LIGHT SKY

AURORA AQUA



Manufacturer	**LIGHT SKY**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**33, 35, 36, 39 channels**
Beam angle	**3-45°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**285 × 453 × 254 mm**
GDTF fixture type	**640D594F-2BE9-48CC-BA27-6F…**

Controls

Focus · Frost · 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

Lamp on and off · Fixture reset

DMX modes

33CH	33 ch
35CH	35 ch
36CH	36 ch
39CH	39 ch

33CH

33 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	Position MSpeed	0	0–0 Standard mode 1–1 Max Speed Mode 2–254 Pan/Tilt Speed/Time 255–255 Min Speed Mode
6	Control1	0	0–79 No Function 80–84 Dis Blink Off 85–89 Dis Blink On 90–94 CMY Mode:Standard 95–99 CMY Mode:Theater 100–104 P/T Standard 105–109 P/T Fast 110–114 P/T Precise 115–119 FX Auto Focus Off 120–129 FX Auto Focus On 130–139 Lamp On 140–149 P/T Reset 150–159 Color Reset 160–179 Gobo Reset 180–199 Zoom Reset 200–229 All Reset 230–255 Lamp Off
7	Cyan	0	
8	Magenta	0	
9	Yellow	0	
10	Color Wheel	0	0–127 White (wheel slot 1) 128–129 CRI (wheel slot 2) 130–134 Red (wheel slot 3) 135–138 Orange (wheel slot 4) 139–143 Aquamarine (wheel slot 5) 144–147 Green (wheel slot 6) 148–152 Light Green (wheel slot 7) 153–157 Lavender (wheel slot 8) 158–161 Pink (wheel slot 9) 162–166 Yellow (wheel slot 10) 167–171 Magenta (wheel slot 11) 172–176 Cyan (wheel slot 12) 177–180 CTO 260 (wheel slot 13) 181–185 CTO 190 (wheel slot 14) 186–189 Blue (wheel slot 15) 190–215 >>> 216–217 Stop 218–243 <<< 244–249 Random 1 250–255 Random 2
11	Color Wheel Fine	0	Fine byte of Color Wheel
12	Animation Wheel1	0	0–126 Open (wheel slot 1) 127–127 Animation (wheel slot 2) 128–170 <<>> (wheel slot 2) 171–213 <> (wheel slot 2) 214–255 <><> (wheel slot 2)
13	Animation Wheel1Pos	128	0–0 No Function 1–127 >>> 128–191 Stop 192–255 <<<

33CH (continued)

Ch	Function	Default	DMX values
14	Gobo	0	0–9 Open (wheel slot 1) 10–15 Beam 1 (wheel slot 2) 16–21 Beam 2 (wheel slot 3) 22–27 Beam 3 (wheel slot 4) 28–33 Gobo 1 (wheel slot 5) 34–39 Gobo 2 (wheel slot 6) 40–45 Gobo 3 (wheel slot 7) 46–51 Gobo 4 (wheel slot 8) 52–57 Gobo 5 (wheel slot 9) 58–63 Gobo 6 (wheel slot 10) 64–69 Gobo 7 (wheel slot 11) 70–75 Gobo 8 (wheel slot 12) 76–81 Gobo 9 (wheel slot 13) 82–87 Gobo 10 (wheel slot 14) 88–95 Beam 1 Shake (wheel slot 1) 96–103 Beam 2 Shake (wheel slot 2) 104–111 Beam 3 Shake (wheel slot 3) 112–119 Beam 4 Shake (wheel slot 4) 120–127 Gobo 1 Shake (wheel slot 5) 128–135 Gobo 2 Shake (wheel slot 6) 136–143 Gobo 3 Shake (wheel slot 7) 144–151 Gobo 4 Shake (wheel slot 8) 152–159 Gobo 5 Shake (wheel slot 9) 160–167 Gobo 6 Shake (wheel slot 10) 168–175 Gobo 7 Shake (wheel slot 11) 176–183 Gobo 8 Shake (wheel slot 12) 184–191 Gobo 9 Shake (wheel slot 13) 192–201 Gobo 10 Shake (wheel slot 14) 202–222 >>> 223–228 Stop 229–249 <<< 250–250 Auto random fast 251–254 Auto random fast to slow 255–255 Auto random slow
15	Gobo 2	0	0–0 Open (wheel slot 1) 1–4 Open2 (wheel slot 1) 5–16 Gobo 1 (wheel slot 2) 17–28 Gobo 2 (wheel slot 3) 29–40 Gobo 3 (wheel slot 4) 41–52 Gobo 4 (wheel slot 5) 53–64 Gobo 5 (wheel slot 6) 65–76 Gobo 6 (wheel slot 7) 77–88 Gobo 7 (wheel slot 8) 89–100 Gobo 8 (wheel slot 9) 101–112 Gobo 9 (wheel slot 10) 113–124 Gobo 1 Shake (wheel slot 2) 125–136 Gobo 2 Shake (wheel slot 3) 137–148 Gobo 3 Shake (wheel slot 4) 149–160 Gobo 4 Shake (wheel slot 5) 161–172 Gobo 5 Shake (wheel slot 6) 173–184 Gobo 6 Shake (wheel slot 7) 185–196 Gobo 7 Shake (wheel slot 8) 197–208 Gobo 8 Shake (wheel slot 9) 209–220 Gobo 9 Shake (wheel slot 10) 221–249 Open2 (wheel slot 1) 250–255 Auto Random
16	Gobo Rotation 2	0	0–63 Min 64–126 Center 127–127 Max 128–187 >>> 188–195 Stop 196–255 <<<

