Robe Lighting

Robin T3 Profile



Manufacturer	**Robe Lighting**
Type	**Profile spot**
DMX modes	**6**
DMX footprint	**37, 52, 56, 57 channels**
Beam angle	**6.6-63.7°**
Pan range	**540°**
Tilt range	**263.6°**
Size (W × H × D)	**362 × 600 × 343 mm**
GDTF fixture type	**ED4307C7-1AC9-497E-8FE6-7E...**

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 · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Mode 2 - Reduced CMY	37 ch
Mode 2 - Reduced RGB	37 ch
Mode 1 - CMY	52 ch
Mode 1 - RGB	52 ch
Mode 3 - RGBALG	56 ch
Mode 4 - Enhanced gobo control	57 ch

Mode 2 - Reduced CMY

37 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 moving 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 Fans ON at blackout 85–89 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 150–151 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 212–218 No function 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	0	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY 45–49 Colour mixing mode: RGB 50–54 Square law Dimmer curve 55–59 Linear Dimmer curve 60–64 Super Square law 65–79 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 No function 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 2
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 System1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing (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 System1Pos	128	0–0 No rotation (wheel slot 2) 1–124 CW rotation - Fast (wheel slot 2) 125–127 CW rotation - Slow (wheel slot 2) 128–128 No rotation (wheel slot 2) 129–232 CCW rotation - Slow (wheel slot 2) 233–255 CCW rotation - Fast (wheel slot 2)
15	Gobo	0	0–7 Open/hole (wheel slot 1) 8–19 Gobo 1 (wheel slot 2) 20–31 Gobo 2 (wheel slot 3) 32–43 Gobo 3 (wheel slot 4) 44–55 Gobo 4 (wheel slot 5) 56–67 Gobo 5 (wheel slot 6) 68–79 Gobo 6 (wheel slot 7) 80–91 Gobo 7 (wheel slot 8) 92–103 Gobo 8 (wheel slot 9) 104–115 Gobo 1 - Shaking (wheel slot 2) 116–127 Gobo 2 - Shaking (wheel slot 3) 128–139 Gobo 3 - Shaking (wheel slot 4) 140–151 Gobo 4 - Shaking (wheel slot 5) 152–163 Gobo 5 - Shaking (wheel slot 6) 164–175 Gobo 6 - Shaking (wheel slot 7) 176–187 Gobo 7 - Shaking (wheel slot 8) 188–199 Gobo 8 - Shaking (wheel slot 9) 200–201 Open/hole 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

Mode 2 - Reduced CMY (continued)

Ch	Function	Default	DMX values
16	Gobo 2	0	0–4 Open/hole (wheel slot 1) 5–8 Gobo 1 (wheel slot 2) 9–13 Gobo 2 (wheel slot 3) 14–17 Gobo 3 (wheel slot 4) 18–22 Gobo 4 (wheel slot 5) 23–26 Gobo 5 (wheel slot 6) 27–31 Gobo 6 (wheel slot 7) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–40 Gobo 2 - Rotation (wheel slot 3) 41–44 Gobo 3 - Rotation (wheel slot 4) 45–49 Gobo 4 - Rotation (wheel slot 5) 50–54 Gobo 5 - Rotation (wheel slot 6) 55–59 Gobo 6 - Rotation (wheel slot 7) 60–71 Gobo 1 - Shaking Index (wheel slot 2) 72–83 Gobo 2 - Shaking Index (wheel slot 3) 84–95 Gobo 3 - Shaking Index (wheel slot 4) 96–106 Gobo 4 - Shaking Index (wheel slot 5) 107–118 Gobo 5 - Shaking Index (wheel slot 6) 119–129 Gobo 6 - Shaking Index (wheel slot 7) 130–141 Gobo 1 - Shaking Rotation (wheel slot 2) 142–153 Gobo 2 - Shaking Rotation (wheel slot 3) 154–165 Gobo 3 - Shaking Rotation (wheel slot 4) 166–176 Gobo 4 - Shaking Rotation (wheel slot 5) 177–188 Gobo 5 - Shaking Rotation (wheel slot 6) 189–199 Gobo 6 - Shaking Rotation (wheel slot 7) 200–201 Open/hole 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
17	Gobo Rotation 2	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
18	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–73 P1 - Indexing (wheel slot 2) 74–127 Prism 1 - Rotation (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)

Mode 2 - Reduced CMY (continued)

