ADJ

Focus Spot 7Z



Manufacturer	**ADJ**
Type	**Profile spot**
DMX modes	**6**
DMX footprint	**30, 34, 45 channels**
Beam angle	**6-48°**
Pan range	**630°**
Tilt range	**270°**
Size (W × H × D)	**330 × 521 × 229 mm**
GDTF fixture type	**5B177AF0-A79C-493D-8AF2-D4…**

Controls

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

Safety-relevant functions

Strobe

DMX modes

Basic (30) Pan540	30 ch
Basic (30) Pan630	30 ch
Standard (34) Pan540	34 ch
Standard (34) Pan630	34 ch
Extended (45) Pan540	45 ch
Extended (45) Pan630	45 ch

Basic (30) Pan540

30 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Tilt	127	
3	Cyan	0	
4	Magenta	0	
5	Yellow	0	
6	C TO	0	
7	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400 (wheel slot 5) 25–25 2500 (wheel slot 6) 26–26 2600 (wheel slot 7) 27–27 2700 (wheel slot 8) 28–28 2800 (wheel slot 9) 29–29 2900 (wheel slot 10) 30–30 3000 (wheel slot 11) 31–31 3100 (wheel slot 12) 32–32 3200 (wheel slot 13) 33–33 3300 (wheel slot 14) 34–34 3400 (wheel slot 15) 35–35 3500 (wheel slot 16) 36–36 3600 (wheel slot 17) 37–37 3700 (wheel slot 18) 38–38 3800 (wheel slot 19) 39–39 3900 (wheel slot 20) 40–40 4000 (wheel slot 21) 41–41 4100 (wheel slot 22) 42–42 4200 (wheel slot 23) 43–43 4300 (wheel slot 24) 44–44 4400 (wheel slot 25) 45–45 4500 (wheel slot 26) 46–46 4600 (wheel slot 27) 47–47 4700 (wheel slot 28) 48–48 4800 (wheel slot 29) 49–49 4900 (wheel slot 30) 50–50 5000 (wheel slot 31) 51–51 5100 (wheel slot 32) 52–52 5200 (wheel slot 33) 53–53 5300 (wheel slot 34) 54–54 5400 (wheel slot 35) 55–55 5500 (wheel slot 36) 56–56 5600 (wheel slot 37) 57–57 5700 (wheel slot 38) 58–58 5800 (wheel slot 39) 59–59 5900 (wheel slot 40) 60–60 6000 (wheel slot 41) 61–61 6100 (wheel slot 42) 62–62 6200 (wheel slot 43) 63–63 6300 (wheel slot 44) 64–255 6700 (wheel slot 45)

Basic (30) Pan540 (continued)

Ch	Function	Default	DMX values
8	Color Wheel 2	0	0–4 Open (wheel slot 1) 5–17 Open / Red (wheel slot 1) 18–30 Red (wheel slot 2) 31–43 Red / Blue (wheel slot 2) 44–56 Blue (wheel slot 3) 57–69 Blue / Green (wheel slot 3) 70–82 Green (wheel slot 4) 83–95 Green / Orange (wheel slot 4) 96–108 Orange (wheel slot 5) 109–121 Orange / Midnight Blue (wheel slot 5) 122–134 Midnight Blue (wheel slot 6) 135–147 Midnight Blue / High CRI Filter (wheel slot 6) 148–160 High CRI Filter (wheel slot 7) 161–173 High CRI Filter / CTB (5600K) (wheel slot 7) 174–186 CTB (wheel slot 8) 187–199 CTB (5600K) / Open (wheel slot 8) 200–226 Clockwise Color Wheel Rotation Fast to Slow 227–228 No Rotation 229–255 Counter Clockwise Color Wheel Rotation Fast to Sl…
9	Color Macro1	0	0–31 OFF 32–39 Color Macro 1 40–47 Color Macro 2 48–55 Color Macro 3 56–63 Color Macro 4 64–71 Color Macro 5 72–79 Color Macro 6 80–87 Color Macro 7 88–95 Color Macro 8 96–103 Color Macro 9 104–111 Color Macro 10 112–119 Color Macro 11 120–127 Color Macro 12 128–135 Color Macro 13 136–143 Color Macro 14 144–151 Color Macro 15 152–159 Color Macro 16 160–167 Color Macro 17 168–175 Color Macro 18 176–184 Color Macro 19 185–191 Color Macro 20 192–199 Color Macro 21 200–207 Color Macro 22 208–216 Color Macro 23 217–223 Color Macro 24 224–231 Color Macro 25 232–238 Color Macro 26 239–247 Color Macro 27 248–255 Random CMY

