LIGHT SKY

SUPER SCOPE COLOR



Manufacturer	**LIGHT SKY**
Type	**Profile spot**
DMX modes	**4**
DMX footprint	**35, 49, 60, 64 channels**
Beam angle	**5.9-52°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**278 × 535 × 257 mm**
GDTF fixture type	**5ABE0E48-3AF8-40D4-BC3F-BE…**

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 · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset

DMX modes

35CH	35 ch
49CH	49 ch
60CH	60 ch
64CH	64 ch

35CH

35 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	0–254 Standard 255–255 Min
6	Control1	0	0–9 No Function 10–14 DMX Input 15–19 Art-Net Input 20–24 Dis Back On 25–29 Dis Back Auto 30–34 Zoom Invert 35–39 Zoom Forward 40–44 P/T Mode:Speed 45–49 P/T Mode:Time 50–54 Moving Blackout On 55–69 Moving Blackout Off 70–74 Fan Silent 75–79 Fan Standard 80–84 Fan HighOutput 85–89 DMX State:Black 90–94 DMX State:Hold 95–99 iCC Off 100–119 iCC On 120–124 Parking Position On 125–129 Parking Position Off 130–139 Head Reset 140–159 XY Reset 160–179 Gobo Reset 180–189 Zoom Reset 190–199 Fram Reset 200–209 Fixture Reset 210–211 Green Correction 212–213 FX Auto Focus On 214–218 FX Auto Focus Off 219–220 Maximum speed and shortcut 221–222 Follow speed and direction 223–224 Empty Channel SetMaximum speed and follow dir... 225–229 RoboSpot enabled 230–234 RoboSpot disabled 235–239 RoboSpot fully disabled 240–240 Disabled "Quiet mode" 241–255 Quiet mode

35CH (continued)

Ch	Function	Default	DMX values
7	Color Control	0	0–39 No Function 40–44 CMY Mode 45–49 RGB Mode 50–54 Square Curve 55–59 Linear Curve 60–64 I-Square Curve 65–79 S Curve 80–84 Tungsten (750W/80V) 85–89 Tungsten (1000W/240V) 90–94 Tungsten (1200W/240V) 95–99 Tungsten (2000W/230V) 100–104 Tungsten (2500W/230V) 105–114 Tungsten Off 115–119 Chromatic white:On (Use in future now no function) 120–124 Chromatic white:Off (Use in future now no function) 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On (Use in future now no function) 140–255 Uniformity Off (Use in future now no function)
8	C RIMode	0	0–254 Standard 255–255 High light
9	Cyan	0	
10	Magenta	0	
11	Yellow	0	
12	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
13	Animation Wheel1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing max (wheel slot 2) 128–169 Ramping from open to full position max (wheel slo... 170–170 Ramping from open to full position min (wheel slo... 171–212 Ramping from open to half position max (wheel sl... 213–213 Ramping from open to half position min (wheel sl... 214–254 Ramp from half position to full position max (whe... 255–255 Ramp from half position to full position min (whee...
14	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7

35CH (continued)

Ch	Function	Default	DMX values
15	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Stop 250–255 Auto random gobo selection from fast to slow
16	Gobo Rotation	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Gobo indexing max 232–255 Slow to fast - Fast

35CH (continued)

Ch	Function	Default	DMX values
17	Gobo 2	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Stop 250–255 Auto random gobo selection from fast to slow
18	Gobo Rotation 2	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Gobo indexing max 232–255 Slow to fast - Fast
19	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 6 - facet rotating prism (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)

35CH (continued)

Ch	Function	Default	DMX values
20	Prism Rotation	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
21	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow

35CH (continued)