Ch	Function	Default	DMX values
19	Prism Rotation	128	0–0 Prism Indexing (wheel slot 2) 1–124 CW rotation - Fast 125–127 CW rotation - Slow 128–128 No rotation middle 129–232 CCW rotation - Slow 233–255 CCW rotation - Fast
20	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 Prism 1 - Rotation (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)
21	Prism Rotation	128	0–0 No rotation 1–124 CW rotation - Fast 125–127 CW rotation - Slow 128–128 No rotation middle 129–232 CCW rotation - Slow 233–255 CCW rotation - Fast
22	Frost1	0	0–19 Open 20–33 Frost half degree 34–48 Frost 1 degree 49–62 Frost 1 and half degrees 63–78 Frost 3 degrees 79–95 Frost 5 degrees 96–111 Frost 8 and half degrees 112–112 Frost 15 degrees 113–120 NoFeature 1 121–130 Frost 1 Rot- Fast to slow CW 131–140 Frost 1 Rot- Slow to fast CCW 141–150 Frost 2 Rot- Fast to slow CW 151–160 Frost 2 Rot- Slow to fast CCW 161–170 Frost 1+2 Rot - Fast to slow CW 171–180 Frost 1+2 Rot - Slow to fast CCW 181–190 Frost 1-2 Rot - Fast to slow CW 191–255 Frost 1-2 Rot - Slow to fast CCW

Mode 2 - Reduced CMY (continued)

Ch	Function	Default	DMX values
23	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 t ofast 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
24	Zoom	128	
25	Focus	128	
26	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
27	Blade1A	0	
28	Blade1Rot	128	
29	Blade4A	0	
30	Blade4Rot	128	
31	Blade3A	0	
32	Blade3Rot	128	
33	Blade2A	0	
34	Blade2Rot	128	
35	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Slow 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Fast 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open

Mode 2 - Reduced CMY (continued)

Ch	Function	Default	DMX values
36	Dimmer	0	0–254 Closed 255–255 Open
37	Dimmer Fine	0	Fine byte of Dimmer

Mode 2 - Reduced RGB

37 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 moving 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 Fans ON at blackout 85–89 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 150–151 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 212–218 No function 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	0	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY 45–49 Colour mixing mode: RGB 50–54 Square law Dimmer curve 55–59 Linear Dimmer curve 60–64 Super Square law 65–79 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 No function 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 2
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 System1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing (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 System1Pos	128	0–0 No rotation (wheel slot 2) 1–124 CW rotation - Fast (wheel slot 2) 125–127 CW rotation - Slow (wheel slot 2) 128–128 No rotation (wheel slot 2) 129–232 CCW rotation - Slow (wheel slot 2) 233–255 CCW rotation - Fast (wheel slot 2)
15	Gobo	0	0–7 Open/hole (wheel slot 1) 8–19 Gobo 1 (wheel slot 2) 20–31 Gobo 2 (wheel slot 3) 32–43 Gobo 3 (wheel slot 4) 44–55 Gobo 4 (wheel slot 5) 56–67 Gobo 5 (wheel slot 6) 68–79 Gobo 6 (wheel slot 7) 80–91 Gobo 7 (wheel slot 8) 92–103 Gobo 8 (wheel slot 9) 104–115 Gobo 1 - Shaking (wheel slot 2) 116–127 Gobo 2 - Shaking (wheel slot 3) 128–139 Gobo 3 - Shaking (wheel slot 4) 140–151 Gobo 4 - Shaking (wheel slot 5) 152–163 Gobo 5 - Shaking (wheel slot 6) 164–175 Gobo 6 - Shaking (wheel slot 7) 176–187 Gobo 7 - Shaking (wheel slot 8) 188–199 Gobo 8 - Shaking (wheel slot 9) 200–201 Open/hole 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

