Robe Lighting

Robin iEsprite



Manufacturer	**Robe Lighting**
Type	**Profile spot**
DMX modes	**5**
DMX footprint	**42, 43, 49, 50, 51 channels**
Beam angle	**5-50°**
Pan range	**540°**
Tilt range	**263.6°**
Size (W × H × D)	**286 × 543 × 254 mm**
GDTF fixture type	**A5095440-DC81-47FB-B32E-BB...**

Controls

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

DMX modes

Mode 2 - Reduced 8 bit	42 ch
Mode 4 - Reduced 8 bit + green corre	43 ch
Mode 1 - Standard 16 bit	49 ch
Mode 3 - Standard 16 bit + green corre	50 ch
Mode 5 - Enhanced gobo control	51 ch

Mode 2 - Reduced 8 bit

42 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	
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	0–40 6500K 41–53 6000K 54–102 5800K 103–114 5000K 115–130 4800K 131–181 4500K 182–212 3600K 213–254 3200K 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	Zoom MSpeed	0	0–0 No function 1–255 Gobo/Framing/Zoom/Focus/Iris/Frost/Prism time min

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
20	Animation Wheel1	0	0–19 No function 20–127 Effect wheel indexing (wheel slot 1) 128–169 Ramping from open to full max 170–170 Ramping from open to full min 171–212 Ramping from open to half max 213–213 Ramping from open to half min 214–254 Ramping from half to full min 255–255 Ramping from half to full max
21	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
22	Animation Wheel1Macro	0	0–7 No animation 8–9 Macro 1 10–11 Macro 2 12–13 Macro 3 14–15 Macro 4 16–17 Macro 5 18–19 Macro 6 20–21 Macro 7 22–23 Macro 8 24–25 Macro 9 26–27 Macro 10 28–255 Reserved
23	Gobo	0	0–8 Open/hole (wheel slot 1) 9–17 Gobo1 (wheel slot 2) 18–26 Gobo2 (wheel slot 3) 27–35 Gobo3 (wheel slot 4) 36–44 Gobo4 (wheel slot 5) 45–53 Gobo5 (wheel slot 6) 54–62 Gobo6 (wheel slot 7) 63–71 Gobo7 (wheel slot 8) 72–80 Gobo8 (wheel slot 9) 81–91 Gobo9 (wheel slot 10) 92–103 Gobo1 Shake (wheel slot 2) 104–115 Gobo2 Shake (wheel slot 3) 116–127 Gobo3 Shake (wheel slot 4) 128–139 Gobo4 Shake (wheel slot 5) 140–151 Gobo5 Shake (wheel slot 6) 152–163 Gobo6 Shake (wheel slot 7) 164–175 Gobo7 Shake (wheel slot 8) 176–187 Gobo8 Shake (wheel slot 9) 188–199 Gobo9 Shake (wheel slot 10) 200–201 Open/hole (wheel slot 1) 202–220 Fast to slow - fast 221–222 Fast to slow - slow 223–240 Slow to fast - slow 241–243 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 8 bit (continued)

