Elation

Fuze Max Profile



Manufacturer	**Elation**
Type	**Profile spot**
DMX modes	**8**
DMX footprint	**38, 40, 57, 61 channels**
Beam angle	**7-53°**
Pan range	**630°**
Tilt range	**250°**
Size (W × H × D)	**330 × 521 × 229 mm**
GDTF fixture type	**56CC66FD-3926-4052-8F90-EF…**

Controls

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

Safety-relevant functions

Strobe

DMX modes

CMY Pan540	38 ch
CMY Pan630	38 ch
Standard Pan540	40 ch
Standard Pan630	40 ch
CMY Extended Pan540	57 ch
CMY Extended Pan630	57 ch
Extended Pan540	61 ch
Extended Pan630	61 ch

CMY Pan540

38 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	
8	C TC	0	

CMY Pan540 (continued)

Ch	Function	Default	DMX values
9	Color Wheel	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 Tear me Up (wheel slot 2) 20–29 Super Sic (wheel slot 3) 30–39 Track Attack (wheel slot 4) 40–49 Leaf Breakup (wheel slot 5) 50–59 Bubble Trouble (wheel slot 6) 60–69 Texture Glass (wheel slot 7) 70–89 Tear me Up (wheel slot 2) 90–109 Super Sic (wheel slot 3) 110–129 Track Attack (wheel slot 4) 130–149 Leaf Breakup (wheel slot 5) 150–169 Bubble Trouble (wheel slot 6) 170–189 Texture Glass (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 Puddles (wheel slot 2) 20–29 Broken Dreams (wheel slot 3) 30–39 Sunset City (wheel slot 4) 40–49 Highway Math (wheel slot 5) 50–59 Starburst (wheel slot 6) 60–69 Beams (wheel slot 7) 70–77 Fuze Profile GW02 07 (wheel slot 8) 78–93 Puddles (wheel slot 2) 94–109 Broken Dreams (wheel slot 3) 110–125 Sunset City (wheel slot 4) 126–141 Highway Math (wheel slot 5) 142–157 Starburst (wheel slot 6) 158–173 Beams (wheel slot 7) 174–189 Fuze Profile GW02 07 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
15	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)
16	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
17	Focus	127	
18	Focus Fine	255	Fine byte of Focus
19	Zoom	127	
20	Zoom Fine	255	Fine byte of Zoom

CMY Pan540 (continued)

Ch	Function	Default	DMX values
21	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)
22	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
23	Dimmer Fine	0	Fine byte of Dimmer
24	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
25	Frost1	0	
26	Frost2	0	
27	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max (wheel slot 1)
28	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
29	Blade1A	0	
30	Blade1B	0	
31	Blade2A	0	
32	Blade2B	0	
33	Blade3A	0	
34	Blade3B	0	
35	Blade4A	0	
36	Blade4B	0	
37	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
38	Function	0	

CMY Pan630

38 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	
8	C TC	0	

CMY Pan630 (continued)

Ch	Function	Default	DMX values
9	Color Wheel	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 Tear me Up (wheel slot 2) 20–29 Super Sic (wheel slot 3) 30–39 Track Attack (wheel slot 4) 40–49 Leaf Breakup (wheel slot 5) 50–59 Bubble Trouble (wheel slot 6) 60–69 Texture Glass (wheel slot 7) 70–89 Tear me Up (wheel slot 2) 90–109 Super Sic (wheel slot 3) 110–129 Track Attack (wheel slot 4) 130–149 Leaf Breakup (wheel slot 5) 150–169 Bubble Trouble (wheel slot 6) 170–189 Texture Glass (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 Puddles (wheel slot 2) 20–29 Broken Dreams (wheel slot 3) 30–39 Sunset City (wheel slot 4) 40–49 Highway Math (wheel slot 5) 50–59 Starburst (wheel slot 6) 60–69 Beams (wheel slot 7) 70–77 Fuze Profile GW02 07 (wheel slot 8) 78–93 Puddles (wheel slot 2) 94–109 Broken Dreams (wheel slot 3) 110–125 Sunset City (wheel slot 4) 126–141 Highway Math (wheel slot 5) 142–157 Starburst (wheel slot 6) 158–173 Beams (wheel slot 7) 174–189 Fuze Profile GW02 07 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
15	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)
16	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
17	Focus	127	
18	Focus Fine	255	Fine byte of Focus
19	Zoom	127	
20	Zoom Fine	255	Fine byte of Zoom

