Robe Lighting

Robin Forte HCF



Manufacturer	**Robe Lighting**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**54, 56 channels**
Beam angle	**5-55°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**320 × 630 × 287 mm**
GDTF fixture type	**4FA729BD-C17A-48D9-A4F4-04…**

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

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Mode 1 - Standard 16 bit	54 ch
Mode 2 - Enhanced gobo control	56 ch

Mode 1 - Standard 16 bit

54 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 255–255 min
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–31 Fans ON at blackout 32–33 Fans OFF at blackout 34–39 NoFeature 1 40–44 PT mode Speed 45–49 PT mode Time 50–54 BO while PAN TILT moving: ON 55–59 BO while PAN TILT moving: OFF 60–64 BO while Gobo moving: ON 65–69 BO while Gobo moving: OFF 70–74 BO while color wheels moving: ON 75–79 BO while color wheels moving: OFF 80–84 Fan mode Auto 85–89 Fan mode High 90–92 Fan mode Super Quiet 93–94 NoFeature 2 95–99 Dimmer curve: Super Square Law 100–104 Focus Tracking ON 105–109 Focus Tracking OFF 110–114 Dimmer curve: Square law 115–119 Dimmer curve: Linear 120–124 Parking position ON 125–129 Parking position OFF 130–139 Fixture reset (except pan/tilt) 140–149 PositionReset 150–159 Color system reset 160–169 Gobo and Effect wheel reset 170–174 Pan Reset 175–179 Tilt Reset 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–218 NoFeature 3 219–220 Gobo indexing: Maximum speed and shortcut 221–222 Gobo indexing: Follow speed and follow direction 223–224 Gobo indexing: Maximum speed and follow directi… 225–229 RoboSpot enabled 230–234 RoboSpot disabled except faders and PT 235–239 RoboSpot fully disabled 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
7	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 300 Hz 10–14 600 Hz 15–19 1200 Hz 20–24 2400 Hz 25–255 NoFeature
8	L EDFrequency Adjust	128	

Mode 1 - Standard 16 bit (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 - continual (wheel slot 1) 11–31 Deep red - continual (wheel slot 2) 32–53 Deep blue - continual (wheel slot 3) 54–75 Orange - continual (wheel slot 4) 76–96 Green - continual (wheel slot 5) 97–117 Congo Blue - continual (wheel slot 6) 118–127 Open/white - continual (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 - continual (wheel slot 1) 11–31 Multicolor - continual (wheel slot 2) 32–53 Laser green - continual (wheel slot 3) 54–75 Lavander - continual (wheel slot 4) 76–96 CRI 80 - continual (wheel slot 5) 97–117 CRI 90 - continual (wheel slot 6) 118–127 Open/white - continual (wheel slot 1) 128–129 Open/white - step (wheel slot 1) 130–141 Multicolor - step (wheel slot 2) 142–153 Laser green - step (wheel slot 3) 154–165 Lavander - step (wheel slot 4) 166–177 CRI 80 - step (wheel slot 5) 178–189 CRI 90 - 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
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	
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 Wheel Select MSpeed	0	
21	Color Mix MSpeed	0	0–0 Function is OFF 1–254 max 255–255 min
22	Focus MSpeed	0	0–0 Function is OFF 1–254 max 255–255 min
23	Animation Wheel1	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...

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
24	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
25	Animation Wheel1Select Effects	0	0–7 No animation 8–9 Macro 1 (Focus=159) 10–11 Macro 2 (Focus=144) 12–13 Macro 3 (Focus=146) 14–15 Macro 4 (Focus=160) 16–17 Macro 5 (Focus=181) 18–19 Macro 6 (Focus=181) 20–21 Macro 7 (Focus=166) 22–23 Macro 8 (Focus=142) 24–25 Macro 9 (Focus=151) 26–27 Macro 10 (Focus=152) 28–255 NoFeature
26	Gobo	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 202–220 Fast to slow - Fast 221–222 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 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
27	Gobo Rotation	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–255 Slow to fast - Fast
28	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
29	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 202–220 Fast to slow - Fast 221–222 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
30	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
31	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
32	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–73 Prism 1 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)
33	Prism Rotation	128	0–0 Prism 1 Indexing 1–124 Fast to slow - Fast 125–127 Fast to slow - Slow 128–128 No rotation middle 129–232 Slow to fast - Slow 233–255 Slow to fast - Fast
34	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 Prism 2 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)
35	Prism Rotation	128	0–0 No rotation 1–124 Fast to slow - Fast 125–127 Fast to slow - Slow 128–128 No rotation middle 129–232 Slow to fast - Slow 233–255 Slow to fast - Fast

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
36	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 170–255 Open
37	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
38	Iris Fine	0	Fine byte of Iris
39	Zoom	128	
40	Zoom Fine	0	Fine byte of Zoom
41	Focus	128	
42	Focus Fine	0	Fine byte of Focus
43	Shaper Rot	128	
44	Blade1A	0	
45	Blade1Rot	128	
46	Blade4A	0	
47	Blade4Rot	128	
48	Blade3A	0	
49	Blade3Rot	128	

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
50	Blade2A	0	
51	Blade2Rot	128	
52	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
53	Dimmer	0	0–254 Closed 255–255 Open
54	Dimmer Fine	0	Fine byte of Dimmer

