Elation

REBEL Dartz



Manufacturer	**Elation**
Type	**Moving head**
DMX modes	**8**
DMX footprint	**28, 35 channels**
Beam angle	**1.5°**
Pan range	**540°**
Tilt range	**360°**
Size (W × H × D)	**219 × 314 × 219 mm**
GDTF fixture type	**C38CFA89-9921-49AA-AD1B-A…**

Controls

Focus · Frost · Prism · Prism rotation · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Strobe

DMX modes

Standard Pan360Tilt270	28 ch
Standard Pan360Tilt360	28 ch
Standard Pan540Tilt270	28 ch
Standard Pan540Tilt360	28 ch
Extended Pan360Tilt270	35 ch
Extended Pan360Tilt360	35 ch
Extended Pan540Tilt270	35 ch
Extended Pan540Tilt360	35 ch

Standard Pan360Tilt270

28 channels

Ch	Function	Default	DMX values
1	Pan	63	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	Pan Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
6	Tilt Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
7	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
8	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
9	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
10	Tint	0	0–5 Open 6–255 Green Filter
11	Color Wheel	0	0–31 Open (wheel slot 1) 32–34 3200K (wheel slot 14) 35–39 3500K (wheel slot 17) 40–44 4000K (wheel slot 22) 45–49 4500K (wheel slot 27) 50–59 5000K (wheel slot 32) 60–64 6000K (wheel slot 42) 65–69 6500K (wheel slot 47) 70–74 7000K (wheel slot 52) 75–79 7500K (wheel slot 57) 80–85 8000K (wheel slot 62) 86–89 8500K (wheel slot 67) 90–94 9000K (wheel slot 68) 95–99 9500K (wheel slot 69) 100–104 10000K (wheel slot 70) 105–109 10500K (wheel slot 71) 110–114 11000K (wheel slot 72) 115–119 11500K (wheel slot 73) 120–124 12000K (wheel slot 74) 125–129 12500K (wheel slot 75) 130–134 13000K (wheel slot 76) 135–139 13500K (wheel slot 77) 140–144 14000K (wheel slot 78) 145–149 14500K (wheel slot 79) 150–154 15000K (wheel slot 80) 155–159 15500K (wheel slot 81) 160–255 16000K (wheel slot 82)

Standard Pan360Tilt270 (continued)

Ch	Function	Default	DMX values
12	Color Wheel 2	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 No Function (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

Standard Pan360Tilt270 (continued)

Ch	Function	Default	DMX values
13	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) 70–79 Gobo 7 (wheel slot 8) 80–89 Gobo 8 (wheel slot 9) 90–99 Gobo 9 (wheel slot 10) 100–109 Gobo 10 (wheel slot 11) 110–117 Gobo 1 (wheel slot 2) 118–125 Gobo 2 (wheel slot 3) 126–133 Gobo 3 (wheel slot 4) 134–141 Gobo 4 (wheel slot 5) 142–149 Gobo 5 (wheel slot 6) 150–157 Gobo 6 (wheel slot 7) 158–165 Gobo 7 (wheel slot 8) 166–173 Gobo 8 (wheel slot 9) 174–181 Gobo 9 (wheel slot 10) 182–189 Gobo 10 (wheel slot 11) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
14	Gobo Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–190 CW Fast to Slow 191–192 No Rotation 193–255 CCW Slow to Fast
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Standard Pan360Tilt270 (continued)

Ch	Function	Default	DMX values
16	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
17	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 1 (4 Circular) (wheel slot 2)
18	Prism Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
19	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 2 (6 Linear) (wheel slot 3)
20	Prism Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
21	Focus	127	0–254 Near 255–255 Far
22	Focus Fine	255	Fine byte of Focus

Standard Pan360Tilt270 (continued)