Basic (30) Pan540 (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
11	Gobo Rotation	0	0–5 Rotation Off 6–127 Gobo Indexing 0 to 540 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
12	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
13	Gobo Rotation 2	0	0–5 Rotating Off 6–128 Gobo Indexing 0 to 540 129–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
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	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 1 (6 Facet Linear) (wheel slot 2)

Basic (30) Pan540 (continued)

Ch	Function	Default	DMX values
17	Prism Rotation	0	0–127 Prism Indexing (wheel slot 2) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
18	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 2 (4 Facet Square) (wheel slot 3)
19	Prism Rotation	0	0–127 Prism Indexing (wheel slot 3) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
20	Prism	0	0–9 No Prism - Open 10–19 Macro 1 20–29 Macro 2 30–39 Macro 3 40–49 Macro 4 50–59 Macro 5 60–69 Macro 6 70–79 Macro 7 80–89 Macro 8 90–99 Macro 9 100–109 Macro 10 110–119 Macro 11 120–129 Macro 12 130–139 Macro 13 140–149 Macro 14 150–159 Macro 15 160–169 Macro 16 170–179 Macro 17 180–189 Macro 18 190–199 Macro 19 200–209 Macro 20 210–219 Macro 21 220–229 Macro 22 230–239 Macro 23 240–255 Macro 24
21	Focus	127	
22	Zoom	127	
23	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
24	Frost1	0	
25	Frost2	0	
26	Animation Wheel1	0	0–5 Wheel Rot Off 6–128 Animation Index 0 to 540 (wheel slot 1) 129–191 Clockwise Animation Rotation Fast to Slow (wheel ... 192–192 No Rotation (wheel slot 1) 193–255 Counter Clockwise Animation Rotation Slow to Fas...

Basic (30) Pan540 (continued)

Ch	Function	Default	DMX values
27	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
28	Color Macro1Rate	0	
29	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
30	Control1	0	

Basic (30) Pan630

30 channels

Ch	Function	Default	DMX values
1	Pan	109	
2	Tilt	127	
3	Cyan	0	
4	Magenta	0	
5	Yellow	0	
6	C TO	0	

Basic (30) Pan630 (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400 (wheel slot 5) 25–25 2500 (wheel slot 6) 26–26 2600 (wheel slot 7) 27–27 2700 (wheel slot 8) 28–28 2800 (wheel slot 9) 29–29 2900 (wheel slot 10) 30–30 3000 (wheel slot 11) 31–31 3100 (wheel slot 12) 32–32 3200 (wheel slot 13) 33–33 3300 (wheel slot 14) 34–34 3400 (wheel slot 15) 35–35 3500 (wheel slot 16) 36–36 3600 (wheel slot 17) 37–37 3700 (wheel slot 18) 38–38 3800 (wheel slot 19) 39–39 3900 (wheel slot 20) 40–40 4000 (wheel slot 21) 41–41 4100 (wheel slot 22) 42–42 4200 (wheel slot 23) 43–43 4300 (wheel slot 24) 44–44 4400 (wheel slot 25) 45–45 4500 (wheel slot 26) 46–46 4600 (wheel slot 27) 47–47 4700 (wheel slot 28) 48–48 4800 (wheel slot 29) 49–49 4900 (wheel slot 30) 50–50 5000 (wheel slot 31) 51–51 5100 (wheel slot 32) 52–52 5200 (wheel slot 33) 53–53 5300 (wheel slot 34) 54–54 5400 (wheel slot 35) 55–55 5500 (wheel slot 36) 56–56 5600 (wheel slot 37) 57–57 5700 (wheel slot 38) 58–58 5800 (wheel slot 39) 59–59 5900 (wheel slot 40) 60–60 6000 (wheel slot 41) 61–61 6100 (wheel slot 42) 62–62 6200 (wheel slot 43) 63–63 6300 (wheel slot 44) 64–255 6700 (wheel slot 45)
8	Color Wheel 2	0	0–4 Open (wheel slot 1) 5–17 Open / Red (wheel slot 1) 18–30 Red (wheel slot 2) 31–43 Red / Blue (wheel slot 2) 44–56 Blue (wheel slot 3) 57–69 Blue / Green (wheel slot 3) 70–82 Green (wheel slot 4) 83–95 Green / Orange (wheel slot 4) 96–108 Orange (wheel slot 5) 109–121 Orange / Midnight Blue (wheel slot 5) 122–134 Midnight Blue (wheel slot 6) 135–147 Midnight Blue / High CRI Filter (wheel slot 6) 148–160 High CRI Filter (wheel slot 7) 161–173 High CRI Filter / CTB (5600K) (wheel slot 7) 174–186 CTB (wheel slot 8) 187–199 CTB (5600K) / Open (wheel slot 8) 200–226 Clockwise Color Wheel Rotation Fast to Slow 227–228 No Rotation 229–255 Counter Clockwise Color Wheel Rotation Fast to Sl…

