Elation

Proteus Maximus



Manufacturer	**Elation**
Type	**Profile spot**
DMX modes	**4**
DMX footprint	**37, 61 channels**
Beam angle	**5.5-55°**
Pan range	**630°**
Tilt range	**270°**
Size (W × H × D)	**350 × 591 × 287 mm**
GDTF fixture type	**71600142-47A4-46BF-A4AD-E3…**

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

Strobe

DMX modes

Standard 540deg	37 ch
Standard 630deg	37 ch
Extended 540deg	61 ch
Extended 630deg	61 ch

Standard 540deg

37 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Cyan	0	
6	Magenta	0	
7	Yellow	0	
8	C TO	0	
9	Color Wheel	0	0–19 Open (wheel slot 1) 20–37 Red (wheel slot 2) 38–55 Green (wheel slot 3) 56–73 UV (wheel slot 4) 74–91 High CRI (wheel slot 5) 92–109 Orange (wheel slot 6) 110–127 Medium Blue (wheel slot 7) 128–189 CW 190–193 Rot Stop 194–255 CCW
10	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 CW 222–223 Rot Stop 224–255 CCW
11	Gobo Rotation	0	0–126 Index Min 127–127 Index Max 128–189 CW 190–193 Rot Stop 194–255 CCW
12	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
13	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–77 Gobo 7 (wheel slot 8) 78–93 Gobo 1 (wheel slot 2) 94–109 Gobo 2 (wheel slot 3) 110–125 Gobo 3 (wheel slot 4) 126–141 Gobo 4 (wheel slot 5) 142–157 Gobo 5 (wheel slot 6) 158–173 Gobo 6 (wheel slot 7) 174–189 Gobo 7 (wheel slot 8) 190–221 CW 222–223 Rot Stop 224–255 CCW

Standard 540deg (continued)

Ch	Function	Default	DMX values
14	Prism	0	0–63 Open (wheel slot 1) 64–95 4 Facet Circular (wheel slot 2) 96–127 4 Facet Linear (wheel slot 3) 128–135 Prism / Gobo Macro 1 136–143 Prism / Gobo Macro 2 144–151 Prism / Gobo Macro 3 152–159 Prism / Gobo Macro 4 160–167 Prism / Gobo Macro 5 168–175 Prism / Gobo Macro 6 176–183 Prism / Gobo Macro 7 184–191 Prism / Gobo Macro 8 192–199 Prism / Gobo Macro 9 200–207 Prism / Gobo Macro 10 208–215 Prism / Gobo Macro 11 216–223 Prism / Gobo Macro 12 224–231 Prism / Gobo Macro 13 232–239 Prism / Gobo Macro 14 240–247 Prism / Gobo Macro 15 248–255 Prism / Gobo Macro 16
15	Prism Rotation	0	0–126 Min Index 127–127 Max Index 128–189 CW 190–193 Rot Stop 194–255 CCW
16	Focus	127	
17	Focus Fine	255	Fine byte of Focus
18	Zoom	127	0–127 Narrow 128–254 Normal 255–255 Wide
19	Zoom Fine	255	Fine byte of Zoom
20	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–94 Strobe Min 95–95 Strobe Max 96–127 Open 128–158 Strobe Pulse Min 159–159 Strobe Pulse Max 160–191 Open 192–222 Random Strobe Min 223–223 Random Strobe Max 224–255 Open
21	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
22	Dimmer Fine	0	Fine byte of Dimmer

Standard 540deg (continued)

