Robe Lighting

Robin Esprite Fresnel



Manufacturer	**Robe Lighting**
Type	**Profile spot**
DMX modes	**4**
DMX footprint	**30, 31, 34, 35 channels**
Beam angle	**6-61°**
Pan range	**540°**
Tilt range	**263.6°**
Size (W × H × D)	**279 × 528 × 258 mm**
GDTF fixture type	**CA0E936C-6A5E-4325-9232-23…**

Controls

Frost · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Mode 2 - Reduced 8 bit	30 ch
Mode 4 - Reduced 8 bit + green corre	31 ch
Mode 1 - Standard 16 bit	34 ch
Mode 3 - Standard 16 bit + green corre	35 ch

Mode 2 - Reduced 8 bit

30 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 1–1 Max speed mode 2–255 Speed/Time max to min
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 No function 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 Colour moving: ON 65–69 BO while Colour moving: OFF 70–79 No function 80–84 Fan mode Auto 85–89 Fan mode High 90–94 HighPower mode ON 95–99 HighPower mode OFF 100–104 No function 105–109 Dimmer curve Super square law 110–114 Dimmer curve Square law 115–119 Dimmer curve Linear 120–124 Parking position ON 125–129 Parking position OFF 130–139 Reset except PT 140–149 PositionReset 150–159 Color system reset 160–169 No function 170–174 Pan reset 175–179 Tilt reset 180–189 Zoom Focus Frost Prism reset 190–199 Barndoors and Scrim reset 200–209 Total reset 210–239 No function 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	
9	Intensity Indication	0	0–10 No function 11–20 Indication of drop of max light intensity 21–30 Set drop by 6-10% (RED) 31–40 Set drop by 11-15% (Green) 41–50 Set drop by 16-20% (BLUE) 51–60 Set drop by 21-25% (CYAN) 61–70 Set drop by 26-30% (MAGENTA) 71–80 Set drop by 31-35% (YELLOW) 81–90 Set drop by 36-40% (ORANGE) 91–100 Original intensity (WHITE) 101–255 NoFeature

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–11 Open/white (wheel slot 1) 12–32 Deep red (wheel slot 2) 33–54 Deep blue (wheel slot 3) 55–76 Orange (wheel slot 4) 77–97 Green (wheel slot 5) 98–118 Congo Blue (wheel slot 6) 119–127 Open/white (wheel slot 1) 128–129 Open/white step (wheel slot 1) 130–141 Deep red step (wheel slot 2) 142–153 Deep blue step (wheel slot 3) 154–165 Orange step (wheel slot 4) 166–177 Green step (wheel slot 5) 178–189 Congo blue step (wheel slot 6) 190–191 Fast to slow 1/9 192–194 Fast to slow 2/9 195–197 Fast to slow 3/9 198–201 Fast to slow 4/9 202–204 Fast to slow 5/9 205–206 Fast to slow 6/9 207–209 Fast to slow 7/9 210–211 Fast to slow 8/9 212–215 Fast to slow 9/9 216–217 No Rotation middle 218–220 Slow to fast 1/9 221–222 Slow to fast 2/9 223–225 Slow to fast 3/9 226–227 Slow to fast 4/9 228–230 Slow to fast 5/9 231–234 Slow to fast 6/9 235–237 Slow to fast 7/9 238–240 Slow to fast 8/9 241–243 Slow to fast 9/9 244–249 Random color selection by audio control 250–255 Auto random color selection from fast to slow

