Elation

Proteus Excalibur



Manufacturer	**Elation**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**26 channels**
Beam angle	**0.8°**
Pan range	**630°**
Tilt range	**250°**
Size (W × H × D)	**338 × 489 × 292 mm**
GDTF fixture type	**F4A69445-A174-4F71-B694-CE…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset · Service functions · Strobe · Built-in effect programmes

DMX modes

Standard Pan540	26 ch
Standard Pan630	26 ch

Standard Pan540

26 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	Color Wheel	0	0–15 Open (wheel slot 1) 16–22 Red (wheel slot 2) 23–29 Green (wheel slot 3) 30–36 Yellow (wheel slot 4) 37–43 Purple (wheel slot 5) 44–50 Light Green (wheel slot 6) 51–57 Orange (wheel slot 7) 58–64 Magenta (wheel slot 8) 65–71 Cyan (wheel slot 9) 72–78 Open_ (wheel slot 10) 79–85 Deep Red (wheel slot 11) 86–92 Dark Amber (wheel slot 12) 93–99 Pink (wheel slot 13) 100–106 UV (wheel slot 14) 107–113 CTB (wheel slot 15) 114–120 CTO (wheel slot 16) 121–127 Medium Blue (wheel slot 17) 128–153 CW Fast 154–179 CW Med 180–180 CW Slow 181–181 Rot Stop 182–207 CCW Slow 208–233 CCW Med 234–234 CCW Fast 235–239 Random Slots Fast 240–244 Random Slots Med 245–254 Random Slots Slow 255–255 Open
9	Gobo	0	0–10 Beam Open (wheel slot 1) 11–21 Spot Open (wheel slot 1) 22–31 Gobo 1 (wheel slot 2) 32–41 Gobo 2 (wheel slot 3) 42–51 Gobo 3 (wheel slot 4) 52–61 Gobo 4 (wheel slot 5) 62–71 Gobo 5 (wheel slot 6) 72–81 Gobo 6 (wheel slot 7) 82–91 Gobo 7 (wheel slot 8) 92–101 Gobo 8 (wheel slot 9) 102–112 **Gobo 1** 113–123 **Gobo 2** 124–134 **Gobo 3** 135–145 **Gobo 4** 146–156 **Gobo 5** 157–167 **Gobo 6** 168–178 **Gobo 7** 179–189 **Gobo 8** 190–205 CW Fast 206–220 CW Med 221–221 CW Slow 222–223 Idle 224–238 CCW Slow 239–254 CCW Med 255–255 CCW Fast

Standard Pan540 (continued)

Ch	Function	Default	DMX values
10	Gobo Rotation	0	0–126 Index Min 127–127 Index Max 128–158 CW Fast 159–188 CW Med 189–189 CW Slow 190–193 Rot Stop 194–223 CCW Slow 224–254 CCW Med 255–255 CCW Fast
11	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
12	Gobo 2	0	0–4 Open (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 3 (wheel slot 4) 20–24 Gobo 4 (wheel slot 5) 25–29 Gobo 5 (wheel slot 6) 30–34 Gobo 6 (wheel slot 7) 35–39 Gobo 7 (wheel slot 8) 40–44 Gobo 8 (wheel slot 9) 45–49 Gobo 9 (wheel slot 10) 50–54 Gobo 10 (wheel slot 11) 55–59 Gobo 11 (wheel slot 12) 60–64 Gobo 12 (wheel slot 13) 65–69 Gobo 13 (wheel slot 14) 70–74 Gobo 14 (wheel slot 15) 75–79 Gobo 15 (wheel slot 16) 80–84 Gobo 16 (wheel slot 17) 85–87 Gobo 17 (wheel slot 18) 88–93 **Gobo 1** (wheel slot 2) 94–99 **Gobo 2** (wheel slot 3) 100–105 **Gobo 3** (wheel slot 4) 106–111 **Gobo 4** (wheel slot 5) 112–117 **Gobo 5** (wheel slot 6) 118–123 **Gobo 6** (wheel slot 7) 124–129 **Gobo 7** (wheel slot 8) 130–135 **Gobo 8** (wheel slot 9) 136–141 **Gobo 9** (wheel slot 10) 142–147 **Gobo 10** (wheel slot 11) 148–153 **Gobo 11** (wheel slot 12) 154–159 **Gobo 12** (wheel slot 13) 160–165 **Gobo 13** (wheel slot 14) 166–171 **Gobo 14** (wheel slot 15) 172–177 **Gobo 15** (wheel slot 16) 178–183 **Gobo 16** (wheel slot 17) 184–189 **Gobo 17** (wheel slot 18) 190–205 CW Fast 206–220 CW Med 221–221 CW Slow 222–223 Idle 224–238 CCW Slow 239–254 CCW Med 255–255 CCW Fast
13	Prism	0	0–50 Open (wheel slot 1) 51–100 Beam Expander 101–150 8 Facet Circular (wheel slot 2) 151–200 4 Facet Linear (wheel slot 3) 201–255 8 Facet + 4 Facet Prisms (wheel slot 4)

