Elation

Fuze Max Spot



Manufacturer	**Elation**
Type	**Profile spot**
DMX modes	**8**
DMX footprint	**32, 34, 40, 44 channels**
Beam angle	**7-53°**
Pan range	**630°**
Tilt range	**250°**
Size (W × H × D)	**330 × 521 × 229 mm**
GDTF fixture type	**ADE99447-68A8-40C0-A6E6-45…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · CMY colour mixing · Extra LED colours · RGB colour mixing · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Strobe

DMX modes

CMY Pan540	32 ch
CMY Pan630	32 ch
Standard Pan540	34 ch
Standard Pan630	34 ch
CMY Extended Pan540	40 ch
CMY Extended Pan630	40 ch
Extended Pan540	44 ch
Extended Pan630	44 ch

CMY Pan540

32 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	127	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Cyan	0	
6	Magenta	0	
7	Yellow	0	

CMY Pan540 (continued)

Ch	Function	Default	DMX values
8	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400 (wheel slot 2) 25–25 2500 (wheel slot 3) 26–26 2600 (wheel slot 4) 27–27 2700 (wheel slot 5) 28–28 2800 (wheel slot 6) 29–29 2900 (wheel slot 7) 30–30 3000 (wheel slot 8) 31–31 3100 (wheel slot 9) 32–32 3200 (wheel slot 10) 33–33 3300 (wheel slot 11) 34–34 3400 (wheel slot 12) 35–35 3500 (wheel slot 13) 36–36 3600 (wheel slot 14) 37–37 3700 (wheel slot 15) 38–38 3800 (wheel slot 16) 39–39 3900 (wheel slot 17) 40–40 4000 (wheel slot 18) 41–41 4100 (wheel slot 19) 42–42 4200 (wheel slot 20) 43–43 4300 (wheel slot 21) 44–44 4400 (wheel slot 22) 45–45 4500 (wheel slot 23) 46–46 4600 (wheel slot 24) 47–47 4700 (wheel slot 25) 48–48 4800 (wheel slot 26) 49–49 4900 (wheel slot 27) 50–50 5000 (wheel slot 28) 51–51 5100 (wheel slot 29) 52–52 5200 (wheel slot 30) 53–53 5300 (wheel slot 31) 54–54 5400 (wheel slot 32) 55–55 5500 (wheel slot 33) 56–56 5600 (wheel slot 34) 57–57 5700 (wheel slot 35) 58–58 5800 (wheel slot 36) 59–59 5900 (wheel slot 37) 60–60 6000 (wheel slot 38) 61–61 6100 (wheel slot 39) 62–62 6200 (wheel slot 40) 63–63 6300 (wheel slot 41) 64–64 6400 (wheel slot 42) 65–65 6500 (wheel slot 43) 66–66 6600 (wheel slot 44) 67–67 6700 (wheel slot 45) 68–68 6800 (wheel slot 46) 69–69 6900 (wheel slot 47) 70–70 7000 (wheel slot 48) 71–71 7100 (wheel slot 49) 72–72 7200 (wheel slot 50) 73–73 7300 (wheel slot 51) 74–74 7400 (wheel slot 52) 75–75 7500 (wheel slot 53) 76–76 7600 (wheel slot 54) 77–77 7700 (wheel slot 55) 78–78 7800 (wheel slot 56) 79–79 7900 (wheel slot 57) 80–80 8000 (wheel slot 58) 81–81 8100 (wheel slot 59) 82–82 8200 (wheel slot 60) 83–83 8300 (wheel slot 61) 84–84 8400 (wheel slot 62) 85–255 8500 (wheel slot 63)

CMY Pan540 (continued)

Ch	Function	Default	DMX values
9	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 Open (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

CMY Pan540 (continued)

Ch	Function	Default	DMX values
10	Color Mix Mode	0	0–254 CTC CrossFade 255–255 Color Mix
11	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
12	Gobo Rotation	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
13	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
14	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
15	Gobo Rotation 2	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
16	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

CMY Pan540 (continued)

Ch	Function	Default	DMX values
17	Gobo 3	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–77 Gobo 7 (wheel slot 8) 78–93 Gobo 1 (wheel slot 2) 94–109 Gobo 2 (wheel slot 3) 110–125 Gobo 3 (wheel slot 4) 126–141 Gobo 4 (wheel slot 5) 142–157 Gobo 5 (wheel slot 6) 158–173 Gobo 6 (wheel slot 7) 174–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
18	Prism	0	0–6 Open (wheel slot 1) 7–130 4-Facet Linear Prism (wheel slot 2) 131–255 4-Facet Circular Prism (wheel slot 3)
19	Prism Rotation	0	0–127 Prism Indexing 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
20	Focus	127	
21	Focus Fine	255	Fine byte of Focus
22	Zoom	127	
23	Zoom Fine	255	Fine byte of Zoom
24	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)
25	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
26	Dimmer Fine	0	Fine byte of Dimmer
27	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
28	Frost1	0	
29	Frost2	0	
30	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max
31	Animation Wheel1Pos	0	0–127 Animation Indexing 128–189 Animation Rotation CW Fast to Slow 190–193 No Rotation 194–255 Animation Rotation CCW Slow to Fast
32	Control1	0	