Ch	Function	Default	DMX values
23	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)
24	Dimmer	0	0–62 0% (wheel slot 1) 63–126 25% 127–190 50% 191–254 75% 255–255 100%
25	Dimmer Fine	0	Fine byte of Dimmer
26	Frost1	0	0–5 Open (wheel slot 1) 6–255 Frost
27	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout when pan / tilt move (wheel slot 1) 236–245 Blackout when all wheels change (wheel slot 1) 246–255 No Function
28	Function	0	

Standard Pan360Tilt360

28 channels

Ch	Function	Default	DMX values
1	Pan	63	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	Pan Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
6	Tilt Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
7	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
8	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
9	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %

Standard Pan360Tilt360 (continued)

Ch	Function	Default	DMX values
10	Tint	0	0–5 Open 6–255 Green Filter
11	Color Wheel	0	0–31 Open (wheel slot 1) 32–34 3200K (wheel slot 14) 35–39 3500K (wheel slot 17) 40–44 4000K (wheel slot 22) 45–49 4500K (wheel slot 27) 50–59 5000K (wheel slot 32) 60–64 6000K (wheel slot 42) 65–69 6500K (wheel slot 47) 70–74 7000K (wheel slot 52) 75–79 7500K (wheel slot 57) 80–85 8000K (wheel slot 62) 86–89 8500K (wheel slot 67) 90–94 9000K (wheel slot 68) 95–99 9500K (wheel slot 69) 100–104 10000K (wheel slot 70) 105–109 10500K (wheel slot 71) 110–114 11000K (wheel slot 72) 115–119 11500K (wheel slot 73) 120–124 12000K (wheel slot 74) 125–129 12500K (wheel slot 75) 130–134 13000K (wheel slot 76) 135–139 13500K (wheel slot 77) 140–144 14000K (wheel slot 78) 145–149 14500K (wheel slot 79) 150–154 15000K (wheel slot 80) 155–159 15500K (wheel slot 81) 160–255 16000K (wheel slot 82)

Standard Pan360Tilt360 (continued)

Ch	Function	Default	DMX values
12	Color Wheel 2	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 No Function (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

Standard Pan360Tilt360 (continued)

Ch	Function	Default	DMX values
13	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) 70–79 Gobo 7 (wheel slot 8) 80–89 Gobo 8 (wheel slot 9) 90–99 Gobo 9 (wheel slot 10) 100–109 Gobo 10 (wheel slot 11) 110–117 Gobo 1 (wheel slot 2) 118–125 Gobo 2 (wheel slot 3) 126–133 Gobo 3 (wheel slot 4) 134–141 Gobo 4 (wheel slot 5) 142–149 Gobo 5 (wheel slot 6) 150–157 Gobo 6 (wheel slot 7) 158–165 Gobo 7 (wheel slot 8) 166–173 Gobo 8 (wheel slot 9) 174–181 Gobo 9 (wheel slot 10) 182–189 Gobo 10 (wheel slot 11) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
14	Gobo Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–190 CW Fast to Slow 191–192 No Rotation 193–255 CCW Slow to Fast
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Standard Pan360Tilt360 (continued)

Ch	Function	Default	DMX values
16	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
17	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 1 (4 Circular) (wheel slot 2)
18	Prism Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
19	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 2 (6 Linear) (wheel slot 3)
20	Prism Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
21	Focus	127	0–254 Near 255–255 Far
22	Focus Fine	255	Fine byte of Focus

Standard Pan360Tilt360 (continued)

Ch	Function	Default	DMX values
23	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)
24	Dimmer	0	0–62 0% (wheel slot 1) 63–126 25% 127–190 50% 191–254 75% 255–255 100%
25	Dimmer Fine	0	Fine byte of Dimmer
26	Frost1	0	0–5 Open (wheel slot 1) 6–255 Frost
27	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout when pan / tilt move (wheel slot 1) 236–245 Blackout when all wheels change (wheel slot 1) 246–255 No Function
28	Function	0	

Standard Pan540Tilt270

28 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	Pan Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
6	Tilt Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
7	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
8	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
9	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %

Standard Pan540Tilt270 (continued)