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
16	Gobo 2	0	0–4 Open/hole (wheel slot 1) 5–8 Gobo 1 (wheel slot 2) 9–13 Gobo 2 (wheel slot 3) 14–17 Gobo 3 (wheel slot 4) 18–22 Gobo 4 (wheel slot 5) 23–26 Gobo 5 (wheel slot 6) 27–31 Gobo 6 (wheel slot 7) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–40 Gobo 2 - Rotation (wheel slot 3) 41–44 Gobo 3 - Rotation (wheel slot 4) 45–49 Gobo 4 - Rotation (wheel slot 5) 50–54 Gobo 5 - Rotation (wheel slot 6) 55–59 Gobo 6 - Rotation (wheel slot 7) 60–71 Gobo 1 - Shaking Index (wheel slot 2) 72–83 Gobo 2 - Shaking Index (wheel slot 3) 84–95 Gobo 3 - Shaking Index (wheel slot 4) 96–106 Gobo 4 - Shaking Index (wheel slot 5) 107–118 Gobo 5 - Shaking Index (wheel slot 6) 119–129 Gobo 6 - Shaking Index (wheel slot 7) 130–141 Gobo 1 - Shaking Rotation (wheel slot 2) 142–153 Gobo 2 - Shaking Rotation (wheel slot 3) 154–165 Gobo 3 - Shaking Rotation (wheel slot 4) 166–176 Gobo 4 - Shaking Rotation (wheel slot 5) 177–188 Gobo 5 - Shaking Rotation (wheel slot 6) 189–199 Gobo 6 - Shaking Rotation (wheel slot 7) 200–201 Open/hole 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
17	Gobo Rotation 2	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
18	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–73 P1 - Indexing (wheel slot 2) 74–127 Prism 1 - Rotation (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
19	Prism Rotation	128	0–0 Prism Indexing (wheel slot 2) 1–124 CW rotation - Fast 125–127 CW rotation - Slow 128–128 No rotation middle 129–232 CCW rotation - Slow 233–255 CCW rotation - Fast
20	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 Prism 1 - Rotation (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)
21	Prism Rotation	128	0–0 No rotation 1–124 CW rotation - Fast 125–127 CW rotation - Slow 128–128 No rotation middle 129–232 CCW rotation - Slow 233–255 CCW rotation - Fast
22	Frost1	0	0–19 Open 20–33 Frost half degree 34–48 Frost 1 degree 49–62 Frost 1 and half degrees 63–78 Frost 3 degrees 79–95 Frost 5 degrees 96–111 Frost 8 and half degrees 112–112 Frost 15 degrees 113–120 NoFeature 1 121–130 Frost 1 Rot- Fast to slow CW 131–140 Frost 1 Rot- Slow to fast CCW 141–150 Frost 2 Rot- Fast to slow CW 151–160 Frost 2 Rot- Slow to fast CCW 161–170 Frost 1+2 Rot - Fast to slow CW 171–180 Frost 1+2 Rot - Slow to fast CCW 181–190 Frost 1-2 Rot - Fast to slow CW 191–255 Frost 1-2 Rot - Slow to fast CCW

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
23	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 t ofast 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
24	Zoom	128	
25	Focus	128	
26	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
27	Blade1A	0	
28	Blade1Rot	128	
29	Blade4A	0	
30	Blade4Rot	128	
31	Blade3A	0	
32	Blade3Rot	128	
33	Blade2A	0	
34	Blade2Rot	128	
35	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Slow 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Fast 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open

Mode 2 - Reduced RGB (continued)

Ch	Function	Default	DMX values
36	Dimmer	0	0–254 Closed 255–255 Open
37	Dimmer Fine	0	Fine byte of Dimmer

Mode 1 - CMY

52 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 moving 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 Fans ON at blackout 85–89 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 150–151 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 212–218 No function 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 1 - CMY (continued)

Ch	Function	Default	DMX values
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 25–29 High 30–255 NoFeature
8	L EDFrequency Adjust	128	
9	Color Control	0	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY 45–49 Colour mixing mode: RGB 50–54 Square law Dimmer curve 55–59 Linear Dimmer curve 60–64 Super Square law 65–79 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 No function 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 2
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 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 2 129–254 Uncorrected white - > Plus green 255–255 Uncorrected white 3
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 System1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing (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 System1Pos	128	0–0 No rotation (wheel slot 2) 1–124 CW rotation - Fast (wheel slot 2) 125–127 CW rotation - Slow (wheel slot 2) 128–128 No rotation (wheel slot 2) 129–232 CCW rotation - Slow (wheel slot 2) 233–255 CCW rotation - Fast (wheel slot 2)

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
25	Animation System1Macro	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	0–7 Open/hole (wheel slot 1) 8–19 Gobo 1 (wheel slot 2) 20–31 Gobo 2 (wheel slot 3) 32–43 Gobo 3 (wheel slot 4) 44–55 Gobo 4 (wheel slot 5) 56–67 Gobo 5 (wheel slot 6) 68–79 Gobo 6 (wheel slot 7) 80–91 Gobo 7 (wheel slot 8) 92–103 Gobo 8 (wheel slot 9) 104–115 Gobo 1 - Shaking (wheel slot 2) 116–127 Gobo 2 - Shaking (wheel slot 3) 128–139 Gobo 3 - Shaking (wheel slot 4) 140–151 Gobo 4 - Shaking (wheel slot 5) 152–163 Gobo 5 - Shaking (wheel slot 6) 164–175 Gobo 6 - Shaking (wheel slot 7) 176–187 Gobo 7 - Shaking (wheel slot 8) 188–199 Gobo 8 - Shaking (wheel slot 9) 200–201 Open/hole 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