CMY Pan630 (continued)

Ch	Function	Default	DMX values
21	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)
22	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
23	Dimmer Fine	0	Fine byte of Dimmer
24	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
25	Frost1	0	
26	Frost2	0	
27	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max (wheel slot 1)
28	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
29	Blade1A	0	
30	Blade1B	0	
31	Blade2A	0	
32	Blade2B	0	
33	Blade3A	0	
34	Blade3B	0	
35	Blade4A	0	
36	Blade4B	0	
37	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
38	Function	0	

Standard Pan540

40 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	
10	C TC	0	

Standard Pan540 (continued)

Ch	Function	Default	DMX values
11	Color Wheel	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 Tear me Up (wheel slot 2) 20–29 Super Sic (wheel slot 3) 30–39 Track Attack (wheel slot 4) 40–49 Leaf Breakup (wheel slot 5) 50–59 Bubble Trouble (wheel slot 6) 60–69 Texture Glass (wheel slot 7) 70–89 Tear me Up (wheel slot 2) 90–109 Super Sic (wheel slot 3) 110–129 Track Attack (wheel slot 4) 130–149 Leaf Breakup (wheel slot 5) 150–169 Bubble Trouble (wheel slot 6) 170–189 Texture Glass (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 Puddles (wheel slot 2) 20–29 Broken Dreams (wheel slot 3) 30–39 Sunset City (wheel slot 4) 40–49 Highway Math (wheel slot 5) 50–59 Starburst (wheel slot 6) 60–69 Beams (wheel slot 7) 70–77 Fuze Profile GW02 07 (wheel slot 8) 78–93 Puddles (wheel slot 2) 94–109 Broken Dreams (wheel slot 3) 110–125 Sunset City (wheel slot 4) 126–141 Highway Math (wheel slot 5) 142–157 Starburst (wheel slot 6) 158–173 Beams (wheel slot 7) 174–189 Fuze Profile GW02 07 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
17	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)
18	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
19	Focus	127	
20	Focus Fine	255	Fine byte of Focus
21	Zoom	127	
22	Zoom Fine	255	Fine byte of Zoom

Standard Pan540 (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 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
25	Dimmer Fine	0	Fine byte of Dimmer
26	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
27	Frost1	0	
28	Frost2	0	
29	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max (wheel slot 1)
30	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
31	Blade1A	0	
32	Blade1B	0	
33	Blade2A	0	
34	Blade2B	0	
35	Blade3A	0	
36	Blade3B	0	
37	Blade4A	0	
38	Blade4B	0	
39	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
40	Control1	0	

Standard 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	Red	255	
6	Green	255	
7	Blue	255	
8	Color Add GY	255	
9	Color Add RY	255	
10	C TC	0	

Standard Pan630 (continued)

Ch	Function	Default	DMX values
11	Color Wheel	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 Tear me Up (wheel slot 2) 20–29 Super Sic (wheel slot 3) 30–39 Track Attack (wheel slot 4) 40–49 Leaf Breakup (wheel slot 5) 50–59 Bubble Trouble (wheel slot 6) 60–69 Texture Glass (wheel slot 7) 70–89 Tear me Up (wheel slot 2) 90–109 Super Sic (wheel slot 3) 110–129 Track Attack (wheel slot 4) 130–149 Leaf Breakup (wheel slot 5) 150–169 Bubble Trouble (wheel slot 6) 170–189 Texture Glass (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 Puddles (wheel slot 2) 20–29 Broken Dreams (wheel slot 3) 30–39 Sunset City (wheel slot 4) 40–49 Highway Math (wheel slot 5) 50–59 Starburst (wheel slot 6) 60–69 Beams (wheel slot 7) 70–77 Fuze Profile GW02 07 (wheel slot 8) 78–93 Puddles (wheel slot 2) 94–109 Broken Dreams (wheel slot 3) 110–125 Sunset City (wheel slot 4) 126–141 Highway Math (wheel slot 5) 142–157 Starburst (wheel slot 6) 158–173 Beams (wheel slot 7) 174–189 Fuze Profile GW02 07 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
17	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)
18	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
19	Focus	127	
20	Focus Fine	255	Fine byte of Focus
21	Zoom	127	
22	Zoom Fine	255	Fine byte of Zoom