Standard Pan540 (continued)

Ch	Function	Default	DMX values
14	Prism Rotation	0	0–126 Min Index 127–127 Max Index 128–159 CW Fast 160–188 CW Med 189–189 CW Slow 190–193 Rot Stop 194–222 CCW Slow 223–254 CCW Med 255–255 CCW Fast
15	Prism Rotation Fine	0	Fine byte of Prism Rotation
16	Prism Rotation	0	0–126 Min Index 127–127 Max Index 128–159 CW Fast 160–188 CW Medium 189–189 CW Slow 190–193 Rot Stop 194–222 CCW Slow 223–254 CCW Medium 255–255 CCW Fast
17	Prism Rotation Fine	0	Fine byte of Prism Rotation
18	Focus	127	
19	Focus Fine	255	Fine byte of Focus
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 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
22	Dimmer Fine	0	Fine byte of Dimmer
23	Frost1	0	0–254 Open 255–255 Light Frost
24	Frost2	0	0–254 Open 255–255 Wash Frost
25	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout By Movement 236–255 Blackout By All Wheel Movement

Standard Pan540 (continued)

Ch	Function	Default	DMX values
26	Control1	0	0–19 Color Change Normal 20–39 Color Change Idle 40–49 Lamp On 50–59 Lamp Off 60–66 Lamp Power 370W 67–73 Lamp Power 430W 74–79 Lamp Power 560W 80–84 All Motor Reset 85–87 Pan / Tilt Reset 88–90 Color Mix Reset 91–93 Gobo System Reset 94–96 Shutter / Dimmer Reset 97–99 Other Motor Reset 100–164 Idle 165–166 CMY Normal 167–168 CMY Fast(default) 169–170 Vent Cleaning On 171–172 Vent Cleaning Off 173–174 Hibernation Off 175–176 Hibernation 177–178 Home Pos Before Power Off 179–180 Home Position Off 181–190 Pan / Tilt Smooth 191–200 Pan / Tilt Fast 201–210 Dimmer Curve Linear 211–220 Dimmer Curve Square 221–230 Dimmer Curve Inverse Square 231–240 Dimmer Curve S-Curve 241–241 Internal Program 1 242–242 Internal Program 2 243–243 Internal Program 3 244–244 Internal Program 4 245–245 Internal Program 5 246–246 Internal Program 6 247–247 Internal Program 7 248–249 Idle 250–251 Display Off 252–253 Display On 254–255 Idle

Standard Pan630

26 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	

Standard Pan630 (continued)

Ch	Function	Default	DMX values
8	Color Wheel	0	0–15 Open (wheel slot 1) 16–22 Red (wheel slot 2) 23–29 Green (wheel slot 3) 30–36 Yellow (wheel slot 4) 37–43 Purple (wheel slot 5) 44–50 Light Green (wheel slot 6) 51–57 Orange (wheel slot 7) 58–64 Magenta (wheel slot 8) 65–71 Cyan (wheel slot 9) 72–78 Open_ (wheel slot 10) 79–85 Deep Red (wheel slot 11) 86–92 Dark Amber (wheel slot 12) 93–99 Pink (wheel slot 13) 100–106 UV (wheel slot 14) 107–113 CTB (wheel slot 15) 114–120 CTO (wheel slot 16) 121–127 Medium Blue (wheel slot 17) 128–153 CW Fast 154–179 CW Med 180–180 CW Slow 181–181 Rot Stop 182–207 CCW Slow 208–233 CCW Med 234–234 CCW Fast 235–239 Random Slots Fast 240–244 Random Slots Med 245–254 Random Slots Slow 255–255 Open
9	Gobo	0	0–10 Beam Open (wheel slot 1) 11–21 Spot Open (wheel slot 1) 22–31 Gobo 1 (wheel slot 2) 32–41 Gobo 2 (wheel slot 3) 42–51 Gobo 3 (wheel slot 4) 52–61 Gobo 4 (wheel slot 5) 62–71 Gobo 5 (wheel slot 6) 72–81 Gobo 6 (wheel slot 7) 82–91 Gobo 7 (wheel slot 8) 92–101 Gobo 8 (wheel slot 9) 102–112 **Gobo 1** 113–123 **Gobo 2** 124–134 **Gobo 3** 135–145 **Gobo 4** 146–156 **Gobo 5** 157–167 **Gobo 6** 168–178 **Gobo 7** 179–189 **Gobo 8** 190–205 CW Fast 206–220 CW Med 221–221 CW Slow 222–223 Idle 224–238 CCW Slow 239–254 CCW Med 255–255 CCW Fast
10	Gobo Rotation	0	0–126 Index Min 127–127 Index Max 128–158 CW Fast 159–188 CW Med 189–189 CW Slow 190–193 Rot Stop 194–223 CCW Slow 224–254 CCW Med 255–255 CCW Fast