33CH (continued)

Ch	Function	Default	DMX values
17	Prism	0	0–3 Closed (wheel slot 1) 4–15 Prism Pos 1 (wheel slot 2) 16–27 Prism Pos 2 (wheel slot 3) 28–39 Prism Pos 3 (wheel slot 4) 40–51 Prism 1 <> (wheel slot 2) 52–63 Prism 2 <> (wheel slot 3) 64–255 Prism 3 <> (wheel slot 4)
18	Prism Rotation	128	0–0 Min 1–124 >>> 125–127 >> 128–128 Center 129–232 Max 233–255 <<<
19	Prism	0	0–3 Open (wheel slot 1) 4–15 Prism (wheel slot 2) 16–255 Prism <> (wheel slot 2)
20	Prism Rotation	128	0–0 Min 1–124 >>> 125–127 >> 128–128 Center 129–232 Max 233–255 <<<
21	Prism	0	0–3 Open (wheel slot 1) 4–15 Prism1 (wheel slot 2) 16–255 Prism1<> (wheel slot 2)
22	Prism Rotation	128	0–0 Min 1–124 >>> 125–127 >> 128–128 Center 129–232 Max 233–255 <<<
23	Frost1	0	0–0 Open 1–50 Frost1 0% to 100% 51–53 Frost 1 54–63 Pulse Closing 1 64–73 Pulse Opening 1 74–83 Ramping 1 84–86 Open 87–136 Frost2 0% to 100% 137–139 Frost 2 140–149 Pulse Closing 2 150–159 Pulse Opening 2 160–169 Ramping 2 170–172 Open 173–222 Frost3 0% to 100% 223–225 Frost 3 226–235 Pulse Closing 3 236–245 Pulse Opening 3 246–255 Ramping 3
24	Zoom	127	
25	Zoom Fine	255	Fine byte of Zoom
26	Focus	128	
27	Focus Fine	128	Fine byte of Focus
28	Focus2	128	

33CH (continued)

Ch	Function	Default	DMX values
29	Focus1Distance	0	0–15 OFF 16–55 10m 56–95 15m 96–135 20m 136–175 30m 176–215 40m 216–255 50m
30	Shutter / Strobe	224	0–31 Closed 32–63 Open 64–78 Strobe · Slow to fast 1/12 0.5–9.31 Hz 79–94 Strobe · Slow to fast 6/12 9.94–19.4 Hz 95–95 Strobe · Slow to fast 11/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.5–8.3 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 9.6–16.1 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 17.4–20 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–7 Hz 150–155 StrobePulseClose · Fast to slow 4/7 8.3–14.8 Hz 156–159 StrobePulseClose · Fast to slow 7/7 16.1–20 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
31	Dimmer	0	0–254 Closed 255–255 Open
32	Dimmer Fine	0	Fine byte of Dimmer
33	Hotspot	0	0–254 Closed 255–255 Open