Standard Pan630 (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 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
25	Dimmer Fine	0	Fine byte of Dimmer
26	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
27	Frost1	0	
28	Frost2	0	
29	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max (wheel slot 1)
30	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
31	Blade1A	0	
32	Blade1B	0	
33	Blade2A	0	
34	Blade2B	0	
35	Blade3A	0	
36	Blade3B	0	
37	Blade4A	0	
38	Blade4B	0	
39	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
40	Function	0	

CMY Extended Pan540

57 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	C TC	0	

CMY Extended Pan540 (continued)

Ch	Function	Default	DMX values
12	Color Wheel	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	128	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 Tear me Up (wheel slot 2) 20–29 Super Sic (wheel slot 3) 30–39 Track Attack (wheel slot 4) 40–49 Leaf Breakup (wheel slot 5) 50–59 Bubble Trouble (wheel slot 6) 60–69 Texture Glass (wheel slot 7) 70–89 Tear me Up (wheel slot 2) 90–109 Super Sic (wheel slot 3) 110–129 Track Attack (wheel slot 4) 130–149 Leaf Breakup (wheel slot 5) 150–169 Bubble Trouble (wheel slot 6) 170–189 Texture Glass (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 Puddles (wheel slot 2) 20–29 Broken Dreams (wheel slot 3) 30–39 Sunset City (wheel slot 4) 40–49 Highway Math (wheel slot 5) 50–59 Starburst (wheel slot 6) 60–69 Beams (wheel slot 7) 70–77 Fuze Profile GW02 07 (wheel slot 8) 78–93 Puddles (wheel slot 2) 94–109 Broken Dreams (wheel slot 3) 110–125 Sunset City (wheel slot 4) 126–141 Highway Math (wheel slot 5) 142–157 Starburst (wheel slot 6) 158–173 Beams (wheel slot 7) 174–189 Fuze Profile GW02 07 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
19	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)
20	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
21	Prism Rotation Fine	0	Fine byte of Prism Rotation
22	Focus	127	
23	Focus Fine	255	Fine byte of Focus
24	Zoom	127	
25	Zoom Fine	255	Fine byte of Zoom

CMY Extended Pan540 (continued)

Ch	Function	Default	DMX values
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	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
30	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
31	Iris Fine	0	Fine byte of Iris
32	Frost1	0	
33	Frost2	0	
34	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max (wheel slot 1)
35	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
36	Blade1A	0	
37	Blade1A Fine	0	Fine byte of Blade1A
38	Blade1B	0	
39	Blade1B Fine	0	Fine byte of Blade1B

CMY Extended Pan540 (continued)

Ch	Function	Default	DMX values
40	Blade2A	0	
41	Blade2A Fine	0	Fine byte of Blade2A
42	Blade2B	0	
43	Blade2B Fine	0	Fine byte of Blade2B
44	Blade3A	0	
45	Blade3A Fine	0	Fine byte of Blade3A
46	Blade3B	0	
47	Blade3B Fine	0	Fine byte of Blade3B
48	Blade4A	0	
49	Blade4A Fine	0	Fine byte of Blade4A
50	Blade4B	0	
51	Blade4B Fine	0	Fine byte of Blade4B
52	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
53	Shaper Rot Fine	127	Fine byte of Shaper Rot
54	Shaper Macros Speed	0	
55	Shaper Macros	0	0–7 OFF 8–15 Framing Macro 1 16–23 Framing Macro 2 24–31 Framing Macro 3 32–39 Framing Macro 4 40–47 Framing Macro 5 48–55 Framing Macro 6 56–63 Framing Macro 7 64–71 Framing Macro 8 72–79 Framing Macro 9 80–87 Framing Macro 10 88–95 Framing Macro 11 96–103 Framing Macro 12 104–111 Framing Macro 13 112–119 Framing Macro 14 120–127 Framing Macro 15 128–135 Framing Macro 16 136–143 Framing Macro 17 144–151 Framing Macro 18 152–159 Framing Macro 19 160–167 Framing Macro 20 168–175 Framing Macro 21 176–183 Framing Macro 22 184–191 Framing Macro 23 192–199 Framing Macro 24 200–207 Framing Macro 25 208–215 Framing Macro 26 216–223 Framing Macro 27 224–231 Framing Macro 28 232–239 Framing Macro 29 240–247 Framing Macro 30 248–255 Framing Macro 31
56	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
57	Function	0	