Standard Pan630 (continued)

Ch	Function	Default	DMX values
11	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
12	Gobo 2	0	0–4 Open (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 3 (wheel slot 4) 20–24 Gobo 4 (wheel slot 5) 25–29 Gobo 5 (wheel slot 6) 30–34 Gobo 6 (wheel slot 7) 35–39 Gobo 7 (wheel slot 8) 40–44 Gobo 8 (wheel slot 9) 45–49 Gobo 9 (wheel slot 10) 50–54 Gobo 10 (wheel slot 11) 55–59 Gobo 11 (wheel slot 12) 60–64 Gobo 12 (wheel slot 13) 65–69 Gobo 13 (wheel slot 14) 70–74 Gobo 14 (wheel slot 15) 75–79 Gobo 15 (wheel slot 16) 80–84 Gobo 16 (wheel slot 17) 85–87 Gobo 17 (wheel slot 18) 88–93 **Gobo 1** (wheel slot 2) 94–99 **Gobo 2** (wheel slot 3) 100–105 **Gobo 3** (wheel slot 4) 106–111 **Gobo 4** (wheel slot 5) 112–117 **Gobo 5** (wheel slot 6) 118–123 **Gobo 6** (wheel slot 7) 124–129 **Gobo 7** (wheel slot 8) 130–135 **Gobo 8** (wheel slot 9) 136–141 **Gobo 9** (wheel slot 10) 142–147 **Gobo 10** (wheel slot 11) 148–153 **Gobo 11** (wheel slot 12) 154–159 **Gobo 12** (wheel slot 13) 160–165 **Gobo 13** (wheel slot 14) 166–171 **Gobo 14** (wheel slot 15) 172–177 **Gobo 15** (wheel slot 16) 178–183 **Gobo 16** (wheel slot 17) 184–189 **Gobo 17** (wheel slot 18) 190–205 CW Fast 206–220 CW Med 221–221 CW Slow 222–223 Idle 224–238 CCW Slow 239–254 CCW Med 255–255 CCW Fast
13	Prism	0	0–50 Open (wheel slot 1) 51–100 Beam Expander 101–150 8 Facet Circular (wheel slot 2) 151–200 4 Facet Linear (wheel slot 3) 201–255 8 Facet + 4 Facet Prisms (wheel slot 4)
14	Prism Rotation	0	0–126 Min Index 127–127 Max Index 128–159 CW Fast 160–188 CW Med 189–189 CW Slow 190–193 Rot Stop 194–222 CCW Slow 223–254 CCW Med 255–255 CCW Fast
15	Prism Rotation Fine	0	Fine byte of Prism Rotation

Standard Pan630 (continued)

Ch	Function	Default	DMX values
16	Prism Rotation	0	0–126 Min Index 127–127 Max Index 128–159 CW Fast 160–188 CW Medium 189–189 CW Slow 190–193 Rot Stop 194–222 CCW Slow 223–254 CCW Medium 255–255 CCW Fast
17	Prism Rotation Fine	0	Fine byte of Prism Rotation
18	Focus	127	
19	Focus Fine	255	Fine byte of Focus
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 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
22	Dimmer Fine	0	Fine byte of Dimmer
23	Frost1	0	0–254 Open 255–255 Light Frost
24	Frost2	0	0–254 Open 255–255 Wash Frost
25	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout By Movement 236–255 Blackout By All Wheel Movement

Standard Pan630 (continued)

Ch	Function	Default	DMX values
26	Control1	0	0–19 Color Change Normal 20–39 Color Change Idle 40–49 Lamp On 50–59 Lamp Off 60–66 Lamp Power 370W 67–73 Lamp Power 430W 74–79 Lamp Power 560W 80–84 All Motor Reset 85–87 Pan / Tilt Reset 88–90 Color Mix Reset 91–93 Gobo System Reset 94–96 Shutter / Dimmer Reset 97–99 Other Motor Reset 100–164 Idle 165–166 CMY Normal 167–168 CMY Fast(default) 169–170 Vent Cleaning On 171–172 Vent Cleaning Off 173–174 Hibernation Off 175–176 Hibernation 177–178 Home Pos Before Power Off 179–180 Home Position Off 181–190 Pan / Tilt Smooth 191–200 Pan / Tilt Fast 201–210 Dimmer Curve Linear 211–220 Dimmer Curve Square 221–230 Dimmer Curve Inverse Square 231–240 Dimmer Curve S-Curve 241–241 Internal Program 1 242–242 Internal Program 2 243–243 Internal Program 3 244–244 Internal Program 4 245–245 Internal Program 5 246–246 Internal Program 6 247–247 Internal Program 7 248–249 Idle 250–251 Display Off 252–253 Display On 254–255 Idle