Ch	Function	Default	DMX values
24	Gobo 2	0	0–3 Open (wheel slot 1) 4–7 Gobo1 index (wheel slot 2) 8–11 Gobo2 index (wheel slot 3) 12–15 Gobo3 index (wheel slot 4) 16–19 Gobo4 index (wheel slot 5) 20–23 Gobo5 index (wheel slot 6) 24–27 Gobo6 index (wheel slot 7) 28–31 Gobo7 index (wheel slot 8) 32–35 Gobo1 rotate (wheel slot 2) 36–39 Gobo2 rotate (wheel slot 3) 40–43 Gobo3 rotate (wheel slot 4) 44–47 Gobo4 rotate (wheel slot 5) 48–51 Gobo5 rotate (wheel slot 6) 52–55 Gobo6 rotate (wheel slot 7) 56–59 Gobo7 rotate (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–220 Fast to slow - Fast 221–223 Fast to slow - slow 224–237 Slow to fast - slow 238–243 Slow to fast - fast 244–249 Random gobo selection by audio control 250–255 Auto randim gobo selection from fast to slow
25	Gobo Rotation 2	128	0–0 Gobo indexing min 1–124 Fast to slow - Fast 125–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Gobo indexing max 232–255 Slow to fast - Fast
26	Prism	0	0–19 Open/hole 20–73 Prism indexing (wheel slot 2) 74–127 Prism rotation (wheel slot 2) 128–135 Macro 1 136–143 Macro 2 144–151 Macro 3 152–159 Macro 4 160–167 Macro 5 168–175 Macro 6 176–183 Macro 7 184–191 Macro 8 192–199 Macro 9 200–207 Macro 10 208–215 Macro 11 216–223 Macro 12 224–231 Macro 13 232–239 Macro 14 240–247 Macro 15 248–255 Macro 16

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
27	Prism Rotation	128	0–0 No rotation 1–124 min 125–127 Fast to slow - Slow 128–128 center 129–232 max 233–255 Slow to fast - Fast
28	Frost1	0	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
29	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
30	Zoom	128	
31	Focus	128	
32	Shaper Rot	128	
33	Blade1A	0	
34	Blade1Rot	128	

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
35	Blade4A	0	
36	Blade4Rot	128	
37	Blade3A	0	
38	Blade3Rot	128	
39	Blade2A	0	
40	Blade2Rot	128	
41	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
42	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)

Mode 4 - Reduced 8 bit + green corre

43 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	
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	0–40 6500K 41–53 6000K 54–102 5800K 103–114 5000K 115–130 4800K 131–181 4500K 182–212 3600K 213–254 3200K 255–255 3000K
16	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 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	Zoom MSpeed	0	0–0 No function 1–255 Gobo/Framing/Zoom/Focus/Iris/Frost/Prism time min

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

Ch	Function	Default	DMX values
21	Animation Wheel1	0	0–19 No function 20–127 Effect wheel indexing (wheel slot 1) 128–169 Ramping from open to full max 170–170 Ramping from open to full min 171–212 Ramping from open to half max 213–213 Ramping from open to half min 214–254 Ramping from half to full min 255–255 Ramping from half to full max
22	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
23	Animation Wheel1Macro	0	0–7 No animation 8–9 Macro 1 10–11 Macro 2 12–13 Macro 3 14–15 Macro 4 16–17 Macro 5 18–19 Macro 6 20–21 Macro 7 22–23 Macro 8 24–25 Macro 9 26–27 Macro 10 28–255 Reserved
24	Gobo	0	0–8 Open/hole (wheel slot 1) 9–17 Gobo1 (wheel slot 2) 18–26 Gobo2 (wheel slot 3) 27–35 Gobo3 (wheel slot 4) 36–44 Gobo4 (wheel slot 5) 45–53 Gobo5 (wheel slot 6) 54–62 Gobo6 (wheel slot 7) 63–71 Gobo7 (wheel slot 8) 72–80 Gobo8 (wheel slot 9) 81–91 Gobo9 (wheel slot 10) 92–103 Gobo1 Shake (wheel slot 2) 104–115 Gobo2 Shake (wheel slot 3) 116–127 Gobo3 Shake (wheel slot 4) 128–139 Gobo4 Shake (wheel slot 5) 140–151 Gobo5 Shake (wheel slot 6) 152–163 Gobo6 Shake (wheel slot 7) 164–175 Gobo7 Shake (wheel slot 8) 176–187 Gobo8 Shake (wheel slot 9) 188–199 Gobo9 Shake (wheel slot 10) 200–201 Open/hole (wheel slot 1) 202–220 Fast to slow - fast 221–222 Fast to slow - slow 223–240 Slow to fast - slow 241–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow

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

Ch	Function	Default	DMX values
25	Gobo 2	0	0–3 Open (wheel slot 1) 4–7 Gobo1 index (wheel slot 2) 8–11 Gobo2 index (wheel slot 3) 12–15 Gobo3 index (wheel slot 4) 16–19 Gobo4 index (wheel slot 5) 20–23 Gobo5 index (wheel slot 6) 24–27 Gobo6 index (wheel slot 7) 28–31 Gobo7 index (wheel slot 8) 32–35 Gobo1 rotate (wheel slot 2) 36–39 Gobo2 rotate (wheel slot 3) 40–43 Gobo3 rotate (wheel slot 4) 44–47 Gobo4 rotate (wheel slot 5) 48–51 Gobo5 rotate (wheel slot 6) 52–55 Gobo6 rotate (wheel slot 7) 56–59 Gobo7 rotate (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–220 Fast to slow - Fast 221–223 Fast to slow - slow 224–237 Slow to fast - slow 238–243 Slow to fast - fast 244–249 Random gobo selection by audio control 250–255 Auto randim gobo selection from fast to slow
26	Gobo Rotation 2	128	0–0 Gobo indexing min 1–124 Fast to slow - Fast 125–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Gobo indexing max 232–255 Slow to fast - Fast
27	Prism	0	0–19 Open/hole 20–73 Prism indexing (wheel slot 2) 74–127 Prism rotation (wheel slot 2) 128–135 Macro 1 136–143 Macro 2 144–151 Macro 3 152–159 Macro 4 160–167 Macro 5 168–175 Macro 6 176–183 Macro 7 184–191 Macro 8 192–199 Macro 9 200–207 Macro 10 208–215 Macro 11 216–223 Macro 12 224–231 Macro 13 232–239 Macro 14 240–247 Macro 15 248–255 Macro 16

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

Ch	Function	Default	DMX values
28	Prism Rotation	128	0–0 No rotation 1–124 min 125–127 Fast to slow - Slow 128–128 center 129–232 max 233–255 Slow to fast - Fast
29	Frost1	0	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
30	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
31	Zoom	128	
32	Focus	128	
33	Shaper Rot	128	
34	Blade1A	0	
35	Blade1Rot	128	

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

Ch	Function	Default	DMX values
36	Blade4A	0	
37	Blade4Rot	128	
38	Blade3A	0	
39	Blade3Rot	128	
40	Blade2A	0	
41	Blade2Rot	128	
42	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
43	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)

Mode 1 - Standard 16 bit

49 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–0 Standard mode 1–1 Max speed mode 2–255 Speed/Time max to min
6	Control1	0	
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	0–40 6500K 41–53 6000K 54–102 5800K 103–114 5000K 115–130 4800K 131–181 4500K 182–212 3600K 213–254 3200K 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	Zoom MSpeed	0	0–0 No function 1–255 Gobo/Framing/Zoom/Focus/Iris/Frost/Prism time min

