Elation

Fuze Wash FR



Manufacturer	**Elation**
Type	**Profile spot**
DMX modes	**8**
DMX footprint	**27, 29, 43, 47 channels**
Beam angle	**7-42°**
Pan range	**630°**
Tilt range	**250°**
Size (W × H × D)	**330 × 521 × 229 mm**
GDTF fixture type	**2F70BFB5-F75D-41F1-A6FF-395…**

Controls

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

Safety-relevant functions

Strobe

DMX modes

CMY Pan540	27 ch
CMY Pan630	27 ch
Standard Pan540	29 ch
Standard Pan630	29 ch
CMY Extended Pan540	43 ch
CMY Extended Pan630	43 ch
Extended Pan540	47 ch
Extended Pan630	47 ch

CMY Pan540

27 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	Focus	127	
11	Zoom	127	
12	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)
13	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
14	Dimmer Fine	0	Fine byte of Dimmer
15	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
16	Frost1	0	
17	Frost2	0	
18	Blade1A	0	
19	Blade1B	0	
20	Blade2A	0	
21	Blade2B	0	
22	Blade3A	0	
23	Blade3B	0	
24	Blade4A	0	
25	Blade4B	0	
26	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
27	Control1	0	

CMY Pan630

27 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	Focus	127	
11	Zoom	127	
12	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)
13	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
14	Dimmer Fine	0	Fine byte of Dimmer
15	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
16	Frost1	0	
17	Frost2	0	
18	Blade1A	0	
19	Blade1B	0	
20	Blade2A	0	
21	Blade2B	0	
22	Blade3A	0	
23	Blade3B	0	
24	Blade4A	0	
25	Blade4B	0	
26	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
27	Control1	0	

Standard Pan540

29 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	0	
6	Green	0	
7	Blue	0	
8	Color Add GY	0	
9	Color Add RY	0	

Standard Pan540 (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–23 Disable (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	Focus	127	
13	Zoom	127	
14	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)
15	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
16	Dimmer Fine	0	Fine byte of Dimmer
17	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
18	Frost1	0	
19	Frost2	0	
20	Blade1A	0	
21	Blade1B	0	
22	Blade2A	0	
23	Blade2B	0	
24	Blade3A	0	
25	Blade3B	0	
26	Blade4A	0	
27	Blade4B	0	
28	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
29	Control1	0	

Standard Pan630

29 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	0	
6	Green	0	
7	Blue	0	
8	Color Add GY	0	
9	Color Add RY	0	

Standard Pan630 (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–23 Disable (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	Focus	127	
13	Zoom	127	
14	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)
15	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
16	Dimmer Fine	0	Fine byte of Dimmer
17	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
18	Frost1	0	
19	Frost2	0	
20	Blade1A	0	
21	Blade1B	0	
22	Blade2A	0	
23	Blade2B	0	
24	Blade3A	0	
25	Blade3B	0	
26	Blade4A	0	
27	Blade4B	0	
28	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
29	Control1	0	

CMY Extended Pan540

43 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	Focus	127	
15	Zoom	127	
16	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)
17	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
18	Dimmer Fine	0	Fine byte of Dimmer
19	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
20	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
21	Frost1	0	
22	Frost2	0	
23	Blade1A	0	
24	Blade1A Fine	0	Fine byte of Blade1A
25	Blade1B	0	
26	Blade1B Fine	0	Fine byte of Blade1B

CMY Extended Pan540 (continued)

Ch	Function	Default	DMX values
27	Blade2A	0	
28	Blade2A Fine	0	Fine byte of Blade2A
29	Blade2B	0	
30	Blade2B Fine	0	Fine byte of Blade2B
31	Blade3A	0	
32	Blade3A Fine	0	Fine byte of Blade3A
33	Blade3B	0	
34	Blade3B Fine	0	Fine byte of Blade3B
35	Blade4A	0	
36	Blade4A Fine	0	Fine byte of Blade4A
37	Blade4B	0	
38	Blade4B Fine	0	Fine byte of Blade4B
39	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
40	Frame MSpeed	0	
41	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
42	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
43	Control1	0	

