Elation

Proteus Hybrid Max OPS



Manufacturer	**Elation**
Type	**Profile spot**
DMX modes	**4**
DMX footprint	**32, 43 channels**
Beam angle	**1.8-45°**
Pan range	**540°**
Tilt range	**253°**
Size (W × H × D)	**340 × 470 × 300 mm**
GDTF fixture type	**75C2690D-A483-4A0D-B249-3E…**

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

Service functions · Strobe

DMX modes

Standard Pan360	32 ch
Standard Pan540	32 ch
Extended Pan360	43 ch
Extended Pan540	43 ch

Standard Pan360

32 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	Pan Rotate	0	0–2 Disable 3–126 Rotating CW Fast to Slow 127–129 No rotation (Fixture stops at its current position) 130–253 Rotating CCW Fast to Slow 254–255 No rotation (Fixture stops at its current position)
6	Cyan	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
7	Magenta	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
8	Yellow	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
9	C TO	0	

Standard Pan360 (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–15 Open (wheel slot 1) 16–17 White/Red Split (wheel slot 1) 18–19 Red (wheel slot 2) 20–21 Red/Green Split (wheel slot 2) 22–23 Green (wheel slot 3) 24–25 Green/Yellow Split (wheel slot 3) 26–27 Yellow (wheel slot 4) 28–29 Yellow/PurpleSplit (wheel slot 4) 30–31 Purple (wheel slot 5) 32–33 Purple/Cyan Split (wheel slot 5) 34–35 Cyan (wheel slot 6) 36–37 Cyan/Orange Split (wheel slot 6) 38–39 Orange (wheel slot 7) 40–41 Orange/Magenta Split (wheel slot 7) 42–43 Magenta (wheel slot 8) 44–45 Magenta/Light Green Split (wheel slot 8) 46–47 Light Green (wheel slot 9) 48–49 Light Green/Pink Split (wheel slot 9) 50–51 Pink (wheel slot 10) 52–53 Pink/UV Split (wheel slot 10) 54–55 UV (wheel slot 11) 56–57 UV/CTB Split (wheel slot 11) 58–59 CTB (wheel slot 12) 60–61 CTB/CTOSplit (wheel slot 12) 62–63 CTO (wheel slot 13) 64–65 CTO/HighCRI Split (wheel slot 13) 66–67 HighCRI (wheel slot 14) 68–69 HighCRI/Dark Amber Split (wheel slot 14) 70–71 Dark Amber (wheel slot 15) 72–73 Dark Amber/Deep Red Split (wheel slot 15) 74–75 Deep Red (wheel slot 16) 76–77 Deep Red/Blue Split (wheel slot 16) 78–79 Blue (wheel slot 17) 80–81 Blue/White Split (wheel slot 17) 82–127 Open (wheel slot 1) 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
11	Gobo	0	0–10 Beam Open (wheel slot 1) 11–21 Spot Open (wheel slot 2) 22–31 Gobo 1 (wheel slot 3) 32–41 Gobo 2 (wheel slot 4) 42–51 Gobo 3 (wheel slot 5) 52–61 Gobo 4 (wheel slot 6) 62–71 Gobo 5 (wheel slot 7) 72–81 Gobo 6 (wheel slot 8) 82–91 Gobo 7 (wheel slot 9) 92–101 Gobo 8 (wheel slot 10) 102–112 Gobo 1 (wheel slot 3) 113–123 Gobo 2 (wheel slot 4) 124–134 Gobo 3 (wheel slot 5) 135–145 Gobo 4 (wheel slot 6) 146–156 Gobo 5 (wheel slot 7) 157–167 Gobo 6 (wheel slot 8) 168–178 Gobo 7 (wheel slot 9) 179–189 Gobo 8 (wheel slot 10) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast

Standard Pan360 (continued)

