Silver Star

NH1



Manufacturer	**Silver Star**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**21, 25, 28 channels**
Beam angle	**3-52°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**240 × 450 × 220 mm**
GDTF fixture type	**969AAC8E-847F-41B4-837C-C2…**

Controls

Focus · Frost · Prism · Zoom · Colour wheel · Strobe · Dimmer · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset

DMX modes

Basic	21 ch
Standard	25 ch
Extended	28 ch

Basic

21 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	
4	Cyan	0	
5	Magenta	0	
6	Yellow	0	
7	Color Macro1	0	0–10 No Function 11–20 L106 21–30 L194 31–40 L019 41–50 R08 51–60 L213 61–70 R80 71–80 L202 81–90 L328 91–100 R3318 101–110 L101 111–120 L768 121–128 No Function 129–255 CMY Macro
8	Color Macro1Rate	0	0–127 Fast 128–254 Med 255–255 Slow
9	Color Wheel	0	0–7 Open (wheel slot 1) 8–14 Red (wheel slot 2) 15–21 Dark Blue (wheel slot 3) 22–28 Yellow (wheel slot 4) 29–35 Magenta (wheel slot 5) 36–42 Green (wheel slot 6) 43–49 Orange (wheel slot 7) 50–56 CTO (wheel slot 8) 57–63 Blue (wheel slot 9) 64–191 Color1WheelIndex 192–201 CW Fast 202–211 CW Med 212–222 CW Slow 223–224 Stop 225–235 CCW Slow 236–245 CCW Med 246–255 CCW Fast

Basic (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–10 Open (wheel slot 1) 11–18 Gobo 1 (wheel slot 2) 19–26 Gobo 2 (wheel slot 3) 27–34 Gobo 3 (wheel slot 4) 35–42 Gobo 4 (wheel slot 5) 43–50 Gobo 5 (wheel slot 6) 51–58 Gobo 6 (wheel slot 7) 59–66 Gobo 7 (wheel slot 8) 67–74 Wheel Slot 1 (wheel slot 2) 75–82 Wheel Slot 2 (wheel slot 3) 83–90 Wheel Slot 3 (wheel slot 4) 91–98 Wheel Slot 4 (wheel slot 5) 99–106 Wheel Slot 5 (wheel slot 6) 107–114 Wheel Slot 6 (wheel slot 7) 115–127 Wheel Slot 7 (wheel slot 8) 128–148 CW Fast 149–169 CW Mid 170–190 CW Slow 191–192 Stop 193–213 CCW Slow 214–234 CCW Mid 235–255 CCW Fast
11	Gobo Rotation	0	0–23 0 Deg 24–47 90 Deg 48–71 180 Deg 72–95 270 Deg 96–120 360 Deg 121–125 Stop 126–138 Shake Slow 139–152 Shake Med 153–165 Shake Fast 166–170 Stop 171–183 CW Fast 184–197 CW Med 198–210 CW Slow 211–215 Stop 216–228 CCW Slow 229–241 CCW Med 242–255 CCW Fast

Basic (continued)

