Elation

Satura Profile



Manufacturer	**Elation**
Type	**Profile spot**
DMX modes	**3**
DMX footprint	**33, 35, 54 channels**
Beam angle	**11-38°**
Pan range	**540°**
Tilt range	**248°**
Size (W × H × D)	**315 × 525 × 272 mm**
GDTF fixture type	**2CFECB7B-A536-4E53-A1D3-9D…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · Extra LED colours · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Strobe

DMX modes

Basic	33 ch
Stand	35 ch
Extend	54 ch

Basic

33 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Color Add C	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
4	Color Add M	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
5	Color Add Y	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
6	C TO	0	
7	Color Macro1Rate	0	
8	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Blue (wheel slot 3) 48–63 Green (wheel slot 4) 64–79 Yellow (wheel slot 5) 80–95 Magenta (wheel slot 6) 96–111 Orange (wheel slot 7) 112–127 Light Blue (wheel slot 8) 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
9	Gobo	0	0–9 Beam Open (wheel slot 1) 10–19 Rotating Gobo 1 (wheel slot 3) 20–29 Rotating Gobo 2 (wheel slot 4) 30–39 Rotating Gobo 3 (wheel slot 5) 40–49 Rotating Gobo 4 (wheel slot 6) 50–59 Rotating Gobo 5 (wheel slot 7) 60–69 Rotating Gobo 6 (wheel slot 8) 70–89 Rotating Gobo 1 Shake (wheel slot 3) 90–109 Rotating Gobo 2 Shake (wheel slot 4) 110–129 Rotating Gobo 3 Shake (wheel slot 5) 130–149 Rotating Gobo 4 Shake (wheel slot 6) 150–169 Rotating Gobo 5 Shake (wheel slot 7) 170–189 Rotating Gobo 6 Shake (wheel slot 8) 190–255 Clockwise Gobo Wheel Rotation from SLOW to FAST
10	Gobo Rotation	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast

Basic (continued)

Ch	Function	Default	DMX values
11	Gobo 2	0	0–13 Open (wheel slot 1) 14–27 Static Gobo 1 (wheel slot 2) 28–41 Static Gobo 2 (wheel slot 3) 42–55 Static Gobo 3 (wheel slot 4) 56–69 Static Gobo 4 (wheel slot 5) 70–83 Static Gobo 5 (wheel slot 6) 84–97 Static Gobo 6 (wheel slot 7) 98–111 Static Gobo 7 (wheel slot 8) 112–127 Shake Gobo 1 (wheel slot 2) 128–143 Shake Gobo 2 (wheel slot 3) 144–159 Shake Gobo 3 (wheel slot 4) 160–175 Shake Gobo 4 (wheel slot 5) 176–191 Shake Gobo 5 (wheel slot 6) 192–207 Shake Gobo 6 (wheel slot 7) 208–223 Shake Gobo 7 (wheel slot 8) 224–255 Clockwise Gobo Wheel Rotation from SLOW to FAST
12	Prism	0	0–63 Open (wheel slot 1) 64–127 3 Facet Prism (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
13	Prism Rotation	0	0–127 Min to Max 128–189 Clockwise Linear Prism Rotation from FAST to SLOW 190–193 NO Rotation 194–255 Counterclockwise Linear Prism Rotation from SLO…
14	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
15	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
16	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Curve setting
17	Frost1	0	

Basic (continued)

Ch	Function	Default	DMX values
18	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
19	Focus	0	0–254 Near 255–255 Far
20	Zoom	0	0–127 Narrow 128–254 Medium 255–255 Wide
21	Blade1A	0	0–254 Blade 1 Min 255–255 Blade 1 Max
22	Blade1Rot	127	
23	Blade2A	0	0–254 Blade 2 Min 255–255 Blade 2 Max
24	Blade2Rot	127	
25	Blade3A	0	0–254 Blade 3 Min 255–255 Blade 3 Max
26	Blade3Rot	127	
27	Blade4A	0	0–254 Blade 4 Min 255–255 Blade 4 Max
28	Blade4Rot	127	
29	Blade1Rot	127	
30	Shaper Macros Speed	0	
31	Shaper Macros	0	0–14 Off 15–29 Blade Macro 1 30–44 Blade Macro 2 45–59 Blade Macro 3 60–74 Blade Macro 4 75–89 Blade Macro 5 90–104 Blade Macro 6 105–119 Blade Macro 7 120–134 Blade Macro 8 135–149 Blade Macro 9 150–164 Blade Macro 10 165–179 Blade Macro 11 180–194 Blade Macro 12 195–209 Blade Macro 13 210–224 Blade Macro 14 225–239 Blade Macro 15 240–255 Blade Macro 16
32	Position MSpeed	0	0–225 Max to Min speed 226–235 Blackout by Movement 236–245 Blackout by All Wheel Changing 246–255 No Function