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	Position MSpeed	0	0–0 Standard mode 1–1 Max Speed Mode 2–254 Pan/Tilt Speed/Time 255–255 Min Speed Mode
6	Control1	0	0–79 No Function 80–84 Dis Blink Off 85–89 Dis Blink On 90–94 CMY Mode:Standard 95–99 CMY Mode:Theater 100–104 P/T Standard 105–109 P/T Fast 110–114 P/T Precise 115–119 FX Auto Focus Off 120–129 FX Auto Focus On 130–139 Lamp On 140–149 P/T Reset 150–159 Colour Reset 160–179 Gobo Reset 180–199 Zoom Reset 200–229 All Reset 230–255 Lamp Off

35CH (continued)

Ch	Function	Default	DMX values
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	Shutter / Strobe	224	0–31 Closed 32–63 Open 64–78 Strobe · Slow to fast 1/12 0.5–9.31 Hz 79–94 Strobe · Slow to fast 6/12 9.94–19.4 Hz 95–95 Strobe · Slow to fast 11/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.5–8.3 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 9.6–16.1 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 17.4–20 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–7 Hz 150–155 StrobePulseClose · Fast to slow 4/7 8.3–14.8 Hz 156–159 StrobePulseClose · Fast to slow 7/7 16.1–20 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
10	Cyan	0	
11	Magenta	0	
12	Yellow	0	
13	C TO	0	0–254 7000K 255–255 3000K
14	Color Wheel	0	0–127 White (wheel slot 1) 128–129 CRI (wheel slot 2) 130–134 Red (wheel slot 3) 135–138 Orange (wheel slot 4) 139–143 Aquamarine (wheel slot 5) 144–147 Green (wheel slot 6) 148–152 Light Green (wheel slot 7) 153–157 Lavender (wheel slot 8) 158–161 Pink (wheel slot 9) 162–166 Yellow (wheel slot 10) 167–171 Magenta (wheel slot 11) 172–176 Cyan (wheel slot 12) 177–180 CTO 260 (wheel slot 13) 181–185 CTO 190 (wheel slot 14) 186–189 Blue (wheel slot 15) 190–215 >>> 216–217 Stop 218–243 <<< 244–249 Random 1 250–255 Random 2
15	Color Wheel Fine	0	Fine byte of Color Wheel

35CH (continued)

Ch	Function	Default	DMX values
16	Gobo	0	0–9 Open (wheel slot 1) 10–15 Beam 1 (wheel slot 2) 16–21 Beam 2 (wheel slot 3) 22–27 Beam 3 (wheel slot 4) 28–33 Gobo 1 (wheel slot 5) 34–39 Gobo 2 (wheel slot 6) 40–45 Gobo 3 (wheel slot 7) 46–51 Gobo 4 (wheel slot 8) 52–57 Gobo 5 (wheel slot 9) 58–63 Gobo 6 (wheel slot 10) 64–69 Gobo 7 (wheel slot 11) 70–75 Gobo 8 (wheel slot 12) 76–81 Gobo 9 (wheel slot 13) 82–87 Gobo 10 (wheel slot 14) 88–95 Beam 1 Shake (wheel slot 1) 96–103 Beam 2 Shake (wheel slot 2) 104–111 Beam 3 Shake (wheel slot 3) 112–119 Beam 4 Shake (wheel slot 4) 120–127 Gobo 1 Shake (wheel slot 5) 128–135 Gobo 2 Shake (wheel slot 6) 136–143 Gobo 3 Shake (wheel slot 7) 144–151 Gobo 4 Shake (wheel slot 8) 152–159 Gobo 5 Shake (wheel slot 9) 160–167 Gobo 6 Shake (wheel slot 10) 168–175 Gobo 7 Shake (wheel slot 11) 176–183 Gobo 8 Shake (wheel slot 12) 184–191 Gobo 9 Shake (wheel slot 13) 192–201 Gobo 10 Shake (wheel slot 14) 202–222 >>> 223–228 Stop 229–249 <<< 250–250 Auto random fast 251–254 Auto random fast to slow 255–255 Auto random slow
17	Gobo 2	0	0–0 Open (wheel slot 1) 1–10 Open2 (wheel slot 1) 11–16 Gobo 1 (wheel slot 2) 17–22 Gobo 2 (wheel slot 3) 23–28 Gobo 3 (wheel slot 4) 29–34 Gobo 4 (wheel slot 5) 35–40 Gobo 5 (wheel slot 6) 41–46 Gobo 6 (wheel slot 7) 47–52 Gobo 7 (wheel slot 8) 53–58 Gobo 8 (wheel slot 9) 59–64 Gobo 9 (wheel slot 10) 65–71 Gobo 1 Shake (wheel slot 2) 72–78 Gobo 2 Shake (wheel slot 3) 79–85 Gobo 3 Shake (wheel slot 4) 86–92 Gobo 4 Shake (wheel slot 5) 93–99 Gobo 5 Shake (wheel slot 6) 100–106 Gobo 6 Shake (wheel slot 7) 107–113 Gobo 7 Shake (wheel slot 8) 114–120 Gobo 8 Shake (wheel slot 9) 121–127 Gobo 9 Shake (wheel slot 10) 128–190 >>> 191–192 Stop 193–255 <<<<