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
27	Gobo 2	0	0–4 Open/hole (wheel slot 1) 5–8 Gobo 1 (wheel slot 2) 9–13 Gobo 2 (wheel slot 3) 14–17 Gobo 3 (wheel slot 4) 18–22 Gobo 4 (wheel slot 5) 23–26 Gobo 5 (wheel slot 6) 27–31 Gobo 6 (wheel slot 7) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–40 Gobo 2 - Rotation (wheel slot 3) 41–44 Gobo 3 - Rotation (wheel slot 4) 45–49 Gobo 4 - Rotation (wheel slot 5) 50–54 Gobo 5 - Rotation (wheel slot 6) 55–59 Gobo 6 - Rotation (wheel slot 7) 60–71 Gobo 1 - Shaking Index (wheel slot 2) 72–83 Gobo 2 - Shaking Index (wheel slot 3) 84–95 Gobo 3 - Shaking Index (wheel slot 4) 96–106 Gobo 4 - Shaking Index (wheel slot 5) 107–118 Gobo 5 - Shaking Index (wheel slot 6) 119–129 Gobo 6 - Shaking Index (wheel slot 7) 130–141 Gobo 1 - Shaking Rotation (wheel slot 2) 142–153 Gobo 2 - Shaking Rotation (wheel slot 3) 154–165 Gobo 3 - Shaking Rotation (wheel slot 4) 166–176 Gobo 4 - Shaking Rotation (wheel slot 5) 177–188 Gobo 5 - Shaking Rotation (wheel slot 6) 189–199 Gobo 6 - Shaking Rotation (wheel slot 7) 200–201 Open/hole 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
28	Gobo Rotation 2	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
29	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
30	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–73 P1 - Indexing (wheel slot 2) 74–127 Prism 1 - Rotation (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
31	Prism Rotation	128	0–0 Prism Indexing (wheel slot 2) 1–124 CW rotation - Fast 125–127 CW rotation - Slow 128–128 No rotation middle 129–232 CCW rotation - Slow 233–255 CCW rotation - Fast
32	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 Prism 1 - Rotation (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)
33	Prism Rotation	128	0–0 No rotation 1–124 CW rotation - Fast 125–127 CW rotation - Slow 128–128 No rotation middle 129–232 CCW rotation - Slow 233–255 CCW rotation - Fast
34	Frost1	0	0–19 Open 20–33 Frost half degree 34–48 Frost 1 degree 49–62 Frost 1 and half degrees 63–78 Frost 3 degrees 79–95 Frost 5 degrees 96–111 Frost 8 and half degrees 112–112 Frost 15 degrees 113–120 NoFeature 1 121–130 Frost 1 Rot- Fast to slow CW 131–140 Frost 1 Rot- Slow to fast CCW 141–150 Frost 2 Rot- Fast to slow CW 151–160 Frost 2 Rot- Slow to fast CCW 161–170 Frost 1+2 Rot - Fast to slow CW 171–180 Frost 1+2 Rot - Slow to fast CCW 181–190 Frost 1-2 Rot - Fast to slow CW 191–255 Frost 1-2 Rot - Slow to fast CCW

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
35	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 t ofast 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
36	Iris Fine	0	Fine byte of Iris
37	Zoom	128	
38	Zoom Fine	0	Fine byte of Zoom
39	Focus	128	
40	Focus Fine	128	Fine byte of Focus
41	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
42	Blade1A	0	
43	Blade1Rot	128	
44	Blade4A	0	
45	Blade4Rot	128	
46	Blade3A	0	
47	Blade3Rot	128	
48	Blade2A	0	
49	Blade2Rot	128	

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
50	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Slow 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Fast 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
51	Dimmer	0	0–254 Closed 255–255 Open
52	Dimmer Fine	0	Fine byte of Dimmer

Mode 1 - RGB

52 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 moving 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 Fans ON at blackout 85–89 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 150–151 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 212–218 No function 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 25–29 High 30–255 NoFeature
8	L EDFrequency Adjust	128	