Basic (30) Pan630 (continued)

Ch	Function	Default	DMX values
9	Color Macro1	0	0–31 OFF 32–39 Color Macro 1 40–47 Color Macro 2 48–55 Color Macro 3 56–63 Color Macro 4 64–71 Color Macro 5 72–79 Color Macro 6 80–87 Color Macro 7 88–95 Color Macro 8 96–103 Color Macro 9 104–111 Color Macro 10 112–119 Color Macro 11 120–127 Color Macro 12 128–135 Color Macro 13 136–143 Color Macro 14 144–151 Color Macro 15 152–159 Color Macro 16 160–167 Color Macro 17 168–175 Color Macro 18 176–184 Color Macro 19 185–191 Color Macro 20 192–199 Color Macro 21 200–207 Color Macro 22 208–216 Color Macro 23 217–223 Color Macro 24 224–231 Color Macro 25 232–238 Color Macro 26 239–247 Color Macro 27 248–255 Random CMY
10	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
11	Gobo Rotation	0	0–5 Rotation Off 6–127 Gobo Indexing 0 to 540 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast

Basic (30) Pan630 (continued)

Ch	Function	Default	DMX values
12	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
13	Gobo Rotation 2	0	0–5 Rotating Off 6–128 Gobo Indexing 0 to 540 129–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
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	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 1 (6 Facet Linear) (wheel slot 2)
17	Prism Rotation	0	0–127 Prism Indexing (wheel slot 2) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
18	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 2 (4 Facet Square) (wheel slot 3)
19	Prism Rotation	0	0–127 Prism Indexing (wheel slot 3) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast

Basic (30) Pan630 (continued)

Ch	Function	Default	DMX values
20	Prism	0	0–9 No Prism - Open 10–19 Macro 1 20–29 Macro 2 30–39 Macro 3 40–49 Macro 4 50–59 Macro 5 60–69 Macro 6 70–79 Macro 7 80–89 Macro 8 90–99 Macro 9 100–109 Macro 10 110–119 Macro 11 120–129 Macro 12 130–139 Macro 13 140–149 Macro 14 150–159 Macro 15 160–169 Macro 16 170–179 Macro 17 180–189 Macro 18 190–199 Macro 19 200–209 Macro 20 210–219 Macro 21 220–229 Macro 22 230–239 Macro 23 240–255 Macro 24
21	Focus	127	
22	Zoom	127	
23	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
24	Frost1	0	
25	Frost2	0	
26	Animation Wheel1	0	0–5 Wheel Rot Off 6–128 Animation Index 0 to 540 (wheel slot 1) 129–191 Clockwise Animation Rotation Fast to Slow (wheel ... 192–192 No Rotation (wheel slot 1) 193–255 Counter Clockwise Animation Rotation Slow to Fas...

Basic (30) Pan630 (continued)

Ch	Function	Default	DMX values
27	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
28	Color Macro1Rate	0	
29	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
30	Control1	0	

Standard (34) Pan540

34 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	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 TO	0	

Standard (34) Pan540 (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400 (wheel slot 5) 25–25 2500 (wheel slot 6) 26–26 2600 (wheel slot 7) 27–27 2700 (wheel slot 8) 28–28 2800 (wheel slot 9) 29–29 2900 (wheel slot 10) 30–30 3000 (wheel slot 11) 31–31 3100 (wheel slot 12) 32–32 3200 (wheel slot 13) 33–33 3300 (wheel slot 14) 34–34 3400 (wheel slot 15) 35–35 3500 (wheel slot 16) 36–36 3600 (wheel slot 17) 37–37 3700 (wheel slot 18) 38–38 3800 (wheel slot 19) 39–39 3900 (wheel slot 20) 40–40 4000 (wheel slot 21) 41–41 4100 (wheel slot 22) 42–42 4200 (wheel slot 23) 43–43 4300 (wheel slot 24) 44–44 4400 (wheel slot 25) 45–45 4500 (wheel slot 26) 46–46 4600 (wheel slot 27) 47–47 4700 (wheel slot 28) 48–48 4800 (wheel slot 29) 49–49 4900 (wheel slot 30) 50–50 5000 (wheel slot 31) 51–51 5100 (wheel slot 32) 52–52 5200 (wheel slot 33) 53–53 5300 (wheel slot 34) 54–54 5400 (wheel slot 35) 55–55 5500 (wheel slot 36) 56–56 5600 (wheel slot 37) 57–57 5700 (wheel slot 38) 58–58 5800 (wheel slot 39) 59–59 5900 (wheel slot 40) 60–60 6000 (wheel slot 41) 61–61 6100 (wheel slot 42) 62–62 6200 (wheel slot 43) 63–63 6300 (wheel slot 44) 64–255 6700 (wheel slot 45)
10	Color Wheel 2	0	0–4 Open (wheel slot 1) 5–17 Open / Red (wheel slot 1) 18–30 Red (wheel slot 2) 31–43 Red / Blue (wheel slot 2) 44–56 Blue (wheel slot 3) 57–69 Blue / Green (wheel slot 3) 70–82 Green (wheel slot 4) 83–95 Green / Orange (wheel slot 4) 96–108 Orange (wheel slot 5) 109–121 Orange / Midnight Blue (wheel slot 5) 122–134 Midnight Blue (wheel slot 6) 135–147 Midnight Blue / High CRI Filter (wheel slot 6) 148–160 High CRI Filter (wheel slot 7) 161–173 High CRI Filter / CTB (5600K) (wheel slot 7) 174–186 CTB (wheel slot 8) 187–199 CTB (5600K) / Open (wheel slot 8) 200–226 Clockwise Color Wheel Rotation Fast to Slow 227–228 No Rotation 229–255 Counter Clockwise Color Wheel Rotation Fast to Sl…