Ch	Function	Default	DMX values
12	Gobo Rotation	0	0–126 Index Min 127–224 CW Fast to Slow 225–254 Stop 255–255 CCW Slow to Fast
13	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
14	Gobo 2	0	0–13 Open (wheel slot 1) 14–18 Gobo 1 (wheel slot 2) 19–23 Gobo 2 (wheel slot 3) 24–28 Gobo 3 (wheel slot 4) 29–33 Gobo 4 (wheel slot 5) 34–38 Gobo 5 (wheel slot 6) 39–43 Gobo 6 (wheel slot 7) 44–48 Gobo 7 (wheel slot 8) 49–53 Gobo 8 (wheel slot 9) 54–58 Gobo 9 (wheel slot 10) 59–63 Gobo 10 (wheel slot 11) 64–68 Gobo 11 (wheel slot 12) 69–73 Gobo 12 (wheel slot 13) 74–78 Gobo 13 (wheel slot 14) 79–83 Gobo 14 (wheel slot 15) 84–88 Gobo 15 (wheel slot 16) 89–93 Gobo 16 (wheel slot 17) 94–99 Gobo 1 (wheel slot 2) 100–105 Gobo 2 (wheel slot 3) 106–111 Gobo 3 (wheel slot 4) 112–117 Gobo 4 (wheel slot 5) 118–123 Gobo 5 (wheel slot 6) 124–129 Gobo 6 (wheel slot 7) 130–135 Gobo 7 (wheel slot 8) 136–141 Gobo 8 (wheel slot 9) 142–147 Gobo 9 (wheel slot 10) 148–153 Gobo 10 (wheel slot 11) 154–159 Gobo 11 (wheel slot 12) 160–165 Gobo 12 (wheel slot 13) 166–171 Gobo 13 (wheel slot 14) 172–177 Gobo 14 (wheel slot 15) 178–183 Gobo 15 (wheel slot 16) 184–189 Gobo 16 (wheel slot 17) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
15	Animation Wheel1	0	0–0 Open 1–127 Open to Dots 128–255 Dots to Lines
16	Animation Wheel1Pos	0	0–127 Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
17	Animation Wheel2	0	0–127 Open 128–255 Waves
18	Animation Wheel2Pos	0	0–127 Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
19	Prism	0	0–63 Open (wheel slot 1) 64–95 8 Facet prism (wheel slot 2) 96–127 6 Facet Linear (wheel slot 3) 128–255 Open (wheel slot 1)

Standard Pan360 (continued)

Ch	Function	Default	DMX values
20	Prism Rotation	0	0–127 Index Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
21	Prism	0	0–63 Open (wheel slot 1) 64–95 16 Facet prism (wheel slot 4) 96–127 4 Facet Linear (wheel slot 5) 128–255 Open (wheel slot 1)
22	Prism Rotation	0	0–127 Index Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
23	Focus	0	
24	Focus Fine	0	Fine byte of Focus
25	Zoom	127	
26	Zoom Fine	255	Fine byte of Zoom
27	Shutter / Strobe	63	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)
28	Dimmer	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
29	Dimmer Fine	0	Fine byte of Dimmer
30	Iris	0	0–191 Open to Close 192–223 Pulse Closing fast to slow 224–255 Pulse Opening slow to fast
31	Frost1	0	

Standard Pan360 (continued)

Ch	Function	Default	DMX values
32	Control1	0	0–10 Idle 11–12 Pan Shortest Path 13–14 Pan Continue Path 15–16 Pan Range 540 (default) 17–18 Pan Range 360 19–20 Pan Range 360 short 21–39 Idle 40–49 On 50–59 Off 60–66 Power 370W 67–73 Power 430W 74–79 Power 560W 80–84 Fixture 85–87 Pan Tilt 88–90 Color 91–93 Gobo 94–96 Dimmer 97–99 Other Features 100–164 Idle 165–166 CMY Smooth 167–168 CMY Fast 169–170 Vent Cleaning On 171–172 Vent Cleaning Off 173–174 Hibernation Off 175–176 Hibernation 177–178 Sun Protection On 179–180 Sun Protection Off 181–190 Pan Tilt Smooth 191–200 Pan Tilt Fast 201–210 Dimming Linear 211–220 Dimming Square 221–230 Dimming Inverse Square 231–240 Dimming S-Curve 241–249 Idle 250–251 Display OFF 252–253 Display ON 254–255 Idle