Ch	Function	Default	DMX values
10	Tint	0	0–5 Open 6–255 Green Filter
11	Color Wheel	0	0–31 Open (wheel slot 1) 32–34 3200K (wheel slot 14) 35–39 3500K (wheel slot 17) 40–44 4000K (wheel slot 22) 45–49 4500K (wheel slot 27) 50–59 5000K (wheel slot 32) 60–64 6000K (wheel slot 42) 65–69 6500K (wheel slot 47) 70–74 7000K (wheel slot 52) 75–79 7500K (wheel slot 57) 80–85 8000K (wheel slot 62) 86–89 8500K (wheel slot 67) 90–94 9000K (wheel slot 68) 95–99 9500K (wheel slot 69) 100–104 10000K (wheel slot 70) 105–109 10500K (wheel slot 71) 110–114 11000K (wheel slot 72) 115–119 11500K (wheel slot 73) 120–124 12000K (wheel slot 74) 125–129 12500K (wheel slot 75) 130–134 13000K (wheel slot 76) 135–139 13500K (wheel slot 77) 140–144 14000K (wheel slot 78) 145–149 14500K (wheel slot 79) 150–154 15000K (wheel slot 80) 155–159 15500K (wheel slot 81) 160–255 16000K (wheel slot 82)

Standard Pan540Tilt270 (continued)

Ch	Function	Default	DMX values
12	Color Wheel 2	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 No Function (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

Standard Pan540Tilt270 (continued)

Ch	Function	Default	DMX values
13	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) 70–79 Gobo 7 (wheel slot 8) 80–89 Gobo 8 (wheel slot 9) 90–99 Gobo 9 (wheel slot 10) 100–109 Gobo 10 (wheel slot 11) 110–117 Gobo 1 (wheel slot 2) 118–125 Gobo 2 (wheel slot 3) 126–133 Gobo 3 (wheel slot 4) 134–141 Gobo 4 (wheel slot 5) 142–149 Gobo 5 (wheel slot 6) 150–157 Gobo 6 (wheel slot 7) 158–165 Gobo 7 (wheel slot 8) 166–173 Gobo 8 (wheel slot 9) 174–181 Gobo 9 (wheel slot 10) 182–189 Gobo 10 (wheel slot 11) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
14	Gobo Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–190 CW Fast to Slow 191–192 No Rotation 193–255 CCW Slow to Fast
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Standard Pan540Tilt270 (continued)

Ch	Function	Default	DMX values
16	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
17	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 1 (4 Circular) (wheel slot 2)
18	Prism Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
19	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 2 (6 Linear) (wheel slot 3)
20	Prism Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
21	Focus	127	0–254 Near 255–255 Far
22	Focus Fine	255	Fine byte of Focus

Standard Pan540Tilt270 (continued)

Ch	Function	Default	DMX values
23	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)
24	Dimmer	0	0–62 0% (wheel slot 1) 63–126 25% 127–190 50% 191–254 75% 255–255 100%
25	Dimmer Fine	0	Fine byte of Dimmer
26	Frost1	0	0–5 Open (wheel slot 1) 6–255 Frost
27	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout when pan / tilt move (wheel slot 1) 236–245 Blackout when all wheels change (wheel slot 1) 246–255 No Function
28	Function	0	

Standard Pan540Tilt360

28 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	Pan Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
6	Tilt Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
7	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
8	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
9	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %

Standard Pan540Tilt360 (continued)