Ch	Function	Default	DMX values
23	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–120 Stage 2 121–121 0s 122–122 0_1s 123–123 0_2s 124–124 0_3s 125–125 0_4s 126–126 0_5s 127–127 0_6s 128–128 0_7s 129–129 0_8s 130–130 0_9s 131–131 1s 132–132 1_5s 133–133 2s 134–134 3s 135–135 4s 136–136 5s 137–137 6s 138–138 7s 139–139 8s 140–140 9s 141–255 10s
24	Iris	0	0–190 Max 191–191 Min 192–206 Pulse Close Fast 207–222 Pulse Close Med 223–223 Pulse Close Slow 224–238 Pulse Open Slow 239–254 Pulse Open Med 255–255 Pulse Open Fast
25	Frost1	0	0–126 Open 127–254 Light Frost 255–255 Wash Frost
26	Animation Wheel1	0	0–254 No Animation (wheel slot 1) 255–255 Animation Wheel (wheel slot 2)
27	Animation Wheel1Pos	0	0–126 Min 127–127 Max 128–158 CW Fast 159–188 CW Medium 189–189 CW Slow 190–193 Rot Stop 194–223 CCW Slow 224–254 CCW Medium 255–255 CCW Fast
28	Blade1A	0	0–254 Open 255–255 Close
29	Blade1B	0	0–254 Open 255–255 Close
30	Blade2A	0	0–254 Open 255–255 Close
31	Blade2B	0	0–254 Open 255–255 Close
32	Blade3A	0	0–254 Open 255–255 Close

Standard 540deg (continued)

Ch	Function	Default	DMX values
33	Blade3B	0	0–254 Open 255–255 Close
34	Blade4A	0	0–254 Open 255–255 Close
35	Blade4B	0	0–254 Open 255–255 Close
36	Shaper Rot	127	0–127 Minimum 128–254 Parallel 255–255 Maximum
37	Control1	0	

Standard 630deg

37 channels

Ch	Function	Default	DMX values
1	Pan	109	
2	Pan Fine	182	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Cyan	0	
6	Magenta	0	
7	Yellow	0	
8	C TO	0	
9	Color Wheel	0	0–19 Open (wheel slot 1) 20–37 Red (wheel slot 2) 38–55 Green (wheel slot 3) 56–73 UV (wheel slot 4) 74–91 High CRI (wheel slot 5) 92–109 Orange (wheel slot 6) 110–127 Medium Blue (wheel slot 7) 128–189 CW 190–193 Rot Stop 194–255 CCW
10	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 CW 222–223 Rot Stop 224–255 CCW
11	Gobo Rotation	0	0–126 Index Min 127–127 Index Max 128–189 CW 190–193 Rot Stop 194–255 CCW
12	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Standard 630deg (continued)

Ch	Function	Default	DMX values
13	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–77 Gobo 7 (wheel slot 8) 78–93 Gobo 1 (wheel slot 2) 94–109 Gobo 2 (wheel slot 3) 110–125 Gobo 3 (wheel slot 4) 126–141 Gobo 4 (wheel slot 5) 142–157 Gobo 5 (wheel slot 6) 158–173 Gobo 6 (wheel slot 7) 174–189 Gobo 7 (wheel slot 8) 190–221 CW 222–223 Rot Stop 224–255 CCW
14	Prism	0	0–63 Open (wheel slot 1) 64–95 4 Facet Circular (wheel slot 2) 96–127 4 Facet Linear (wheel slot 3) 128–135 Prism / Gobo Macro 1 136–143 Prism / Gobo Macro 2 144–151 Prism / Gobo Macro 3 152–159 Prism / Gobo Macro 4 160–167 Prism / Gobo Macro 5 168–175 Prism / Gobo Macro 6 176–183 Prism / Gobo Macro 7 184–191 Prism / Gobo Macro 8 192–199 Prism / Gobo Macro 9 200–207 Prism / Gobo Macro 10 208–215 Prism / Gobo Macro 11 216–223 Prism / Gobo Macro 12 224–231 Prism / Gobo Macro 13 232–239 Prism / Gobo Macro 14 240–247 Prism / Gobo Macro 15 248–255 Prism / Gobo Macro 16
15	Prism Rotation	0	0–126 Min Index 127–127 Max Index 128–189 CW 190–193 Rot Stop 194–255 CCW
16	Focus	127	
17	Focus Fine	255	Fine byte of Focus
18	Zoom	127	0–127 Narrow 128–254 Normal 255–255 Wide
19	Zoom Fine	255	Fine byte of Zoom
20	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–94 Strobe Min 95–95 Strobe Max 96–127 Open 128–158 Strobe Pulse Min 159–159 Strobe Pulse Max 160–191 Open 192–222 Random Strobe Min 223–223 Random Strobe Max 224–255 Open