Ch	Function	Default	DMX values
22	Iris	0	0–179 Open 180–191 Closed 192–194 Slow to fast 1/13 195–196 Slow to fast 2/13 197–198 Slow to fast 3/13 199–200 Slow to fast 4/13 201–202 Slow to fast 5/13 203–204 Slow to fast 6/13 205–206 Slow to fast 7/13 207–208 Slow to fast 8/13 209–210 Slow to fast 9/13 211–212 Slow to fast 10/13 213–214 Slow to fast 11/13 215–216 Slow to fast 12/13 217–219 Slow to fast 13/13 220–221 Fast to slow 1/13 222–223 Fast to slow 2/13 224–225 Fast to slow 3/13 226–227 Fast to slow 4/13 228–229 Fast to slow 5/13 230–231 Fast to slow 6/13 232–233 Fast to slow 7/13 234–235 Fast to slow 8/13 236–237 Fast to slow 9/13 238–239 Fast to slow 10/13 240–241 Fast to slow 11/13 242–243 Fast to slow 12/13 244–247 Fast to slow 13/13 248–249 Random pulse opening fast 250–251 Random pulse opening slow 252–253 Random pulse closing fast 254–255 Random pulse closing slow
23	Zoom	128	
24	Focus	128	
25	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
26	Blade1A	0	
27	Blade1Rot	128	
28	Blade2A	0	
29	Blade2Rot	128	
30	Blade3A	0	
31	Blade3Rot	128	
32	Blade4A	0	
33	Blade4Rot	128	

35CH (continued)

Ch	Function	Default	DMX values
34	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 Strobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 Strobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 Strobe · Slow to fast 12/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.1–0.26 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 0.287–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–0.367 Hz 150–155 StrobePulseClose · Fast to slow 4/7 0.34–0.207 Hz 156–159 StrobePulseClose · Fast to slow 7/7 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
35	Dimmer	0	0–254 Closed 255–255 Open

49CH

49 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	0–254 Standard 255–255 Min

49CH (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No Function 10–14 DMX Input 15–19 Art-Net Input 20–24 Dis Back On 25–29 Dis Back Auto 30–34 Zoom Invert 35–39 Zoom Forward 40–44 P/T Mode:Speed 45–49 P/T Mode:Time 50–54 Moving Blackout On 55–69 Moving Blackout Off 70–74 Fan Silent 75–79 Fan Standard 80–84 Fan HighOutput 85–89 DMX State:Black 90–94 DMX State:Hold 95–99 iCC Off 100–119 iCC On 120–124 Parking Position On 125–129 Parking Position Off 130–139 Head Reset 140–159 P/T Reset 160–179 Gobo Reset 180–189 Zoom Reset 190–199 Fram Reset 200–209 Fixture Reset 210–211 Green Correction 212–213 FX Auto Focus On 214–218 FX Auto Focus Off 219–220 Maximum speed and shortcut 221–222 Follow speed and direction 223–224 Empty Channel SetMaximum speed and follow dir... 225–229 RoboSpot enabled 230–234 RoboSpot disabled 235–239 RoboSpot fully disabled 240–240 Disabled "Quiet mode" 241–255 Quiet mode
7	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 4000 Hz 10–14 8000 Hz 15–19 16000 Hz 20–24 25000 Hz 25–255 NoFeature
8	L EDFrequency Adjust	128	

49CH (continued)

Ch	Function	Default	DMX values
9	Color Control	0	0–39 No Function 40–44 CMY Mode 45–49 RGB Mode 50–54 Square Curve 55–59 Linear Curve 60–64 I-Square Curve 65–79 S Curve 80–84 Tungsten (750W/80V) 85–89 Tungsten (1000W/240V) 90–94 Tungsten (1200W/240V) 95–99 Tungsten (2000W/230V) 100–104 Tungsten (2500W/230V) 105–114 Tungsten Off 115–119 Chromatic white:On (Use in future now no function) 120–124 Chromatic white:Off (Use in future now no function) 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On (Use in future now no function) 140–255 Uniformity Off (Use in future now no function)
10	C RIMode	0	0–254 Standard 255–255 High light
11	Color Macro1	0	
12	Cyan	0	
13	Cyan Fine	0	Fine byte of Cyan
14	Magenta	0	
15	Magenta Fine	0	Fine byte of Magenta
16	Yellow	0	
17	Yellow Fine	0	Fine byte of Yellow
18	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
19	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 129–255 Uncorrected white - > Plus green
20	Color Mix Mode	0	0–9 Virtual colours (Virtual has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Virtual and Colour mix) 40–49 Addition mode (Virtual + Colour mix) 50–59 Subtraction mode (Virtual - Colour mix) 60–69 Inverted Subtraction mode (Colour mix - Virtual) 70–79 White Point Off 80–128 Reserved 129–129 Crossfade Virtual only 130–254 Crossfade between Virtual and Colour mix 255–255 Crossfade Color mix only
21	Gobo Wheel1MSpeed	0	