CMY Pan630

32 channels

Ch	Function	Default	DMX values
1	Pan	109	
2	Pan Fine	182	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Cyan	0	
6	Magenta	0	
7	Yellow	0	

CMY Pan630 (continued)

Ch	Function	Default	DMX values
8	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400 (wheel slot 2) 25–25 2500 (wheel slot 3) 26–26 2600 (wheel slot 4) 27–27 2700 (wheel slot 5) 28–28 2800 (wheel slot 6) 29–29 2900 (wheel slot 7) 30–30 3000 (wheel slot 8) 31–31 3100 (wheel slot 9) 32–32 3200 (wheel slot 10) 33–33 3300 (wheel slot 11) 34–34 3400 (wheel slot 12) 35–35 3500 (wheel slot 13) 36–36 3600 (wheel slot 14) 37–37 3700 (wheel slot 15) 38–38 3800 (wheel slot 16) 39–39 3900 (wheel slot 17) 40–40 4000 (wheel slot 18) 41–41 4100 (wheel slot 19) 42–42 4200 (wheel slot 20) 43–43 4300 (wheel slot 21) 44–44 4400 (wheel slot 22) 45–45 4500 (wheel slot 23) 46–46 4600 (wheel slot 24) 47–47 4700 (wheel slot 25) 48–48 4800 (wheel slot 26) 49–49 4900 (wheel slot 27) 50–50 5000 (wheel slot 28) 51–51 5100 (wheel slot 29) 52–52 5200 (wheel slot 30) 53–53 5300 (wheel slot 31) 54–54 5400 (wheel slot 32) 55–55 5500 (wheel slot 33) 56–56 5600 (wheel slot 34) 57–57 5700 (wheel slot 35) 58–58 5800 (wheel slot 36) 59–59 5900 (wheel slot 37) 60–60 6000 (wheel slot 38) 61–61 6100 (wheel slot 39) 62–62 6200 (wheel slot 40) 63–63 6300 (wheel slot 41) 64–64 6400 (wheel slot 42) 65–65 6500 (wheel slot 43) 66–66 6600 (wheel slot 44) 67–67 6700 (wheel slot 45) 68–68 6800 (wheel slot 46) 69–69 6900 (wheel slot 47) 70–70 7000 (wheel slot 48) 71–71 7100 (wheel slot 49) 72–72 7200 (wheel slot 50) 73–73 7300 (wheel slot 51) 74–74 7400 (wheel slot 52) 75–75 7500 (wheel slot 53) 76–76 7600 (wheel slot 54) 77–77 7700 (wheel slot 55) 78–78 7800 (wheel slot 56) 79–79 7900 (wheel slot 57) 80–80 8000 (wheel slot 58) 81–81 8100 (wheel slot 59) 82–82 8200 (wheel slot 60) 83–83 8300 (wheel slot 61) 84–84 8400 (wheel slot 62) 85–255 8500 (wheel slot 63)

CMY Pan630 (continued)

Ch	Function	Default	DMX values
9	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 Open (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

CMY Pan630 (continued)

Ch	Function	Default	DMX values
10	Color Mix Mode	0	0–254 CTC CrossFade 255–255 Color Mix
11	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
12	Gobo Rotation	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
13	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
14	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
15	Gobo Rotation 2	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
16	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

CMY Pan630 (continued)

Ch	Function	Default	DMX values
17	Gobo 3	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–77 Gobo 7 (wheel slot 8) 78–93 Gobo 1 (wheel slot 2) 94–109 Gobo 2 (wheel slot 3) 110–125 Gobo 3 (wheel slot 4) 126–141 Gobo 4 (wheel slot 5) 142–157 Gobo 5 (wheel slot 6) 158–173 Gobo 6 (wheel slot 7) 174–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
18	Prism	0	0–6 Open (wheel slot 1) 7–130 4-Facet Linear Prism (wheel slot 2) 131–255 4-Facet Circular Prism (wheel slot 3)
19	Prism Rotation	0	0–127 Prism Indexing 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
20	Focus	127	
21	Focus Fine	255	Fine byte of Focus
22	Zoom	127	
23	Zoom Fine	255	Fine byte of Zoom
24	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)
25	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
26	Dimmer Fine	0	Fine byte of Dimmer
27	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
28	Frost1	0	
29	Frost2	0	
30	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max
31	Animation Wheel1Pos	0	0–127 Animation Indexing 128–189 Animation Rotation CW Fast to Slow 190–193 No Rotation 194–255 Animation Rotation CCW Slow to Fast
32	Control1	0	

Standard Pan540

34 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Red	255	
6	Green	255	
7	Blue	255	
8	Color Add GY	255	
9	Color Add RY	255	