Basic (continued)

Ch	Function	Default	DMX values
33	Function	0	0–19 GOBO Change Normal 20–29 COLOR Change to Any Position 30–39 GOBO Change to Any Position 40–79 NO FUNCTION 80–84 ALL Motors Reset 85–87 SCAN Motor Reset 88–90 COLOR Motors Reset 91–93 GOBO Motors Reset 94–96 NO FUNCTION 97–99 OTHER Motors Reset 100–119 Internal Program 1 120–139 Internal Program 2 140–159 Internal Program 3 160–179 Internal Program 4 180–199 Internal Program 5 200–219 Internal Program 6 220–239 Internal Program 7 240–255 No Function

Stand

35 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Color Add C	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
6	Color Add M	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
7	Color Add Y	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
8	C TO	0	
9	Color Macro1Rate	0	
10	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Blue (wheel slot 3) 48–63 Green (wheel slot 4) 64–79 Yellow (wheel slot 5) 80–95 Magenta (wheel slot 6) 96–111 Orange (wheel slot 7) 112–127 Light Blue (wheel slot 8) 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast

Stand (continued)

Ch	Function	Default	DMX values
11	Gobo	0	0–9 Beam Open (wheel slot 1) 10–19 Rotating Gobo 1 (wheel slot 3) 20–29 Rotating Gobo 2 (wheel slot 4) 30–39 Rotating Gobo 3 (wheel slot 5) 40–49 Rotating Gobo 4 (wheel slot 6) 50–59 Rotating Gobo 5 (wheel slot 7) 60–69 Rotating Gobo 6 (wheel slot 8) 70–89 Rotating Gobo 1 Shake (wheel slot 3) 90–109 Rotating Gobo 2 Shake (wheel slot 4) 110–129 Rotating Gobo 3 Shake (wheel slot 5) 130–149 Rotating Gobo 4 Shake (wheel slot 6) 150–169 Rotating Gobo 5 Shake (wheel slot 7) 170–189 Rotating Gobo 6 Shake (wheel slot 8) 190–255 Clockwise Gobo Wheel Rotation from SLOW to FAST
12	Gobo Rotation	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
13	Gobo 2	0	0–13 Open (wheel slot 1) 14–27 Static Gobo 1 (wheel slot 2) 28–41 Static Gobo 2 (wheel slot 3) 42–55 Static Gobo 3 (wheel slot 4) 56–69 Static Gobo 4 (wheel slot 5) 70–83 Static Gobo 5 (wheel slot 6) 84–97 Static Gobo 6 (wheel slot 7) 98–111 Static Gobo 7 (wheel slot 8) 112–127 Shake Gobo 1 (wheel slot 2) 128–143 Shake Gobo 2 (wheel slot 3) 144–159 Shake Gobo 3 (wheel slot 4) 160–175 Shake Gobo 4 (wheel slot 5) 176–191 Shake Gobo 5 (wheel slot 6) 192–207 Shake Gobo 6 (wheel slot 7) 208–223 Shake Gobo 7 (wheel slot 8) 224–255 Clockwise Gobo Wheel Rotation from SLOW to FAST
14	Prism	0	0–63 Open (wheel slot 1) 64–127 3 Facet Prism (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
15	Prism Rotation	0	0–127 Min to Max 128–189 Clockwise Linear Prism Rotation from FAST to SLOW 190–193 NO Rotation 194–255 Counterclockwise Linear Prism Rotation from SLO…

Stand (continued)