CMY Extended Pan630

57 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	
8	Magenta Fine	0	Fine byte of Magenta
9	Yellow	0	
10	Yellow Fine	0	Fine byte of Yellow
11	C TC	0	

CMY Extended Pan630 (continued)

Ch	Function	Default	DMX values
12	Color Wheel	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	128	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 Tear me Up (wheel slot 2) 20–29 Super Sic (wheel slot 3) 30–39 Track Attack (wheel slot 4) 40–49 Leaf Breakup (wheel slot 5) 50–59 Bubble Trouble (wheel slot 6) 60–69 Texture Glass (wheel slot 7) 70–89 Tear me Up (wheel slot 2) 90–109 Super Sic (wheel slot 3) 110–129 Track Attack (wheel slot 4) 130–149 Leaf Breakup (wheel slot 5) 150–169 Bubble Trouble (wheel slot 6) 170–189 Texture Glass (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 Puddles (wheel slot 2) 20–29 Broken Dreams (wheel slot 3) 30–39 Sunset City (wheel slot 4) 40–49 Highway Math (wheel slot 5) 50–59 Starburst (wheel slot 6) 60–69 Beams (wheel slot 7) 70–77 Fuze Profile GW02 07 (wheel slot 8) 78–93 Puddles (wheel slot 2) 94–109 Broken Dreams (wheel slot 3) 110–125 Sunset City (wheel slot 4) 126–141 Highway Math (wheel slot 5) 142–157 Starburst (wheel slot 6) 158–173 Beams (wheel slot 7) 174–189 Fuze Profile GW02 07 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
19	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)
20	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
21	Prism Rotation Fine	0	Fine byte of Prism Rotation
22	Focus	127	
23	Focus Fine	255	Fine byte of Focus
24	Zoom	127	
25	Zoom Fine	255	Fine byte of Zoom

CMY Extended Pan630 (continued)

Ch	Function	Default	DMX values
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	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
30	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
31	Iris Fine	0	Fine byte of Iris
32	Frost1	0	
33	Frost2	0	
34	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max (wheel slot 1)
35	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
36	Blade1A	0	
37	Blade1A Fine	0	Fine byte of Blade1A
38	Blade1B	0	
39	Blade1B Fine	0	Fine byte of Blade1B

CMY Extended Pan630 (continued)

Ch	Function	Default	DMX values
40	Blade2A	0	
41	Blade2A Fine	0	Fine byte of Blade2A
42	Blade2B	0	
43	Blade2B Fine	0	Fine byte of Blade2B
44	Blade3A	0	
45	Blade3A Fine	0	Fine byte of Blade3A
46	Blade3B	0	
47	Blade3B Fine	0	Fine byte of Blade3B
48	Blade4A	0	
49	Blade4A Fine	0	Fine byte of Blade4A
50	Blade4B	0	
51	Blade4B Fine	0	Fine byte of Blade4B
52	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
53	Shaper Rot Fine	127	Fine byte of Shaper Rot
54	Beam Shaper Macro	0	
55	Shaper Macros	0	0–7 OFF 8–15 Framing Macro 1 16–23 Framing Macro 2 24–31 Framing Macro 3 32–39 Framing Macro 4 40–47 Framing Macro 5 48–55 Framing Macro 6 56–63 Framing Macro 7 64–71 Framing Macro 8 72–79 Framing Macro 9 80–87 Framing Macro 10 88–95 Framing Macro 11 96–103 Framing Macro 12 104–111 Framing Macro 13 112–119 Framing Macro 14 120–127 Framing Macro 15 128–135 Framing Macro 16 136–143 Framing Macro 17 144–151 Framing Macro 18 152–159 Framing Macro 19 160–167 Framing Macro 20 168–175 Framing Macro 21 176–183 Framing Macro 22 184–191 Framing Macro 23 192–199 Framing Macro 24 200–207 Framing Macro 25 208–215 Framing Macro 26 216–223 Framing Macro 27 224–231 Framing Macro 28 232–239 Framing Macro 29 240–247 Framing Macro 30 248–255 Framing Macro 31
56	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
57	Function	0	