Standard Pan540 (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400 (wheel slot 2) 25–25 2500 (wheel slot 3) 26–26 2600 (wheel slot 4) 27–27 2700 (wheel slot 5) 28–28 2800 (wheel slot 6) 29–29 2900 (wheel slot 7) 30–30 3000 (wheel slot 8) 31–31 3100 (wheel slot 9) 32–32 3200 (wheel slot 10) 33–33 3300 (wheel slot 11) 34–34 3400 (wheel slot 12) 35–35 3500 (wheel slot 13) 36–36 3600 (wheel slot 14) 37–37 3700 (wheel slot 15) 38–38 3800 (wheel slot 16) 39–39 3900 (wheel slot 17) 40–40 4000 (wheel slot 18) 41–41 4100 (wheel slot 19) 42–42 4200 (wheel slot 20) 43–43 4300 (wheel slot 21) 44–44 4400 (wheel slot 22) 45–45 4500 (wheel slot 23) 46–46 4600 (wheel slot 24) 47–47 4700 (wheel slot 25) 48–48 4800 (wheel slot 26) 49–49 4900 (wheel slot 27) 50–50 5000 (wheel slot 28) 51–51 5100 (wheel slot 29) 52–52 5200 (wheel slot 30) 53–53 5300 (wheel slot 31) 54–54 5400 (wheel slot 32) 55–55 5500 (wheel slot 33) 56–56 5600 (wheel slot 34) 57–57 5700 (wheel slot 35) 58–58 5800 (wheel slot 36) 59–59 5900 (wheel slot 37) 60–60 6000 (wheel slot 38) 61–61 6100 (wheel slot 39) 62–62 6200 (wheel slot 40) 63–63 6300 (wheel slot 41) 64–64 6400 (wheel slot 42) 65–65 6500 (wheel slot 43) 66–66 6600 (wheel slot 44) 67–67 6700 (wheel slot 45) 68–68 6800 (wheel slot 46) 69–69 6900 (wheel slot 47) 70–70 7000 (wheel slot 48) 71–71 7100 (wheel slot 49) 72–72 7200 (wheel slot 50) 73–73 7300 (wheel slot 51) 74–74 7400 (wheel slot 52) 75–75 7500 (wheel slot 53) 76–76 7600 (wheel slot 54) 77–77 7700 (wheel slot 55) 78–78 7800 (wheel slot 56) 79–79 7900 (wheel slot 57) 80–80 8000 (wheel slot 58) 81–81 8100 (wheel slot 59) 82–82 8200 (wheel slot 60) 83–83 8300 (wheel slot 61) 84–84 8400 (wheel slot 62) 85–255 8500 (wheel slot 63)

Standard Pan540 (continued)

Ch	Function	Default	DMX values
11	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 Open (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

Standard Pan540 (continued)

Ch	Function	Default	DMX values
12	Color Mix Mode	0	0–254 CTC CrossFade 255–255 Color Mix
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) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
14	Gobo Rotation	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
16	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
17	Gobo Rotation 2	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
18	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Standard Pan540 (continued)

Ch	Function	Default	DMX values
19	Gobo 3	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–77 Gobo 7 (wheel slot 8) 78–93 Gobo 1 (wheel slot 2) 94–109 Gobo 2 (wheel slot 3) 110–125 Gobo 3 (wheel slot 4) 126–141 Gobo 4 (wheel slot 5) 142–157 Gobo 5 (wheel slot 6) 158–173 Gobo 6 (wheel slot 7) 174–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
20	Prism	0	0–6 Open (wheel slot 1) 7–130 4-Facet Linear Prism (wheel slot 2) 131–255 4-Facet Circular Prism (wheel slot 3)
21	Prism Rotation	0	0–127 Prism Indexing 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
22	Focus	127	
23	Focus Fine	255	Fine byte of Focus
24	Zoom	127	
25	Zoom Fine	255	Fine byte of Zoom
26	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)
27	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
28	Dimmer Fine	0	Fine byte of Dimmer
29	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
30	Frost1	0	
31	Frost2	0	
32	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max (wheel slot 1)
33	Animation Wheel1Pos	0	0–127 Animation Indexing 128–189 Animation Rotation CW Fast to Slow 190–193 No Rotation 194–255 Animation Rotation CCW Slow to Fast
34	Control1	0	

Standard Pan630

34 channels

Ch	Function	Default	DMX values
1	Pan	109	
2	Pan Fine	182	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Red	255	
6	Green	255	
7	Blue	255	
8	Color Add GY	255	
9	Color Add RY	255	