Standard (34) Pan540 (continued)

Ch	Function	Default	DMX values
11	Color Macro1	0	0–31 OFF 32–39 Color Macro 1 40–47 Color Macro 2 48–55 Color Macro 3 56–63 Color Macro 4 64–71 Color Macro 5 72–79 Color Macro 6 80–87 Color Macro 7 88–95 Color Macro 8 96–103 Color Macro 9 104–111 Color Macro 10 112–119 Color Macro 11 120–127 Color Macro 12 128–135 Color Macro 13 136–143 Color Macro 14 144–151 Color Macro 15 152–159 Color Macro 16 160–167 Color Macro 17 168–175 Color Macro 18 176–184 Color Macro 19 185–191 Color Macro 20 192–199 Color Macro 21 200–207 Color Macro 22 208–216 Color Macro 23 217–223 Color Macro 24 224–231 Color Macro 25 232–238 Color Macro 26 239–247 Color Macro 27 248–255 Random CMY
12	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
13	Gobo Rotation	0	0–5 Rotation Off 6–127 Gobo Indexing 0 to 540 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast

Standard (34) Pan540 (continued)

Ch	Function	Default	DMX values
14	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
15	Gobo Rotation 2	0	0–5 Rotating Off 6–128 Gobo Indexing 0 to 540 129–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
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	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 1 (6 Facet Linear) (wheel slot 2)
20	Prism Rotation	0	0–127 Prism Indexing (wheel slot 2) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
21	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 2 (4 Facet Square) (wheel slot 3)
22	Prism Rotation	0	0–127 Prism Indexing (wheel slot 3) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast

Standard (34) Pan540 (continued)

Ch	Function	Default	DMX values
23	Prism	0	0–9 No Prism - Open 10–19 Macro 1 20–29 Macro 2 30–39 Macro 3 40–49 Macro 4 50–59 Macro 5 60–69 Macro 6 70–79 Macro 7 80–89 Macro 8 90–99 Macro 9 100–109 Macro 10 110–119 Macro 11 120–129 Macro 12 130–139 Macro 13 140–149 Macro 14 150–159 Macro 15 160–169 Macro 16 170–179 Macro 17 180–189 Macro 18 190–199 Macro 19 200–209 Macro 20 210–219 Macro 21 220–229 Macro 22 230–239 Macro 23 240–255 Macro 24
24	Focus	127	
25	Zoom	127	
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	0–5 Wheel Rot Off 6–128 Animation Index 0 to 540 (wheel slot 1) 129–191 Clockwise Animation Rotation Fast to Slow (wheel ... 192–192 No Rotation (wheel slot 1) 193–255 Counter Clockwise Animation Rotation Slow to Fas...

