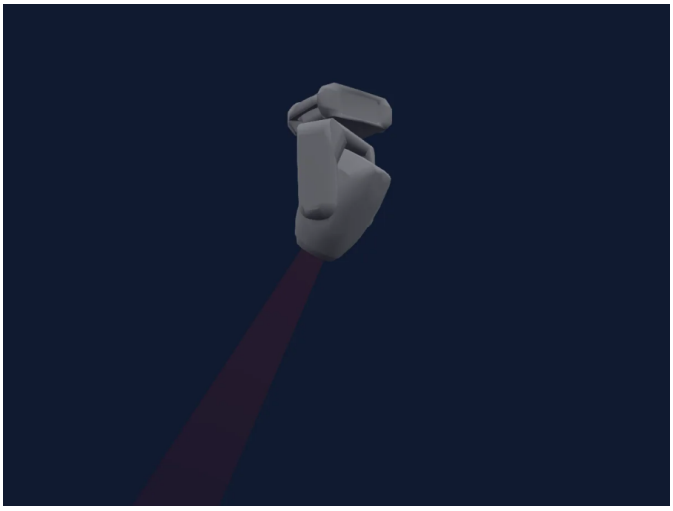
Event Lighting

M1S80W



Manufacturer	**Event Lighting**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**11, 13, 17, 18 channels**
Beam angle	**12°**
Pan range	**540°**
Tilt range	**260°**
Size (W × H × D)	**252 × 306 × 178 mm**
GDTF fixture type	**A6992114-C59D-413E-BED1-89…**

Controls

Focus · Prism · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Service functions · Strobe

DMX modes

Basic 1	11 ch
Basic 2	13 ch
Standard	17 ch
Extended	18 ch

Basic 1

11 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	
4	Shutter / Strobe	224	0–31 Closed 32–63 Open 64–65 Slow Strobe 66–94 Strobe 95–95 Fast Strobe 96–127 Open 128–159 Pulse Effects 160–191 Open 192–192 Random Strobe min 193–222 Random Strobe 223–223 Random Strobe max 224–255 Open
5	Dimmer	0	0–254 Close 255–255 Open

Basic 1 (continued)

Ch	Function	Default	DMX values
6	Color Wheel	0	0–2 Open (wheel slot 1) 3–5 OPEN+DARK RED (wheel slot 1) 6–8 DARK RED (wheel slot 2) 9–11 DARK RED+YELLOW (wheel slot 2) 12–14 YELLOW (wheel slot 3) 15–17 YELLOW+MAGENTA (wheel slot 3) 18–20 MAGENTA (wheel slot 4) 21–23 MAGENTA+CYAN (wheel slot 4) 24–26 CYAN (wheel slot 5) 27–29 CYAN+DEEP ORANGE (wheel slot 5) 30–32 DEEP ORANGE (wheel slot 6) 33–35 DEEP ORANGE+FOREST GREEN (wheel slot 6) 36–38 FOREST GREEN (wheel slot 7) 39–41 FOREST GREEN+CTO 3200K (wheel slot 7) 42–44 CTO 3200K (wheel slot 8) 45–47 CTO 3200K+DEEP BLUE (wheel slot 8) 48–50 DEEP BLUE (wheel slot 9) 51–53 DEEP BLUE+OPEN (wheel slot 9) 54–56 Open (wheel slot 1) 57–59 OPEN+DARK RED (wheel slot 1) 60–62 DARK RED (wheel slot 2) 63–65 DARK RED+YELLOW (wheel slot 2) 66–68 YELLOW (wheel slot 3) 69–71 YELLOW+MAGENTA (wheel slot 3) 72–74 MAGENTA (wheel slot 4) 75–77 MAGENTA+CYAN (wheel slot 4) 78–80 CYAN (wheel slot 5) 81–83 CYAN+DEEP ORANGE (wheel slot 5) 84–86 DEEP ORANGE (wheel slot 6) 87–89 DEEP ORANGE+FOREST GREEN (wheel slot 6) 90–92 FOREST GREEN (wheel slot 7) 93–95 FOREST GREEN+CTO 3200K (wheel slot 7) 96–98 CTO 3200K (wheel slot 8) 99–101 CTO 3200K+DEEP BLUE (wheel slot 8) 102–103 DEEP BLUE (wheel slot 9) 104–106 DEEP BLUE+OPEN (wheel slot 9) 107–119 Open (wheel slot 1) 120–132 DARK RED (wheel slot 2) 133–145 YELLOW (wheel slot 3) 146–158 MAGENTA (wheel slot 4) 159–171 CYAN (wheel slot 5) 172–184 DEEP ORANGE (wheel slot 6) 185–197 FOREST GREEN (wheel slot 7) 198–210 CTO 3200K (wheel slot 8) 211–223 DEEP BLUE (wheel slot 9) 224–224 CW Spin Stop 225–238 CW Spin 239–239 CW Spin Fast 240–240 CCW Stop 241–254 CCW Spin 255–255 CCW Spin Fast