49CH (continued)

Ch	Function	Default	DMX values
22	Focus MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode
23	Animation Wheel1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing max (wheel slot 2) 128–169 Ramping from open to full position max (wheel slo... 170–170 Ramping from open to full position min (wheel slo... 171–212 Ramping from open to half position max (wheel sl... 213–213 Ramping from open to half position min (wheel sl... 214–254 Ramp from half position to full position max (whe... 255–255 Ramp from half position to full position min (whee...
24	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
25	Animation Wheel1Select Effects	0	0–7 No animation 8–9 Macro 1 (Focus=94) 10–11 Macro 2 (Focus=95) 12–13 Macro 3 (Focus=96) 14–15 Macro 4 (Focus=97) 16–17 Macro 5 (Focus=98) 18–19 Macro 6 (Focus=99) 20–21 Macro 7 (Focus=100) 22–23 Macro 8 (Focus=101) 24–25 Macro 9 (Focus=102) 26–27 Macro 10 (Focus=103) 28–29 Macro 11 (Focus=103) 30–31 Macro 12 (Focus=103) 32–33 Macro 13 (Focus=103) 34–35 Macro 14 (Focus=103) 36–37 Macro 15 (Focus=103) 38–39 Macro 16 (Focus=103) 40–41 Macro 17 (Focus=103) 42–43 Macro 18 (Focus=103) 44–45 Macro 19 (Focus=103) 46–47 Macro 20 (Focus=103) 48–255 NoFeature

49CH (continued)

Ch	Function	Default	DMX values
26	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Stop 250–255 Auto random gobo selection from fast to slow
27	Gobo Rotation	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–255 Slow to fast - Fast
28	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
29	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 6 - facet rotating prism (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)

49CH (continued)

Ch	Function	Default	DMX values
30	Prism Rotation	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
31	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow

49CH (continued)

Ch	Function	Default	DMX values
32	Iris	0	0–179 Open 180–191 Closed 192–194 Slow to fast 1/13 195–196 Slow to fast 2/13 197–198 Slow to fast 3/13 199–200 Slow to fast 4/13 201–202 Slow to fast 5/13 203–204 Slow to fast 6/13 205–206 Slow to fast 7/13 207–208 Slow to fast 8/13 209–210 Slow to fast 9/13 211–212 Slow to fast 10/13 213–214 Slow to fast 11/13 215–216 Slow to fast 12/13 217–219 Slow to fast 13/13 220–221 Fast to slow 1/13 222–223 Fast to slow 2/13 224–225 Fast to slow 3/13 226–227 Fast to slow 4/13 228–229 Fast to slow 5/13 230–231 Fast to slow 6/13 232–233 Fast to slow 7/13 234–235 Fast to slow 8/13 236–237 Fast to slow 9/13 238–239 Fast to slow 10/13 240–241 Fast to slow 11/13 242–243 Fast to slow 12/13 244–247 Fast to slow 13/13 248–249 Random pulse opening fast 250–251 Random pulse opening slow 252–253 Random pulse closing fast 254–255 Random pulse closing slow
33	Iris Fine	0	Fine byte of Iris
34	Zoom	128	
35	Zoom Fine	0	Fine byte of Zoom
36	Focus	128	
37	Focus Fine	128	Fine byte of Focus
38	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
39	Blade1A	0	
40	Blade1Rot	128	
41	Blade2A	0	
42	Blade2Rot	128	
43	Blade3A	0	
44	Blade3Rot	128	
45	Blade4A	0	
46	Blade4Rot	128	

49CH (continued)

Ch	Function	Default	DMX values
47	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 Strobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 Strobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 Strobe · Slow to fast 12/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.1–0.26 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 0.287–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–0.367 Hz 150–155 StrobePulseClose · Fast to slow 4/7 0.34–0.207 Hz 156–159 StrobePulseClose · Fast to slow 7/7 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
48	Dimmer	0	0–254 Closed 255–255 Open
49	Dimmer Fine	0	Fine byte of Dimmer

60CH

60 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	0–254 Standard 255–255 Min