Standard Pan540

32 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	Pan Rotate	0	0–2 Disable 3–126 Rotating CW Fast to Slow 127–129 No rotation (Fixture stops at its current position) 130–253 Rotating CCW Fast to Slow 254–255 No rotation (Fixture stops at its current position)
6	Cyan	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %

Standard Pan540 (continued)

Ch	Function	Default	DMX values
7	Magenta	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
8	Yellow	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
9	C TO	0	
10	Color Wheel	0	0–15 Open (wheel slot 1) 16–17 White/Red Split (wheel slot 1) 18–19 Red (wheel slot 2) 20–21 Red/Green Split (wheel slot 2) 22–23 Green (wheel slot 3) 24–25 Green/Yellow Split (wheel slot 3) 26–27 Yellow (wheel slot 4) 28–29 Yellow/PurpleSplit (wheel slot 4) 30–31 Purple (wheel slot 5) 32–33 Purple/Cyan Split (wheel slot 5) 34–35 Cyan (wheel slot 6) 36–37 Cyan/Orange Split (wheel slot 6) 38–39 Orange (wheel slot 7) 40–41 Orange/Magenta Split (wheel slot 7) 42–43 Magenta (wheel slot 8) 44–45 Magenta/Light Green Split (wheel slot 8) 46–47 Light Green (wheel slot 9) 48–49 Light Green/Pink Split (wheel slot 9) 50–51 Pink (wheel slot 10) 52–53 Pink/UV Split (wheel slot 10) 54–55 UV (wheel slot 11) 56–57 UV/CTB Split (wheel slot 11) 58–59 CTB (wheel slot 12) 60–61 CTB/CTOSplit (wheel slot 12) 62–63 CTO (wheel slot 13) 64–65 CTO/HighCRI Split (wheel slot 13) 66–67 HighCRI (wheel slot 14) 68–69 HighCRI/Dark Amber Split (wheel slot 14) 70–71 Dark Amber (wheel slot 15) 72–73 Dark Amber/Deep Red Split (wheel slot 15) 74–75 Deep Red (wheel slot 16) 76–77 Deep Red/Blue Split (wheel slot 16) 78–79 Blue (wheel slot 17) 80–81 Blue/White Split (wheel slot 17) 82–127 Open (wheel slot 1) 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast

Standard Pan540 (continued)

Ch	Function	Default	DMX values
11	Gobo	0	0–10 Beam Open (wheel slot 1) 11–21 Spot Open (wheel slot 2) 22–31 Gobo 1 (wheel slot 3) 32–41 Gobo 2 (wheel slot 4) 42–51 Gobo 3 (wheel slot 5) 52–61 Gobo 4 (wheel slot 6) 62–71 Gobo 5 (wheel slot 7) 72–81 Gobo 6 (wheel slot 8) 82–91 Gobo 7 (wheel slot 9) 92–101 Gobo 8 (wheel slot 10) 102–112 Gobo 1 (wheel slot 3) 113–123 Gobo 2 (wheel slot 4) 124–134 Gobo 3 (wheel slot 5) 135–145 Gobo 4 (wheel slot 6) 146–156 Gobo 5 (wheel slot 7) 157–167 Gobo 6 (wheel slot 8) 168–178 Gobo 7 (wheel slot 9) 179–189 Gobo 8 (wheel slot 10) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
12	Gobo Rotation	0	0–126 Index Min 127–224 CW Fast to Slow 225–254 Stop 255–255 CCW Slow to Fast
13	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
14	Gobo 2	0	0–13 Open (wheel slot 1) 14–18 Gobo 1 (wheel slot 2) 19–23 Gobo 2 (wheel slot 3) 24–28 Gobo 3 (wheel slot 4) 29–33 Gobo 4 (wheel slot 5) 34–38 Gobo 5 (wheel slot 6) 39–43 Gobo 6 (wheel slot 7) 44–48 Gobo 7 (wheel slot 8) 49–53 Gobo 8 (wheel slot 9) 54–58 Gobo 9 (wheel slot 10) 59–63 Gobo 10 (wheel slot 11) 64–68 Gobo 11 (wheel slot 12) 69–73 Gobo 12 (wheel slot 13) 74–78 Gobo 13 (wheel slot 14) 79–83 Gobo 14 (wheel slot 15) 84–88 Gobo 15 (wheel slot 16) 89–93 Gobo 16 (wheel slot 17) 94–99 Gobo 1 (wheel slot 2) 100–105 Gobo 2 (wheel slot 3) 106–111 Gobo 3 (wheel slot 4) 112–117 Gobo 4 (wheel slot 5) 118–123 Gobo 5 (wheel slot 6) 124–129 Gobo 6 (wheel slot 7) 130–135 Gobo 7 (wheel slot 8) 136–141 Gobo 8 (wheel slot 9) 142–147 Gobo 9 (wheel slot 10) 148–153 Gobo 10 (wheel slot 11) 154–159 Gobo 11 (wheel slot 12) 160–165 Gobo 12 (wheel slot 13) 166–171 Gobo 13 (wheel slot 14) 172–177 Gobo 14 (wheel slot 15) 178–183 Gobo 15 (wheel slot 16) 184–189 Gobo 16 (wheel slot 17) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast

Standard Pan540 (continued)

Ch	Function	Default	DMX values
15	Animation Wheel1	0	0–0 Open 1–127 Open to Dots 128–255 Dots to Lines
16	Animation Wheel1Pos	0	0–127 Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
17	Animation Wheel2	0	0–127 Open 128–255 Waves
18	Animation Wheel2Pos	0	0–127 Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
19	Prism	0	0–63 Open (wheel slot 1) 64–95 8 Facet prism (wheel slot 2) 96–127 6 Facet Linear (wheel slot 3) 128–255 Open (wheel slot 1)
20	Prism Rotation	0	0–127 Index Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
21	Prism	0	0–63 Open (wheel slot 1) 64–95 16 Facet prism (wheel slot 4) 96–127 4 Facet Linear (wheel slot 5) 128–255 Open (wheel slot 1)
22	Prism Rotation	0	0–127 Index Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
23	Focus	0	
24	Focus Fine	0	Fine byte of Focus
25	Zoom	127	
26	Zoom Fine	255	Fine byte of Zoom
27	Shutter / Strobe	63	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)
28	Dimmer	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
29	Dimmer Fine	0	Fine byte of Dimmer
30	Iris	0	0–191 Open to Close 192–223 Pulse Closing fast to slow 224–255 Pulse Opening slow to fast
31	Frost1	0	

Standard Pan540 (continued)

Ch	Function	Default	DMX values
32	Control1	0	0–10 Idle 11–12 Pan Shortest Path 13–14 Pan Continue Path 15–16 Pan Range 540 (default) 17–18 Pan Range 360 19–20 Pan Range 360 short 21–39 Idle 40–49 On 50–59 Off 60–66 Power 370W 67–73 Power 430W 74–79 Power 560W 80–84 Fixture 85–87 Pan Tilt 88–90 Color 91–93 Gobo 94–96 Dimmer 97–99 Other Features 100–164 Idle 165–166 CMY Smooth 167–168 CMY Fast 169–170 Vent Cleaning On 171–172 Vent Cleaning Off 173–174 Hibernation Off 175–176 Hibernation 177–178 Sun Protection On 179–180 Sun Protection Off 181–190 Pan Tilt Smooth 191–200 Pan Tilt Fast 201–210 Dimming Linear 211–220 Dimming Square 221–230 Dimming Inverse Square 231–240 Dimming S-Curve 241–249 Idle 250–251 Display OFF 252–253 Display ON 254–255 Idle

Extended Pan360

43 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	Pan Rotate	0	0–2 Disable 3–126 Rotating CW Fast to Slow 127–129 No rotation (Fixture stops at its current position) 130–253 Rotating CCW Fast to Slow 254–255 No rotation (Fixture stops at its current position)
6	Cyan	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
7	Cyan Fine	0	Fine byte of Cyan

Extended Pan360 (continued)