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
22	Animation Wheel1	0	0–19 No function 20–127 Effect wheel indexing (wheel slot 1) 128–169 Ramping from open to full max 170–170 Ramping from open to full min 171–212 Ramping from open to half max 213–213 Ramping from open to half min 214–254 Ramping from half to full min 255–255 Ramping from half to full max
23	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
24	Animation Wheel1Macro	0	0–7 No animation 8–9 Macro 1 10–11 Macro 2 12–13 Macro 3 14–15 Macro 4 16–17 Macro 5 18–19 Macro 6 20–21 Macro 7 22–23 Macro 8 24–25 Macro 9 26–27 Macro 10 28–255 Reserved
25	Gobo	0	0–8 Open/hole (wheel slot 1) 9–17 Gobo1 (wheel slot 2) 18–26 Gobo2 (wheel slot 3) 27–35 Gobo3 (wheel slot 4) 36–44 Gobo4 (wheel slot 5) 45–53 Gobo5 (wheel slot 6) 54–62 Gobo6 (wheel slot 7) 63–71 Gobo7 (wheel slot 8) 72–80 Gobo8 (wheel slot 9) 81–91 Gobo9 (wheel slot 10) 92–103 Gobo1 Shake (wheel slot 2) 104–115 Gobo2 Shake (wheel slot 3) 116–127 Gobo3 Shake (wheel slot 4) 128–139 Gobo4 Shake (wheel slot 5) 140–151 Gobo5 Shake (wheel slot 6) 152–163 Gobo6 Shake (wheel slot 7) 164–175 Gobo7 Shake (wheel slot 8) 176–187 Gobo8 Shake (wheel slot 9) 188–199 Gobo9 Shake (wheel slot 10) 200–201 Open/hole (wheel slot 1) 202–220 Fast to slow - fast 221–222 Fast to slow - slow 223–240 Slow to fast - slow 241–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
26	Gobo 2	0	0–3 Open (wheel slot 1) 4–7 Gobo1 index (wheel slot 2) 8–11 Gobo2 index (wheel slot 3) 12–15 Gobo3 index (wheel slot 4) 16–19 Gobo4 index (wheel slot 5) 20–23 Gobo5 index (wheel slot 6) 24–27 Gobo6 index (wheel slot 7) 28–31 Gobo7 index (wheel slot 8) 32–35 Gobo1 rotate (wheel slot 2) 36–39 Gobo2 rotate (wheel slot 3) 40–43 Gobo3 rotate (wheel slot 4) 44–47 Gobo4 rotate (wheel slot 5) 48–51 Gobo5 rotate (wheel slot 6) 52–55 Gobo6 rotate (wheel slot 7) 56–59 Gobo7 rotate (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–220 Fast to slow - Fast 221–223 Fast to slow - slow 224–237 Slow to fast - slow 238–243 Slow to fast - fast 244–249 Random gobo selection by audio control 250–255 Auto randim gobo selection from fast to slow
27	Gobo Rotation 2	127	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–255 Slow to fast - Fast
28	Gobo Rotation 2 Fine	255	Fine byte of Gobo Rotation 2
29	Prism	0	0–19 Open/hole (wheel slot 1) 20–73 Prism indexing (wheel slot 2) 74–127 Prism rotation (wheel slot 2) 128–135 Macro 1 136–143 Macro 2 144–151 Macro 3 152–159 Macro 4 160–167 Macro 5 168–175 Macro 6 176–183 Macro 7 184–191 Macro 8 192–199 Macro 9 200–207 Macro 10 208–215 Macro 11 216–223 Macro 12 224–231 Macro 13 232–239 Macro 14 240–247 Macro 15 248–255 Macro 16

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
30	Prism Rotation	128	0–0 No rotation 1–124 min 125–127 Fast to slow - Slow 128–128 center 129–232 max 233–255 Slow to fast - Fast
31	Frost1	0	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
32	Iris	0	0–179 Open 180–191 Closed 192–194 Slow to fast 1/13 195–196 Slow to fast 2/13 197–198 Slow to fast 3/13 199–200 Slow to fast 4/13 201–202 Slow to fast 5/13 203–204 Slow to fast 6/13 205–206 Slow to fast 7/13 207–208 Slow to fast 8/13 209–210 Slow to fast 9/13 211–212 Slow to fast 10/13 213–214 Slow to fast 11/13 215–216 Slow 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
33	Iris Fine	0	Fine byte of Iris
34	Zoom	128	
35	Zoom Fine	0	Fine byte of Zoom
36	Focus	128	
37	Focus Fine	0	Fine byte of Focus

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
38	Shaper Rot	128	
39	Blade1A	0	
40	Blade1Rot	128	
41	Blade4A	0	
42	Blade4Rot	128	
43	Blade3A	0	
44	Blade3Rot	128	
45	Blade2A	0	
46	Blade2Rot	128	
47	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 Strobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 Strobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 Strobe · Slow to fast 12/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.1–0.26 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 0.287–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–0.367 Hz 150–155 StrobePulseClose · Fast to slow 4/7 0.34–0.207 Hz 156–159 StrobePulseClose · Fast to slow 7/7 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
48	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)
49	Dimmer Fine	0	Fine byte of Dimmer