Standard Pan630 (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400 (wheel slot 2) 25–25 2500 (wheel slot 3) 26–26 2600 (wheel slot 4) 27–27 2700 (wheel slot 5) 28–28 2800 (wheel slot 6) 29–29 2900 (wheel slot 7) 30–30 3000 (wheel slot 8) 31–31 3100 (wheel slot 9) 32–32 3200 (wheel slot 10) 33–33 3300 (wheel slot 11) 34–34 3400 (wheel slot 12) 35–35 3500 (wheel slot 13) 36–36 3600 (wheel slot 14) 37–37 3700 (wheel slot 15) 38–38 3800 (wheel slot 16) 39–39 3900 (wheel slot 17) 40–40 4000 (wheel slot 18) 41–41 4100 (wheel slot 19) 42–42 4200 (wheel slot 20) 43–43 4300 (wheel slot 21) 44–44 4400 (wheel slot 22) 45–45 4500 (wheel slot 23) 46–46 4600 (wheel slot 24) 47–47 4700 (wheel slot 25) 48–48 4800 (wheel slot 26) 49–49 4900 (wheel slot 27) 50–50 5000 (wheel slot 28) 51–51 5100 (wheel slot 29) 52–52 5200 (wheel slot 30) 53–53 5300 (wheel slot 31) 54–54 5400 (wheel slot 32) 55–55 5500 (wheel slot 33) 56–56 5600 (wheel slot 34) 57–57 5700 (wheel slot 35) 58–58 5800 (wheel slot 36) 59–59 5900 (wheel slot 37) 60–60 6000 (wheel slot 38) 61–61 6100 (wheel slot 39) 62–62 6200 (wheel slot 40) 63–63 6300 (wheel slot 41) 64–64 6400 (wheel slot 42) 65–65 6500 (wheel slot 43) 66–66 6600 (wheel slot 44) 67–67 6700 (wheel slot 45) 68–68 6800 (wheel slot 46) 69–69 6900 (wheel slot 47) 70–70 7000 (wheel slot 48) 71–71 7100 (wheel slot 49) 72–72 7200 (wheel slot 50) 73–73 7300 (wheel slot 51) 74–74 7400 (wheel slot 52) 75–75 7500 (wheel slot 53) 76–76 7600 (wheel slot 54) 77–77 7700 (wheel slot 55) 78–78 7800 (wheel slot 56) 79–79 7900 (wheel slot 57) 80–80 8000 (wheel slot 58) 81–81 8100 (wheel slot 59) 82–82 8200 (wheel slot 60) 83–83 8300 (wheel slot 61) 84–84 8400 (wheel slot 62) 85–255 8500 (wheel slot 63)

Standard Pan630 (continued)

Ch	Function	Default	DMX values
11	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 Open (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

Standard Pan630 (continued)

Ch	Function	Default	DMX values
12	Color Mix Mode	0	0–254 CTC CrossFade 255–255 Color Mix
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) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
14	Gobo Rotation	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
16	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
17	Gobo Rotation 2	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
18	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Standard Pan630 (continued)

Ch	Function	Default	DMX values
19	Gobo 3	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–77 Gobo 7 (wheel slot 8) 78–93 Gobo 1 (wheel slot 2) 94–109 Gobo 2 (wheel slot 3) 110–125 Gobo 3 (wheel slot 4) 126–141 Gobo 4 (wheel slot 5) 142–157 Gobo 5 (wheel slot 6) 158–173 Gobo 6 (wheel slot 7) 174–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
20	Prism	0	0–6 Open (wheel slot 1) 7–130 4-Facet Linear Prism (wheel slot 2) 131–255 4-Facet Circular Prism (wheel slot 3)
21	Prism Rotation	0	0–127 Prism Indexing 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
22	Focus	127	
23	Focus Fine	255	Fine byte of Focus
24	Zoom	127	
25	Zoom Fine	255	Fine byte of Zoom
26	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)
27	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
28	Dimmer Fine	0	Fine byte of Dimmer
29	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
30	Frost1	0	
31	Frost2	0	
32	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max (wheel slot 1)
33	Animation Wheel1Pos	0	0–127 Animation Indexing 128–189 Animation Rotation CW Fast to Slow 190–193 No Rotation 194–255 Animation Rotation CCW Slow to Fast
34	Control1	0	

CMY Extended Pan540

40 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	127	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Cyan	0	
6	Cyan Fine	0	Fine byte of Cyan
7	Magenta	0	
8	Magenta Fine	0	Fine byte of Magenta
9	Yellow	0	
10	Yellow Fine	0	Fine byte of Yellow