Ch	Function	Default	DMX values
8	Magenta	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
9	Magenta Fine	0	Fine byte of Magenta
10	Yellow	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
11	Yellow Fine	0	Fine byte of Yellow
12	C TO	0	
13	C TO Fine	0	Fine byte of C TO
14	Color Wheel	0	0–15 Open (wheel slot 1) 16–17 White/Red Split (wheel slot 1) 18–19 Red (wheel slot 2) 20–21 Red/Green Split (wheel slot 2) 22–23 Green (wheel slot 3) 24–25 Green/Yellow Split (wheel slot 3) 26–27 Yellow (wheel slot 4) 28–29 Yellow/PurpleSplit (wheel slot 4) 30–31 Purple (wheel slot 5) 32–33 Purple/Cyan Split (wheel slot 5) 34–35 Cyan (wheel slot 6) 36–37 Cyan/Orange Split (wheel slot 6) 38–39 Orange (wheel slot 7) 40–41 Orange/Magenta Split (wheel slot 7) 42–43 Magenta (wheel slot 8) 44–45 Magenta/Light Green Split (wheel slot 8) 46–47 Light Green (wheel slot 9) 48–49 Light Green/Pink Split (wheel slot 9) 50–51 Pink (wheel slot 10) 52–53 Pink/UV Split (wheel slot 10) 54–55 UV (wheel slot 11) 56–57 UV/CTB Split (wheel slot 11) 58–59 CTB (wheel slot 12) 60–61 CTB/CTOSplit (wheel slot 12) 62–63 CTO (wheel slot 13) 64–65 CTO/HighCRI Split (wheel slot 13) 66–67 HighCRI (wheel slot 14) 68–69 HighCRI/Dark Amber Split (wheel slot 14) 70–71 Dark Amber (wheel slot 15) 72–73 Dark Amber/Deep Red Split (wheel slot 15) 74–75 Deep Red (wheel slot 16) 76–77 Deep Red/Blue Split (wheel slot 16) 78–79 Blue (wheel slot 17) 80–81 Blue/White Split (wheel slot 17) 82–127 Open (wheel slot 1) 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

Extended Pan360 (continued)

Ch	Function	Default	DMX values
16	Gobo	0	0–10 Beam Open (wheel slot 1) 11–21 Spot Open (wheel slot 2) 22–31 Gobo 1 (wheel slot 3) 32–41 Gobo 2 (wheel slot 4) 42–51 Gobo 3 (wheel slot 5) 52–61 Gobo 4 (wheel slot 6) 62–71 Gobo 5 (wheel slot 7) 72–81 Gobo 6 (wheel slot 8) 82–91 Gobo 7 (wheel slot 9) 92–101 Gobo 8 (wheel slot 10) 102–112 Gobo 1 (wheel slot 3) 113–123 Gobo 2 (wheel slot 4) 124–134 Gobo 3 (wheel slot 5) 135–145 Gobo 4 (wheel slot 6) 146–156 Gobo 5 (wheel slot 7) 157–167 Gobo 6 (wheel slot 8) 168–178 Gobo 7 (wheel slot 9) 179–189 Gobo 8 (wheel slot 10) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
17	Gobo Rotation	0	0–126 Index Min 127–224 CW Fast to Slow 225–254 Stop 255–255 CCW Slow to Fast
18	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
19	Gobo 2	0	0–13 Open (wheel slot 1) 14–18 Gobo 1 (wheel slot 2) 19–23 Gobo 2 (wheel slot 3) 24–28 Gobo 3 (wheel slot 4) 29–33 Gobo 4 (wheel slot 5) 34–38 Gobo 5 (wheel slot 6) 39–43 Gobo 6 (wheel slot 7) 44–48 Gobo 7 (wheel slot 8) 49–53 Gobo 8 (wheel slot 9) 54–58 Gobo 9 (wheel slot 10) 59–63 Gobo 10 (wheel slot 11) 64–68 Gobo 11 (wheel slot 12) 69–73 Gobo 12 (wheel slot 13) 74–78 Gobo 13 (wheel slot 14) 79–83 Gobo 14 (wheel slot 15) 84–88 Gobo 15 (wheel slot 16) 89–93 Gobo 16 (wheel slot 17) 94–99 Gobo 1 (wheel slot 2) 100–105 Gobo 2 (wheel slot 3) 106–111 Gobo 3 (wheel slot 4) 112–117 Gobo 4 (wheel slot 5) 118–123 Gobo 5 (wheel slot 6) 124–129 Gobo 6 (wheel slot 7) 130–135 Gobo 7 (wheel slot 8) 136–141 Gobo 8 (wheel slot 9) 142–147 Gobo 9 (wheel slot 10) 148–153 Gobo 10 (wheel slot 11) 154–159 Gobo 11 (wheel slot 12) 160–165 Gobo 12 (wheel slot 13) 166–171 Gobo 13 (wheel slot 14) 172–177 Gobo 14 (wheel slot 15) 178–183 Gobo 15 (wheel slot 16) 184–189 Gobo 16 (wheel slot 17) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast

Extended Pan360 (continued)

Ch	Function	Default	DMX values
20	Gobo 2 Fine	0	Fine byte of Gobo 2
21	Animation Wheel1	0	0–0 Open 1–127 Open to Dots 128–255 Dots to Lines
22	Animation Wheel1Pos	0	0–127 Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
23	Animation Wheel2	0	0–127 Open 128–255 Waves
24	Animation Wheel2Pos	0	0–127 Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
25	Prism	0	0–63 Open (wheel slot 1) 64–95 8 Facet prism (wheel slot 2) 96–127 6 Facet Linear (wheel slot 3) 128–255 Open (wheel slot 1)
26	Prism Rotation	0	0–127 Index Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
27	Prism Rotation Fine	0	Fine byte of Prism Rotation
28	Prism	0	0–63 Open (wheel slot 1) 64–95 16 Facet prism (wheel slot 4) 96–127 4 Facet Linear (wheel slot 5) 128–255 Open (wheel slot 1)
29	Prism Rotation	0	0–127 Index Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
30	Prism Rotation Fine	0	Fine byte of Prism Rotation
31	Focus	0	
32	Focus Fine	0	Fine byte of Focus
33	Zoom	127	
34	Zoom Fine	255	Fine byte of Zoom
35	Focus1Adjust	0	0–50 Auto Focus Off 51–100 5-15m 101–150 15-150m 151–255 Idle
36	Focus1Adjust Fine	0	Fine byte of Focus1Adjust
37	Shutter / Strobe	63	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)
38	Dimmer	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
39	Dimmer Fine	0	Fine byte of Dimmer

Extended Pan360 (continued)

Ch	Function	Default	DMX values
40	Iris	0	0–191 Open to Close 192–223 Pulse Closing fast to slow 224–255 Pulse Opening slow to fast
41	Frost1	0	
42	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout By Movement 236–245 Blackout by wheel changes 246–255 Function
43	Control1	0	0–10 Idle 11–12 Pan Shortest Path 13–14 Pan Continue Path 15–16 Pan Range 540 (default) 17–18 Pan Range 360 19–20 Pan Range 360 short 21–39 Idle 40–49 On 50–59 Off 60–66 Power 370W 67–73 Power 430W 74–79 Power 560W 80–84 Fixture 85–87 Pan Tilt 88–90 Color 91–93 Gobo 94–96 Dimmer 97–99 Other Features 100–164 Idle 165–166 CMY Smooth 167–168 CMY Fast 169–170 Vent Cleaning On 171–172 Vent Cleaning Off 173–174 Hibernation Off 175–176 Hibernation 177–178 Sun Protection On 179–180 Sun Protection Off 181–190 Pan Tilt Smooth 191–200 Pan Tilt Fast 201–210 Dimming Linear 211–220 Dimming Square 221–230 Dimming Inverse Square 231–240 Dimming S-Curve 241–249 Idle 250–251 Display OFF 252–253 Display ON 254–255 Idle

Extended Pan540

43 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	Pan Rotate	0	0–2 Disable 3–126 Rotating CW Fast to Slow 127–129 No rotation (Fixture stops at its current position) 130–253 Rotating CCW Fast to Slow 254–255 No rotation (Fixture stops at its current position)