Extended Pan540

61 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	
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
15	C TC	0	

Extended Pan540 (continued)

Ch	Function	Default	DMX values
16	Color Wheel	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	128	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 Tear me Up (wheel slot 2) 20–29 Super Sic (wheel slot 3) 30–39 Track Attack (wheel slot 4) 40–49 Leaf Breakup (wheel slot 5) 50–59 Bubble Trouble (wheel slot 6) 60–69 Texture Glass (wheel slot 7) 70–89 Tear me Up (wheel slot 2) 90–109 Super Sic (wheel slot 3) 110–129 Track Attack (wheel slot 4) 130–149 Leaf Breakup (wheel slot 5) 150–169 Bubble Trouble (wheel slot 6) 170–189 Texture Glass (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 Puddles (wheel slot 2) 20–29 Broken Dreams (wheel slot 3) 30–39 Sunset City (wheel slot 4) 40–49 Highway Math (wheel slot 5) 50–59 Starburst (wheel slot 6) 60–69 Beams (wheel slot 7) 70–77 Fuze Profile GW02 07 (wheel slot 8) 78–93 Puddles (wheel slot 2) 94–109 Broken Dreams (wheel slot 3) 110–125 Sunset City (wheel slot 4) 126–141 Highway Math (wheel slot 5) 142–157 Starburst (wheel slot 6) 158–173 Beams (wheel slot 7) 174–189 Fuze Profile GW02 07 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
23	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)
24	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
25	Prism Rotation Fine	0	Fine byte of Prism Rotation
26	Focus	127	
27	Focus Fine	255	Fine byte of Focus
28	Zoom	127	
29	Zoom Fine	255	Fine byte of Zoom

Extended Pan540 (continued)

Ch	Function	Default	DMX values
30	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)
31	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
32	Dimmer Fine	0	Fine byte of Dimmer
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	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
35	Iris Fine	0	Fine byte of Iris
36	Frost1	0	
37	Frost2	0	
38	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max (wheel slot 1)
39	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
40	Blade1A	0	
41	Blade1A Fine	0	Fine byte of Blade1A
42	Blade1B	0	
43	Blade1B Fine	0	Fine byte of Blade1B

Extended Pan540 (continued)

Ch	Function	Default	DMX values
44	Blade2A	0	
45	Blade2A Fine	0	Fine byte of Blade2A
46	Blade2B	0	
47	Blade2B Fine	0	Fine byte of Blade2B
48	Blade3A	0	
49	Blade3A Fine	0	Fine byte of Blade3A
50	Blade3B	0	
51	Blade3B Fine	0	Fine byte of Blade3B
52	Blade4A	0	
53	Blade4A Fine	0	Fine byte of Blade4A
54	Blade4B	0	
55	Blade4B Fine	0	Fine byte of Blade4B
56	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
57	Shaper Rot Fine	127	Fine byte of Shaper Rot
58	Shaper Macros Speed	0	
59	Shaper Macros	0	0–7 OFF 8–15 Framing Macro 1 16–23 Framing Macro 2 24–31 Framing Macro 3 32–39 Framing Macro 4 40–47 Framing Macro 5 48–55 Framing Macro 6 56–63 Framing Macro 7 64–71 Framing Macro 8 72–79 Framing Macro 9 80–87 Framing Macro 10 88–95 Framing Macro 11 96–103 Framing Macro 12 104–111 Framing Macro 13 112–119 Framing Macro 14 120–127 Framing Macro 15 128–135 Framing Macro 16 136–143 Framing Macro 17 144–151 Framing Macro 18 152–159 Framing Macro 19 160–167 Framing Macro 20 168–175 Framing Macro 21 176–183 Framing Macro 22 184–191 Framing Macro 23 192–199 Framing Macro 24 200–207 Framing Macro 25 208–215 Framing Macro 26 216–223 Framing Macro 27 224–231 Framing Macro 28 232–239 Framing Macro 29 240–247 Framing Macro 30 248–255 Framing Macro 31
60	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
61	Function	0	