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
9	Color Control	0	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY 45–49 Colour mixing mode: RGB 50–54 Square law Dimmer curve 55–59 Linear Dimmer curve 60–64 Super Square law 65–79 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 No function 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 2
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 System1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing (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 System1Pos	128	0–0 No rotation (wheel slot 2) 1–124 CW rotation - Fast (wheel slot 2) 125–127 CW rotation - Slow (wheel slot 2) 128–128 No rotation (wheel slot 2) 129–232 CCW rotation - Slow (wheel slot 2) 233–255 CCW rotation - Fast (wheel slot 2)

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
25	Animation System1Macro	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	0–7 Open/hole (wheel slot 1) 8–19 Gobo 1 (wheel slot 2) 20–31 Gobo 2 (wheel slot 3) 32–43 Gobo 3 (wheel slot 4) 44–55 Gobo 4 (wheel slot 5) 56–67 Gobo 5 (wheel slot 6) 68–79 Gobo 6 (wheel slot 7) 80–91 Gobo 7 (wheel slot 8) 92–103 Gobo 8 (wheel slot 9) 104–115 Gobo 1 - Shaking (wheel slot 2) 116–127 Gobo 2 - Shaking (wheel slot 3) 128–139 Gobo 3 - Shaking (wheel slot 4) 140–151 Gobo 4 - Shaking (wheel slot 5) 152–163 Gobo 5 - Shaking (wheel slot 6) 164–175 Gobo 6 - Shaking (wheel slot 7) 176–187 Gobo 7 - Shaking (wheel slot 8) 188–199 Gobo 8 - Shaking (wheel slot 9) 200–201 Open/hole 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

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
27	Gobo 2	0	0–4 Open/hole (wheel slot 1) 5–8 Gobo 1 (wheel slot 2) 9–13 Gobo 2 (wheel slot 3) 14–17 Gobo 3 (wheel slot 4) 18–22 Gobo 4 (wheel slot 5) 23–26 Gobo 5 (wheel slot 6) 27–31 Gobo 6 (wheel slot 7) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–40 Gobo 2 - Rotation (wheel slot 3) 41–44 Gobo 3 - Rotation (wheel slot 4) 45–49 Gobo 4 - Rotation (wheel slot 5) 50–54 Gobo 5 - Rotation (wheel slot 6) 55–59 Gobo 6 - Rotation (wheel slot 7) 60–71 Gobo 1 - Shaking Index (wheel slot 2) 72–83 Gobo 2 - Shaking Index (wheel slot 3) 84–95 Gobo 3 - Shaking Index (wheel slot 4) 96–106 Gobo 4 - Shaking Index (wheel slot 5) 107–118 Gobo 5 - Shaking Index (wheel slot 6) 119–129 Gobo 6 - Shaking Index (wheel slot 7) 130–141 Gobo 1 - Shaking Rotation (wheel slot 2) 142–153 Gobo 2 - Shaking Rotation (wheel slot 3) 154–165 Gobo 3 - Shaking Rotation (wheel slot 4) 166–176 Gobo 4 - Shaking Rotation (wheel slot 5) 177–188 Gobo 5 - Shaking Rotation (wheel slot 6) 189–199 Gobo 6 - Shaking Rotation (wheel slot 7) 200–201 Open/hole 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
28	Gobo Rotation 2	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
29	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
30	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–73 P1 - Indexing (wheel slot 2) 74–127 Prism 1 - Rotation (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
31	Prism Rotation	128	0–0 Prism Indexing (wheel slot 2) 1–124 CW rotation - Fast 125–127 CW rotation - Slow 128–128 No rotation middle 129–232 CCW rotation - Slow 233–255 CCW rotation - Fast
32	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 Prism 1 - Rotation (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)
33	Prism Rotation	128	0–0 No rotation 1–124 CW rotation - Fast 125–127 CW rotation - Slow 128–128 No rotation middle 129–232 CCW rotation - Slow 233–255 CCW rotation - Fast
34	Frost1	0	0–19 Open 20–33 Frost half degree 34–48 Frost 1 degree 49–62 Frost 1 and half degrees 63–78 Frost 3 degrees 79–95 Frost 5 degrees 96–111 Frost 8 and half degrees 112–112 Frost 15 degrees 113–120 NoFeature 1 121–130 Frost 1 Rot- Fast to slow CW 131–140 Frost 1 Rot- Slow to fast CCW 141–150 Frost 2 Rot- Fast to slow CW 151–160 Frost 2 Rot- Slow to fast CCW 161–170 Frost 1+2 Rot - Fast to slow CW 171–180 Frost 1+2 Rot - Slow to fast CCW 181–190 Frost 1-2 Rot - Fast to slow CW 191–255 Frost 1-2 Rot - Slow to fast CCW