CMY Extended Pan540 (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400 (wheel slot 2) 25–25 2500 (wheel slot 3) 26–26 2600 (wheel slot 4) 27–27 2700 (wheel slot 5) 28–28 2800 (wheel slot 6) 29–29 2900 (wheel slot 7) 30–30 3000 (wheel slot 8) 31–31 3100 (wheel slot 9) 32–32 3200 (wheel slot 10) 33–33 3300 (wheel slot 11) 34–34 3400 (wheel slot 12) 35–35 3500 (wheel slot 13) 36–36 3600 (wheel slot 14) 37–37 3700 (wheel slot 15) 38–38 3800 (wheel slot 16) 39–39 3900 (wheel slot 17) 40–40 4000 (wheel slot 18) 41–41 4100 (wheel slot 19) 42–42 4200 (wheel slot 20) 43–43 4300 (wheel slot 21) 44–44 4400 (wheel slot 22) 45–45 4500 (wheel slot 23) 46–46 4600 (wheel slot 24) 47–47 4700 (wheel slot 25) 48–48 4800 (wheel slot 26) 49–49 4900 (wheel slot 27) 50–50 5000 (wheel slot 28) 51–51 5100 (wheel slot 29) 52–52 5200 (wheel slot 30) 53–53 5300 (wheel slot 31) 54–54 5400 (wheel slot 32) 55–55 5500 (wheel slot 33) 56–56 5600 (wheel slot 34) 57–57 5700 (wheel slot 35) 58–58 5800 (wheel slot 36) 59–59 5900 (wheel slot 37) 60–60 6000 (wheel slot 38) 61–61 6100 (wheel slot 39) 62–62 6200 (wheel slot 40) 63–63 6300 (wheel slot 41) 64–64 6400 (wheel slot 42) 65–65 6500 (wheel slot 43) 66–66 6600 (wheel slot 44) 67–67 6700 (wheel slot 45) 68–68 6800 (wheel slot 46) 69–69 6900 (wheel slot 47) 70–70 7000 (wheel slot 48) 71–71 7100 (wheel slot 49) 72–72 7200 (wheel slot 50) 73–73 7300 (wheel slot 51) 74–74 7400 (wheel slot 52) 75–75 7500 (wheel slot 53) 76–76 7600 (wheel slot 54) 77–77 7700 (wheel slot 55) 78–78 7800 (wheel slot 56) 79–79 7900 (wheel slot 57) 80–80 8000 (wheel slot 58) 81–81 8100 (wheel slot 59) 82–82 8200 (wheel slot 60) 83–83 8300 (wheel slot 61) 84–84 8400 (wheel slot 62) 85–255 8500 (wheel slot 63)

CMY Extended Pan540 (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 Open (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

CMY Extended Pan540 (continued)

Ch	Function	Default	DMX values
13	Tint	0	0–0 Idle 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green
14	Color Mix Mode	0	0–254 CTC CrossFade 255–255 Color Mix
15	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
16	Gobo Rotation	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
17	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
18	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
19	Gobo Rotation 2	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
20	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

CMY Extended Pan540 (continued)

Ch	Function	Default	DMX values
21	Gobo 3	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–77 Gobo 7 (wheel slot 8) 78–93 Gobo 1 (wheel slot 2) 94–109 Gobo 2 (wheel slot 3) 110–125 Gobo 3 (wheel slot 4) 126–141 Gobo 4 (wheel slot 5) 142–157 Gobo 5 (wheel slot 6) 158–173 Gobo 6 (wheel slot 7) 174–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
22	Prism	0	0–6 Open (wheel slot 1) 7–130 4-Facet Linear Prism (wheel slot 2) 131–255 4-Facet Circular Prism (wheel slot 3)
23	Prism Rotation	0	0–127 Prism Indexing 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
24	Prism Rotation Fine	0	Fine byte of Prism Rotation
25	Focus	127	
26	Focus Fine	255	Fine byte of Focus
27	Zoom	127	
28	Zoom Fine	255	Fine byte of Zoom
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 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
31	Dimmer Fine	0	Fine byte of Dimmer

CMY Extended Pan540 (continued)

Ch	Function	Default	DMX values
32	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
33	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
34	Iris Fine	0	Fine byte of Iris
35	Frost1	0	
36	Frost2	0	
37	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max
38	Animation Wheel1Pos	0	0–127 Animation Indexing 128–189 Animation Rotation CW Fast to Slow 190–193 No Rotation 194–255 Animation Rotation CCW Slow to Fast
39	Position MSpeed	0	0–225 Max to Min speed 226–235 Blackout by Movement 236–245 Blackout by All Wheel Changing 246–255 No Function
40	Control1	0	

CMY Extended Pan630

40 channels

Ch	Function	Default	DMX values
1	Pan	109	
2	Pan Fine	182	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Cyan	0	
6	Cyan Fine	0	Fine byte of Cyan
7	Magenta	0	

CMY Extended Pan630 (continued)

Ch	Function	Default	DMX values
8	Magenta Fine	0	Fine byte of Magenta
9	Yellow	0	
10	Yellow Fine	0	Fine byte of Yellow