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
11	Color Wheel 2	0	0–11 Open/white (wheel slot 1) 12–32 Multicolor (wheel slot 2) 33–54 Laser green (wheel slot 3) 55–76 Lavander (wheel slot 4) 77–97 CRI 80 (wheel slot 5) 98–118 CRI 90 (wheel slot 6) 119–129 Open/white (wheel slot 1) 130–141 Multicolor (wheel slot 2) 142–153 Laser green (wheel slot 3) 154–165 Lavander (wheel slot 4) 166–177 CRI 80 (wheel slot 5) 178–189 CRI 90 (wheel slot 6) 190–191 Fast to slow 1/9 192–194 Fast to slow 2/9 195–197 Fast to slow 3/9 198–201 Fast to slow 4/9 202–204 Fast to slow 5/9 205–206 Fast to slow 6/9 207–209 Fast to slow 7/9 210–211 Fast to slow 8/9 212–215 Fast to slow 9/9 216–217 No rotation middle 218–220 Slow to fast 1/9 221–222 Slow to fast 2/9 223–225 Slow to fast 3/9 226–227 Slow to fast 4/9 228–230 Slow to fast 5/9 231–234 Slow to fast 6/9 235–237 Slow to fast 7/9 238–240 Slow to fast 8/9 241–243 Slow to fast 9/9 244–249 Random color selection by audio control 250–255 Auto random color selection from fast to slow
12	Cyan	0	
13	Magenta	0	
14	Yellow	0	
15	C TO	0	0–254 6700K 255–255 3000K
16	Color3	0	
17	Color Mix MSpeed	0	0–254 Speed max 255–255 Speed min
18	Color Mix MTime	0	0–0 Function is off 1–254 Time min 255–255 Time max
19	Scrim Pos	0	0–0 No function 1–255 Scrim inserting
20	Scrim Index	0	0–63 Scrim indexing 0 deg 64–127 Scrim indexing 90 deg 128–191 Scrim indexing 180 deg 192–254 Scrim indexing 270 deg 255–255 Scrim indexing 360 deg

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
21	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow
22	Zoom	128	
23	Edge Color Corection	128	
24	Shaper Rot	128	
25	Blade2A	0	
26	Blade1A	0	
27	Blade4A	0	
28	Blade3A	0	
29	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
30	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)

Mode 4 - Reduced 8 bit + green corre

31 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 1–1 Max speed mode 2–255 Speed/Time max to min

Mode 4 - Reduced 8 bit + green corre (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 No function 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 Colour moving: ON 65–69 BO while Colour moving: OFF 70–79 No function 80–84 Fan mode Auto 85–89 Fan mode High 90–94 HighPower mode ON 95–99 HighPower mode OFF 100–104 No function 105–109 Dimmer curve Super square law 110–114 Dimmer curve Square law 115–119 Dimmer curve Linear 120–124 Parking position ON 125–129 Parking position OFF 130–139 Reset except PT 140–149 PositionReset 150–159 Color system reset 160–169 No function 170–174 Pan reset 175–179 Tilt reset 180–189 Zoom Focus Frost Prism reset 190–199 Barndoors and Scrim reset 200–209 Total reset 210–239 No function 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	
9	Intensity Indication	0	0–10 No function 11–20 Indication of drop of max light intensity 21–30 Set drop by 6-10% (RED) 31–40 Set drop by 11-15% (Green) 41–50 Set drop by 16-20% (BLUE) 51–60 Set drop by 21-25% (CYAN) 61–70 Set drop by 26-30% (MAGENTA) 71–80 Set drop by 31-35% (YELLOW) 81–90 Set drop by 36-40% (ORANGE) 91–100 Original intensity (WHITE) 101–255 NoFeature

Mode 4 - Reduced 8 bit + green corre (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–11 Open/white (wheel slot 1) 12–32 Deep red (wheel slot 2) 33–54 Deep blue (wheel slot 3) 55–76 Orange (wheel slot 4) 77–97 Green (wheel slot 5) 98–118 Congo Blue (wheel slot 6) 119–127 Open/white (wheel slot 1) 128–129 Open/white step (wheel slot 1) 130–141 Deep red step (wheel slot 2) 142–153 Deep blue step (wheel slot 3) 154–165 Orange step (wheel slot 4) 166–177 Green step (wheel slot 5) 178–189 Congo blue step (wheel slot 6) 190–191 Fast to slow 1/9 192–194 Fast to slow 2/9 195–197 Fast to slow 3/9 198–201 Fast to slow 4/9 202–204 Fast to slow 5/9 205–206 Fast to slow 6/9 207–209 Fast to slow 7/9 210–211 Fast to slow 8/9 212–215 Fast to slow 9/9 216–217 No Rotation middle 218–220 Slow to fast 1/9 221–222 Slow to fast 2/9 223–225 Slow to fast 3/9 226–227 Slow to fast 4/9 228–230 Slow to fast 5/9 231–234 Slow to fast 6/9 235–237 Slow to fast 7/9 238–240 Slow to fast 8/9 241–243 Slow to fast 9/9 244–249 Random color selection by audio control 250–255 Auto random color selection from fast to slow

Mode 4 - Reduced 8 bit + green corre (continued)