Standard (34) Pan540 (continued)

Ch	Function	Default	DMX values
30	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
31	Dimmer Curve	0	0–20 Square 21–40 Linear 41–60 Inverted Square 61–80 S Curve 81–255 No function
32	Color Macro1Rate	0	
33	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
34	Control1	0	

Standard (34) Pan630

34 channels

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

Standard (34) Pan630 (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400 (wheel slot 5) 25–25 2500 (wheel slot 6) 26–26 2600 (wheel slot 7) 27–27 2700 (wheel slot 8) 28–28 2800 (wheel slot 9) 29–29 2900 (wheel slot 10) 30–30 3000 (wheel slot 11) 31–31 3100 (wheel slot 12) 32–32 3200 (wheel slot 13) 33–33 3300 (wheel slot 14) 34–34 3400 (wheel slot 15) 35–35 3500 (wheel slot 16) 36–36 3600 (wheel slot 17) 37–37 3700 (wheel slot 18) 38–38 3800 (wheel slot 19) 39–39 3900 (wheel slot 20) 40–40 4000 (wheel slot 21) 41–41 4100 (wheel slot 22) 42–42 4200 (wheel slot 23) 43–43 4300 (wheel slot 24) 44–44 4400 (wheel slot 25) 45–45 4500 (wheel slot 26) 46–46 4600 (wheel slot 27) 47–47 4700 (wheel slot 28) 48–48 4800 (wheel slot 29) 49–49 4900 (wheel slot 30) 50–50 5000 (wheel slot 31) 51–51 5100 (wheel slot 32) 52–52 5200 (wheel slot 33) 53–53 5300 (wheel slot 34) 54–54 5400 (wheel slot 35) 55–55 5500 (wheel slot 36) 56–56 5600 (wheel slot 37) 57–57 5700 (wheel slot 38) 58–58 5800 (wheel slot 39) 59–59 5900 (wheel slot 40) 60–60 6000 (wheel slot 41) 61–61 6100 (wheel slot 42) 62–62 6200 (wheel slot 43) 63–63 6300 (wheel slot 44) 64–255 6700 (wheel slot 45)
10	Color Wheel 2	0	0–4 Open (wheel slot 1) 5–17 Open / Red (wheel slot 1) 18–30 Red (wheel slot 2) 31–43 Red / Blue (wheel slot 2) 44–56 Blue (wheel slot 3) 57–69 Blue / Green (wheel slot 3) 70–82 Green (wheel slot 4) 83–95 Green / Orange (wheel slot 4) 96–108 Orange (wheel slot 5) 109–121 Orange / Midnight Blue (wheel slot 5) 122–134 Midnight Blue (wheel slot 6) 135–147 Midnight Blue / High CRI Filter (wheel slot 6) 148–160 High CRI Filter (wheel slot 7) 161–173 High CRI Filter / CTB (5600K) (wheel slot 7) 174–186 CTB (wheel slot 8) 187–199 CTB (5600K) / Open (wheel slot 8) 200–226 Clockwise Color Wheel Rotation Fast to Slow 227–228 No Rotation 229–255 Counter Clockwise Color Wheel Rotation Fast to Sl…

Standard (34) Pan630 (continued)

Ch	Function	Default	DMX values
11	Color Macro1	0	0–31 OFF 32–39 Color Macro 1 40–47 Color Macro 2 48–55 Color Macro 3 56–63 Color Macro 4 64–71 Color Macro 5 72–79 Color Macro 6 80–87 Color Macro 7 88–95 Color Macro 8 96–103 Color Macro 9 104–111 Color Macro 10 112–119 Color Macro 11 120–127 Color Macro 12 128–135 Color Macro 13 136–143 Color Macro 14 144–151 Color Macro 15 152–159 Color Macro 16 160–167 Color Macro 17 168–175 Color Macro 18 176–184 Color Macro 19 185–191 Color Macro 20 192–199 Color Macro 21 200–207 Color Macro 22 208–216 Color Macro 23 217–223 Color Macro 24 224–231 Color Macro 25 232–238 Color Macro 26 239–247 Color Macro 27 248–255 Random CMY
12	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
13	Gobo Rotation	0	0–5 Rotation Off 6–127 Gobo Indexing 0 to 540 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast

Standard (34) Pan630 (continued)

Ch	Function	Default	DMX values
14	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
15	Gobo Rotation 2	0	0–5 Empty Channel Set 6–128 Gobo Indexing 0 to 540 129–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
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	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 1 (6 Facet Linear) (wheel slot 2)
20	Prism Rotation	0	0–127 Prism Indexing (wheel slot 2) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
21	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 2 (4 Facet Square) (wheel slot 3)
22	Prism Rotation	0	0–127 Prism Indexing (wheel slot 3) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast

Standard (34) Pan630 (continued)

Ch	Function	Default	DMX values
23	Prism	0	0–9 No Prism - Open 10–19 Macro 1 20–29 Macro 2 30–39 Macro 3 40–49 Macro 4 50–59 Macro 5 60–69 Macro 6 70–79 Macro 7 80–89 Macro 8 90–99 Macro 9 100–109 Macro 10 110–119 Macro 11 120–129 Macro 12 130–139 Macro 13 140–149 Macro 14 150–159 Macro 15 160–169 Macro 16 170–179 Macro 17 180–189 Macro 18 190–199 Macro 19 200–209 Macro 20 210–219 Macro 21 220–229 Macro 22 230–239 Macro 23 240–255 Macro 24
24	Focus	127	
25	Zoom	127	
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	0–5 Wheel Rot Off 6–128 Animation Index 0 to 540 (wheel slot 1) 129–191 Clockwise Animation Rotation Fast to Slow (wheel ... 192–192 No Rotation (wheel slot 1) 193–255 Counter Clockwise Animation Rotation Slow to Fas...