Extended Pan630

61 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	
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
15	C TC	0	

Extended Pan630 (continued)

Ch	Function	Default	DMX values
16	Color Wheel	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	128	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 Tear me Up (wheel slot 2) 20–29 Super Sic (wheel slot 3) 30–39 Track Attack (wheel slot 4) 40–49 Leaf Breakup (wheel slot 5) 50–59 Bubble Trouble (wheel slot 6) 60–69 Texture Glass (wheel slot 7) 70–89 Tear me Up (wheel slot 2) 90–109 Super Sic (wheel slot 3) 110–129 Track Attack (wheel slot 4) 130–149 Leaf Breakup (wheel slot 5) 150–169 Bubble Trouble (wheel slot 6) 170–189 Texture Glass (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 Puddles (wheel slot 2) 20–29 Broken Dreams (wheel slot 3) 30–39 Sunset City (wheel slot 4) 40–49 Highway Math (wheel slot 5) 50–59 Starburst (wheel slot 6) 60–69 Beams (wheel slot 7) 70–77 Fuze Profile GW02 07 (wheel slot 8) 78–93 Puddles (wheel slot 2) 94–109 Broken Dreams (wheel slot 3) 110–125 Sunset City (wheel slot 4) 126–141 Highway Math (wheel slot 5) 142–157 Starburst (wheel slot 6) 158–173 Beams (wheel slot 7) 174–189 Fuze Profile GW02 07 (wheel slot 8) 190–221 Gobo Wheel Rotation CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Rotation CCW Slow to Fast
23	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)
24	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
25	Prism Rotation Fine	0	Fine byte of Prism Rotation
26	Focus	127	
27	Focus Fine	255	Fine byte of Focus
28	Zoom	127	
29	Zoom Fine	255	Fine byte of Zoom

Extended Pan630 (continued)

Ch	Function	Default	DMX values
30	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)
31	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
32	Dimmer Fine	0	Fine byte of Dimmer
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	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
35	Iris Fine	0	Fine byte of Iris
36	Frost1	0	
37	Frost2	0	
38	Animation Wheel1	0	0–7 Open 8–255 Animation Min to Max (wheel slot 1)
39	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
40	Blade1A	0	
41	Blade1A Fine	0	Fine byte of Blade1A
42	Blade1B	0	
43	Blade1B Fine	0	Fine byte of Blade1B

Extended Pan630 (continued)

Ch	Function	Default	DMX values
44	Blade2A	0	
45	Blade2A Fine	0	Fine byte of Blade2A
46	Blade2B	0	
47	Blade2B Fine	0	Fine byte of Blade2B
48	Blade3A	0	
49	Blade3A Fine	0	Fine byte of Blade3A
50	Blade3B	0	
51	Blade3B Fine	0	Fine byte of Blade3B
52	Blade4A	0	
53	Blade4A Fine	0	Fine byte of Blade4A
54	Blade4B	0	
55	Blade4B Fine	0	Fine byte of Blade4B
56	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
57	Shaper Rot Fine	127	Fine byte of Shaper Rot
58	Shaper Macros Speed	0	
59	Shaper Macros	0	0–7 OFF 8–15 Framing Macro 1 16–23 Framing Macro 2 24–31 Framing Macro 3 32–39 Framing Macro 4 40–47 Framing Macro 5 48–55 Framing Macro 6 56–63 Framing Macro 7 64–71 Framing Macro 8 72–79 Framing Macro 9 80–87 Framing Macro 10 88–95 Framing Macro 11 96–103 Framing Macro 12 104–111 Framing Macro 13 112–119 Framing Macro 14 120–127 Framing Macro 15 128–135 Framing Macro 16 136–143 Framing Macro 17 144–151 Framing Macro 18 152–159 Framing Macro 19 160–167 Framing Macro 20 168–175 Framing Macro 21 176–183 Framing Macro 22 184–191 Framing Macro 23 192–199 Framing Macro 24 200–207 Framing Macro 25 208–215 Framing Macro 26 216–223 Framing Macro 27 224–231 Framing Macro 28 232–239 Framing Macro 29 240–247 Framing Macro 30 248–255 Framing Macro 31
60	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
61	Function	0	