Ch	Function	Default	DMX values
10	Tint	0	0–5 Open 6–255 Green Filter
11	Color Wheel	0	0–31 Open (wheel slot 1) 32–34 3200K (wheel slot 14) 35–39 3500K (wheel slot 17) 40–44 4000K (wheel slot 22) 45–49 4500K (wheel slot 27) 50–59 5000K (wheel slot 32) 60–64 6000K (wheel slot 42) 65–69 6500K (wheel slot 47) 70–74 7000K (wheel slot 52) 75–79 7500K (wheel slot 57) 80–85 8000K (wheel slot 62) 86–89 8500K (wheel slot 67) 90–94 9000K (wheel slot 68) 95–99 9500K (wheel slot 69) 100–104 10000K (wheel slot 70) 105–109 10500K (wheel slot 71) 110–114 11000K (wheel slot 72) 115–119 11500K (wheel slot 73) 120–124 12000K (wheel slot 74) 125–129 12500K (wheel slot 75) 130–134 13000K (wheel slot 76) 135–139 13500K (wheel slot 77) 140–144 14000K (wheel slot 78) 145–149 14500K (wheel slot 79) 150–154 15000K (wheel slot 80) 155–159 15500K (wheel slot 81) 160–255 16000K (wheel slot 82)

Standard Pan540Tilt360 (continued)

Ch	Function	Default	DMX values
12	Color Wheel 2	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 No Function (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

Standard Pan540Tilt360 (continued)

Ch	Function	Default	DMX values
13	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) 70–79 Gobo 7 (wheel slot 8) 80–89 Gobo 8 (wheel slot 9) 90–99 Gobo 9 (wheel slot 10) 100–109 Gobo 10 (wheel slot 11) 110–117 Gobo 1 (wheel slot 2) 118–125 Gobo 2 (wheel slot 3) 126–133 Gobo 3 (wheel slot 4) 134–141 Gobo 4 (wheel slot 5) 142–149 Gobo 5 (wheel slot 6) 150–157 Gobo 6 (wheel slot 7) 158–165 Gobo 7 (wheel slot 8) 166–173 Gobo 8 (wheel slot 9) 174–181 Gobo 9 (wheel slot 10) 182–189 Gobo 10 (wheel slot 11) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
14	Gobo Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–190 CW Fast to Slow 191–192 No Rotation 193–255 CCW Slow to Fast
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Standard Pan540Tilt360 (continued)

Ch	Function	Default	DMX values
16	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
17	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 1 (4 Circular) (wheel slot 2)
18	Prism Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
19	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 2 (6 Linear) (wheel slot 3)
20	Prism Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
21	Focus	127	0–254 Near 255–255 Far
22	Focus Fine	255	Fine byte of Focus

Standard Pan540Tilt360 (continued)

Ch	Function	Default	DMX values
23	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)
24	Dimmer	0	0–62 0% (wheel slot 1) 63–126 25% 127–190 50% 191–254 75% 255–255 100%
25	Dimmer Fine	0	Fine byte of Dimmer
26	Frost1	0	0–5 Open (wheel slot 1) 6–255 Frost
27	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout when pan / tilt move (wheel slot 1) 236–245 Blackout when all wheels change (wheel slot 1) 246–255 No Function
28	Function	0	

Extended Pan360Tilt270

35 channels

Ch	Function	Default	DMX values
1	Pan	63	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	Pan Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
6	Tilt Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
7	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
8	Red Fine	255	Fine byte of Red
9	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
10	Green Fine	255	Fine byte of Green

Extended Pan360Tilt270 (continued)

Ch	Function	Default	DMX values
11	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
12	Blue Fine	255	Fine byte of Blue
13	Tint	0	0–5 Open 6–255 Green Filter
14	C TO	0	0–31 Open to 16000 32–255 3200K to 16000K
15	C TO Fine	0	Fine byte of C TO

Extended Pan360Tilt270 (continued)

Ch	Function	Default	DMX values
16	Color Wheel 2	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 No Function (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

Extended Pan360Tilt270 (continued)