Standard (34) Pan630 (continued)

Ch	Function	Default	DMX values
30	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
31	Dimmer Curve	0	0–20 Square 21–40 Linear 41–60 Inverted Square 61–80 S Curve 81–255 No function
32	Color Macro1Rate	0	
33	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
34	Control1	0	

Extended (45) Pan540

45 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	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 TO	0	
12	C TO Fine	0	Fine byte of C TO

Extended (45) Pan540 (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400 (wheel slot 5) 25–25 2500 (wheel slot 6) 26–26 2600 (wheel slot 7) 27–27 2700 (wheel slot 8) 28–28 2800 (wheel slot 9) 29–29 2900 (wheel slot 10) 30–30 3000 (wheel slot 11) 31–31 3100 (wheel slot 12) 32–32 3200 (wheel slot 13) 33–33 3300 (wheel slot 14) 34–34 3400 (wheel slot 15) 35–35 3500 (wheel slot 16) 36–36 3600 (wheel slot 17) 37–37 3700 (wheel slot 18) 38–38 3800 (wheel slot 19) 39–39 3900 (wheel slot 20) 40–40 4000 (wheel slot 21) 41–41 4100 (wheel slot 22) 42–42 4200 (wheel slot 23) 43–43 4300 (wheel slot 24) 44–44 4400 (wheel slot 25) 45–45 4500 (wheel slot 26) 46–46 4600 (wheel slot 27) 47–47 4700 (wheel slot 28) 48–48 4800 (wheel slot 29) 49–49 4900 (wheel slot 30) 50–50 5000 (wheel slot 31) 51–51 5100 (wheel slot 32) 52–52 5200 (wheel slot 33) 53–53 5300 (wheel slot 34) 54–54 5400 (wheel slot 35) 55–55 5500 (wheel slot 36) 56–56 5600 (wheel slot 37) 57–57 5700 (wheel slot 38) 58–58 5800 (wheel slot 39) 59–59 5900 (wheel slot 40) 60–60 6000 (wheel slot 41) 61–61 6100 (wheel slot 42) 62–62 6200 (wheel slot 43) 63–63 6300 (wheel slot 44) 64–255 6700 (wheel slot 45)
14	Color Wheel 2	0	0–4 Open (wheel slot 1) 5–17 Open / Red (wheel slot 1) 18–30 Red (wheel slot 2) 31–43 Red / Blue (wheel slot 2) 44–56 Blue (wheel slot 3) 57–69 Blue / Green (wheel slot 3) 70–82 Green (wheel slot 4) 83–95 Green / Orange (wheel slot 4) 96–108 Orange (wheel slot 5) 109–121 Orange / Midnight Blue (wheel slot 5) 122–134 Midnight Blue (wheel slot 6) 135–147 Midnight Blue / High CRI Filter (wheel slot 6) 148–160 High CRI Filter (wheel slot 7) 161–173 High CRI Filter / CTB (5600K) (wheel slot 7) 174–186 CTB (wheel slot 8) 187–199 CTB (5600K) / Open (wheel slot 8) 200–226 Clockwise Color Wheel Rotation Fast to Slow 227–228 No Rotation 229–255 Counter Clockwise Color Wheel Rotation Fast to Sl…

Extended (45) Pan540 (continued)

Ch	Function	Default	DMX values
15	Color Macro1	0	0–31 OFF 32–39 Color Macro 1 40–47 Color Macro 2 48–55 Color Macro 3 56–63 Color Macro 4 64–71 Color Macro 5 72–79 Color Macro 6 80–87 Color Macro 7 88–95 Color Macro 8 96–103 Color Macro 9 104–111 Color Macro 10 112–119 Color Macro 11 120–127 Color Macro 12 128–135 Color Macro 13 136–143 Color Macro 14 144–151 Color Macro 15 152–159 Color Macro 16 160–167 Color Macro 17 168–175 Color Macro 18 176–184 Color Macro 19 185–191 Color Macro 20 192–199 Color Macro 21 200–207 Color Macro 22 208–216 Color Macro 23 217–223 Color Macro 24 224–231 Color Macro 25 232–238 Color Macro 26 239–247 Color Macro 27 248–255 Random CMY
16	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
17	Gobo Rotation	0	0–4 Rotation off 5–127 Gobo Indexing 0 to 540 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
18	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended (45) Pan540 (continued)