Basic 1 (continued)

Ch	Function	Default	DMX values
7	Gobo	0	0–5 Open (wheel slot 1) 6–11 Gobo 1 (wheel slot 2) 12–17 Gobo 2 (wheel slot 3) 18–23 Gobo 3 (wheel slot 4) 24–29 Gobo 4 (wheel slot 5) 30–35 Gobo 5 (wheel slot 6) 36–41 Gobo 6 (wheel slot 7) 42–47 Gobo 7 (wheel slot 8) 48–53 Open (wheel slot 1) 54–59 Gobo 1 (wheel slot 2) 60–65 Gobo 2 (wheel slot 3) 66–71 Gobo 3 (wheel slot 4) 72–77 Gobo 4 (wheel slot 5) 78–83 Gobo 5 (wheel slot 6) 84–89 Gobo 6 (wheel slot 7) 90–97 Gobo 7 (wheel slot 8) 98–115 Gobo 1 (wheel slot 2) 116–133 Gobo 2 (wheel slot 3) 134–151 Gobo 3 (wheel slot 4) 152–169 Gobo 4 (wheel slot 5) 170–187 Gobo 5 (wheel slot 6) 188–205 Gobo 6 (wheel slot 7) 206–223 Gobo 7 (wheel slot 8) 224–224 CW Spin Stop 225–238 CW Spin 239–239 CW Spin Fast 240–240 CCW Spin Stop 241–254 CCW Spin 255–255 CCW Spin Fast
8	Gobo Rotation	0	0–191 0-360 degrees 192–192 CW Animate Stop 193–206 CW Animate 207–207 CW Animate Fast 208–208 CCW Animate Stop 209–222 CCW Animate 223–223 CCW Animate Fast 224–224 CW Spin Stop 225–238 CW Spin 239–239 CW Spin Fast 240–240 CCW Spin Stop 241–254 CCW Spin 255–255 CCW Spin Fast
9	Prism	0	0–2 open (wheel slot 1) 3–3 16f prism (wheel slot 2) 4–127 From slow to fast 128–131 stop 132–255 From slow to fast
10	Focus	127	
11	Control1	0	0–7 NoFeature 8–15 RESET ALL 16–23 RESET PAN/TILT 24–31 RESET COLOR WHEEL 32–39 RESET ROTATING GOBO 40–47 Reserved 1 48–55 OTHER RESET 56–63 DISPLAY ON 64–71 DISPLAY OFF 72–87 Reserved 2 88–95 Hibernation 96–255 Reserved 3

Basic 2

13 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	
6	Shutter / Strobe	224	0–31 Closed 32–63 Open 64–65 Slow Strobe 66–94 Strobe 95–95 Fast Strobe 96–127 Open 128–159 Pulse Effects 160–191 Open 192–192 Random Strobe min 193–222 Random Strobe 223–223 Random Strobe max 224–255 Open
7	Dimmer	0	0–254 Close 255–255 Open

Basic 2 (continued)