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
35	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 t ofast 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
36	Iris Fine	0	Fine byte of Iris
37	Zoom	128	
38	Zoom Fine	0	Fine byte of Zoom
39	Focus	128	
40	Focus Fine	128	Fine byte of Focus
41	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
42	Blade1A	0	
43	Blade1Rot	128	
44	Blade4A	0	
45	Blade4Rot	128	
46	Blade3A	0	
47	Blade3Rot	128	
48	Blade2A	0	
49	Blade2Rot	128	

Mode 1 - RGB (continued)

Ch	Function	Default	DMX values
50	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Slow 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Fast 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
51	Dimmer	0	0–254 Closed 255–255 Open
52	Dimmer Fine	0	Fine byte of Dimmer

Mode 3 - RGBALG

56 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 - RGBALG (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 moving 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 Fans ON at blackout 85–89 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 150–151 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 212–218 No function 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 25–29 High 30–255 NoFeature
8	L EDFrequency Adjust	128	

Mode 3 - RGBALG (continued)

Ch	Function	Default	DMX values
9	Color Control	0	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY 45–49 Colour mixing mode: RGB 50–54 Square law Dimmer curve 55–59 Linear Dimmer curve 60–64 Super Square law 65–79 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 No function 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 2
10	C RIMode	0	0–254 CRI 80 255–255 CRI 90+

Mode 3 - RGBALG (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 - RGBALG (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 System1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing (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 System1Pos	128	0–0 No rotation (wheel slot 2) 1–124 CW rotation - Fast (wheel slot 2) 125–127 CW rotation - Slow (wheel slot 2) 128–128 No rotation (wheel slot 2) 129–232 CCW rotation - Slow (wheel slot 2) 233–255 CCW rotation - Fast (wheel slot 2)

Mode 3 - RGBALG (continued)

Ch	Function	Default	DMX values
29	Animation System1Macro	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	0–7 Open/hole (wheel slot 1) 8–19 Gobo 1 (wheel slot 2) 20–31 Gobo 2 (wheel slot 3) 32–43 Gobo 3 (wheel slot 4) 44–55 Gobo 4 (wheel slot 5) 56–67 Gobo 5 (wheel slot 6) 68–79 Gobo 6 (wheel slot 7) 80–91 Gobo 7 (wheel slot 8) 92–103 Gobo 8 (wheel slot 9) 104–115 Gobo 1 - Shaking (wheel slot 2) 116–127 Gobo 2 - Shaking (wheel slot 3) 128–139 Gobo 3 - Shaking (wheel slot 4) 140–151 Gobo 4 - Shaking (wheel slot 5) 152–163 Gobo 5 - Shaking (wheel slot 6) 164–175 Gobo 6 - Shaking (wheel slot 7) 176–187 Gobo 7 - Shaking (wheel slot 8) 188–199 Gobo 8 - Shaking (wheel slot 9) 200–201 Open/hole 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

Mode 3 - RGBALG (continued)

Ch	Function	Default	DMX values
31	Gobo 2	0	0–4 Open/hole (wheel slot 1) 5–8 Gobo 1 (wheel slot 2) 9–13 Gobo 2 (wheel slot 3) 14–17 Gobo 3 (wheel slot 4) 18–22 Gobo 4 (wheel slot 5) 23–26 Gobo 5 (wheel slot 6) 27–31 Gobo 6 (wheel slot 7) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–40 Gobo 2 - Rotation (wheel slot 3) 41–44 Gobo 3 - Rotation (wheel slot 4) 45–49 Gobo 4 - Rotation (wheel slot 5) 50–54 Gobo 5 - Rotation (wheel slot 6) 55–59 Gobo 6 - Rotation (wheel slot 7) 60–71 Gobo 1 - Shaking Index (wheel slot 2) 72–83 Gobo 2 - Shaking Index (wheel slot 3) 84–95 Gobo 3 - Shaking Index (wheel slot 4) 96–106 Gobo 4 - Shaking Index (wheel slot 5) 107–118 Gobo 5 - Shaking Index (wheel slot 6) 119–129 Gobo 6 - Shaking Index (wheel slot 7) 130–141 Gobo 1 - Shaking Rotation (wheel slot 2) 142–153 Gobo 2 - Shaking Rotation (wheel slot 3) 154–165 Gobo 3 - Shaking Rotation (wheel slot 4) 166–176 Gobo 4 - Shaking Rotation (wheel slot 5) 177–188 Gobo 5 - Shaking Rotation (wheel slot 6) 189–199 Gobo 6 - Shaking Rotation (wheel slot 7) 200–201 Open/hole 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
32	Gobo Rotation 2	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
33	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
34	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–73 P1 - Indexing (wheel slot 2) 74–127 Prism 1 - Rotation (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)