35CH (continued)

Ch	Function	Default	DMX values
18	Gobo Rotation 2	0	0–63 Min 64–126 Center 127–127 Max 128–187 >>> 188–195 Stop 196–255 <<<
19	Animation Wheel1	0	0–127 Open (wheel slot 1) 128–255 Animation (wheel slot 2)
20	Animation Wheel1Pos	128	0–0 No Function 1–127 >>> 128–191 Stop 192–255 <<<
21	Prism	0	0–3 Closed (wheel slot 1) 4–15 Prism Pos 1 (wheel slot 2) 16–27 Prism Pos 2 (wheel slot 3) 28–39 Prism Pos 3 (wheel slot 4) 40–51 Prism 1 <> (wheel slot 2) 52–63 Prism 2 <> (wheel slot 3) 64–255 Prism 3 <> (wheel slot 4)
22	Prism Rotation	128	0–0 Min 1–124 >>> 125–127 >> 128–128 Center 129–232 Max 233–255 <<<
23	Prism	0	0–3 Open (wheel slot 1) 4–15 Prism (wheel slot 2) 16–255 Prism <> (wheel slot 2)
24	Prism Rotation	128	0–0 Min 1–124 >>> 125–127 >> 128–128 Center 129–232 Max 233–255 <<<
25	Prism	0	0–3 Open (wheel slot 1) 4–15 Prism1 (wheel slot 2) 16–255 Prism1<> (wheel slot 2)
26	Prism Rotation	128	0–0 Min 1–124 >>> 125–127 >> 128–128 Center 129–232 Max 233–255 <<<
27	Frost1	0	0–254 Closed 255–255 Frost1
28	Frost2	0	0–254 Closed 255–255 Frost2
29	Zoom	127	
30	Zoom Fine	255	Fine byte of Zoom
31	Focus	128	
32	Focus Fine	128	Fine byte of Focus

35CH (continued)

Ch	Function	Default	DMX values
33	Focus1Distance	0	0–15 OFF 16–55 10m 56–95 15m 96–135 20m 136–175 30m 176–215 40m 216–255 50m
34	Focus2	128	
35	Hotspot	0	0–254 Closed 255–255 Open