Ch	Function	Default	DMX values
8	Color Wheel	0	0–2 Open (wheel slot 1) 3–5 OPEN+DARK RED (wheel slot 1) 6–8 DARK RED (wheel slot 2) 9–11 DARK RED+YELLOW (wheel slot 2) 12–14 YELLOW (wheel slot 3) 15–17 YELLOW+MAGENTA (wheel slot 3) 18–20 MAGENTA (wheel slot 4) 21–23 MAGENTA+CYAN (wheel slot 4) 24–26 CYAN (wheel slot 5) 27–29 CYAN+DEEP ORANGE (wheel slot 5) 30–32 DEEP ORANGE (wheel slot 6) 33–35 DEEP ORANGE+FOREST GREEN (wheel slot 6) 36–38 FOREST GREEN (wheel slot 7) 39–41 FOREST GREEN+CTO 3200K (wheel slot 7) 42–44 CTO 3200K (wheel slot 8) 45–47 CTO 3200K+DEEP BLUE (wheel slot 8) 48–50 DEEP BLUE (wheel slot 9) 51–53 DEEP BLUE+OPEN (wheel slot 9) 54–56 Open (wheel slot 1) 57–59 OPEN+DARK RED (wheel slot 1) 60–62 DARK RED (wheel slot 2) 63–65 DARK RED+YELLOW (wheel slot 2) 66–68 YELLOW (wheel slot 3) 69–71 YELLOW+MAGENTA (wheel slot 3) 72–74 MAGENTA (wheel slot 4) 75–77 MAGENTA+CYAN (wheel slot 4) 78–80 CYAN (wheel slot 5) 81–83 CYAN+DEEP ORANGE (wheel slot 5) 84–86 DEEP ORANGE (wheel slot 6) 87–89 DEEP ORANGE+FOREST GREEN (wheel slot 6) 90–92 FOREST GREEN (wheel slot 7) 93–95 FOREST GREEN+CTO 3200K (wheel slot 7) 96–98 CTO 3200K (wheel slot 8) 99–101 CTO 3200K+DEEP BLUE (wheel slot 8) 102–103 DEEP BLUE (wheel slot 9) 104–106 DEEP BLUE+OPEN (wheel slot 9) 107–119 Open (wheel slot 1) 120–132 DARK RED (wheel slot 2) 133–145 YELLOW (wheel slot 3) 146–158 MAGENTA (wheel slot 4) 159–171 CYAN (wheel slot 5) 172–184 DEEP ORANGE (wheel slot 6) 185–197 FOREST GREEN (wheel slot 7) 198–210 CTO 3200K (wheel slot 8) 211–223 DEEP BLUE (wheel slot 9) 224–224 CW Spin Stop 225–238 CW Spin 239–239 CW Spin Fast 240–240 CCW Stop 241–254 CCW Spin 255–255 CCW Spin Fast

Basic 2 (continued)

Ch	Function	Default	DMX values
9	Gobo	0	0–5 Open (wheel slot 1) 6–11 Gobo 1 (wheel slot 2) 12–17 Gobo 2 (wheel slot 3) 18–23 Gobo 3 (wheel slot 4) 24–29 Gobo 4 (wheel slot 5) 30–35 Gobo 5 (wheel slot 6) 36–41 Gobo 6 (wheel slot 7) 42–47 Gobo 7 (wheel slot 8) 48–53 Open (wheel slot 1) 54–59 Gobo 1 (wheel slot 2) 60–65 Gobo 2 (wheel slot 3) 66–71 Gobo 3 (wheel slot 4) 72–77 Gobo 4 (wheel slot 5) 78–83 Gobo 5 (wheel slot 6) 84–89 Gobo 6 (wheel slot 7) 90–97 Gobo 7 (wheel slot 8) 98–115 Gobo 1 (wheel slot 2) 116–133 Gobo 2 (wheel slot 3) 134–151 Gobo 3 (wheel slot 4) 152–169 Gobo 4 (wheel slot 5) 170–187 Gobo 5 (wheel slot 6) 188–205 Gobo 6 (wheel slot 7) 206–223 Gobo 7 (wheel slot 8) 224–224 CW Spin Stop 225–238 CW Spin 239–239 CW Spin Fast 240–240 CCW Spin Stop 241–254 CCW Spin 255–255 CCW Spin Fast
10	Gobo Rotation	0	0–191 0-360 degrees 192–192 CW Animate Stop 193–206 CW Animate 207–207 CW Animate Fast 208–208 CCW Animate Stop 209–222 CCW Animate 223–223 CCW Animate Fast 224–224 CW Spin Stop 225–238 CW Spin 239–239 CW Spin Fast 240–240 CCW Spin Stop 241–254 CCW Spin 255–255 CCW Spin Fast
11	Prism	0	0–2 open (wheel slot 1) 3–3 16f prism (wheel slot 2) 4–127 From slow to fast 128–131 stop 132–255 From slow to fast
12	Focus	127	
13	Control1	0	0–7 NoFeature 8–15 RESET ALL 16–23 RESET PAN/TILT 24–31 RESET COLOR WHEEL 32–39 RESET ROTATING GOBO 40–47 Reserved 1 48–55 OTHER RESET 56–63 DISPLAY ON 64–71 DISPLAY OFF 72–87 Reserved 2 88–95 Hibernation 96–255 Reserved 3