Ch	Function	Default	DMX values
19	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
20	Gobo Rotation 2	0	0–4 Rotation Off 5–128 Gobo Indexing 0 to 540 129–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
21	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
22	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)
23	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
24	Dimmer Fine	0	Fine byte of Dimmer
25	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 1 (6 Facet Linear) (wheel slot 2)
26	Prism Rotation	0	0–127 Prism Indexing (wheel slot 2) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
27	Prism Rotation Fine	0	Fine byte of Prism Rotation
28	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 2 (4 Facet Square) (wheel slot 3)
29	Prism Rotation	0	0–127 Prism Indexing (wheel slot 3) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
30	Prism Rotation Fine	0	Fine byte of Prism Rotation

Extended (45) Pan540 (continued)

Ch	Function	Default	DMX values
31	Prism	0	0–9 No Prism - Open 10–19 Macro 1 20–29 Macro 2 30–39 Macro 3 40–49 Macro 4 50–59 Macro 5 60–69 Macro 6 70–79 Macro 7 80–89 Macro 8 90–99 Macro 9 100–109 Macro 10 110–119 Macro 11 120–129 Macro 12 130–139 Macro 13 140–149 Macro 14 150–159 Macro 15 160–169 Macro 16 170–179 Macro 17 180–189 Macro 18 190–199 Macro 19 200–209 Macro 20 210–219 Macro 21 220–229 Macro 22 230–239 Macro 23 240–255 Macro 24
32	Focus	127	
33	Focus Fine	255	Fine byte of Focus
34	Zoom	127	
35	Zoom Fine	255	Fine byte of Zoom
36	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
37	Iris Fine	0	Fine byte of Iris
38	Frost1	0	
39	Frost2	0	
40	Animation Wheel1	0	0–5 Wheel Rot Off 6–128 Animation Index 0 to 540 (wheel slot 1) 129–191 Clockwise Animation Rotation Fast to Slow (wheel ... 192–192 No Rotation (wheel slot 1) 193–255 Counter Clockwise Animation Rotation Slow to Fas...

Extended (45) Pan540 (continued)

Ch	Function	Default	DMX values
41	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
42	Dimmer Curve	0	0–20 Square 21–40 Linear 41–60 Inverted Square 61–80 S Curve 81–255 No function
43	Color Macro1Rate	0	
44	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
45	Control1	0	

Extended (45) Pan630

45 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 TO	0	
12	C TO Fine	0	Fine byte of C TO

Extended (45) Pan630 (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–23 Open (wheel slot 1) 24–24 2400 (wheel slot 5) 25–25 2500 (wheel slot 6) 26–26 2600 (wheel slot 7) 27–27 2700 (wheel slot 8) 28–28 2800 (wheel slot 9) 29–29 2900 (wheel slot 10) 30–30 3000 (wheel slot 11) 31–31 3100 (wheel slot 12) 32–32 3200 (wheel slot 13) 33–33 3300 (wheel slot 14) 34–34 3400 (wheel slot 15) 35–35 3500 (wheel slot 16) 36–36 3600 (wheel slot 17) 37–37 3700 (wheel slot 18) 38–38 3800 (wheel slot 19) 39–39 3900 (wheel slot 20) 40–40 4000 (wheel slot 21) 41–41 4100 (wheel slot 22) 42–42 4200 (wheel slot 23) 43–43 4300 (wheel slot 24) 44–44 4400 (wheel slot 25) 45–45 4500 (wheel slot 26) 46–46 4600 (wheel slot 27) 47–47 4700 (wheel slot 28) 48–48 4800 (wheel slot 29) 49–49 4900 (wheel slot 30) 50–50 5000 (wheel slot 31) 51–51 5100 (wheel slot 32) 52–52 5200 (wheel slot 33) 53–53 5300 (wheel slot 34) 54–54 5400 (wheel slot 35) 55–55 5500 (wheel slot 36) 56–56 5600 (wheel slot 37) 57–57 5700 (wheel slot 38) 58–58 5800 (wheel slot 39) 59–59 5900 (wheel slot 40) 60–60 6000 (wheel slot 41) 61–61 6100 (wheel slot 42) 62–62 6200 (wheel slot 43) 63–63 6300 (wheel slot 44) 64–255 6700 (wheel slot 45)
14	Color Wheel 2	0	0–4 Open (wheel slot 1) 5–17 Open / Red (wheel slot 1) 18–30 Red (wheel slot 2) 31–43 Red / Blue (wheel slot 2) 44–56 Blue (wheel slot 3) 57–69 Blue / Green (wheel slot 3) 70–82 Green (wheel slot 4) 83–95 Green / Orange (wheel slot 4) 96–108 Orange (wheel slot 5) 109–121 Orange / Midnight Blue (wheel slot 5) 122–134 Midnight Blue (wheel slot 6) 135–147 Midnight Blue / High CRI Filter (wheel slot 6) 148–160 High CRI Filter (wheel slot 7) 161–173 High CRI Filter / CTB (5600K) (wheel slot 7) 174–186 CTB (wheel slot 8) 187–199 CTB (5600K) / Open (wheel slot 8) 200–226 Clockwise Color Wheel Rotation Fast to Slow 227–228 No Rotation 229–255 Counter Clockwise Color Wheel Rotation Fast to Sl…