36CH

36 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	Position MSpeed	0	0–0 Standard mode 1–1 Max Speed Mode 2–254 Pan/Tilt Speed/Time 255–255 Min Speed Mode
6	Control1	0	0–79 No Function 80–84 Dis Blink Off 85–89 Dis Blink On 90–94 CMY Mode:Standard 95–99 CMY Mode:Theater 100–104 P/T Standard 105–109 P/T Fast 110–114 P/T Precise 115–119 FX Auto Focus Off 120–129 FX Auto Focus On 130–139 Lamp On 140–149 P/T Reset 150–159 Colour Reset 160–179 Gobo Reset 180–199 Zoom Reset 200–229 All Reset 230–255 Lamp Off
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	Shutter / Strobe	224	0–31 Closed 32–63 Open 64–78 Strobe · Slow to fast 1/12 0.5–9.31 Hz 79–94 Strobe · Slow to fast 6/12 9.94–19.4 Hz 95–95 Strobe · Slow to fast 11/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.5–8.3 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 9.6–16.1 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 17.4–20 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–7 Hz 150–155 StrobePulseClose · Fast to slow 4/7 8.3–14.8 Hz 156–159 StrobePulseClose · Fast to slow 7/7 16.1–20 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open

36CH (continued)

Ch	Function	Default	DMX values
10	Cyan	0	
11	Magenta	0	
12	Yellow	0	
13	C TO	0	0–254 7000K 255–255 3000K
14	Color Wheel	0	0–127 White (wheel slot 1) 128–129 CRI (wheel slot 2) 130–134 Red (wheel slot 3) 135–138 Orang (wheel slot 4) 139–143 Aquamarine (wheel slot 5) 144–147 Green (wheel slot 6) 148–152 Light Green (wheel slot 7) 153–157 Lavender (wheel slot 8) 158–161 Pink (wheel slot 9) 162–166 Yellow (wheel slot 10) 167–171 Magenta (wheel slot 11) 172–176 Cyan (wheel slot 12) 177–180 CTO 260 (wheel slot 13) 181–185 CTO 190 (wheel slot 14) 186–189 Blue (wheel slot 15) 190–215 >>> 216–217 Stop 218–243 <<< 244–249 Random 1 250–255 Random 2
15	Color Wheel Fine	0	Fine byte of Color Wheel
16	Gobo	0	0–9 Open (wheel slot 1) 10–15 Beam 1 (wheel slot 2) 16–21 Beam 2 (wheel slot 3) 22–27 Beam 3 (wheel slot 4) 28–33 Gobo 1 (wheel slot 5) 34–39 Gobo 2 (wheel slot 6) 40–45 Gobo 3 (wheel slot 7) 46–51 Gobo 4 (wheel slot 8) 52–57 Gobo 5 (wheel slot 9) 58–63 Gobo 6 (wheel slot 10) 64–69 Gobo 7 (wheel slot 11) 70–75 Gobo 8 (wheel slot 12) 76–81 Gobo 9 (wheel slot 13) 82–87 Gobo 10 (wheel slot 14) 88–95 Beam 1 Shake (wheel slot 1) 96–103 Beam 2 Shake (wheel slot 2) 104–111 Beam 3 Shake (wheel slot 3) 112–119 Beam 4 Shake (wheel slot 4) 120–127 Gobo 1 Shake (wheel slot 5) 128–135 Gobo 2 Shake (wheel slot 6) 136–143 Gobo 3 Shake (wheel slot 7) 144–151 Gobo 4 Shake (wheel slot 8) 152–159 Gobo 5 Shake (wheel slot 9) 160–167 Gobo 6 Shake (wheel slot 10) 168–175 Gobo 7 Shake (wheel slot 11) 176–183 Gobo 8 Shake (wheel slot 12) 184–191 Gobo 9 Shake (wheel slot 13) 192–201 Gobo 10 Shake (wheel slot 14) 202–222 >>> 223–228 Stop 229–249 <<< 250–250 Auto random fast 251–254 Auto random fast to slow 255–255 Auto random slow

36CH (continued)