Mode 3 - RGBALG (continued)

Ch	Function	Default	DMX values
35	Prism Rotation	128	0–0 Prism Indexing (wheel slot 2) 1–124 CW rotation - Fast 125–127 CW rotation - Slow 128–128 No rotation middle 129–232 CCW rotation - Slow 233–255 CCW rotation - Fast
36	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 Prism 1 - Rotation (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)
37	Prism Rotation	128	0–0 No rotation 1–124 CW rotation - Fast 125–127 CW rotation - Slow 128–128 No rotation middle 129–232 CCW rotation - Slow 233–255 CCW rotation - Fast
38	Frost1	0	0–19 Open 20–33 Frost half degree 34–48 Frost 1 degree 49–62 Frost 1 and half degrees 63–78 Frost 3 degrees 79–95 Frost 5 degrees 96–111 Frost 8 and half degrees 112–112 Frost 15 degrees 113–120 NoFeature 1 121–130 Frost 1 Rot- Fast to slow CW 131–140 Frost 1 Rot- Slow to fast CCW 141–150 Frost 2 Rot- Fast to slow CW 151–160 Frost 2 Rot- Slow to fast CCW 161–170 Frost 1+2 Rot - Fast to slow CW 171–180 Frost 1+2 Rot - Slow to fast CCW 181–190 Frost 1-2 Rot - Fast to slow CW 191–255 Frost 1-2 Rot - Slow to fast CCW

Mode 3 - RGBALG (continued)

Ch	Function	Default	DMX values
39	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 t ofast 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
40	Iris Fine	0	Fine byte of Iris
41	Zoom	128	
42	Zoom Fine	0	Fine byte of Zoom
43	Focus	128	
44	Focus Fine	128	Fine byte of Focus
45	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
46	Blade1A	0	
47	Blade1Rot	128	
48	Blade4A	0	
49	Blade4Rot	128	
50	Blade3A	0	
51	Blade3Rot	128	
52	Blade2A	0	
53	Blade2Rot	128	

Mode 3 - RGBALG (continued)

Ch	Function	Default	DMX values
54	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Slow 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Fast 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
55	Dimmer	0	0–254 Closed 255–255 Open
56	Dimmer Fine	0	Fine byte of Dimmer

Mode 4 - Enhanced gobo control

57 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 4 - Enhanced gobo control (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 moving 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 Fans ON at blackout 85–89 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 150–151 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 212–218 No function 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 25–29 High 30–255 NoFeature
8	L EDFrequency Adjust	128	

Mode 4 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
9	Color Control	0	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY 45–49 Colour mixing mode: RGB 50–54 Square law Dimmer curve 55–59 Linear Dimmer curve 60–64 Super Square law 65–79 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 No function 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 2
10	C RIMode	0	0–254 CRI 80 255–255 CRI 90+

Mode 4 - Enhanced gobo control (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 4 - Enhanced gobo control (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 System1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing (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 System1Pos	128	0–0 No rotation (wheel slot 2) 1–124 CW rotation - Fast (wheel slot 2) 125–127 CW rotation - Slow (wheel slot 2) 128–128 No rotation (wheel slot 2) 129–232 CCW rotation - Slow (wheel slot 2) 233–255 CCW rotation - Fast (wheel slot 2)