Standard 630deg (continued)

Ch	Function	Default	DMX values
21	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
22	Dimmer Fine	0	Fine byte of Dimmer
23	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–120 Stage 2 121–121 0s 122–122 0_1s 123–123 0_2s 124–124 0_3s 125–125 0_4s 126–126 0_5s 127–127 0_6s 128–128 0_7s 129–129 0_8s 130–130 0_9s 131–131 1s 132–132 1_5s 133–133 2s 134–134 3s 135–135 4s 136–136 5s 137–137 6s 138–138 7s 139–139 8s 140–140 9s 141–255 10s
24	Iris	0	0–190 Max 191–191 Min 192–206 Pulse Close Fast 207–222 Pulse Close Med 223–223 Pulse Close Slow 224–238 Pulse Open Slow 239–254 Pulse Open Med 255–255 Pulse Open Fast
25	Frost1	0	0–126 Open 127–254 Light Frost 255–255 Wash Frost
26	Animation Wheel1	0	0–254 No Animation (wheel slot 1) 255–255 Animation Wheel (wheel slot 2)
27	Animation Wheel1Pos	0	0–126 Min 127–127 Max 128–158 CW Fast 159–188 CW Medium 189–189 CW Slow 190–193 Rot Stop 194–223 CCW Slow 224–254 CCW Medium 255–255 CCW Fast
28	Blade1A	0	0–254 Open 255–255 Close
29	Blade1B	0	0–254 Open 255–255 Close

Standard 630deg (continued)

Ch	Function	Default	DMX values
30	Blade2A	0	0–254 Open 255–255 Close
31	Blade2B	0	0–254 Open 255–255 Close
32	Blade3A	0	0–254 Open 255–255 Close
33	Blade3B	0	0–254 Open 255–255 Close
34	Blade4A	0	0–254 Open 255–255 Close
35	Blade4B	0	0–254 Open 255–255 Close
36	Shaper Rot	127	0–127 Minimum 128–254 Parallel 255–255 Maximum
37	Control1	0	

Extended 540deg

61 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Cyan	0	
6	Cyan Fine	0	Fine byte of Cyan
7	Magenta	0	
8	Magenta Fine	0	Fine byte of Magenta
9	Yellow	0	
10	Yellow Fine	0	Fine byte of Yellow
11	C TO	0	
12	C TO Fine	0	Fine byte of C TO
13	Color Wheel	0	0–19 Open (wheel slot 1) 20–37 Red (wheel slot 2) 38–55 Green (wheel slot 3) 56–73 UV (wheel slot 4) 74–91 High CRI (wheel slot 5) 92–109 Orange (wheel slot 6) 110–127 Medium Blue (wheel slot 7) 128–189 CW 190–193 Rot Stop 194–255 CCW
14	Color Wheel Fine	0	Fine byte of Color Wheel

Extended 540deg (continued)

Ch	Function	Default	DMX values
15	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 CW 222–223 Rot Stop 224–255 CCW
16	Gobo Rotation	0	0–126 Index Min 127–127 Index Max 128–189 CW 190–193 Rot Stop 194–255 CCW
17	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
18	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–77 Gobo 7 (wheel slot 8) 78–93 Gobo 1 (wheel slot 2) 94–109 Gobo 2 (wheel slot 3) 110–125 Gobo 3 (wheel slot 4) 126–141 Gobo 4 (wheel slot 5) 142–157 Gobo 5 (wheel slot 6) 158–173 Gobo 6 (wheel slot 7) 174–189 Gobo 7 (wheel slot 8) 190–221 CW 222–223 Rot Stop 224–255 CCW
19	Gobo 2 Fine	0	Fine byte of Gobo 2
20	Prism	0	0–63 Open (wheel slot 1) 64–95 4 Facet Circular (wheel slot 2) 96–127 4 Facet Linear (wheel slot 3) 128–135 Prism / Gobo Macro 1 136–143 Prism / Gobo Macro 2 144–151 Prism / Gobo Macro 3 152–159 Prism / Gobo Macro 4 160–167 Prism / Gobo Macro 5 168–175 Prism / Gobo Macro 6 176–183 Prism / Gobo Macro 7 184–191 Prism / Gobo Macro 8 192–199 Prism / Gobo Macro 9 200–207 Prism / Gobo Macro 10 208–215 Prism / Gobo Macro 11 216–223 Prism / Gobo Macro 12 224–231 Prism / Gobo Macro 13 232–239 Prism / Gobo Macro 14 240–247 Prism / Gobo Macro 15 248–255 Prism / Gobo Macro 16