Ch	Function	Default	DMX values
17	Gobo 2	0	0–0 Open (wheel slot 1) 1–10 Open2 (wheel slot 1) 11–16 Gobo 1 (wheel slot 2) 17–22 Gobo 2 (wheel slot 3) 23–28 Gobo 3 (wheel slot 4) 29–34 Gobo 4 (wheel slot 5) 35–40 Gobo 5 (wheel slot 6) 41–46 Gobo 6 (wheel slot 7) 47–52 Gobo 7 (wheel slot 8) 53–58 Gobo 8 (wheel slot 9) 59–64 Gobo 9 (wheel slot 10) 65–71 Gobo 1 Shake (wheel slot 2) 72–78 Gobo 2 Shake (wheel slot 3) 79–85 Gobo 3 Shake (wheel slot 4) 86–92 Gobo 4 Shake (wheel slot 5) 93–99 Gobo 5 Shake (wheel slot 6) 100–106 Gobo 6 Shake (wheel slot 7) 107–113 Gobo 7 Shake (wheel slot 8) 114–120 Gobo 8 Shake (wheel slot 9) 121–127 Gobo 9 Shake (wheel slot 10) 128–190 >>> 191–192 Stop 193–255 <<<
18	Gobo Rotation 2	0	0–63 Min 64–126 Center 127–127 Max 128–187 >>> 188–195 Stop 196–255 <<<
19	Animation Wheel1	0	0–127 Open (wheel slot 1) 128–255 Animation (wheel slot 2)
20	Animation Wheel1Pos	128	0–0 No Function 1–127 >>> 128–191 Stop 192–255 <<<
21	Prism	0	0–3 Closed (wheel slot 1) 4–15 Prism Pos 1 (wheel slot 2) 16–27 Prism Pos 2 (wheel slot 3) 28–39 Prism Pos 3 (wheel slot 4) 40–51 Prism 1 <> (wheel slot 2) 52–63 Prism 2 <> (wheel slot 3) 64–255 Prism 3 <> (wheel slot 4)
22	Prism Rotation	128	0–0 Min 1–124 >>> 125–127 >> 128–128 Center 129–232 Max 233–255 <<<
23	Prism	0	0–3 Open (wheel slot 1) 4–15 Prism (wheel slot 2) 16–255 Prism <> (wheel slot 2)
24	Prism Rotation	128	0–0 Min 1–124 >>> 125–127 >> 128–128 Center 129–232 Max 233–255 <<<
25	Prism	0	0–3 Open (wheel slot 1) 4–15 Prism1 (wheel slot 2) 16–255 Prism1<> (wheel slot 2)

36CH (continued)

Ch	Function	Default	DMX values
26	Prism Rotation	128	0–0 Min 1–124 >>> 125–127 >> 128–128 Center 129–232 Max 233–255 <<<
27	Frost1	0	0–254 Closed 255–255 Frost1
28	Frost2	0	0–254 Closed 255–255 Frost2
29	Zoom	127	
30	Zoom Fine	255	Fine byte of Zoom
31	Focus	128	
32	Focus Fine	128	Fine byte of Focus
33	Focus1Distance	0	0–15 OFF 16–55 10m 56–95 15m 96–135 20m 136–175 30m 176–215 40m 216–255 50m
34	Focus2	128	
35	Hotspot	0	0–254 Closed 255–255 Open
36	Model Content1	0	0–127 Spot Mode 128–255 Beam Mode

39CH

39 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	Position MSpeed	0	0–0 Standard mode 1–1 Max Speed Mode 2–254 Pan/Tilt Speed/Time 255–255 Min Speed Mode
6	Control1	0	0–79 No Function 80–84 Dis Blink Off 85–89 Dis Blink On 90–94 CMY Mode:Standard 95–99 CMY Mode:Theater 100–104 P/T Standard 105–109 P/T Fast 110–114 P/T Precise 115–119 FX Auto Focus Off 120–129 FX Auto Focus On 130–139 Lamp On 140–149 P/T Reset 150–159 Color Reset 160–179 Gobo Reset 180–199 Zoom Reset 200–229 All Reset 230–255 Lamp Off

39CH (continued)