Standard

17 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Strobe Mode Shutter	0	0–15 Normal Shutter Function 16–31 Pulse-effect Forward 32–47 Pulse-effect Reverse 48–63 Random Strobe 64–255 TBD
7	Strobe Mode Effect	255	0–31 closed 32–222 min 223–223 max 224–255 Open
8	Dimmer	0	0–254 Close 255–255 Open
9	Color1Mode	0	0–15 Indexed 16–31 Indexed with Blackout 32–47 Forward Spin 48–63 Reverse Spin 64–79 Continuous 80–111 Color Bounce 112–255 TBD
10	Color Wheel	0	0–13 Open (wheel slot 1) 14–27 OPEN+DARK RED (wheel slot 1) 28–41 DARK RED (wheel slot 2) 42–55 DARK RED+YELLOW (wheel slot 2) 56–69 YELLOW (wheel slot 3) 70–83 YELLOW+MAGENTA (wheel slot 3) 84–97 MAGENTA (wheel slot 4) 98–111 MAGENTA+CYAN (wheel slot 4) 112–125 CYAN (wheel slot 5) 126–139 CYAN+DEEP ORANGE (wheel slot 5) 140–153 DEEP ORANGE (wheel slot 6) 154–167 DEEP ORANGE+FOREST GREEN (wheel slot 6) 168–181 FOREST GREEN (wheel slot 7) 182–195 FOREST GREEN+CTO 3200K (wheel slot 7) 196–209 CTO 3200K (wheel slot 8) 210–223 CTO 3200K+DEEP BLUE (wheel slot 8) 224–237 DEEP BLUE (wheel slot 9) 238–255 DEEP BLUE+OPEN (wheel slot 9)
11	Gobo1Wheel Mode	0	0–15 Indexed 16–31 Backout 32–47 Forward Spin 48–63 Reverse Spin 64–79 Continuous 80–95 Shake 96–255 TBD
12	Gobo	0	0–31 Open (wheel slot 1) 32–63 Gobo 1 (wheel slot 2) 64–95 Gobo 2 (wheel slot 3) 96–127 Gobo 3 (wheel slot 4) 128–159 Gobo 4 (wheel slot 5) 160–191 Gobo 5 (wheel slot 6) 192–223 Gobo 6 (wheel slot 7) 224–255 Gobo 7 (wheel slot 8)

Standard (continued)