Mode 2 - Enhanced gobo control

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 255–255 min

Mode 2 - 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 30–31 Fans ON at blackout 32–33 Fans OFF at blackout 34–39 NoFeature 1 40–44 PT mode Speed 45–49 PT mode Time 50–54 BO while PAN TILT moving: ON 55–59 BO while PAN TILT moving: OFF 60–64 BO while Gobo moving: ON 65–69 BO while Gobo moving: OFF 70–74 BO while color wheels moving: ON 75–79 BO while color wheels moving: OFF 80–84 Fan mode Auto 85–89 Fan mode High 90–92 Fan mode Super Quiet 93–94 NoFeature 2 95–99 Dimmer curve: Super Square Law 100–104 Focus Tracking ON 105–109 Focus Tracking OFF 110–114 Dimmer curve: Square law 115–119 Dimmer curve: Linear 120–124 Parking position ON 125–129 Parking position OFF 130–139 Fixture reset (except pan/tilt) 140–149 PositionReset 150–159 Color system reset 160–169 Gobo and Effect wheel reset 170–174 Pan Reset 175–179 Tilt Reset 180–189 Zoom/focus/frost/prism reset 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–218 NoFeature 3 219–220 Gobo indexing: Maximum speed and shortcut 221–222 Gobo indexing: Follow speed and follow direction 223–224 Gobo indexing: Maximum speed and follow directi… 225–229 RoboSpot enabled 230–234 RoboSpot disabled except faders and PT 235–239 RoboSpot fully disabled 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
7	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 300 Hz 10–14 600 Hz 15–19 1200 Hz 20–24 2400 Hz 25–255 NoFeature
8	L EDFrequency Adjust	128	

Mode 2 - 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 - continual (wheel slot 1) 11–31 Deep red - continual (wheel slot 2) 32–53 Deep blue - continual (wheel slot 3) 54–75 Orange - continual (wheel slot 4) 76–96 Green - continual (wheel slot 5) 97–117 Congo Blue - continual (wheel slot 6) 118–127 Open/white - continual (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 2 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
12	Color Wheel 2	0	0–10 Open/white - continual (wheel slot 1) 11–31 Multicolor - continual (wheel slot 2) 32–53 Laser green - continual (wheel slot 3) 54–75 Lavander - continual (wheel slot 4) 76–96 CRI 80 - continual (wheel slot 5) 97–117 CRI 90 - continual (wheel slot 6) 118–127 Open/white - continual (wheel slot 1) 128–129 Open/white - step (wheel slot 1) 130–141 Multicolor - step (wheel slot 2) 142–153 Laser green - step (wheel slot 3) 154–165 Lavander - step (wheel slot 4) 166–177 CRI 80 - step (wheel slot 5) 178–189 CRI 90 - 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
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	
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 Wheel Select MSpeed	0	
21	Color Mix MSpeed	0	0–0 Function is OFF 1–254 max 255–255 min
22	Focus MSpeed	0	0–0 Function is OFF 1–254 max 255–255 min
23	Animation Wheel1	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...

Mode 2 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
24	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
25	Animation Wheel1Select Effects	0	0–7 No animation 8–9 Macro 1 (Focus=159) 10–11 Macro 2 (Focus=144) 12–13 Macro 3 (Focus=146) 14–15 Macro 4 (Focus=160) 16–17 Macro 5 (Focus=181) 18–19 Macro 6 (Focus=181) 20–21 Macro 7 (Focus=166) 22–23 Macro 8 (Focus=142) 24–25 Macro 9 (Focus=151) 26–27 Macro 10 (Focus=152) 28–255 NoFeature

Mode 2 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
26	Gobo	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 Start 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 (wheel slot 1) 202–220 Fast to slow - Fast 221–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
27	Gobo Fine	0	Fine byte of Gobo
28	Gobo Rotation	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–255 Slow to fast - Fast
29	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Mode 2 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
30	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 Prop Rot (wheel slot 1) 202–220 Fast to slow - Fast 221–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
31	Gobo 2 Fine	0	Fine byte of Gobo 2
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

Mode 2 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
34	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–73 Prism 1 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)
35	Prism Rotation	128	0–0 Prism 1 Indexing 1–124 Fast to slow - Fast 125–127 Fast to slow - Slow 128–128 No rotation middle 129–232 Slow to fast - Slow 233–255 Slow to fast - Fast
36	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 Prism 2 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 Fast to slow - Fast 125–127 Fast to slow - Slow 128–128 No rotation middle 129–232 Slow to fast - Slow 233–255 Slow to fast - Fast

Mode 2 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
38	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 170–255 Open
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	0	Fine byte of Focus
45	Shaper Rot	128	
46	Blade1A	0	
47	Blade1Rot	128	
48	Blade4A	0	
49	Blade4Rot	128	
50	Blade3A	0	
51	Blade3Rot	128	

Mode 2 - Enhanced gobo control (continued)

Ch	Function	Default	DMX values
52	Blade2A	0	
53	Blade2Rot	128	
54	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
55	Dimmer	0	0–254 Closed 255–255 Open
56	Dimmer Fine	0	Fine byte of Dimmer