Ch	Function	Default	DMX values
7	Cyan	0	
8	Magenta	0	
9	Yellow	0	
10	Color Wheel	0	0–127 White (wheel slot 1) 128–129 CRI (wheel slot 2) 130–134 Red (wheel slot 3) 135–138 Orange (wheel slot 4) 139–143 Aquamarine (wheel slot 5) 144–147 Green (wheel slot 6) 148–152 Light Green (wheel slot 7) 153–157 Lavender (wheel slot 8) 158–161 Pink (wheel slot 9) 162–166 Yellow (wheel slot 10) 167–171 Magenta (wheel slot 11) 172–176 Cyan (wheel slot 12) 177–180 CTO 260 (wheel slot 13) 181–185 CTO 190 (wheel slot 14) 186–189 Blue (wheel slot 15) 190–215 >>> 216–217 Stop 218–243 <<< 244–249 Random 1 250–255 Random 2
11	Color Wheel Fine	0	Fine byte of Color Wheel
12	Color Macro1	0	
13	Color Mix MSpeed	0	
14	Color Wheel Select MSpeed	0	
15	Zoom MSpeed	0	
16	Animation Wheel1	0	0–126 Open (wheel slot 1) 127–127 Animation (wheel slot 2) 128–170 <<>> (wheel slot 2) 171–213 <> (wheel slot 2) 214–255 <><> (wheel slot 2)
17	Animation Wheel1Pos	128	0–0 No Function 1–127 >>> 128–191 Stop 192–255 <<<
18	Animation Wheel1Macro	0	0–3 No Function 4–5 Macro 1 6–7 Macro 2 8–9 Macro 3 10–11 Macro 4 12–13 Macro 5 14–15 Macro 6 16–17 Macro 7 18–19 Macro 8 20–21 Macro 9 22–23 Macro 10 24–25 Macro 11 26–27 Macro 12 28–29 Macro 13 30–31 Macro 14 32–33 Macro 15 34–35 Macro 16 36–37 Macro 17 38–39 Macro 18 40–41 Macro 19 42–255 Macro 20

39CH (continued)

Ch	Function	Default	DMX values
19	Gobo	0	0–9 Open (wheel slot 1) 10–15 Beam 1 (wheel slot 2) 16–21 Beam 2 (wheel slot 3) 22–27 Beam 3 (wheel slot 4) 28–33 Gobo 1 (wheel slot 5) 34–39 Gobo 2 (wheel slot 6) 40–45 Gobo 3 (wheel slot 7) 46–51 Gobo 4 (wheel slot 8) 52–57 Gobo 5 (wheel slot 9) 58–63 Gobo 6 (wheel slot 10) 64–69 Gobo 7 (wheel slot 11) 70–75 Gobo 8 (wheel slot 12) 76–81 Gobo 9 (wheel slot 13) 82–87 Gobo 10 (wheel slot 14) 88–95 Beam 1 Shake (wheel slot 1) 96–103 Beam 2 Shake (wheel slot 2) 104–111 Beam 3 Shake (wheel slot 3) 112–119 Beam 4 Shake (wheel slot 4) 120–127 Gobo 1 Shake (wheel slot 5) 128–135 Gobo 2 Shake (wheel slot 6) 136–143 Gobo 3 Shake (wheel slot 7) 144–151 Gobo 4 Shake (wheel slot 8) 152–159 Gobo 5 Shake (wheel slot 9) 160–167 Gobo 6 Shake (wheel slot 10) 168–175 Gobo 7 Shake (wheel slot 11) 176–183 Gobo 8 Shake (wheel slot 12) 184–191 Gobo 9 Shake (wheel slot 13) 192–201 Gobo 10 Shake (wheel slot 14) 202–222 >>> 223–228 Stop 229–249 <<< 250–250 Auto random fast 251–254 Auto random fast to slow 255–255 Auto random slow

39CH (continued)

