71 (Tokyo Blue) (wheel slot 8) 15–16 Filter 79 (Just Blue) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 100 (Spring Yellow) (wheel slot 12) 23–24 Filter 101 (Yellow) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 104 (Deep Amber) (wheel slot 16) 31–32 Filter 105 (Orange) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 116 (Medium Blue - Green) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 119 (Dark Blue) (wheel slot 24) 47–48 Filter 120 (Deep Blue) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 139 (Primary Green) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 158 (Deep Orange) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 179 (Chrome Orange) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 205 (Half CT Orange) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
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
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 1–124 Fast 125–127 Slow 128–128 No rotation middle 129–232 Slow 233–255 Fast

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
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
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) 202–221 Fast to slow - Fast 222–222 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 min 1–123 CW - Fast 124–127 CW - Slow 128–128 center 129–231 CCW - Slow 232–255 CCW - Fast
28	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
29	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–73 6F Prism (wheel slot 2) 74–127 6F 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)
30	Prism Rotation	128	0–0 min 1–124 CCW - Fast 125–127 CCW - slow 128–128 center 129–254 max 255–255 CW - fast
31	Frost1	0	0–0 Open 1–53 Frost 0% to 100% 54–63 Pulse close - slow to fast 64–73 Pulse open - fast to slow 74–83 Ramping - fast to slow 84–86 Open 87–139 Frost 0% to 100% 140–149 Pulse close - slow to fast 150–159 Pulse open - fast to slow 160–169 Ramping - fast to slow 170–173 Open 174–225 Frost 0% to 100% 226–235 Pulse close - slow to fast 236–245 Pulse open - fast to slow 246–255 Ramping - fast to slow
32	Iris	0	0–179 Open 180–191 Closed 192–216 Slow 217–243 Fast 244–247 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
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	

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
41	Blade4A	0	
42	Blade4Rot	128	
43	Blade3A	0	
44	Blade3Rot	128	
45	Blade2A	0	
46	Blade2Rot	128	
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 90–119 NoFeature 2 120–124 Parking position ON 125–129 Parking position OFF 130–139 Fixture reset (except pan/tilt) 140–149 PositionReset 150–151 ON-Static P/T reset 152–153 OFF-Static P/T reset 154–155 Calibrate P/T reset 156–159 NoFeature 3 160–169 Gobo and Effect wheel reset 170–179 NoFeature 4 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–213 Saving current DMX values 214–215 Preset Cue playback ON 216–217 Preset Cue playback OFF 218–218 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	40	0–0 No function 1–39 NoFeature 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 5 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 145–149 Green correction - 2700K/CRI 80 150–154 Green correction - 3200K/CRI 80 155–159 Green correction - 4200K/CRI 80 160–164 Green correction - 5600K/CRI 80 165–169 Green correction - 8000K/CRI 80 170–174 Green correction - 2700K/CRI 90 175–179 Green correction - 3200K/CRI 90 180–184 Green correction - 4200K/CRI 90 185–189 Green correction - 5600K/CRI 90 190–194 Green correction - 8000K/CRI 90 195–199 Save Green correction 200–255 NoFeature 11
10	C RIMode	0	0–254 CRI 80 255–255 CRI 90+

Mode 3 - RGBAL (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 10 (Medium Yellow) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Filter 71 (Tokyo Blue) (wheel slot 8) 15–16 Filter 79 (Just Blue) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 100 (Spring Yellow) (wheel slot 12) 23–24 Filter 101 (Yellow) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 104 (Deep Amber) (wheel slot 16) 31–32 Filter 105 (Orange) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 116 (Medium Blue - Green) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 119 (Dark Blue) (wheel slot 24) 47–48 Filter 120 (Deep Blue) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 139 (Primary Green) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 158 (Deep Orange) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 179 (Chrome Orange) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 205 (Half CT Orange) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 3 - RGBAL (continued)

Ch	Function	Default	DMX values
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
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 1–124 Fast 125–127 Slow 128–128 No rotation middle 129–232 Slow 233–255 Fast

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 NoFeature
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) 202–221 Fast to slow - Fast 222–222 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 min 1–123 CW - Fast 124–127 CW - Slow 128–128 center 129–231 CCW - Slow 232–255 CCW - 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) 20–73 6F Prism (wheel slot 2) 74–127 6F 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 min 1–124 CCW - Fast 125–127 CCW - slow 128–128 center 129–254 max 255–255 CW - fast
35	Frost1	0	0–0 Open 1–53 Frost 0% to 100% 54–63 Pulse close - slow to fast 64–73 Pulse open - fast to slow 74–83 Ramping - fast to slow 84–86 Open 87–139 Frost 0% to 100% 140–149 Pulse close - slow to fast 150–159 Pulse open - fast to slow 160–169 Ramping - fast to slow 170–173 Open 174–225 Frost 0% to 100% 226–235 Pulse close - slow to fast 236–245 Pulse open - fast to slow 246–255 Ramping - fast to slow
36	Iris	0	0–179 Open 180–191 Closed 192–216 Slow 217–243 Fast 244–247 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
37	Iris Fine	0	Fine byte of Iris
38	Zoom	128	
39	Zoom Fine	0	Fine byte of Zoom
40	Focus	128	
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	

Mode 3 - RGBAL (continued)

Ch	Function	Default	DMX values
45	Blade4A	0	
46	Blade4Rot	128	
47	Blade3A	0	
48	Blade3Rot	128	
49	Blade2A	0	
50	Blade2Rot	128	
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