CMY Extended Pan630 (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400 (wheel slot 2) 25–25 2500 (wheel slot 3) 26–26 2600 (wheel slot 4) 27–27 2700 (wheel slot 5) 28–28 2800 (wheel slot 6) 29–29 2900 (wheel slot 7) 30–30 3000 (wheel slot 8) 31–31 3100 (wheel slot 9) 32–32 3200 (wheel slot 10) 33–33 3300 (wheel slot 11) 34–34 3400 (wheel slot 12) 35–35 3500 (wheel slot 13) 36–36 3600 (wheel slot 14) 37–37 3700 (wheel slot 15) 38–38 3800 (wheel slot 16) 39–39 3900 (wheel slot 17) 40–40 4000 (wheel slot 18) 41–41 4100 (wheel slot 19) 42–42 4200 (wheel slot 20) 43–43 4300 (wheel slot 21) 44–44 4400 (wheel slot 22) 45–45 4500 (wheel slot 23) 46–46 4600 (wheel slot 24) 47–47 4700 (wheel slot 25) 48–48 4800 (wheel slot 26) 49–49 4900 (wheel slot 27) 50–50 5000 (wheel slot 28) 51–51 5100 (wheel slot 29) 52–52 5200 (wheel slot 30) 53–53 5300 (wheel slot 31) 54–54 5400 (wheel slot 32) 55–55 5500 (wheel slot 33) 56–56 5600 (wheel slot 34) 57–57 5700 (wheel slot 35) 58–58 5800 (wheel slot 36) 59–59 5900 (wheel slot 37) 60–60 6000 (wheel slot 38) 61–61 6100 (wheel slot 39) 62–62 6200 (wheel slot 40) 63–63 6300 (wheel slot 41) 64–64 6400 (wheel slot 42) 65–65 6500 (wheel slot 43) 66–66 6600 (wheel slot 44) 67–67 6700 (wheel slot 45) 68–68 6800 (wheel slot 46) 69–69 6900 (wheel slot 47) 70–70 7000 (wheel slot 48) 71–71 7100 (wheel slot 49) 72–72 7200 (wheel slot 50) 73–73 7300 (wheel slot 51) 74–74 7400 (wheel slot 52) 75–75 7500 (wheel slot 53) 76–76 7600 (wheel slot 54) 77–77 7700 (wheel slot 55) 78–78 7800 (wheel slot 56) 79–79 7900 (wheel slot 57) 80–80 8000 (wheel slot 58) 81–81 8100 (wheel slot 59) 82–82 8200 (wheel slot 60) 83–83 8300 (wheel slot 61) 84–84 8400 (wheel slot 62) 85–255 8500 (wheel slot 63)

CMY Extended Pan630 (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 Open (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

CMY Extended Pan630 (continued)

Ch	Function	Default	DMX values
13	Tint	0	0–0 Idle 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green
14	Color Mix Mode	0	0–254 CTC CrossFade 255–255 Color Mix
15	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
16	Gobo Rotation	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
17	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
18	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
19	Gobo Rotation 2	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
20	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

CMY Extended Pan630 (continued)

Ch	Function	Default	DMX values
21	Gobo 3	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–77 Gobo 7 (wheel slot 8) 78–93 Gobo 1 (wheel slot 2) 94–109 Gobo 2 (wheel slot 3) 110–125 Gobo 3 (wheel slot 4) 126–141 Gobo 4 (wheel slot 5) 142–157 Gobo 5 (wheel slot 6) 158–173 Gobo 6 (wheel slot 7) 174–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
22	Prism	0	0–6 Open (wheel slot 1) 7–130 4-Facet Linear Prism (wheel slot 2) 131–255 4-Facet Circular Prism (wheel slot 3)
23	Prism Rotation	0	0–127 Prism Indexing 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
24	Prism Rotation Fine	0	Fine byte of Prism Rotation
25	Focus	127	
26	Focus Fine	255	Fine byte of Focus
27	Zoom	127	
28	Zoom Fine	255	Fine byte of Zoom
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 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
31	Dimmer Fine	0	Fine byte of Dimmer

CMY Extended Pan630 (continued)

Ch	Function	Default	DMX values
32	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
33	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
34	Iris Fine	0	Fine byte of Iris
35	Frost1	0	
36	Frost2	0	
37	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max
38	Animation Wheel1Pos	0	0–127 Animation Indexing 128–189 Animation Rotation CW Fast to Slow 190–193 No Rotation 194–255 Animation Rotation CCW Slow to Fast
39	Position MSpeed	0	0–225 Max to Min speed 226–235 Blackout by Movement 236–245 Blackout by All Wheel Changing 246–255 No Function
40	Control1	0	

Extended Pan540

44 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Red	255	
6	Red Fine	255	Fine byte of Red
7	Green	255	

Extended Pan540 (continued)

Ch	Function	Default	DMX values
8	Green Fine	255	Fine byte of Green
9	Blue	255	
10	Blue Fine	255	Fine byte of Blue
11	Color Add GY	255	
12	Color Add GY Fine	255	Fine byte of Color Add GY
13	Color Add RY	255	
14	Color Add RY Fine	255	Fine byte of Color Add RY

Extended Pan540 (continued)