CMY Extended Pan630

43 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

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	128	0–0 Idle 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green
14	Focus	127	
15	Zoom	127	
16	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)
17	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
18	Dimmer Fine	0	Fine byte of Dimmer
19	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
20	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
21	Frost1	0	
22	Frost2	0	
23	Blade1A	0	
24	Blade1A Fine	0	Fine byte of Blade1A
25	Blade1B	0	
26	Blade1B Fine	0	Fine byte of Blade1B

CMY Extended Pan630 (continued)

Ch	Function	Default	DMX values
27	Blade2A	0	
28	Blade2A Fine	0	Fine byte of Blade2A
29	Blade2B	0	
30	Blade2B Fine	0	Fine byte of Blade2B
31	Blade3A	0	
32	Blade3A Fine	0	Fine byte of Blade3A
33	Blade3B	0	
34	Blade3B Fine	0	Fine byte of Blade3B
35	Blade4A	0	
36	Blade4A Fine	0	Fine byte of Blade4A
37	Blade4B	0	
38	Blade4B Fine	0	Fine byte of Blade4B
39	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
40	Frame MSpeed	0	
41	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
42	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
43	Control1	0	

Extended Pan540

47 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	0	
6	Red Fine	0	Fine byte of Red
7	Green	0	
8	Green Fine	0	Fine byte of Green
9	Blue	0	
10	Blue Fine	0	Fine byte of Blue
11	Color Add GY	0	
12	Color Add GY Fine	0	Fine byte of Color Add GY
13	Color Add RY	0	
14	Color Add RY Fine	0	Fine byte of Color Add RY

Extended Pan540 (continued)

Ch	Function	Default	DMX values
15	Color Wheel	0	0–23 Disable (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	Focus	127	
19	Zoom	127	
20	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)
21	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
22	Dimmer Fine	0	Fine byte of Dimmer
23	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
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	Blade1A	0	
28	Blade1A Fine	0	Fine byte of Blade1A
29	Blade1B	0	
30	Blade1B Fine	0	Fine byte of Blade1B

Extended Pan540 (continued)

Ch	Function	Default	DMX values
31	Blade2A	0	
32	Blade2A Fine	0	Fine byte of Blade2A
33	Blade2B	0	
34	Blade2B Fine	0	Fine byte of Blade2B
35	Blade3A	0	
36	Blade3A Fine	0	Fine byte of Blade3A
37	Blade3B	0	
38	Blade3B Fine	0	Fine byte of Blade3B
39	Blade4A	0	
40	Blade4A Fine	0	Fine byte of Blade4A
41	Blade4B	0	
42	Blade4B Fine	0	Fine byte of Blade4B
43	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
44	Frame MSpeed	0	
45	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
46	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
47	Control1	0	

Extended Pan630

47 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	0	
6	Red Fine	0	Fine byte of Red
7	Green	0	
8	Green Fine	0	Fine byte of Green
9	Blue	0	
10	Blue Fine	0	Fine byte of Blue
11	Color Add GY	0	
12	Color Add GY Fine	0	Fine byte of Color Add GY
13	Color Add RY	0	
14	Color Add RY Fine	0	Fine byte of Color Add RY

Extended Pan630 (continued)

Ch	Function	Default	DMX values
15	Color Wheel	0	0–23 Disable (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	Focus	127	
19	Zoom	127	
20	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)
21	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
22	Dimmer Fine	0	Fine byte of Dimmer
23	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
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	Blade1A	0	
28	Blade1A Fine	0	Fine byte of Blade1A
29	Blade1B	0	
30	Blade1B Fine	0	Fine byte of Blade1B

Extended Pan630 (continued)

Ch	Function	Default	DMX values
31	Blade2A	0	
32	Blade2A Fine	0	Fine byte of Blade2A
33	Blade2B	0	
34	Blade2B Fine	0	Fine byte of Blade2B
35	Blade3A	0	
36	Blade3A Fine	0	Fine byte of Blade3A
37	Blade3B	0	
38	Blade3B Fine	0	Fine byte of Blade3B
39	Blade4A	0	
40	Blade4A Fine	0	Fine byte of Blade4A
41	Blade4B	0	
42	Blade4B Fine	0	Fine byte of Blade4B
43	Shaper Rot	127	0–126 Min (-60 degrees) 127–128 Parallel (0 degrees) 129–255 Max (+60 degrees)
44	Frame MSpeed	0	
45	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
46	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
47	Control1	0	