Extended 540deg (continued)

Ch	Function	Default	DMX values
21	Prism Rotation	0	0–126 Min Index 127–127 Max Index 128–189 CW 190–193 Rot Stop 194–255 CCW
22	Prism Rotation Fine	0	Fine byte of Prism Rotation
23	Focus	127	
24	Focus Fine	255	Fine byte of Focus
25	Zoom	127	0–127 Narrow 128–254 Normal 255–255 Wide
26	Zoom Fine	255	Fine byte of Zoom
27	Focus1Adjust	0	0–50 Off 51–100 5m 101–150 7_5m 151–200 10m 201–255 15m
28	Focus1Adjust Fine	0	Fine byte of Focus1Adjust
29	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–94 Strobe Min 95–95 Strobe Max 96–127 Open 128–158 Strobe Pulse Min 159–159 Strobe Pulse Max 160–191 Open 192–222 Random Strobe Min 223–223 Random Strobe Max 224–255 Open
30	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
31	Dimmer Fine	0	Fine byte of Dimmer

Extended 540deg (continued)

Ch	Function	Default	DMX values
32	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–120 Stage 2 121–121 0s 122–122 0_1s 123–123 0_2s 124–124 0_3s 125–125 0_4s 126–126 0_5s 127–127 0_6s 128–128 0_7s 129–129 0_8s 130–130 0_9s 131–131 1s 132–132 1_5s 133–133 2s 134–134 3s 135–135 4s 136–136 5s 137–137 6s 138–138 7s 139–139 8s 140–140 9s 141–255 10s
33	Iris	0	0–190 Max 191–191 Min 192–206 Pulse Close Fast 207–222 Pulse Close Med 223–223 Pulse Close Slow 224–238 Pulse Open Slow 239–254 Pulse Open Med 255–255 Pulse Open Fast
34	Iris Fine	0	Fine byte of Iris
35	Frost1	0	0–126 Open 127–254 Light Frost 255–255 Wash Frost
36	Animation Wheel1	0	0–254 No Animation (wheel slot 1) 255–255 Animation Wheel (wheel slot 2)
37	Animation Wheel1Pos	0	0–126 Min 127–127 Max 128–158 CW Fast 159–188 CW Medium 189–189 CW Slow 190–193 Rot Stop 194–223 CCW Slow 224–254 CCW Medium 255–255 CCW Fast
38	Color Mix MSpeed	0	

Extended 540deg (continued)

Ch	Function	Default	DMX values
39	Color Macro1	0	0–31 Macros Off 32–39 Macro 1 40–47 Macro 2 48–55 Macro 3 56–63 Macro 4 64–71 Macro 5 72–79 Macro 6 80–87 Macro 7 88–95 Macro 8 96–103 Macro 9 104–111 Macro 10 112–119 Macro 11 120–127 Macro 12 128–135 Macro 13 136–143 Macro 14 144–151 Macro 15 152–159 Macro 16 160–167 Macro 17 168–175 Macro 18 176–183 Macro 19 184–191 Macro 20 192–199 Macro 21 200–207 Macro 22 208–215 Macro 23 216–223 Macro 24 224–231 Macro 25 232–239 Macro 26 240–247 Macro 27 248–255 Random CMY
40	Blade1A	0	0–254 Open 255–255 Close
41	Blade1A Fine	0	Fine byte of Blade1A
42	Blade1B	0	0–254 Open 255–255 Close
43	Blade1B Fine	0	Fine byte of Blade1B
44	Blade2A	0	0–254 Open 255–255 Close
45	Blade2A Fine	0	Fine byte of Blade2A
46	Blade2B	0	0–254 Open 255–255 Close
47	Blade2B Fine	0	Fine byte of Blade2B
48	Blade3A	0	0–254 Open 255–255 Close
49	Blade3A Fine	0	Fine byte of Blade3A
50	Blade3B	0	0–254 Open 255–255 Close
51	Blade3B Fine	0	Fine byte of Blade3B
52	Blade4A	0	0–254 Open 255–255 Close
53	Blade4A Fine	0	Fine byte of Blade4A
54	Blade4B	0	0–254 Open 255–255 Close
55	Blade4B Fine	0	Fine byte of Blade4B
56	Shaper Rot	127	0–127 Minimum 128–254 Parallel 255–255 Maximum