Mode 3 - Standard 16 bit + green corre

50 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	
7	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 300 Hz 10–14 600 Hz 15–19 1200 Hz 20–24 2400 Hz 25–255 NoFeature
8	L EDFrequency Adjust	128	

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

Ch	Function	Default	DMX values
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
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	0–40 6500K 41–53 6000K 54–102 5800K 103–114 5000K 115–130 4800K 131–181 4500K 182–212 3600K 213–254 3200K 255–255 3000K
18	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 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	Zoom MSpeed	0	0–0 No function 1–255 Gobo/Framing/Zoom/Focus/Iris/Frost/Prism time min

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

Ch	Function	Default	DMX values
23	Animation Wheel1	0	0–19 No function 20–127 Effect wheel indexing (wheel slot 1) 128–169 Ramping from open to full max 170–170 Ramping from open to full min 171–212 Ramping from open to half max 213–213 Ramping from open to half min 214–254 Ramping from half to full min 255–255 Ramping from half to full max
24	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
25	Animation Wheel1Macro	0	0–7 No animation 8–9 Macro 1 10–11 Macro 2 12–13 Macro 3 14–15 Macro 4 16–17 Macro 5 18–19 Macro 6 20–21 Macro 7 22–23 Macro 8 24–25 Macro 9 26–27 Macro 10 28–255 Reserved
26	Gobo	0	0–8 Open/hole (wheel slot 1) 9–17 Gobo1 (wheel slot 2) 18–26 Gobo2 (wheel slot 3) 27–35 Gobo3 (wheel slot 4) 36–44 Gobo4 (wheel slot 5) 45–53 Gobo5 (wheel slot 6) 54–62 Gobo6 (wheel slot 7) 63–71 Gobo7 (wheel slot 8) 72–80 Gobo8 (wheel slot 9) 81–91 Gobo9 (wheel slot 10) 92–103 Gobo1 Shake (wheel slot 2) 104–115 Gobo2 Shake (wheel slot 3) 116–127 Gobo3 Shake (wheel slot 4) 128–139 Gobo4 Shake (wheel slot 5) 140–151 Gobo5 Shake (wheel slot 6) 152–163 Gobo6 Shake (wheel slot 7) 164–175 Gobo7 Shake (wheel slot 8) 176–187 Gobo8 Shake (wheel slot 9) 188–199 Gobo9 Shake (wheel slot 10) 200–201 Open/hole (wheel slot 1) 202–220 Fast to slow - fast 221–222 Fast to slow - slow 223–240 Slow to fast - slow 241–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow

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

Ch	Function	Default	DMX values
27	Gobo 2	0	0–3 Open (wheel slot 1) 4–7 Gobo1 index (wheel slot 2) 8–11 Gobo2 index (wheel slot 3) 12–15 Gobo3 index (wheel slot 4) 16–19 Gobo4 index (wheel slot 5) 20–23 Gobo5 index (wheel slot 6) 24–27 Gobo6 index (wheel slot 7) 28–31 Gobo7 index (wheel slot 8) 32–35 Gobo1 rotate (wheel slot 2) 36–39 Gobo2 rotate (wheel slot 3) 40–43 Gobo3 rotate (wheel slot 4) 44–47 Gobo4 rotate (wheel slot 5) 48–51 Gobo5 rotate (wheel slot 6) 52–55 Gobo6 rotate (wheel slot 7) 56–59 Gobo7 rotate (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–220 Fast to slow - Fast 221–223 Fast to slow - slow 224–237 Slow to fast - slow 238–243 Slow to fast - fast 244–249 Random gobo selection by audio control 250–255 Auto randim gobo selection from fast to slow
28	Gobo Rotation 2	127	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	255	Fine byte of Gobo Rotation 2
30	Prism	0	0–19 Open/hole (wheel slot 1) 20–73 Prism indexing (wheel slot 2) 74–127 Prism rotation (wheel slot 2) 128–135 Macro 1 136–143 Macro 2 144–151 Macro 3 152–159 Macro 4 160–167 Macro 5 168–175 Macro 6 176–183 Macro 7 184–191 Macro 8 192–199 Macro 9 200–207 Macro 10 208–215 Macro 11 216–223 Macro 12 224–231 Macro 13 232–239 Macro 14 240–247 Macro 15 248–255 Macro 16