Extended (45) Pan630 (continued)

Ch	Function	Default	DMX values
15	Color Macro1	0	0–31 OFF 32–39 Color Macro 1 40–47 Color Macro 2 48–55 Color Macro 3 56–63 Color Macro 4 64–71 Color Macro 5 72–79 Color Macro 6 80–87 Color Macro 7 88–95 Color Macro 8 96–103 Color Macro 9 104–111 Color Macro 10 112–119 Color Macro 11 120–127 Color Macro 12 128–135 Color Macro 13 136–143 Color Macro 14 144–151 Color Macro 15 152–159 Color Macro 16 160–167 Color Macro 17 168–175 Color Macro 18 176–184 Color Macro 19 185–191 Color Macro 20 192–199 Color Macro 21 200–207 Color Macro 22 208–216 Color Macro 23 217–223 Color Macro 24 224–231 Color Macro 25 232–238 Color Macro 26 239–247 Color Macro 27 248–255 Random CMY
16	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
17	Gobo Rotation	0	0–4 Rotation off 5–127 Gobo Indexing 0 to 540 128–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
18	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended (45) Pan630 (continued)

Ch	Function	Default	DMX values
19	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 Gobo Wheel Scroll CW Fast to Slow 222–223 Stop 224–255 Gobo Wheel Scroll CCW Slow to Fast
20	Gobo Rotation 2	0	0–4 Rotation Off 5–128 Gobo Indexing 0 to 540 129–189 Gobo Scroll CW Fast to Slow 190–193 No Rotation 194–255 Gobo Scroll CCW Slow to Fast
21	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
22	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)
23	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
24	Dimmer Fine	0	Fine byte of Dimmer
25	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 1 (6 Facet Linear) (wheel slot 2)
26	Prism Rotation	0	0–127 Prism Indexing (wheel slot 2) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
27	Prism Rotation Fine	0	Fine byte of Prism Rotation
28	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 2 (4 Facet Square) (wheel slot 3)
29	Prism Rotation	0	0–127 Prism Indexing (wheel slot 3) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
30	Prism Rotation Fine	0	Fine byte of Prism Rotation

Extended (45) Pan630 (continued)

Ch	Function	Default	DMX values
31	Prism	0	0–9 No Prism - Open 10–19 Macro 1 20–29 Macro 2 30–39 Macro 3 40–49 Macro 4 50–59 Macro 5 60–69 Macro 6 70–79 Macro 7 80–89 Macro 8 90–99 Macro 9 100–109 Macro 10 110–119 Macro 11 120–129 Macro 12 130–139 Macro 13 140–149 Macro 14 150–159 Macro 15 160–169 Macro 16 170–179 Macro 17 180–189 Macro 18 190–199 Macro 19 200–209 Macro 20 210–219 Macro 21 220–229 Macro 22 230–239 Macro 23 240–255 Macro 24
32	Focus	127	
33	Focus Fine	255	Fine byte of Focus
34	Zoom	127	
35	Zoom Fine	255	Fine byte of Zoom
36	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
37	Iris Fine	0	Fine byte of Iris
38	Frost1	0	
39	Frost2	0	
40	Animation Wheel1	0	0–5 Wheel Rot Off 6–128 Animation Index 0 to 540 (wheel slot 1) 129–191 Clockwise Animation Rotation Fast to Slow (wheel ... 192–192 No Rotation (wheel slot 1) 193–255 Counter Clockwise Animation Rotation Slow to Fas...

Extended (45) Pan630 (continued)

Ch	Function	Default	DMX values
41	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
42	Dimmer Curve	0	0–20 Square 21–40 Linear 41–60 Inverted Square 61–80 S Curve 81–255 No function
43	Color Macro1Rate	0	
44	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
45	Control1	0	