Extended 540deg (continued)

Ch	Function	Default	DMX values
57	Shaper Rot Fine	255	Fine byte of Shaper Rot
58	Frame MSpeed	0	
59	Shaper Macros	0	0–7 Off 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–247 Macro 30 248–255 Macro 31
60	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout By Movement 236–255 Blackout By All Wheel Movement
61	Control1	0	

Extended 630deg

61 channels

Ch	Function	Default	DMX values
1	Pan	109	
2	Pan Fine	182	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Cyan	0	
6	Cyan Fine	0	Fine byte of Cyan
7	Magenta	0	
8	Magenta Fine	0	Fine byte of Magenta
9	Yellow	0	
10	Yellow Fine	0	Fine byte of Yellow
11	C TO	0	
12	C TO Fine	0	Fine byte of C TO

Extended 630deg (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–19 Open (wheel slot 1) 20–37 Red (wheel slot 2) 38–55 Green (wheel slot 3) 56–73 UV (wheel slot 4) 74–91 High CRI (wheel slot 5) 92–109 Orange (wheel slot 6) 110–127 Medium Blue (wheel slot 7) 128–189 CW 190–193 Rot Stop 194–255 CCW
14	Color Wheel Fine	0	Fine byte of Color Wheel
15	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 CW 222–223 Rot Stop 224–255 CCW
16	Gobo Rotation	0	0–126 Index Min 127–127 Index Max 128–189 CW 190–193 Rot Stop 194–255 CCW
17	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
18	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–77 Gobo 7 (wheel slot 8) 78–93 Gobo 1 (wheel slot 2) 94–109 Gobo 2 (wheel slot 3) 110–125 Gobo 3 (wheel slot 4) 126–141 Gobo 4 (wheel slot 5) 142–157 Gobo 5 (wheel slot 6) 158–173 Gobo 6 (wheel slot 7) 174–189 Gobo 7 (wheel slot 8) 190–221 CW 222–223 Rot Stop 224–255 CCW
19	Gobo 2 Fine	0	Fine byte of Gobo 2

Extended 630deg (continued)

Ch	Function	Default	DMX values
20	Prism	0	0–63 Open (wheel slot 1) 64–95 4 Facet Circular (wheel slot 2) 96–127 4 Facet Linear (wheel slot 3) 128–135 Prism / Gobo Macro 1 136–143 Prism / Gobo Macro 2 144–151 Prism / Gobo Macro 3 152–159 Prism / Gobo Macro 4 160–167 Prism / Gobo Macro 5 168–175 Prism / Gobo Macro 6 176–183 Prism / Gobo Macro 7 184–191 Prism / Gobo Macro 8 192–199 Prism / Gobo Macro 9 200–207 Prism / Gobo Macro 10 208–215 Prism / Gobo Macro 11 216–223 Prism / Gobo Macro 12 224–231 Prism / Gobo Macro 13 232–239 Prism / Gobo Macro 14 240–247 Prism / Gobo Macro 15 248–255 Prism / Gobo Macro 16
21	Prism Rotation	0	0–126 Min Index 127–127 Max Index 128–189 CW 190–193 Rot Stop 194–255 CCW
22	Prism Rotation Fine	0	Fine byte of Prism Rotation
23	Focus	127	
24	Focus Fine	255	Fine byte of Focus
25	Zoom	127	0–127 Narrow 128–254 Normal 255–255 Wide
26	Zoom Fine	255	Fine byte of Zoom
27	Focus1Adjust	0	0–50 Off 51–100 5m 101–150 7_5m 151–200 10m 201–255 15m
28	Focus1Adjust Fine	0	Fine byte of Focus1Adjust
29	Shutter / Strobe	50	0–31 Closed 32–63 Open 64–94 Strobe Min 95–95 Strobe Max 96–127 Open 128–158 Strobe Pulse Min 159–159 Strobe Pulse Max 160–191 Open 192–222 Random Strobe Min 223–223 Random Strobe Max 224–255 Open
30	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
31	Dimmer Fine	0	Fine byte of Dimmer