Ch	Function	Default	DMX values
15	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400 (wheel slot 2) 25–25 2500 (wheel slot 3) 26–26 2600 (wheel slot 4) 27–27 2700 (wheel slot 5) 28–28 2800 (wheel slot 6) 29–29 2900 (wheel slot 7) 30–30 3000 (wheel slot 8) 31–31 3100 (wheel slot 9) 32–32 3200 (wheel slot 10) 33–33 3300 (wheel slot 11) 34–34 3400 (wheel slot 12) 35–35 3500 (wheel slot 13) 36–36 3600 (wheel slot 14) 37–37 3700 (wheel slot 15) 38–38 3800 (wheel slot 16) 39–39 3900 (wheel slot 17) 40–40 4000 (wheel slot 18) 41–41 4100 (wheel slot 19) 42–42 4200 (wheel slot 20) 43–43 4300 (wheel slot 21) 44–44 4400 (wheel slot 22) 45–45 4500 (wheel slot 23) 46–46 4600 (wheel slot 24) 47–47 4700 (wheel slot 25) 48–48 4800 (wheel slot 26) 49–49 4900 (wheel slot 27) 50–50 5000 (wheel slot 28) 51–51 5100 (wheel slot 29) 52–52 5200 (wheel slot 30) 53–53 5300 (wheel slot 31) 54–54 5400 (wheel slot 32) 55–55 5500 (wheel slot 33) 56–56 5600 (wheel slot 34) 57–57 5700 (wheel slot 35) 58–58 5800 (wheel slot 36) 59–59 5900 (wheel slot 37) 60–60 6000 (wheel slot 38) 61–61 6100 (wheel slot 39) 62–62 6200 (wheel slot 40) 63–63 6300 (wheel slot 41) 64–64 6400 (wheel slot 42) 65–65 6500 (wheel slot 43) 66–66 6600 (wheel slot 44) 67–67 6700 (wheel slot 45) 68–68 6800 (wheel slot 46) 69–69 6900 (wheel slot 47) 70–70 7000 (wheel slot 48) 71–71 7100 (wheel slot 49) 72–72 7200 (wheel slot 50) 73–73 7300 (wheel slot 51) 74–74 7400 (wheel slot 52) 75–75 7500 (wheel slot 53) 76–76 7600 (wheel slot 54) 77–77 7700 (wheel slot 55) 78–78 7800 (wheel slot 56) 79–79 7900 (wheel slot 57) 80–80 8000 (wheel slot 58) 81–81 8100 (wheel slot 59) 82–82 8200 (wheel slot 60) 83–83 8300 (wheel slot 61) 84–84 8400 (wheel slot 62) 85–255 8500 (wheel slot 63)

Extended Pan540 (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 Open (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

Extended Pan540 (continued)

Ch	Function	Default	DMX values
17	Tint	0	0–0 Idle 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green
18	Color Mix Mode	0	0–254 CTC CrossFade 255–255 Color Mix
19	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
20	Gobo Rotation	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
21	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
22	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
23	Gobo Rotation 2	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
24	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Extended Pan540 (continued)

Ch	Function	Default	DMX values
25	Gobo 3	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–77 Gobo 7 (wheel slot 8) 78–93 Gobo 1 (wheel slot 2) 94–109 Gobo 2 (wheel slot 3) 110–125 Gobo 3 (wheel slot 4) 126–141 Gobo 4 (wheel slot 5) 142–157 Gobo 5 (wheel slot 6) 158–173 Gobo 6 (wheel slot 7) 174–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
26	Prism	0	0–6 Open (wheel slot 1) 7–130 4-Facet Linear Prism (wheel slot 2) 131–255 4-Facet Circular Prism (wheel slot 3)
27	Prism Rotation	0	0–127 Prism Indexing 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
28	Prism Rotation Fine	0	Fine byte of Prism Rotation
29	Focus	127	
30	Focus Fine	255	Fine byte of Focus
31	Zoom	127	
32	Zoom Fine	255	Fine byte of Zoom
33	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)
34	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
35	Dimmer Fine	0	Fine byte of Dimmer

Extended Pan540 (continued)

Ch	Function	Default	DMX values
36	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
37	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
38	Iris Fine	0	Fine byte of Iris
39	Frost1	0	
40	Frost2	0	
41	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max (wheel slot 1)
42	Animation Wheel1Pos	0	0–127 Animation Indexing 128–189 Animation Rotation CW Fast to Slow 190–193 No Rotation 194–255 Animation Rotation CCW Slow to Fast
43	Position MSpeed	0	0–225 Max to Min speed 226–235 Blackout by Movement 236–245 Blackout by All Wheel Changing 246–255 No Function
44	Control1	0	

Extended Pan630

44 channels

Ch	Function	Default	DMX values
1	Pan	109	
2	Pan Fine	182	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Red	255	
6	Red Fine	255	Fine byte of Red
7	Green	255	

Extended Pan630 (continued)

Ch	Function	Default	DMX values
8	Green Fine	255	Fine byte of Green
9	Blue	255	
10	Blue Fine	255	Fine byte of Blue
11	Color Add GY	255	
12	Color Add GY Fine	255	Fine byte of Color Add GY
13	Color Add RY	255	
14	Color Add RY Fine	255	Fine byte of Color Add RY

Extended Pan630 (continued)