Ch	Function	Default	DMX values
17	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) 70–79 Gobo 7 (wheel slot 8) 80–89 Gobo 8 (wheel slot 9) 90–99 Gobo 9 (wheel slot 10) 100–109 Gobo 10 (wheel slot 11) 110–117 Gobo 1 (wheel slot 2) 118–125 Gobo 2 (wheel slot 3) 126–133 Gobo 3 (wheel slot 4) 134–141 Gobo 4 (wheel slot 5) 142–149 Gobo 5 (wheel slot 6) 150–157 Gobo 6 (wheel slot 7) 158–165 Gobo 7 (wheel slot 8) 166–173 Gobo 8 (wheel slot 9) 174–181 Gobo 9 (wheel slot 10) 182–189 Gobo 10 (wheel slot 11) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
18	Gobo Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–190 CW Fast to Slow 191–192 No Rotation 193–255 CCW Slow to Fast
19	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended Pan360Tilt270 (continued)

Ch	Function	Default	DMX values
20	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
21	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 1 (4 Circular) (wheel slot 2)
22	Prism Rotation	0	0–127 Indexing Min 128–189 Indexing Max 190–193 No Rotation 194–255 CCW Slow to Fast
23	Prism Rotation Fine	0	Fine byte of Prism Rotation
24	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 2 (6 Linear) (wheel slot 3)
25	Prism Rotation	0	0–127 Indexing Min 128–189 Indexing Max 190–193 No Rotation 194–255 CCW Slow to Fast
26	Prism Rotation Fine	0	Fine byte of Prism Rotation
27	Focus	127	0–254 Near 255–255 Far
28	Focus Fine	255	Fine byte of Focus

Extended Pan360Tilt270 (continued)

Ch	Function	Default	DMX values
29	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)
30	Dimmer	0	0–62 0% (wheel slot 1) 63–126 25% 127–190 50% 191–254 75% 255–255 100%
31	Dimmer Fine	0	Fine byte of Dimmer
32	Frost1	0	0–5 Open (wheel slot 1) 6–255 Frost
33	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–121 0s 122–122 0*1s 123–123 0*2 124–124 0*3s 125–125 0*4s 126–126 0*5s 127–127 0*6s 128–128 0*7 129–129 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 141–141 10s 142–255 Idle
34	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout when pan / tilt move (wheel slot 1) 236–245 Blackout when all wheels change (wheel slot 1) 246–255 No Function
35	Function	0	

Extended Pan360Tilt360

35 channels

Ch	Function	Default	DMX values
1	Pan	63	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt

Extended Pan360Tilt360 (continued)

Ch	Function	Default	DMX values
5	Pan Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
6	Tilt Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
7	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
8	Red Fine	255	Fine byte of Red
9	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
10	Green Fine	255	Fine byte of Green
11	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
12	Blue Fine	255	Fine byte of Blue
13	Tint	0	0–5 Open 6–255 Green Filter
14	C TO	0	0–31 Open to 16000 32–255 3200K to 16000K
15	C TO Fine	0	Fine byte of C TO

Extended Pan360Tilt360 (continued)

Ch	Function	Default	DMX values
16	Color Wheel 2	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 No Function (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

Extended Pan360Tilt360 (continued)

Ch	Function	Default	DMX values
17	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) 70–79 Gobo 7 (wheel slot 8) 80–89 Gobo 8 (wheel slot 9) 90–99 Gobo 9 (wheel slot 10) 100–109 Gobo 10 (wheel slot 11) 110–117 Gobo 1 (wheel slot 2) 118–125 Gobo 2 (wheel slot 3) 126–133 Gobo 3 (wheel slot 4) 134–141 Gobo 4 (wheel slot 5) 142–149 Gobo 5 (wheel slot 6) 150–157 Gobo 6 (wheel slot 7) 158–165 Gobo 7 (wheel slot 8) 166–173 Gobo 8 (wheel slot 9) 174–181 Gobo 9 (wheel slot 10) 182–189 Gobo 10 (wheel slot 11) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
18	Gobo Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–190 CW Fast to Slow 191–192 No Rotation 193–255 CCW Slow to Fast
19	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended Pan360Tilt360 (continued)