Ch	Function	Default	DMX values
20	Gobo 2	0	0–0 Open (wheel slot 1) 1–4 Open2 (wheel slot 1) 5–7 Gobo 1 (wheel slot 2) 8–10 Gobo 2 (wheel slot 3) 11–13 Gobo 3 (wheel slot 4) 14–16 Gobo 4 (wheel slot 5) 17–19 Gobo 5 (wheel slot 6) 20–22 Gobo 6 (wheel slot 7) 23–25 Gobo 7 (wheel slot 8) 26–28 Gobo 8 (wheel slot 9) 29–31 Gobo 9 (wheel slot 10) 32–34 Gobo 1 (wheel slot 2) 35–37 Gobo 2 (wheel slot 3) 38–40 Gobo 3 (wheel slot 4) 41–43 Gobo 4 (wheel slot 5) 44–46 Gobo 5 (wheel slot 6) 47–49 Gobo 6 (wheel slot 7) 50–52 Gobo 7 (wheel slot 8) 53–55 Gobo 8 (wheel slot 9) 56–59 Gobo 9 (wheel slot 10) 60–67 Gobo 1 Shake (wheel slot 2) 68–75 Gobo 2 Shake (wheel slot 3) 76–83 Gobo 3 Shake (wheel slot 4) 84–91 Gobo 4 Shake (wheel slot 5) 92–99 Gobo 5 Shake (wheel slot 6) 100–107 Gobo 6 Shake (wheel slot 7) 108–115 Gobo 7 Shake (wheel slot 8) 116–123 Gobo 8 Shake (wheel slot 9) 124–129 Gobo 9 Shake (wheel slot 10) 130–137 Gobo 1 Shake (wheel slot 2) 138–145 Gobo 2 Shake (wheel slot 3) 146–153 Gobo 3 Shake (wheel slot 4) 154–161 Gobo 4 Shake (wheel slot 5) 162–169 Gobo 5 Shake (wheel slot 6) 170–177 Gobo 6 Shake (wheel slot 7) 178–185 Gobo 7 Shake (wheel slot 8) 186–193 Gobo 8 Shake (wheel slot 9) 194–199 Gobo 9 Shake (wheel slot 10) 200–201 Open 202–222 >>> 223–243 <<< 244–249 Random 1 250–255 Random 2
21	Gobo Rotation 2	0	
22	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
23	Prism	0	0–3 Closed (wheel slot 1) 4–7 Prism Pos 1 (wheel slot 2) 8–11 Prism Pos 2 (wheel slot 3) 12–15 Prism Pos 3 (wheel slot 4) 16–19 Prism 1 <> (wheel slot 2) 20–23 Prism 2 <> (wheel slot 3) 24–255 Prism 3 <> (wheel slot 4)
24	Prism Rotation	128	0–0 Min 1–124 >>> 125–127 >> 128–128 Center 129–232 Max 233–255 <<<
25	Prism	0	
26	Prism Rotation	128	

39CH (continued)

Ch	Function	Default	DMX values
27	Prism	0	
28	Prism Macro Pos	0	
29	Prism	0	0–3 Closed 4–10 Prism1 11–19 Prism2 20–23 PrismPos 1 24–255 PrismPos 2
30	Prism Rotation	128	0–0 Min 1–124 >>> 125–127 >> 128–128 Center 129–232 Max 233–255 <<<
31	Frost1	0	0–0 Open 1–50 Frost1 0% to 100% 51–53 Frost 1 54–63 Pulse Closing 1 64–73 Pulse Opening 1 74–83 Ramping 1 84–86 Open 87–136 Frost2 0% to 100% 137–139 Frost 2 140–149 Pulse Closing 2 150–159 Pulse Opening 2 160–169 Ramping 2 170–172 Open 173–222 Frost3 0% to 100% 223–225 Frost 3 226–235 Pulse Closing 3 236–245 Pulse Opening 3 246–255 Ramping 3
32	Zoom	127	
33	Zoom Fine	255	Fine byte of Zoom
34	Focus	128	
35	Focus Fine	128	Fine byte of Focus
36	Hotspot	0	0–254 Closed 255–255 Open
37	Shutter / Strobe	224	0–31 Closed 32–63 Open 64–78 Strobe · Slow to fast 1/12 0.5–9.31 Hz 79–94 Strobe · Slow to fast 6/12 9.94–19.4 Hz 95–95 Strobe · Slow to fast 11/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.5–8.3 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 9.6–16.1 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 17.4–20 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–7 Hz 150–155 StrobePulseClose · Fast to slow 4/7 8.3–14.8 Hz 156–159 StrobePulseClose · Fast to slow 7/7 16.1–20 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
38	Dimmer	0	0–254 Closed 255–255 Open
39	Dimmer Fine	0	Fine byte of Dimmer