Ch	Function	Default	DMX values
15	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400 (wheel slot 2) 25–25 2500 (wheel slot 3) 26–26 2600 (wheel slot 4) 27–27 2700 (wheel slot 5) 28–28 2800 (wheel slot 6) 29–29 2900 (wheel slot 7) 30–30 3000 (wheel slot 8) 31–31 3100 (wheel slot 9) 32–32 3200 (wheel slot 10) 33–33 3300 (wheel slot 11) 34–34 3400 (wheel slot 12) 35–35 3500 (wheel slot 13) 36–36 3600 (wheel slot 14) 37–37 3700 (wheel slot 15) 38–38 3800 (wheel slot 16) 39–39 3900 (wheel slot 17) 40–40 4000 (wheel slot 18) 41–41 4100 (wheel slot 19) 42–42 4200 (wheel slot 20) 43–43 4300 (wheel slot 21) 44–44 4400 (wheel slot 22) 45–45 4500 (wheel slot 23) 46–46 4600 (wheel slot 24) 47–47 4700 (wheel slot 25) 48–48 4800 (wheel slot 26) 49–49 4900 (wheel slot 27) 50–50 5000 (wheel slot 28) 51–51 5100 (wheel slot 29) 52–52 5200 (wheel slot 30) 53–53 5300 (wheel slot 31) 54–54 5400 (wheel slot 32) 55–55 5500 (wheel slot 33) 56–56 5600 (wheel slot 34) 57–57 5700 (wheel slot 35) 58–58 5800 (wheel slot 36) 59–59 5900 (wheel slot 37) 60–60 6000 (wheel slot 38) 61–61 6100 (wheel slot 39) 62–62 6200 (wheel slot 40) 63–63 6300 (wheel slot 41) 64–64 6400 (wheel slot 42) 65–65 6500 (wheel slot 43) 66–66 6600 (wheel slot 44) 67–67 6700 (wheel slot 45) 68–68 6800 (wheel slot 46) 69–69 6900 (wheel slot 47) 70–70 7000 (wheel slot 48) 71–71 7100 (wheel slot 49) 72–72 7200 (wheel slot 50) 73–73 7300 (wheel slot 51) 74–74 7400 (wheel slot 52) 75–75 7500 (wheel slot 53) 76–76 7600 (wheel slot 54) 77–77 7700 (wheel slot 55) 78–78 7800 (wheel slot 56) 79–79 7900 (wheel slot 57) 80–80 8000 (wheel slot 58) 81–81 8100 (wheel slot 59) 82–82 8200 (wheel slot 60) 83–83 8300 (wheel slot 61) 84–84 8400 (wheel slot 62) 85–255 8500 (wheel slot 63)

Extended Pan630 (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 Open (wheel slot 61) 180–201 CW fast to slow 202–207 Stop

Extended Pan630 (continued)

Ch	Function	Default	DMX values
17	Tint	0	0–0 Idle 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green
18	Color Mix Mode	0	0–254 CTC CrossFade 255–255 Color Mix
19	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
20	Gobo Rotation	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
21	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
22	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Gobo 1 (wheel slot 2) 90–109 Gobo 2 (wheel slot 3) 110–129 Gobo 3 (wheel slot 4) 130–149 Gobo 4 (wheel slot 5) 150–169 Gobo 5 (wheel slot 6) 170–189 Gobo 6 (wheel slot 7) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
23	Gobo Rotation 2	0	0–127 Gobo Indexing 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
24	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Extended Pan630 (continued)

Ch	Function	Default	DMX values
25	Gobo 3	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–77 Gobo 7 (wheel slot 8) 78–93 Gobo 1 (wheel slot 2) 94–109 Gobo 2 (wheel slot 3) 110–125 Gobo 3 (wheel slot 4) 126–141 Gobo 4 (wheel slot 5) 142–157 Gobo 5 (wheel slot 6) 158–173 Gobo 6 (wheel slot 7) 174–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
26	Prism	0	0–6 Open (wheel slot 1) 7–130 4-Facet Linear Prism (wheel slot 2) 131–255 4-Facet Circular Prism (wheel slot 3)
27	Prism Rotation	0	0–127 Prism Indexing 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
28	Prism Rotation Fine	0	Fine byte of Prism Rotation
29	Focus	127	
30	Focus Fine	255	Fine byte of Focus
31	Zoom	127	
32	Zoom Fine	255	Fine byte of Zoom
33	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)
34	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
35	Dimmer Fine	0	Fine byte of Dimmer

Extended Pan630 (continued)

Ch	Function	Default	DMX values
36	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
37	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
38	Iris Fine	0	Fine byte of Iris
39	Frost1	0	
40	Frost2	0	
41	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max (wheel slot 1)
42	Animation Wheel1Pos	0	0–127 Animation Indexing 128–189 Animation Rotation CW Fast to Slow 190–193 No Rotation 194–255 Animation Rotation CCW Slow to Fast
43	Position MSpeed	0	0–225 Max to Min speed 226–235 Blackout by Movement 236–245 Blackout by All Wheel Changing 246–255 No Function
44	Control1	0	