60CH (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No Function 10–14 DMX Input 15–19 Art-Net Input 20–24 Dis Back On 25–29 Dis Back Auto 30–34 Zoom Invert 35–39 Zoom Forward 40–44 P/T Mode:Speed 45–49 P/T Mode:Time 50–54 Moving Blackout On 55–69 Moving Blackout Off 70–74 Fan Silent 75–79 Fan Standard 80–84 Fan HighOutput 85–89 DMX State:Black 90–94 DMX State:Hold 95–99 iCC Off 100–119 iCC On 120–124 Parking Position On 125–129 Parking Position Off 130–139 Head Reset 140–159 XY Reset 160–179 Gobo Reset 180–189 Zoom Reset 190–199 Fram Reset 200–209 Fixture Reset 210–211 Green Correction 212–213 FX Auto Focus On 214–218 FX Auto Focus Off 219–220 Maximum speed and shortcut 221–222 Follow speed and direction 223–224 Empty Channel SetMaximum speed and follow dir... 225–229 RoboSpot enabled 230–234 RoboSpot disabled 235–239 RoboSpot fully disabled 240–240 Disabled "Quiet mode" 241–255 Quiet mode
7	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 4000 Hz 10–14 8000 Hz 15–19 16000 Hz 20–24 25000 Hz 25–255 NoFeature
8	L EDFrequency Adjust	128	

60CH (continued)

Ch	Function	Default	DMX values
9	Color Control	0	0–39 No Function 40–44 CMY Mode 45–49 RGB Mode 50–54 Square Curve 55–59 Linear Curve 60–64 I-Square Curve 65–79 S Curve 80–84 Tungsten (750W/80V) 85–89 Tungsten (1000W/240V) 90–94 Tungsten (1200W/240V) 95–99 Tungsten (2000W/230V) 100–104 Tungsten (2500W/230V) 105–114 Tungsten Off 115–119 Chromatic white:On (Use in future now no function) 120–124 Chromatic white:Off (Use in future now no function) 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On (Use in future now no function) 140–255 Uniformity Off (Use in future now no function)
10	C RIMode	0	0–254 Standard 255–255 High light
11	Color Macro1	0	
12	Cyan	0	
13	Cyan Fine	0	Fine byte of Cyan
14	Magenta	0	
15	Magenta Fine	0	Fine byte of Magenta
16	Yellow	0	
17	Yellow Fine	0	Fine byte of Yellow
18	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
19	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 129–255 Uncorrected white - > Plus green
20	Color Mix Mode	0	0–9 Virtual colours (Virtual has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Virtual and Colour mix) 40–49 Addition mode (Virtual + Colour mix) 50–59 Subtraction mode (Virtual - Colour mix) 60–69 Inverted Subtraction mode (Colour mix - Virtual) 70–79 White Point Off 80–128 Reserved 129–129 Crossfade Virtual only 130–254 Crossfade between Virtual and Colour mix 255–255 Crossfade Color mix only
21	Gobo Wheel1MSpeed	0	

60CH (continued)

Ch	Function	Default	DMX values
22	Focus MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode
23	Animation Wheel1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing max (wheel slot 2) 128–169 Ramping from open to full position max (wheel slo... 170–170 Ramping from open to full position min (wheel slo... 171–212 Ramping from open to half position max (wheel sl... 213–213 Ramping from open to half position min (wheel sl... 214–254 Ramp from half position to full position max (whe... 255–255 Ramp from half position to full position min (whee...
24	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
25	Animation Wheel1Select Effects	0	0–7 No animation 8–9 Macro 1 (Focus=94) 10–11 Macro 2 (Focus=95) 12–13 Macro 3 (Focus=96) 14–15 Macro 4 (Focus=97) 16–17 Macro 5 (Focus=98) 18–19 Macro 6 (Focus=99) 20–21 Macro 7 (Focus=100) 22–23 Macro 8 (Focus=101) 24–25 Macro 9 (Focus=102) 26–27 Macro 10 (Focus=103) 28–29 Macro 11 (Focus=103) 30–31 Macro 12 (Focus=103) 32–33 Macro 13 (Focus=103) 34–35 Macro 14 (Focus=103) 36–37 Macro 15 (Focus=103) 38–39 Macro 16 (Focus=103) 40–41 Macro 17 (Focus=103) 42–43 Macro 18 (Focus=103) 44–45 Macro 19 (Focus=103) 46–47 Macro 20 (Focus=103) 48–255 NoFeature