Mode 4 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
29	Animation System1Macro	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	0–7 Open/hole (wheel slot 1) 8–19 Gobo 1 (wheel slot 2) 20–31 Gobo 2 (wheel slot 3) 32–43 Gobo 3 (wheel slot 4) 44–55 Gobo 4 (wheel slot 5) 56–67 Gobo 5 (wheel slot 6) 68–79 Gobo 6 (wheel slot 7) 80–91 Gobo 7 (wheel slot 8) 92–103 Gobo 8 (wheel slot 9) 104–115 Gobo 1 - Shaking (wheel slot 2) 116–127 Gobo 2 - Shaking (wheel slot 3) 128–139 Gobo 3 - Shaking (wheel slot 4) 140–151 Gobo 4 - Shaking (wheel slot 5) 152–163 Gobo 5 - Shaking (wheel slot 6) 164–175 Gobo 6 - Shaking (wheel slot 7) 176–187 Gobo 7 - Shaking (wheel slot 8) 188–199 Gobo 8 - Shaking (wheel slot 9) 200–201 Open/hole 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

Mode 4 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
31	Gobo 2	0	0–4 Open/hole (wheel slot 1) 5–8 Gobo 1 (wheel slot 2) 9–13 Gobo 2 (wheel slot 3) 14–17 Gobo 3 (wheel slot 4) 18–22 Gobo 4 (wheel slot 5) 23–26 Gobo 5 (wheel slot 6) 27–31 Gobo 6 (wheel slot 7) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–40 Gobo 2 - Rotation (wheel slot 3) 41–44 Gobo 3 - Rotation (wheel slot 4) 45–49 Gobo 4 - Rotation (wheel slot 5) 50–54 Gobo 5 - Rotation (wheel slot 6) 55–59 Gobo 6 - Rotation (wheel slot 7) 60–69 Open Prop Index (wheel slot 1) 70–79 G01 Prop Index (wheel slot 2) 80–89 G02 Prop Index (wheel slot 3) 90–99 G03 Prop Index (wheel slot 4) 100–109 G04 Prop Index (wheel slot 5) 110–119 G05 Prop Index (wheel slot 6) 120–129 G06 Prop Index (wheel slot 7) 130–130 Open End Prop Index (wheel slot 1) 131–140 Open Prop Rot (wheel slot 1) 141–150 G01 Prop Rot (wheel slot 2) 151–160 G02 Prop Rot (wheel slot 3) 161–170 G03 Prop Rot (wheel slot 4) 171–180 G04 Prop Rot (wheel slot 5) 181–190 G05 Prop Rot (wheel slot 6) 191–200 G06 Prop Rot (wheel slot 7) 201–201 Open End Prop Rot (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
32	Gobo 2 Fine	0	Fine byte of Gobo 2
33	Gobo Rotation 2	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
34	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Mode 4 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
35	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–73 P1 - Indexing (wheel slot 2) 74–127 Prism 1 - Rotation (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)
36	Prism Rotation	128	0–0 Prism Indexing (wheel slot 2) 1–124 CW rotation - Fast 125–127 CW rotation - Slow 128–128 No rotation middle 129–232 CCW rotation - Slow 233–255 CCW rotation - Fast
37	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 Prism 1 - Rotation (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)
38	Prism Rotation	128	0–0 No rotation 1–124 CW rotation - Fast 125–127 CW rotation - Slow 128–128 No rotation middle 129–232 CCW rotation - Slow 233–255 CCW rotation - Fast

Mode 4 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
39	Frost1	0	0–19 Open 20–33 Frost half degree 34–48 Frost 1 degree 49–62 Frost 1 and half degrees 63–78 Frost 3 degrees 79–95 Frost 5 degrees 96–111 Frost 8 and half degrees 112–112 Frost 15 degrees 113–120 NoFeature 1 121–130 Frost 1 Rot- Fast to slow CW 131–140 Frost 1 Rot- Slow to fast CCW 141–150 Frost 2 Rot- Fast to slow CW 151–160 Frost 2 Rot- Slow to fast CCW 161–170 Frost 1+2 Rot - Fast to slow CW 171–180 Frost 1+2 Rot - Slow to fast CCW 181–190 Frost 1-2 Rot - Fast to slow CW 191–255 Frost 1-2 Rot - Slow to fast CCW
40	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 t ofast 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
41	Iris Fine	0	Fine byte of Iris
42	Zoom	128	
43	Zoom Fine	0	Fine byte of Zoom
44	Focus	128	
45	Focus Fine	128	Fine byte of Focus
46	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
47	Blade1A	0	
48	Blade1Rot	128	

Mode 4 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
49	Blade4A	0	
50	Blade4Rot	128	
51	Blade3A	0	
52	Blade3Rot	128	
53	Blade2A	0	
54	Blade2Rot	128	
55	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Slow 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Fast 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
56	Dimmer	0	0–254 Closed 255–255 Open
57	Dimmer Fine	0	Fine byte of Dimmer