Ch	Function	Default	DMX values
20	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
21	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 1 (4 Circular) (wheel slot 2)
22	Prism Rotation	0	0–127 Indexing Min 128–189 Indexing Max 190–193 No Rotation 194–255 CCW Slow to Fast
23	Prism Rotation Fine	0	Fine byte of Prism Rotation
24	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 2 (6 Linear) (wheel slot 3)
25	Prism Rotation	0	0–127 Indexing Min 128–189 Indexing Max 190–193 No Rotation 194–255 CCW Slow to Fast
26	Prism Rotation Fine	0	Fine byte of Prism Rotation
27	Focus	127	0–254 Near 255–255 Far
28	Focus Fine	255	Fine byte of Focus

Extended Pan360Tilt360 (continued)

Ch	Function	Default	DMX values
29	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)
30	Dimmer	0	0–62 0% (wheel slot 1) 63–126 25% 127–190 50% 191–254 75% 255–255 100%
31	Dimmer Fine	0	Fine byte of Dimmer
32	Frost1	0	0–5 Open (wheel slot 1) 6–255 Frost
33	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–121 0s 122–122 0*1s 123–123 0*2 124–124 0*3s 125–125 0*4s 126–126 0*5s 127–127 0*6s 128–128 0*7 129–129 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 141–141 10s 142–255 Idle
34	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout when pan / tilt move (wheel slot 1) 236–245 Blackout when all wheels change (wheel slot 1) 246–255 No Function
35	Function	0	

Extended Pan540Tilt270

35 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt

Extended Pan540Tilt270 (continued)

Ch	Function	Default	DMX values
5	Pan Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
6	Tilt Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
7	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
8	Red Fine	255	Fine byte of Red
9	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
10	Green Fine	255	Fine byte of Green
11	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
12	Blue Fine	255	Fine byte of Blue
13	Tint	0	0–5 Open 6–255 Green Filter
14	C TO	0	0–31 Open to 16000 32–255 3200K to 16000K
15	C TO Fine	0	Fine byte of C TO

Extended Pan540Tilt270 (continued)

Ch	Function	Default	DMX values
16	Color Wheel 2	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 No Function (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

Extended Pan540Tilt270 (continued)

Ch	Function	Default	DMX values
17	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) 70–79 Gobo 7 (wheel slot 8) 80–89 Gobo 8 (wheel slot 9) 90–99 Gobo 9 (wheel slot 10) 100–109 Gobo 10 (wheel slot 11) 110–117 Gobo 1 (wheel slot 2) 118–125 Gobo 2 (wheel slot 3) 126–133 Gobo 3 (wheel slot 4) 134–141 Gobo 4 (wheel slot 5) 142–149 Gobo 5 (wheel slot 6) 150–157 Gobo 6 (wheel slot 7) 158–165 Gobo 7 (wheel slot 8) 166–173 Gobo 8 (wheel slot 9) 174–181 Gobo 9 (wheel slot 10) 182–189 Gobo 10 (wheel slot 11) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
18	Gobo Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–190 CW Fast to Slow 191–192 No Rotation 193–255 CCW Slow to Fast
19	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended Pan540Tilt270 (continued)

Ch	Function	Default	DMX values
20	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
21	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 1 (4 Circular) (wheel slot 2)
22	Prism Rotation	0	0–127 Indexing Min 128–189 Indexing Max 190–193 No Rotation 194–255 CCW Slow to Fast
23	Prism Rotation Fine	0	Fine byte of Prism Rotation
24	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 2 (6 Linear) (wheel slot 3)
25	Prism Rotation	0	0–127 Indexing Min 128–189 Indexing Max 190–193 No Rotation 194–255 CCW Slow to Fast
26	Prism Rotation Fine	0	Fine byte of Prism Rotation
27	Focus	127	0–254 Near 255–255 Far
28	Focus Fine	255	Fine byte of Focus

Extended Pan540Tilt270 (continued)