Ch	Function	Default	DMX values
16	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
17	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
18	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Curve setting
19	Frost1	0	
20	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
21	Focus	0	0–254 Near 255–255 Far
22	Zoom	0	0–127 Narrow 128–254 Medium 255–255 Wide
23	Blade1A	0	0–254 Blade 1 Min 255–255 Blade 1 Max
24	Blade1Rot	127	
25	Blade2A	0	0–254 Blade 2 Min 255–255 Blade 2 Max
26	Blade2Rot	127	
27	Blade3A	0	0–254 Blade 3 Min 255–255 Blade 3 Max
28	Blade3Rot	127	
29	Blade4A	0	0–254 Blade 4 Min 255–255 Blade 4 Max
30	Blade4Rot	127	
31	Blade1Rot	127	
32	Shaper Macros Speed	0	

Stand (continued)

Ch	Function	Default	DMX values
33	Shaper Macros	0	0–14 Off 15–29 Blade Macro 1 30–44 Blade Macro 2 45–59 Blade Macro 3 60–74 Blade Macro 4 75–89 Blade Macro 5 90–104 Blade Macro 6 105–119 Blade Macro 7 120–134 Blade Macro 8 135–149 Blade Macro 9 150–164 Blade Macro 10 165–179 Blade Macro 11 180–194 Blade Macro 12 195–209 Blade Macro 13 210–224 Blade Macro 14 225–239 Blade Macro 15 240–255 Blade Macro 16
34	Position MSpeed	0	0–225 Max to Min speed 226–235 Blackout by Movement 236–245 Blackout by All Wheel Changing 246–255 No Function
35	Function	0	0–19 GOBO Change Normal 20–29 COLOR Change to Any Position 30–39 GOBO Change to Any Position 40–79 NO FUNCTION 80–84 ALL Motors Reset 85–87 SCAN Motor Reset 88–90 COLOR Motors Reset 91–93 GOBO Motors Reset 94–96 NO FUNCTION 97–99 OTHER Motors Reset 100–119 Internal Program 1 120–139 Internal Program 2 140–159 Internal Program 3 160–179 Internal Program 4 180–199 Internal Program 5 200–219 Internal Program 6 220–239 Internal Program 7 240–255 No Function

Extend

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	Color Add C	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
6	Color Add C Fine	0	Fine byte of Color Add C
7	Color Add M	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %

Extend (continued)

Ch	Function	Default	DMX values
8	Color Add M Fine	0	Fine byte of Color Add M
9	Color Add Y	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
10	Color Add Y Fine	0	Fine byte of Color Add Y
11	C TO	0	
12	C TO Fine	0	Fine byte of C TO
13	Color Macro1Rate	0	
14	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Blue (wheel slot 3) 48–63 Green (wheel slot 4) 64–79 Yellow (wheel slot 5) 80–95 Magenta (wheel slot 6) 96–111 Orange (wheel slot 7) 112–127 Light Blue (wheel slot 8) 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
15	Color Wheel Fine	0	Fine byte of Color Wheel
16	Gobo	0	0–9 Beam Open (wheel slot 1) 10–19 Rotating Gobo 1 (wheel slot 3) 20–29 Rotating Gobo 2 (wheel slot 4) 30–39 Rotating Gobo 3 (wheel slot 5) 40–49 Rotating Gobo 4 (wheel slot 6) 50–59 Rotating Gobo 5 (wheel slot 7) 60–69 Rotating Gobo 6 (wheel slot 8) 70–89 Rotating Gobo 1 Shake (wheel slot 3) 90–109 Rotating Gobo 2 Shake (wheel slot 4) 110–129 Rotating Gobo 3 Shake (wheel slot 5) 130–149 Rotating Gobo 4 Shake (wheel slot 6) 150–169 Rotating Gobo 5 Shake (wheel slot 7) 170–189 Rotating Gobo 6 Shake (wheel slot 8) 190–255 Clockwise Gobo Wheel Rotation from SLOW to FAST
17	Gobo Rotation	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
18	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
19	Gobo 2	0	0–13 Open (wheel slot 1) 14–27 Static Gobo 1 (wheel slot 2) 28–41 Static Gobo 2 (wheel slot 3) 42–55 Static Gobo 3 (wheel slot 4) 56–69 Static Gobo 4 (wheel slot 5) 70–83 Static Gobo 5 (wheel slot 6) 84–97 Static Gobo 6 (wheel slot 7) 98–111 Static Gobo 7 (wheel slot 8) 112–127 Shake Gobo 1 (wheel slot 2) 128–143 Shake Gobo 2 (wheel slot 3) 144–159 Shake Gobo 3 (wheel slot 4) 160–175 Shake Gobo 4 (wheel slot 5) 176–191 Shake Gobo 5 (wheel slot 6) 192–207 Shake Gobo 6 (wheel slot 7) 208–223 Shake Gobo 7 (wheel slot 8) 224–255 Clockwise Gobo Wheel Rotation from SLOW to FAST