Ch	Function	Default	DMX values
11	Color Wheel 2	0	0–11 Open/white (wheel slot 1) 12–32 Multicolor (wheel slot 2) 33–54 Laser green (wheel slot 3) 55–76 Lavander (wheel slot 4) 77–97 CRI 80 (wheel slot 5) 98–118 CRI 90 (wheel slot 6) 119–129 Open/white (wheel slot 1) 130–141 Multicolor (wheel slot 2) 142–153 Laser green (wheel slot 3) 154–165 Lavander (wheel slot 4) 166–177 CRI 80 (wheel slot 5) 178–189 CRI 90 (wheel slot 6) 190–191 Fast to slow 1/9 192–194 Fast to slow 2/9 195–197 Fast to slow 3/9 198–201 Fast to slow 4/9 202–204 Fast to slow 5/9 205–206 Fast to slow 6/9 207–209 Fast to slow 7/9 210–211 Fast to slow 8/9 212–215 Fast to slow 9/9 216–217 No rotation middle 218–220 Slow to fast 1/9 221–222 Slow to fast 2/9 223–225 Slow to fast 3/9 226–227 Slow to fast 4/9 228–230 Slow to fast 5/9 231–234 Slow to fast 6/9 235–237 Slow to fast 7/9 238–240 Slow to fast 8/9 241–243 Slow to fast 9/9 244–249 Random color selection by audio control 250–255 Auto random color selection from fast to slow
12	Cyan	0	
13	Magenta	0	
14	Yellow	0	
15	C TO	0	0–254 6700K 255–255 3000K
16	Tint	128	0–0 Uncorrected white 1 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 2 129–255 Uncorrected white - > Plus green
17	Color3	0	
18	Color Mix MSpeed	0	0–254 Speed max 255–255 Speed min
19	Color Mix MTime	0	0–0 Function is off 1–254 Time min 255–255 Time max
20	Scrim Pos	0	0–0 No function 1–255 Scrim inserting
21	Scrim Index	0	0–63 Scrim indexing 0 deg 64–127 Scrim indexing 90 deg 128–191 Scrim indexing 180 deg 192–254 Scrim indexing 270 deg 255–255 Scrim indexing 360 deg

Mode 4 - Reduced 8 bit + green corre (continued)

Ch	Function	Default	DMX values
22	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow
23	Zoom	128	
24	Edge Color Corection	128	
25	Shaper Rot	128	
26	Blade2A	0	
27	Blade1A	0	
28	Blade4A	0	
29	Blade3A	0	
30	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
31	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)

Mode 1 - Standard 16 bit

34 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 1–1 Max speed mode 2–255 Speed/Time max to min

Mode 1 - Standard 16 bit (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 No function 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 Colour moving: ON 65–69 BO while Colour moving: OFF 70–79 No function 80–84 Fan mode Auto 85–89 Fan mode High 90–94 HighPower mode ON 95–99 HighPower mode OFF 100–104 No function 105–109 Dimmer curve Super square law 110–114 Dimmer curve Square law 115–119 Dimmer curve Linear 120–124 Parking position ON 125–129 Parking position OFF 130–139 Reset except PT 140–149 PositionReset 150–159 Color system reset 160–169 No function 170–174 Pan reset 175–179 Tilt reset 180–189 Zoom Focus Frost Prism reset 190–199 Barndoors and Scrim reset 200–209 Total reset 210–239 No function 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	
9	Intensity Indication	0	0–10 No function 11–20 Indication of drop of max light intensity 21–30 Set drop by 6-10% (RED) 31–40 Set drop by 11-15% (Green) 41–50 Set drop by 16-20% (BLUE) 51–60 Set drop by 21-25% (CYAN) 61–70 Set drop by 26-30% (MAGENTA) 71–80 Set drop by 31-35% (YELLOW) 81–90 Set drop by 36-40% (ORANGE) 91–100 Original intensity (WHITE) 101–255 NoFeature

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–10 Open/white (wheel slot 1) 11–31 Deep red (wheel slot 2) 32–53 Deep blue (wheel slot 3) 54–75 Orange (wheel slot 4) 76–96 Green (wheel slot 5) 97–117 Congo Blue (wheel slot 6) 118–127 Open/white (wheel slot 1) 128–129 Open/white step (wheel slot 1) 130–141 Deep red step (wheel slot 2) 142–153 Deep blue step (wheel slot 3) 154–165 Orange step (wheel slot 4) 166–177 Green step (wheel slot 5) 178–189 Congo blue step (wheel slot 6) 190–191 Fast to slow 1/9 192–194 Fast to slow 2/9 195–197 Fast to slow 3/9 198–201 Fast to slow 4/9 202–204 Fast to slow 5/9 205–206 Fast to slow 6/9 207–209 Fast to slow 7/9 210–211 Fast to slow 8/9 212–215 Fast to slow 9/9 216–217 No Rotation middle 218–220 Slow to fast 1/9 221–222 Slow to fast 2/9 223–225 Slow to fast 3/9 226–227 Slow to fast 4/9 228–230 Slow to fast 5/9 231–234 Slow to fast 6/9 235–237 Slow to fast 7/9 238–240 Slow to fast 8/9 241–243 Slow to fast 9/9 244–249 Random color selection by audio control 250–255 Auto random color selection from fast to slow
11	Color Wheel Fine	0	Fine byte of Color Wheel