Ch	Function	Default	DMX values
29	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)
30	Dimmer	0	0–62 0% (wheel slot 1) 63–126 25% 127–190 50% 191–254 75% 255–255 100%
31	Dimmer Fine	0	Fine byte of Dimmer
32	Frost1	0	0–5 Open (wheel slot 1) 6–255 Frost
33	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–121 0s 122–122 0*1s 123–123 0*2 124–124 0*3s 125–125 0*4s 126–126 0*5s 127–127 0*6s 128–128 0*7 129–129 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 141–141 10s 142–255 Idle
34	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout when pan / tilt move (wheel slot 1) 236–245 Blackout when all wheels change (wheel slot 1) 246–255 No Function
35	Function	0	

Extended Pan540Tilt360

35 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt

Extended Pan540Tilt360 (continued)

Ch	Function	Default	DMX values
5	Pan Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
6	Tilt Rotate	0	0–2 no function 3–126 CW Fast to Slow 127–129 Stop 130–253 CCW Slow to Fast 254–255 Stop
7	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
8	Red Fine	255	Fine byte of Red
9	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
10	Green Fine	255	Fine byte of Green
11	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
12	Blue Fine	255	Fine byte of Blue
13	Tint	0	0–5 Open 6–255 Green Filter
14	C TO	0	0–31 Open to 16000 32–255 3200K to 16000K
15	C TO Fine	0	Fine byte of C TO

Extended Pan540Tilt360 (continued)

Ch	Function	Default	DMX values
16	Color Wheel 2	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 No Function (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

Extended Pan540Tilt360 (continued)

Ch	Function	Default	DMX values
17	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) 70–79 Gobo 7 (wheel slot 8) 80–89 Gobo 8 (wheel slot 9) 90–99 Gobo 9 (wheel slot 10) 100–109 Gobo 10 (wheel slot 11) 110–117 Gobo 1 (wheel slot 2) 118–125 Gobo 2 (wheel slot 3) 126–133 Gobo 3 (wheel slot 4) 134–141 Gobo 4 (wheel slot 5) 142–149 Gobo 5 (wheel slot 6) 150–157 Gobo 6 (wheel slot 7) 158–165 Gobo 7 (wheel slot 8) 166–173 Gobo 8 (wheel slot 9) 174–181 Gobo 9 (wheel slot 10) 182–189 Gobo 10 (wheel slot 11) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
18	Gobo Rotation	0	0–126 Indexing Min 127–127 Indexing Max 128–190 CW Fast to Slow 191–192 No Rotation 193–255 CCW Slow to Fast
19	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended Pan540Tilt360 (continued)

Ch	Function	Default	DMX values
20	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
21	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 1 (4 Circular) (wheel slot 2)
22	Prism Rotation	0	0–127 Indexing Min 128–189 Indexing Max 190–193 No Rotation 194–255 CCW Slow to Fast
23	Prism Rotation Fine	0	Fine byte of Prism Rotation
24	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism 2 (6 Linear) (wheel slot 3)
25	Prism Rotation	0	0–127 Indexing Min 128–189 Indexing Max 190–193 No Rotation 194–255 CCW Slow to Fast
26	Prism Rotation Fine	0	Fine byte of Prism Rotation
27	Focus	127	0–254 Near 255–255 Far
28	Focus Fine	255	Fine byte of Focus

Extended Pan540Tilt360 (continued)

Ch	Function	Default	DMX values
29	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)
30	Dimmer	0	0–62 0% (wheel slot 1) 63–126 25% 127–190 50% 191–254 75% 255–255 100%
31	Dimmer Fine	0	Fine byte of Dimmer
32	Frost1	0	0–5 Open (wheel slot 1) 6–255 Frost
33	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–121 0s 122–122 0*1s 123–123 0*2 124–124 0*3s 125–125 0*4s 126–126 0*5s 127–127 0*6s 128–128 0*7 129–129 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 141–141 10s 142–255 Idle
34	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout when pan / tilt move (wheel slot 1) 236–245 Blackout when all wheels change (wheel slot 1) 246–255 No Function
35	Function	0	