Ch	Function	Default	DMX values
12	Gobo 2	0	0–10 Open (wheel slot 1) 11–14 Wheel Slot 1 (wheel slot 2) 15–18 Wheel Slot 2 (wheel slot 3) 19–22 Wheel Slot 3 (wheel slot 4) 23–26 Wheel Slot 4 (wheel slot 5) 27–30 Wheel Slot 5 (wheel slot 6) 31–34 Wheel Slot 6 (wheel slot 7) 35–38 Wheel Slot 7 (wheel slot 8) 39–42 Wheel Slot 8 (wheel slot 9) 43–46 Wheel Slot 9 (wheel slot 10) 47–50 Wheel Slot 10 (wheel slot 11) 51–54 Wheel Slot 11 (wheel slot 12) 55–58 Wheel Slot 12 (wheel slot 13) 59–63 Wheel Slot 1 (wheel slot 2) 64–68 Wheel Slot 2 (wheel slot 3) 69–73 Wheel Slot 3 (wheel slot 4) 74–78 Wheel Slot 4 (wheel slot 5) 79–83 Wheel Slot 5 (wheel slot 6) 84–88 Wheel Slot 6 (wheel slot 7) 89–93 Wheel Slot 7 (wheel slot 8) 94–98 Wheel Slot 8 (wheel slot 9) 99–103 Wheel Slot 9 (wheel slot 10) 104–108 Wheel Slot 10 (wheel slot 11) 109–113 Wheel Slot 11 (wheel slot 12) 114–118 Wheel Slot 12 (wheel slot 13) 119–127 Open (wheel slot 1) 128–148 CW Fast 149–169 CW Med 170–190 CW Slow 191–192 Stop 193–213 CCW Slow 214–234 CCW Med 235–255 CCW Fast
13	Prism	0	0–10 Open (wheel slot 1) 11–37 0 (wheel slot 2) 38–64 90 (wheel slot 2) 65–91 180 (wheel slot 2) 92–118 270 (wheel slot 2) 119–145 360 (wheel slot 2) 146–150 Stop (wheel slot 2) 151–167 CW Fast (wheel slot 2) 168–184 CW Med (wheel slot 2) 185–200 CW Slow (wheel slot 2) 201–205 Stop (wheel slot 2) 206–222 CCW Slow (wheel slot 2) 223–239 CCW Med (wheel slot 2) 240–255 CCW Fast (wheel slot 2)
14	Prism	0	0–10 Open (wheel slot 1) 11–37 0 (wheel slot 2) 38–64 90 (wheel slot 2) 65–91 180 (wheel slot 2) 92–118 270 (wheel slot 2) 119–145 360 (wheel slot 2) 146–150 Stop (wheel slot 2) 151–167 CW Fast (wheel slot 2) 168–184 CW Med (wheel slot 2) 185–200 CW Slow (wheel slot 2) 201–205 Stop (wheel slot 2) 206–222 CCW Slow (wheel slot 2) 223–239 CCW Med (wheel slot 2) 240–255 CCW Fast (wheel slot 2)

Basic (continued)

Ch	Function	Default	DMX values
15	Frost1	0	0–63 Open 64–127 Frost 128–255 Insert
16	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
17	Focus	128	0–127 Near 128–254 Mid 255–255 Far
18	Focus1Distance	0	0–12 No Function 13–39 3m 40–66 5m 67–93 7m 94–120 9m 121–147 11m 148–174 13m 175–201 15m 202–228 17m 229–255 19m
19	Dimmer	0	0–254 Closed 255–255 Open
20	Shutter / Strobe	0	0–9 Open 10–39 StrobeModeShutter · Slow 1–8.82 Hz 40–69 StrobeModeShutter · Medium 9.09–16.9 Hz 70–99 StrobeModeShutter · Fast 17.2–25 Hz 100–109 Open 110–143 Shutter1StrobePulse · Slow 1–12.5 Hz 144–178 Shutter1StrobePulse · Med 12.8–24.7 Hz 179–179 Shutter1StrobePulse · Fast 25 Hz 180–189 Open 190–221 Shutter1StrobeRandom 6 · Slow 1–10.1 Hz 222–254 Shutter1StrobeRandom 6 · Med 10.4–19.7 Hz 255–255 Shutter1StrobeRandom 6 · Fast 20 Hz
21	Control1	0	0–10 No Function 11–20 Pan/Tilt Blackout On 21–30 Pan/Tilt Blackout Off 31–35 Pan Invert 36–40 Tilt Invert 41–45 Pan/Tilt Invert Off 46–50 Sun Protection On 51–60 Sun Protection Off 61–70 Studio 71–80 Power 81–90 Live 91–100 Dim Speed Halogen 101–110 Dim Speed LED 111–120 Linear Curve 121–130 Square Law 131–140 Inv Square Law 141–150 S-Curve 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 All Reset 211–220 XY Reset 221–230 Colour System Reset 231–240 Focus/Zoom Reset 241–255 Gobo Reset