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
12	Color Wheel 2	0	0–10 Open/white (wheel slot 1) 11–31 Multicolor (wheel slot 2) 32–53 Laser green (wheel slot 3) 54–75 Lavander (wheel slot 4) 76–96 CRI 80 (wheel slot 5) 97–117 CRI 90 (wheel slot 6) 118–129 Open/white (wheel slot 1) 130–141 Multicolor (wheel slot 2) 142–153 Laser green (wheel slot 3) 154–165 Lavander (wheel slot 4) 166–177 CRI 80 (wheel slot 5) 178–189 CRI 90 (wheel slot 6) 190–191 Fast to slow 1/9 192–194 Fast to slow 2/9 195–197 Fast to slow 3/9 198–201 Fast to slow 4/9 202–204 Fast to slow 5/9 205–206 Fast to slow 6/9 207–209 Fast to slow 7/9 210–211 Fast to slow 8/9 212–215 Fast to slow 9/9 216–217 No rotation middle 218–220 Slow to fast 1/9 221–222 Slow to fast 2/9 223–225 Slow to fast 3/9 226–227 Slow to fast 4/9 228–230 Slow to fast 5/9 231–234 Slow to fast 6/9 235–237 Slow to fast 7/9 238–240 Slow to fast 8/9 241–243 Slow to fast 9/9 244–249 Random color selection by audio control 250–255 Auto random color selection from fast to slow
13	Color Wheel 2 Fine	0	Fine byte of Color Wheel 2
14	Cyan	0	
15	Magenta	0	
16	Yellow	0	
17	C TO	0	0–254 6700K 255–255 3000K
18	Color3	0	
19	Color Mix MSpeed	0	0–254 Speed max 255–255 Speed min
20	Color Mix MTime	0	0–0 Function is off 1–254 Time min 255–255 Time max
21	Scrim Pos	0	0–0 No function 1–255 Scrim inserting
22	Scrim Index	0	0–63 Scrim indexing 0 deg 64–127 Scrim indexing 90 deg 128–191 Scrim indexing 180 deg 192–254 Scrim indexing 270 deg 255–255 Scrim indexing 360 deg

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
23	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow
24	Zoom	128	
25	Zoom Fine	0	Fine byte of Zoom
26	Edge Color Corection	128	
27	Shaper Rot	128	
28	Blade2A	0	
29	Blade1A	0	
30	Blade4A	0	
31	Blade3A	0	
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 (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)
34	Dimmer Fine	0	Fine byte of Dimmer

Mode 3 - Standard 16 bit + green corre

35 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 1–1 Max speed mode 2–255 Speed/Time max to min

Mode 3 - Standard 16 bit + green corre (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 No function 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 Colour moving: ON 65–69 BO while Colour moving: OFF 70–79 No function 80–84 Fan mode Auto 85–89 Fan mode High 90–94 HighPower mode ON 95–99 HighPower mode OFF 100–104 No function 105–109 Dimmer curve Super square law 110–114 Dimmer curve Square law 115–119 Dimmer curve Linear 120–124 Parking position ON 125–129 Parking position OFF 130–139 Reset except PT 140–149 PositionReset 150–159 Color system reset 160–169 No function 170–174 Pan reset 175–179 Tilt reset 180–189 Zoom Focus Frost Prism reset 190–199 Barndoors and Scrim reset 200–209 Total reset 210–239 No function 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	
9	Intensity Indication	0	0–10 No function 11–20 Indication of drop of max light intensity 21–30 Set drop by 6-10% (RED) 31–40 Set drop by 11-15% (Green) 41–50 Set drop by 16-20% (BLUE) 51–60 Set drop by 21-25% (CYAN) 61–70 Set drop by 26-30% (MAGENTA) 71–80 Set drop by 31-35% (YELLOW) 81–90 Set drop by 36-40% (ORANGE) 91–100 Original intensity (WHITE) 101–255 NoFeature