60CH (continued)

Ch	Function	Default	DMX values
26	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Stop 250–255 Auto random gobo selection from fast to slow
27	Gobo Rotation	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–255 Slow to fast - Fast
28	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

60CH (continued)

Ch	Function	Default	DMX values
29	Gobo 2	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Stop 250–255 Auto random gobo selection from fast to slow
30	Gobo Rotation 2	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–255 Slow to fast - Fast
31	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
32	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 6 - facet rotating prism (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)

60CH (continued)

Ch	Function	Default	DMX values
33	Prism Rotation	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
34	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow

60CH (continued)

Ch	Function	Default	DMX values
35	Iris	0	0–179 Open 180–191 Closed 192–194 Slow to fast 1/13 195–196 Slow to fast 2/13 197–198 Slow to fast 3/13 199–200 Slow to fast 4/13 201–202 Slow to fast 5/13 203–204 Slow to fast 6/13 205–206 Slow to fast 7/13 207–208 Slow to fast 8/13 209–210 Slow to fast 9/13 211–212 Slow to fast 10/13 213–214 Slow to fast 11/13 215–216 Slow to fast 12/13 217–219 Slow to fast 13/13 220–221 Fast to slow 1/13 222–223 Fast to slow 2/13 224–225 Fast to slow 3/13 226–227 Fast to slow 4/13 228–229 Fast to slow 5/13 230–231 Fast to slow 6/13 232–233 Fast to slow 7/13 234–235 Fast to slow 8/13 236–237 Fast to slow 9/13 238–239 Fast to slow 10/13 240–241 Fast to slow 11/13 242–243 Fast to slow 12/13 244–247 Fast to slow 13/13 248–249 Random pulse opening fast 250–251 Random pulse opening slow 252–253 Random pulse closing fast 254–255 Random pulse closing slow
36	Iris Fine	0	Fine byte of Iris
37	Zoom	128	
38	Zoom Fine	0	Fine byte of Zoom
39	Focus	128	
40	Focus Fine	128	Fine byte of Focus
41	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
42	Blade1A	0	
43	Blade1A Fine	0	Fine byte of Blade1A
44	Blade1Rot	128	
45	Blade1Rot Fine	128	Fine byte of Blade1Rot
46	Blade2A	0	
47	Blade2A Fine	0	Fine byte of Blade2A
48	Blade2Rot	128	
49	Blade2Rot Fine	128	Fine byte of Blade2Rot
50	Blade3A	0	
51	Blade3A Fine	0	Fine byte of Blade3A
52	Blade3Rot	128	
53	Blade3Rot Fine	128	Fine byte of Blade3Rot
54	Blade4A	0	
55	Blade4A Fine	0	Fine byte of Blade4A
56	Blade4Rot	128	

60CH (continued)

Ch	Function	Default	DMX values
57	Blade4Rot Fine	128	Fine byte of Blade4Rot
58	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 Strobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 Strobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 Strobe · Slow to fast 12/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.1–0.26 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 0.287–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–0.367 Hz 150–155 StrobePulseClose · Fast to slow 4/7 0.34–0.207 Hz 156–159 StrobePulseClose · Fast to slow 7/7 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
59	Dimmer	0	0–254 Closed 255–255 Open
60	Dimmer Fine	0	Fine byte of Dimmer

64CH

64 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	0–254 Standard 255–255 Min