Extended Pan540 (continued)

Ch	Function	Default	DMX values
6	Cyan	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
7	Cyan Fine	0	Fine byte of Cyan
8	Magenta	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
9	Magenta Fine	0	Fine byte of Magenta
10	Yellow	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
11	Yellow Fine	0	Fine byte of Yellow
12	C TO	0	
13	C TO Fine	0	Fine byte of C TO
14	Color Wheel	0	0–15 Open (wheel slot 1) 16–17 White/Red Split (wheel slot 1) 18–19 Red (wheel slot 2) 20–21 Red/Green Split (wheel slot 2) 22–23 Green (wheel slot 3) 24–25 Green/Yellow Split (wheel slot 3) 26–27 Yellow (wheel slot 4) 28–29 Yellow/PurpleSplit (wheel slot 4) 30–31 Purple (wheel slot 5) 32–33 Purple/Cyan Split (wheel slot 5) 34–35 Cyan (wheel slot 6) 36–37 Cyan/Orange Split (wheel slot 6) 38–39 Orange (wheel slot 7) 40–41 Orange/Magenta Split (wheel slot 7) 42–43 Magenta (wheel slot 8) 44–45 Magenta/Light Green Split (wheel slot 8) 46–47 Light Green (wheel slot 9) 48–49 Light Green/Pink Split (wheel slot 9) 50–51 Pink (wheel slot 10) 52–53 Pink/UV Split (wheel slot 10) 54–55 UV (wheel slot 11) 56–57 UV/CTB Split (wheel slot 11) 58–59 CTB (wheel slot 12) 60–61 CTB/CTOSplit (wheel slot 12) 62–63 CTO (wheel slot 13) 64–65 CTO/HighCRI Split (wheel slot 13) 66–67 HighCRI (wheel slot 14) 68–69 HighCRI/Dark Amber Split (wheel slot 14) 70–71 Dark Amber (wheel slot 15) 72–73 Dark Amber/Deep Red Split (wheel slot 15) 74–75 Deep Red (wheel slot 16) 76–77 Deep Red/Blue Split (wheel slot 16) 78–79 Blue (wheel slot 17) 80–81 Blue/White Split (wheel slot 17) 82–127 Open (wheel slot 1) 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

Extended Pan540 (continued)

Ch	Function	Default	DMX values
16	Gobo	0	0–10 Beam Open (wheel slot 1) 11–21 Spot Open (wheel slot 2) 22–31 Gobo 1 (wheel slot 3) 32–41 Gobo 2 (wheel slot 4) 42–51 Gobo 3 (wheel slot 5) 52–61 Gobo 4 (wheel slot 6) 62–71 Gobo 5 (wheel slot 7) 72–81 Gobo 6 (wheel slot 8) 82–91 Gobo 7 (wheel slot 9) 92–101 Gobo 8 (wheel slot 10) 102–112 Gobo 1 (wheel slot 3) 113–123 Gobo 2 (wheel slot 4) 124–134 Gobo 3 (wheel slot 5) 135–145 Gobo 4 (wheel slot 6) 146–156 Gobo 5 (wheel slot 7) 157–167 Gobo 6 (wheel slot 8) 168–178 Gobo 7 (wheel slot 9) 179–189 Gobo 8 (wheel slot 10) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
17	Gobo Rotation	0	0–126 Index Min 127–224 CW Fast to Slow 225–254 Stop 255–255 CCW Slow to Fast
18	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
19	Gobo 2	0	0–13 Open (wheel slot 1) 14–18 Gobo 1 (wheel slot 2) 19–23 Gobo 2 (wheel slot 3) 24–28 Gobo 3 (wheel slot 4) 29–33 Gobo 4 (wheel slot 5) 34–38 Gobo 5 (wheel slot 6) 39–43 Gobo 6 (wheel slot 7) 44–48 Gobo 7 (wheel slot 8) 49–53 Gobo 8 (wheel slot 9) 54–58 Gobo 9 (wheel slot 10) 59–63 Gobo 10 (wheel slot 11) 64–68 Gobo 11 (wheel slot 12) 69–73 Gobo 12 (wheel slot 13) 74–78 Gobo 13 (wheel slot 14) 79–83 Gobo 14 (wheel slot 15) 84–88 Gobo 15 (wheel slot 16) 89–93 Gobo 16 (wheel slot 17) 94–99 Gobo 1 (wheel slot 2) 100–105 Gobo 2 (wheel slot 3) 106–111 Gobo 3 (wheel slot 4) 112–117 Gobo 4 (wheel slot 5) 118–123 Gobo 5 (wheel slot 6) 124–129 Gobo 6 (wheel slot 7) 130–135 Gobo 7 (wheel slot 8) 136–141 Gobo 8 (wheel slot 9) 142–147 Gobo 9 (wheel slot 10) 148–153 Gobo 10 (wheel slot 11) 154–159 Gobo 11 (wheel slot 12) 160–165 Gobo 12 (wheel slot 13) 166–171 Gobo 13 (wheel slot 14) 172–177 Gobo 14 (wheel slot 15) 178–183 Gobo 15 (wheel slot 16) 184–189 Gobo 16 (wheel slot 17) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast

Extended Pan540 (continued)

Ch	Function	Default	DMX values
20	Gobo 2 Fine	0	Fine byte of Gobo 2
21	Animation Wheel1	0	0–0 Open 1–127 Open to Dots 128–255 Dots to Lines
22	Animation Wheel1Pos	0	0–127 Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
23	Animation Wheel2	0	0–127 Open 128–255 Waves
24	Animation Wheel2Pos	0	0–127 Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
25	Prism	0	0–63 Open (wheel slot 1) 64–95 8 Facet prism (wheel slot 2) 96–127 6 Facet Linear (wheel slot 3) 128–255 Open (wheel slot 1)
26	Prism Rotation	0	0–127 Index Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
27	Prism Rotation Fine	0	Fine byte of Prism Rotation
28	Prism	0	0–63 Open (wheel slot 1) 64–95 16 Facet prism (wheel slot 4) 96–127 4 Facet Linear (wheel slot 5) 128–255 Open (wheel slot 1)
29	Prism Rotation	0	0–127 Index Position 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
30	Prism Rotation Fine	0	Fine byte of Prism Rotation
31	Focus	0	
32	Focus Fine	0	Fine byte of Focus
33	Zoom	127	
34	Zoom Fine	255	Fine byte of Zoom
35	Focus1Adjust	0	0–50 Auto Focus Off 51–100 5-15m 101–150 15-150m 151–255 Idle
36	Focus1Adjust Fine	0	Fine byte of Focus1Adjust
37	Shutter / Strobe	63	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)
38	Dimmer	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
39	Dimmer Fine	0	Fine byte of Dimmer

Extended Pan540 (continued)

Ch	Function	Default	DMX values
40	Iris	0	0–191 Open to Close 192–223 Pulse Closing fast to slow 224–255 Pulse Opening slow to fast
41	Frost1	0	
42	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout By Movement 236–245 Blackout by wheel changes 246–255 Function
43	Control1	0	0–10 Idle 11–12 Pan Shortest Path 13–14 Pan Continue Path 15–16 Pan Range 540 (default) 17–18 Pan Range 360 19–20 Pan Range 360 short 21–39 Idle 40–49 On 50–59 Off 60–66 Power 370W 67–73 Power 430W 74–79 Power 560W 80–84 Fixture 85–87 Pan Tilt 88–90 Color 91–93 Gobo 94–96 Dimmer 97–99 Other Features 100–164 Idle 165–166 CMY Smooth 167–168 CMY Fast 169–170 Vent Cleaning On 171–172 Vent Cleaning Off 173–174 Hibernation Off 175–176 Hibernation 177–178 Sun Protection On 179–180 Sun Protection Off 181–190 Pan Tilt Smooth 191–200 Pan Tilt Fast 201–210 Dimming Linear 211–220 Dimming Square 221–230 Dimming Inverse Square 231–240 Dimming S-Curve 241–249 Idle 250–251 Display OFF 252–253 Display ON 254–255 Idle