Extend (continued)

Ch	Function	Default	DMX values
20	Prism	0	0–63 Open (wheel slot 1) 64–127 3 Facet Prism (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
21	Prism Rotation	0	0–127 Min to Max 128–189 Clockwise Linear Prism Rotation from FAST to SLOW 190–193 NO Rotation 194–255 Counterclockwise Linear Prism Rotation from SLO…
22	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
23	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
24	Dimmer Fine	0	Fine byte of Dimmer
25	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Curve setting
26	Frost1	0	
27	Iris	0	0–190 Max to Min Diameter 191–222 Pulse Opening Fast to Slow 223–255 Pulse Closing Slow to Fast
28	Iris Fine	0	Fine byte of Iris
29	Focus	0	0–254 Near 255–255 Far
30	Focus Fine	0	Fine byte of Focus
31	Zoom	0	0–127 Narrow 128–254 Medium 255–255 Wide
32	Zoom Fine	0	Fine byte of Zoom
33	Blade1A	0	0–254 Blade 1 Min 255–255 Blade 1 Max
34	Blade1A Fine	0	Fine byte of Blade1A

Extend (continued)

Ch	Function	Default	DMX values
35	Blade1Rot	127	
36	Blade1Rot Fine	127	Fine byte of Blade1Rot
37	Blade2A	0	0–254 Blade 2 Min 255–255 Blade 2 Max
38	Blade2A Fine	0	Fine byte of Blade2A
39	Blade2Rot	127	
40	Blade2Rot Fine	127	Fine byte of Blade2Rot
41	Blade3A	0	0–254 Blade 3 Min 255–255 Blade 3 Max
42	Blade3A Fine	0	Fine byte of Blade3A
43	Blade3Rot	127	
44	Blade3Rot Fine	127	Fine byte of Blade3Rot
45	Blade4A	0	0–254 Blade 4 Min 255–255 Blade 4 Max
46	Blade4A Fine	0	Fine byte of Blade4A
47	Blade4Rot	127	
48	Blade4Rot Fine	127	Fine byte of Blade4Rot
49	Blade1Rot	127	
50	Blade1Rot Fine	127	Fine byte of Blade1Rot
51	Shaper Macros Speed	0	
52	Shaper Macros	0	0–14 Off 15–29 Blade Macro 1 30–44 Blade Macro 2 45–59 Blade Macro 3 60–74 Blade Macro 4 75–89 Blade Macro 5 90–104 Blade Macro 6 105–119 Blade Macro 7 120–134 Blade Macro 8 135–149 Blade Macro 9 150–164 Blade Macro 10 165–179 Blade Macro 11 180–194 Blade Macro 12 195–209 Blade Macro 13 210–224 Blade Macro 14 225–239 Blade Macro 15 240–255 Blade Macro 16
53	Position MSpeed	0	0–225 Max to Min speed 226–235 Blackout by Movement 236–245 Blackout by All Wheel Changing 246–255 No Function

Extend (continued)

Ch	Function	Default	DMX values
54	Function	0	0–19 GOBO Change Normal 20–29 COLOR Change to Any Position 30–39 GOBO Change to Any Position 40–79 NO FUNCTION 80–84 ALL Motors Reset 85–87 SCAN Motor Reset 88–90 COLOR Motors Reset 91–93 GOBO Motors Reset 94–96 NO FUNCTION 97–99 OTHER Motors Reset 100–119 Internal Program 1 120–139 Internal Program 2 140–159 Internal Program 3 160–179 Internal Program 4 180–199 Internal Program 5 200–219 Internal Program 6 220–239 Internal Program 7 240–255 No Function