Extended 630deg (continued)

Ch	Function	Default	DMX values
32	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–120 Stage 2 121–121 0s 122–122 0_1s 123–123 0_2s 124–124 0_3s 125–125 0_4s 126–126 0_5s 127–127 0_6s 128–128 0_7s 129–129 0_8s 130–130 0_9s 131–131 1s 132–132 1_5s 133–133 2s 134–134 3s 135–135 4s 136–136 5s 137–137 6s 138–138 7s 139–139 8s 140–140 9s 141–255 10s
33	Iris	0	0–190 Max 191–191 Min 192–206 Pulse Close Fast 207–222 Pulse Close Med 223–223 Pulse Close Slow 224–238 Pulse Open Slow 239–254 Pulse Open Med 255–255 Pulse Open Fast
34	Iris Fine	0	Fine byte of Iris
35	Frost1	0	0–126 Open 127–254 Light Frost 255–255 Wash Frost
36	Animation Wheel1	0	0–254 No Animation (wheel slot 1) 255–255 Animation Wheel (wheel slot 2)
37	Animation Wheel1Pos	0	0–126 Min 127–127 Max 128–158 CW Fast 159–188 CW Medium 189–189 CW Slow 190–193 Rot Stop 194–223 CCW Slow 224–254 CCW Medium 255–255 CCW Fast
38	Color Mix MSpeed	0	

Extended 630deg (continued)

Ch	Function	Default	DMX values
39	Color Macro1	0	0–31 Macros Off 32–39 Macro 1 40–47 Macro 2 48–55 Macro 3 56–63 Macro 4 64–71 Macro 5 72–79 Macro 6 80–87 Macro 7 88–95 Macro 8 96–103 Macro 9 104–111 Macro 10 112–119 Macro 11 120–127 Macro 12 128–135 Macro 13 136–143 Macro 14 144–151 Macro 15 152–159 Macro 16 160–167 Macro 17 168–175 Macro 18 176–183 Macro 19 184–191 Macro 20 192–199 Macro 21 200–207 Macro 22 208–215 Macro 23 216–223 Macro 24 224–231 Macro 25 232–239 Macro 26 240–247 Macro 27 248–255 Random CMY
40	Blade1A	0	0–254 Open 255–255 Close
41	Blade1A Fine	0	Fine byte of Blade1A
42	Blade1B	0	0–254 Open 255–255 Close
43	Blade1B Fine	0	Fine byte of Blade1B
44	Blade2A	0	0–254 Open 255–255 Close
45	Blade2A Fine	0	Fine byte of Blade2A
46	Blade2B	0	0–254 Open 255–255 Close
47	Blade2B Fine	0	Fine byte of Blade2B
48	Blade3A	0	0–254 Open 255–255 Close
49	Blade3A Fine	0	Fine byte of Blade3A
50	Blade3B	0	0–254 Open 255–255 Close
51	Blade3B Fine	0	Fine byte of Blade3B
52	Blade4A	0	0–254 Open 255–255 Close
53	Blade4A Fine	0	Fine byte of Blade4A
54	Blade4B	0	0–254 Open 255–255 Close
55	Blade4B Fine	0	Fine byte of Blade4B
56	Shaper Rot	127	0–127 Minimum 128–254 Parallel 255–255 Maximum

Extended 630deg (continued)

Ch	Function	Default	DMX values
57	Shaper Rot Fine	255	Fine byte of Shaper Rot
58	Frame MSpeed	0	
59	Shaper Macros	0	0–7 Off 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–247 Macro 30 248–255 Macro 31
60	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout By Movement 236–255 Blackout By All Wheel Movement
61	Control1	0	