Mode 3 - Standard 16 bit + green corre (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–10 Open/white (wheel slot 1) 11–31 Deep red (wheel slot 2) 32–53 Deep blue (wheel slot 3) 54–75 Orange (wheel slot 4) 76–96 Green (wheel slot 5) 97–117 Congo Blue (wheel slot 6) 118–127 Open/white (wheel slot 1) 128–129 Open/white step (wheel slot 1) 130–141 Deep red step (wheel slot 2) 142–153 Deep blue step (wheel slot 3) 154–165 Orange step (wheel slot 4) 166–177 Green step (wheel slot 5) 178–189 Congo blue step (wheel slot 6) 190–191 Fast to slow 1/9 192–194 Fast to slow 2/9 195–197 Fast to slow 3/9 198–201 Fast to slow 4/9 202–204 Fast to slow 5/9 205–206 Fast to slow 6/9 207–209 Fast to slow 7/9 210–211 Fast to slow 8/9 212–215 Fast to slow 9/9 216–217 No Rotation middle 218–220 Slow to fast 1/9 221–222 Slow to fast 2/9 223–225 Slow to fast 3/9 226–227 Slow to fast 4/9 228–230 Slow to fast 5/9 231–234 Slow to fast 6/9 235–237 Slow to fast 7/9 238–240 Slow to fast 8/9 241–243 Slow to fast 9/9 244–249 Random color selection by audio control 250–255 Auto random color selection from fast to slow
11	Color Wheel Fine	0	Fine byte of Color Wheel

Mode 3 - Standard 16 bit + green corre (continued)

Ch	Function	Default	DMX values
12	Color Wheel 2	0	0–10 Open/white (wheel slot 1) 11–31 Multicolor (wheel slot 2) 32–53 Laser green (wheel slot 3) 54–75 Lavander (wheel slot 4) 76–96 CRI 80 (wheel slot 5) 97–117 CRI 90 (wheel slot 6) 118–129 Open/white (wheel slot 1) 130–141 Multicolor (wheel slot 2) 142–153 Laser green (wheel slot 3) 154–165 Lavander (wheel slot 4) 166–177 CRI 80 (wheel slot 5) 178–189 CRI 90 (wheel slot 6) 190–191 Fast to slow 1/9 192–194 Fast to slow 2/9 195–197 Fast to slow 3/9 198–201 Fast to slow 4/9 202–204 Fast to slow 5/9 205–206 Fast to slow 6/9 207–209 Fast to slow 7/9 210–211 Fast to slow 8/9 212–215 Fast to slow 9/9 216–217 No rotation middle 218–220 Slow to fast 1/9 221–222 Slow to fast 2/9 223–225 Slow to fast 3/9 226–227 Slow to fast 4/9 228–230 Slow to fast 5/9 231–234 Slow to fast 6/9 235–237 Slow to fast 7/9 238–240 Slow to fast 8/9 241–243 Slow to fast 9/9 244–249 Random color selection by audio control 250–255 Auto random color selection from fast to slow
13	Color Wheel 2 Fine	0	Fine byte of Color Wheel 2
14	Cyan	0	
15	Magenta	0	
16	Yellow	0	
17	C TO	0	0–254 6700K 255–255 3000K
18	Tint	128	0–0 Uncorrected white 1 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 2 129–255 Uncorrected white - > Plus green
19	Color3	0	
20	Color Mix MSpeed	0	0–254 Speed max 255–255 Speed min
21	Color Mix MTime	0	0–0 Function is off 1–254 Time min 255–255 Time max
22	Scrim Pos	0	0–0 No function 1–255 Scrim inserting
23	Scrim Index	0	0–63 Scrim indexing 0 deg 64–127 Scrim indexing 90 deg 128–191 Scrim indexing 180 deg 192–254 Scrim indexing 270 deg 255–255 Scrim indexing 360 deg

Mode 3 - Standard 16 bit + green corre (continued)

Ch	Function	Default	DMX values
24	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow
25	Zoom	128	
26	Zoom Fine	0	Fine byte of Zoom
27	Edge Color Corection	128	
28	Shaper Rot	128	
29	Blade2A	0	
30	Blade1A	0	
31	Blade4A	0	
32	Blade3A	0	
33	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
34	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)
35	Dimmer Fine	0	Fine byte of Dimmer