64CH (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No Function 10–14 DMX Input 15–19 Art-Net Input 20–24 Dis Back On 25–29 Dis Back Auto 30–34 Zoom Invert 35–39 Zoom Forward 40–44 P/T Mode:Speed 45–49 P/T Mode:Time 50–54 Moving Blackout On 55–69 Moving Blackout Off 70–74 Fan Silent 75–79 Fan Standard 80–84 Fan HighOutput 85–89 DMX State:Black 90–94 DMX State:Hold 95–99 iCC Off 100–119 iCC On 120–124 Parking Position On 125–129 Parking Position Off 130–139 Head Reset 140–159 XY Reset 160–179 Gobo Reset 180–189 Zoom Reset 190–199 Fram Reset 200–209 Fixture Reset 210–211 Green Correction 212–213 FX Auto Focus On 214–218 FX Auto Focus Off 219–220 Maximum speed and shortcut 221–222 Follow speed and direction 223–224 Empty Channel SetMaximum speed and follow dir… 225–229 RoboSpot enabled 230–234 RoboSpot disabled 235–239 RoboSpot fully disabled 240–240 Disabled "Quiet mode" 241–255 Quiet mode
7	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 4000 Hz 10–14 8000 Hz 15–19 16000 Hz 20–24 25000 Hz 25–255 NoFeature
8	L EDFrequency Adjust	128	

64CH (continued)

Ch	Function	Default	DMX values
9	Color Control	0	0–39 No Function 40–44 CMY Mode 45–49 RGB Mode 50–54 Square Curve 55–59 Linear Curve 60–64 I-Square Curve 65–79 S Curve 80–84 Tungsten (750W/80V) 85–89 Tungsten (1000W/240V) 90–94 Tungsten (1200W/240V) 95–99 Tungsten (2000W/230V) 100–104 Tungsten (2500W/230V) 105–114 Tungsten Off 115–119 Chromatic white:On (Use in future now no function) 120–124 Chromatic white:Off (Use in future now no function) 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On (Use in future now no function) 140–255 Uniformity Off (Use in future now no function)
10	C RIMode	0	0–254 Standard 255–255 High light
11	Color Macro1	0	
12	Red	255	
13	Red Fine	255	Fine byte of Red
14	Green	255	
15	Green Fine	255	Fine byte of Green
16	Blue	255	
17	Blue Fine	255	Fine byte of Blue
18	Color Add RY	255	
19	Color Add RY Fine	255	Fine byte of Color Add RY
20	Color Add GC	255	
21	Color Add GC Fine	255	Fine byte of Color Add GC
22	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
23	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 129–255 Uncorrected white - > Plus green

64CH (continued)

Ch	Function	Default	DMX values
24	Color Mix Mode	0	0–9 Virtual colours (Virtual has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Virtual and Colour mix) 40–49 Addition mode (Virtual + Colour mix) 50–59 Subtraction mode (Virtual - Colour mix) 60–69 Inverted Subtraction mode (Colour mix - Virtual) 70–79 White Point Off 80–128 Reserved 129–129 Crossfade Virtual only 130–254 Crossfade between Virtual and Colour mix 255–255 Crossfade Color mix only
25	Gobo Wheel1MSpeed	0	
26	Focus MSpeed	0	0–0 Standard mode 1–254 Max Speed Mode 255–255 Min Speed Mode
27	Animation Wheel1	0	0–19 Open (wheel slot 1) 20–127 Proportional indexing max (wheel slot 2) 128–169 Ramping from open to full position max (wheel slo... 170–170 Ramping from open to full position min (wheel slo... 171–212 Ramping from open to half position max (wheel sl... 213–213 Ramping from open to half position min (wheel sl... 214–254 Ramp from half position to full position max (whe... 255–255 Ramp from half position to full position min (whee...
28	Animation Wheel1Pos	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7

64CH (continued)

Ch	Function	Default	DMX values
29	Animation Wheel1Select Effects	0	0–7 No animation 8–9 Macro 1 (Focus=94) 10–11 Macro 2 (Focus=95) 12–13 Macro 3 (Focus=96) 14–15 Macro 4 (Focus=97) 16–17 Macro 5 (Focus=98) 18–19 Macro 6 (Focus=99) 20–21 Macro 7 (Focus=100) 22–23 Macro 8 (Focus=101) 24–25 Macro 9 (Focus=102) 26–27 Macro 10 (Focus=103) 28–29 Macro 11 (Focus=103) 30–31 Macro 12 (Focus=103) 32–33 Macro 13 (Focus=103) 34–35 Macro 14 (Focus=103) 36–37 Macro 15 (Focus=103) 38–39 Macro 16 (Focus=103) 40–41 Macro 17 (Focus=103) 42–43 Macro 18 (Focus=103) 44–45 Macro 19 (Focus=103) 46–47 Macro 20 (Focus=103) 48–255 NoFeature
30	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Stop 250–255 Auto random gobo selection from fast to slow