Ch	Function	Default	DMX values
13	Gobo1Pos Mode	0	0–15 Continuous 16–31 Forward Spin 32–47 Reverse Spin 48–63 Animate>>> 64–79 Animate>>>BO 80–95 Animate<<< 96–111 Animate<<<BO 112–255 TBD
14	Gobo Rotation	0	0–254 0-360 DEG 255–255 max
15	Prism	0	0–2 open (wheel slot 1) 3–3 16f prism (wheel slot 2) 4–127 From slow to fast 128–131 stop 132–255 From slow to fast
16	Focus	127	
17	Control1	0	0–7 NoFeature 8–15 RESET ALL 16–23 RESET PAN/TILT 24–31 RESET COLOR WHEEL 32–39 RESET ROTATING GOBO 40–47 Reserved 1 48–55 OTHER RESET 56–63 DISPLAY ON 64–71 DISPLAY OFF 72–87 Reserved 2 88–95 Hibernation 96–255 Reserved 3

Extended

18 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Pan Tilt Mode	0	0–15 Normal 16–31 Movement With Blackout 32–255 TBD
7	Strobe Mode Shutter	0	0–15 Normal Shutter Function 16–31 Pulse-effect Forward 32–47 Pulse-effect Reverse 48–63 Random Strobe 64–255 TBD
8	Strobe Mode Effect	255	0–31 closed 32–222 min 223–223 max 224–255 Open
9	Dimmer	0	0–254 Close 255–255 Open

Extended (continued)

Ch	Function	Default	DMX values
10	Color1Mode	0	0–15 Indexed 16–31 Indexed with Blackout 32–47 Forward Spin 48–63 Reverse Spin 64–79 Continuous 80–111 Color Bounce 112–255 TBD
11	Color Wheel	0	0–13 Open (wheel slot 1) 14–27 OPEN+DARK RED (wheel slot 1) 28–41 DARK RED (wheel slot 2) 42–55 DARK RED+YELLOW (wheel slot 2) 56–69 YELLOW (wheel slot 3) 70–83 YELLOW+MAGENTA (wheel slot 3) 84–97 MAGENTA (wheel slot 4) 98–111 MAGENTA+CYAN (wheel slot 4) 112–125 CYAN (wheel slot 5) 126–139 CYAN+DEEP ORANGE (wheel slot 5) 140–153 DEEP ORANGE (wheel slot 6) 154–167 DEEP ORANGE+FOREST GREEN (wheel slot 6) 168–181 FOREST GREEN (wheel slot 7) 182–195 FOREST GREEN+CTO 3200K (wheel slot 7) 196–209 CTO 3200K (wheel slot 8) 210–223 CTO 3200K+DEEP BLUE (wheel slot 8) 224–237 DEEP BLUE (wheel slot 9) 238–255 DEEP BLUE+OPEN (wheel slot 9)
12	Gobo1Wheel Mode	0	0–15 Indexed 16–31 Backout 32–47 Forward Spin 48–63 Reverse Spin 64–79 Continuous 80–95 Shake 96–255 TBD
13	Gobo	0	0–31 Open (wheel slot 1) 32–63 Gobo 1 (wheel slot 2) 64–95 Gobo 2 (wheel slot 3) 96–127 Gobo 3 (wheel slot 4) 128–159 Gobo 4 (wheel slot 5) 160–191 Gobo 5 (wheel slot 6) 192–223 Gobo 6 (wheel slot 7) 224–255 Gobo 7 (wheel slot 8)
14	Gobo1Pos Mode	0	0–15 Continuous 16–31 Forward Spin 32–47 Reverse Spin 48–63 Animate>>> 64–79 Animate>>>BO 80–95 Animate<< 96–111 Animate<<<BO 112–255 TBD
15	Gobo Rotation	0	0–254 0-360 DEG 255–255 max
16	Prism	0	0–2 open (wheel slot 1) 3–3 16f prism (wheel slot 2) 4–127 From slow to fast 128–131 stop 132–255 From slow to fast
17	Focus	127	

Extended (continued)

Ch	Function	Default	DMX values
18	Control1	0	0–7 NoFeature 8–15 RESET ALL 16–23 RESET PAN/TILT 24–31 RESET COLOR WHEEL 32–39 RESET ROTATING GOBO 40–47 Reserved 1 48–55 OTHER RESET 56–63 DISPLAY ON 64–71 DISPLAY OFF 72–87 Reserved 2 88–95 Hibernation 96–255 Reserved 3