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

Ch	Function	Default	DMX values
31	Prism Rotation	128	0–0 No rotation 1–124 min 125–127 Fast to slow - Slow 128–128 center 129–232 max 233–255 Slow to fast - Fast
32	Frost1	0	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
33	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
34	Iris Fine	0	Fine byte of Iris
35	Zoom	128	
36	Zoom Fine	0	Fine byte of Zoom
37	Focus	128	
38	Focus Fine	0	Fine byte of Focus

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

Ch	Function	Default	DMX values
39	Shaper Rot	128	
40	Blade1A	0	
41	Blade1Rot	128	
42	Blade4A	0	
43	Blade4Rot	128	
44	Blade3A	0	
45	Blade3Rot	128	
46	Blade2A	0	
47	Blade2Rot	128	
48	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
49	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)
50	Dimmer Fine	0	Fine byte of Dimmer

Mode 5 - Enhanced gobo control

51 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	
7	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 300 Hz 10–14 600 Hz 15–19 1200 Hz 20–24 2400 Hz 25–255 NoFeature
8	L EDFrequency Adjust	128	

Mode 5 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
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
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 5 - Enhanced gobo control (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	0–40 6500K 41–53 6000K 54–102 5800K 103–114 5000K 115–130 4800K 131–181 4500K 182–212 3600K 213–254 3200K 255–255 3000K
18	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 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	Zoom MSpeed	0	0–0 No function 1–255 Gobo/Framing/Zoom/Focus/Iris/Frost/Prism time min

Mode 5 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
23	Animation Wheel1	0	0–19 No function 20–127 Effect wheel indexing (wheel slot 1) 128–169 Ramping from open to full max 170–170 Ramping from open to full min 171–212 Ramping from open to half max 213–213 Ramping from open to half min 214–254 Ramping from half to full min 255–255 Ramping from half to full max
24	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
25	Animation Wheel1Macro	0	0–7 No animation 8–9 Macro 1 10–11 Macro 2 12–13 Macro 3 14–15 Macro 4 16–17 Macro 5 18–19 Macro 6 20–21 Macro 7 22–23 Macro 8 24–25 Macro 9 26–27 Macro 10 28–255 Reserved
26	Gobo	0	0–8 Open/hole (wheel slot 1) 9–17 Gobo1 (wheel slot 2) 18–26 Gobo2 (wheel slot 3) 27–35 Gobo3 (wheel slot 4) 36–44 Gobo4 (wheel slot 5) 45–53 Gobo5 (wheel slot 6) 54–62 Gobo6 (wheel slot 7) 63–71 Gobo7 (wheel slot 8) 72–80 Gobo8 (wheel slot 9) 81–91 Gobo9 (wheel slot 10) 92–103 Gobo1 Shake (wheel slot 2) 104–115 Gobo2 Shake (wheel slot 3) 116–127 Gobo3 Shake (wheel slot 4) 128–139 Gobo4 Shake (wheel slot 5) 140–151 Gobo5 Shake (wheel slot 6) 152–163 Gobo6 Shake (wheel slot 7) 164–175 Gobo7 Shake (wheel slot 8) 176–187 Gobo8 Shake (wheel slot 9) 188–199 Gobo9 Shake (wheel slot 10) 200–201 Open/hole (wheel slot 1) 202–220 Fast to slow - Fast 221–222 Fast to slow - Slow 223–240 Slow to fast - Slow 241–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow

Mode 5 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
27	Gobo 2	0	0–3 Open (wheel slot 1) 4–7 Gobo1 index (wheel slot 2) 8–11 Gobo2 index (wheel slot 3) 12–15 Gobo3 index (wheel slot 4) 16–19 Gobo4 index (wheel slot 5) 20–23 Gobo5 index (wheel slot 6) 24–27 Gobo6 index (wheel slot 7) 28–31 Gobo7 index (wheel slot 8) 32–35 Gobo1 rotate (wheel slot 2) 36–39 Gobo2 rotate (wheel slot 3) 40–43 Gobo3 rotate (wheel slot 4) 44–47 Gobo4 rotate (wheel slot 5) 48–51 Gobo5 rotate (wheel slot 6) 52–55 Gobo6 rotate (wheel slot 7) 56–59 Gobo7 rotate (wheel slot 8) 60–67 Open prop index (wheel slot 1) 68–75 G01 Prop Index (wheel slot 2) 76–83 G02 Prop Index (wheel slot 3) 84–91 G03 Prop Index (wheel slot 4) 92–99 G04 Prop Index (wheel slot 5) 100–107 G05 Prop Index (wheel slot 6) 108–115 G06 Prop Index (wheel slot 7) 116–123 G07 Prop Index (wheel slot 8) 124–124 Open prop index (wheel slot 1) 125–132 Open Prop Rot (wheel slot 1) 133–140 G01 Prop Rot (wheel slot 2) 141–148 G02 Prop Rot (wheel slot 3) 149–156 G03 Prop Rot (wheel slot 4) 157–164 G04 Prop Rot (wheel slot 5) 165–172 G05 Prop Rot (wheel slot 6) 173–180 G06 Prop Rot (wheel slot 7) 181–188 G07 Prop Rot (wheel slot 8) 189–201 Open Prop Rot (wheel slot 1) 202–220 Fast to slow - Fast 221–223 Fast to slow - slow 224–237 Slow to fast - slow 238–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–255 Auto randim gobo selection from fast to slow
28	Gobo 2 Fine	0	Fine byte of Gobo 2
29	Gobo Rotation 2	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 indexing center 129–231 Slow to fast - Slow 232–255 Slow to fast - Fast
30	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Mode 5 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
31	Prism	0	0–19 Open/hole (wheel slot 1) 20–73 Prism indexing (wheel slot 2) 74–127 Prism rotation (wheel slot 2) 128–135 Macro 1 136–143 Macro 2 144–151 Macro 3 152–159 Macro 4 160–167 Macro 5 168–175 Macro 6 176–183 Macro 7 184–191 Macro 8 192–199 Macro 9 200–207 Macro 10 208–215 Macro 11 216–223 Macro 12 224–231 Macro 13 232–239 Macro 14 240–247 Macro 15 248–255 Macro 16
32	Prism Rotation	128	0–0 No rotation 1–124 min 125–127 Fast to slow - Slow 128–128 center 129–232 max 233–255 Slow to fast - Fast
33	Frost1	0	1–50 Light Frost from 0% to 100% 51–53 100% Light frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow

Mode 5 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
34	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
35	Iris Fine	0	Fine byte of Iris
36	Zoom	128	
37	Zoom Fine	0	Fine byte of Zoom
38	Focus	128	
39	Focus Fine	0	Fine byte of Focus
40	Shaper Rot	128	
41	Blade1A	0	
42	Blade1Rot	128	
43	Blade4A	0	
44	Blade4Rot	128	
45	Blade3A	0	
46	Blade3Rot	128	
47	Blade2A	0	
48	Blade2Rot	128	

Mode 5 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
49	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
50	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)
51	Dimmer Fine	0	Fine byte of Dimmer