64CH (continued)

Ch	Function	Default	DMX values
31	Gobo Rotation	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–255 Slow to fast - Fast
32	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
33	Gobo 2	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Stop 250–255 Auto random gobo selection from fast to slow
34	Gobo Rotation 2	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–255 Slow to fast - Fast
35	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

64CH (continued)

Ch	Function	Default	DMX values
36	Prism	0	0–19 Open position (hole) (wheel slot 1) 20–127 6 - facet rotating prism (wheel slot 2) 128–135 Macro 1 (wheel slot 3) 136–143 Macro 2 (wheel slot 5) 144–151 Macro 3 (wheel slot 6) 152–159 Macro 4 (wheel slot 7) 160–167 Macro 5 (wheel slot 8) 168–175 Macro 6 (wheel slot 9) 176–183 Macro 7 (wheel slot 10) 184–191 Macro 8 (wheel slot 11) 192–199 Macro 9 (wheel slot 12) 200–207 Macro 10 (wheel slot 13) 208–215 Macro 11 (wheel slot 14) 216–223 Macro 12 (wheel slot 15) 224–231 Macro 13 (wheel slot 16) 232–239 Macro 14 (wheel slot 17) 240–247 Macro 15 (wheel slot 18) 248–255 Macro 16 (wheel slot 19)
37	Prism Rotation	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fast to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
38	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow

64CH (continued)

Ch	Function	Default	DMX values
39	Iris	0	0–179 Open 180–191 Closed 192–194 Slow to fast 1/13 195–196 Slow to fast 2/13 197–198 Slow to fast 3/13 199–200 Slow to fast 4/13 201–202 Slow to fast 5/13 203–204 Slow to fast 6/13 205–206 Slow to fast 7/13 207–208 Slow to fast 8/13 209–210 Slow to fast 9/13 211–212 Slow to fast 10/13 213–214 Slow to fast 11/13 215–216 Slow to fast 12/13 217–219 Slow to fast 13/13 220–221 Fast to slow 1/13 222–223 Fast to slow 2/13 224–225 Fast to slow 3/13 226–227 Fast to slow 4/13 228–229 Fast to slow 5/13 230–231 Fast to slow 6/13 232–233 Fast to slow 7/13 234–235 Fast to slow 8/13 236–237 Fast to slow 9/13 238–239 Fast to slow 10/13 240–241 Fast to slow 11/13 242–243 Fast to slow 12/13 244–247 Fast to slow 13/13 248–249 Random pulse opening fast 250–251 Random pulse opening slow 252–253 Random pulse closing fast 254–255 Random pulse closing slow
40	Iris Fine	0	Fine byte of Iris
41	Zoom	128	
42	Zoom Fine	0	Fine byte of Zoom
43	Focus	128	
44	Focus Fine	128	Fine byte of Focus
45	Shaper Rot	128	0–127 min 128–254 mid 255–255 max
46	Blade1A	0	
47	Blade1A Fine	0	Fine byte of Blade1A
48	Blade1Rot	128	
49	Blade1Rot Fine	128	Fine byte of Blade1Rot
50	Blade2A	0	
51	Blade2A Fine	0	Fine byte of Blade2A
52	Blade2Rot	128	
53	Blade2Rot Fine	128	Fine byte of Blade2Rot
54	Blade3A	0	
55	Blade3A Fine	0	Fine byte of Blade3A
56	Blade3Rot	128	
57	Blade3Rot Fine	128	Fine byte of Blade3Rot
58	Blade4A	0	
59	Blade4A Fine	0	Fine byte of Blade4A
60	Blade4Rot	128	

64CH (continued)

Ch	Function	Default	DMX values
61	Blade4Rot Fine	128	Fine byte of Blade4Rot
62	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 Strobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 Strobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 Strobe · Slow to fast 12/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.1–0.26 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 0.287–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–0.367 Hz 150–155 StrobePulseClose · Fast to slow 4/7 0.34–0.207 Hz 156–159 StrobePulseClose · Fast to slow 7/7 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
63	Dimmer	0	0–254 Closed 255–255 Open
64	Dimmer Fine	0	Fine byte of Dimmer