Standard

25 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	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	Color Macro1	0	0–10 No Function 11–20 L106 21–30 L194 31–40 L019 41–50 R08 51–60 L213 61–70 R80 71–80 L202 81–90 L328 91–100 R3318 101–110 L101 111–120 L768 121–128 No Function 129–255 CMY Macro
10	Color Macro1Rate	0	0–127 Fast 128–254 Med 255–255 Slow
11	Color Wheel	0	0–7 Open (wheel slot 1) 8–14 Red (wheel slot 2) 15–21 Dark Blue (wheel slot 3) 22–28 Yellow (wheel slot 4) 29–35 Magenta (wheel slot 5) 36–42 Green (wheel slot 6) 43–49 Orange (wheel slot 7) 50–56 CTO (wheel slot 8) 57–63 Blue (wheel slot 9) 64–191 Color1WheelIndex 192–201 CW Fast 202–211 CW Med 212–222 CW Slow 223–224 Stop 225–235 CCW Slow 236–245 CCW Med 246–255 CCW Fast

Standard (continued)

Ch	Function	Default	DMX values
12	Gobo	0	0–10 Open (wheel slot 1) 11–18 Gobo 1 (wheel slot 2) 19–26 Gobo 2 (wheel slot 3) 27–34 Gobo 3 (wheel slot 4) 35–42 Gobo 4 (wheel slot 5) 43–50 Gobo 5 (wheel slot 6) 51–58 Gobo 6 (wheel slot 7) 59–66 Gobo 7 (wheel slot 8) 67–74 Wheel Slot 1 (wheel slot 2) 75–82 Wheel Slot 2 (wheel slot 3) 83–90 Wheel Slot 3 (wheel slot 4) 91–98 Wheel Slot 4 (wheel slot 5) 99–106 Wheel Slot 5 (wheel slot 6) 107–114 Wheel Slot 6 (wheel slot 7) 115–127 Wheel Slot 7 (wheel slot 8) 128–148 CW Fast 149–169 CW Mid 170–190 CW Slow 191–192 Stop 193–213 CCW Slow 214–234 CCW Mid 235–255 CCW Fast
13	Gobo Rotation	0	0–23 0 Deg 24–47 90 Deg 48–71 180 Deg 72–95 270 Deg 96–120 360 Deg 121–125 Stop 126–138 Shake Slow 139–152 Shake Med 153–165 Shake Fast 166–170 Stop 171–183 CW Fast 184–197 CW Med 198–210 CW Slow 211–215 Stop 216–228 CCW Slow 229–241 CCW Med 242–255 CCW Fast
14	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Standard (continued)

Ch	Function	Default	DMX values
15	Gobo 2	0	0–10 Open (wheel slot 1) 11–14 Wheel Slot 1 (wheel slot 2) 15–18 Wheel Slot 2 (wheel slot 3) 19–22 Wheel Slot 3 (wheel slot 4) 23–26 Wheel Slot 4 (wheel slot 5) 27–30 Wheel Slot 5 (wheel slot 6) 31–34 Wheel Slot 6 (wheel slot 7) 35–38 Wheel Slot 7 (wheel slot 8) 39–42 Wheel Slot 8 (wheel slot 9) 43–46 Wheel Slot 9 (wheel slot 10) 47–50 Wheel Slot 10 (wheel slot 11) 51–54 Wheel Slot 11 (wheel slot 12) 55–58 Wheel Slot 12 (wheel slot 13) 59–63 Wheel Slot 1 (wheel slot 2) 64–68 Wheel Slot 2 (wheel slot 3) 69–73 Wheel Slot 3 (wheel slot 4) 74–78 Wheel Slot 4 (wheel slot 5) 79–83 Wheel Slot 5 (wheel slot 6) 84–88 Wheel Slot 6 (wheel slot 7) 89–93 Wheel Slot 7 (wheel slot 8) 94–98 Wheel Slot 8 (wheel slot 9) 99–103 Wheel Slot 9 (wheel slot 10) 104–108 Wheel Slot 10 (wheel slot 11) 109–113 Wheel Slot 11 (wheel slot 12) 114–118 Wheel Slot 12 (wheel slot 13) 119–127 Open (wheel slot 1) 128–148 CW Fast 149–169 CW Med 170–190 CW Slow 191–192 Stop 193–213 CCW Slow 214–234 CCW Med 235–255 CCW Fast
16	Prism	0	0–10 Open (wheel slot 1) 11–37 0 (wheel slot 2) 38–64 90 (wheel slot 2) 65–91 180 (wheel slot 2) 92–118 270 (wheel slot 2) 119–145 360 (wheel slot 2) 146–150 Stop (wheel slot 2) 151–167 CW Fast (wheel slot 2) 168–184 CW Med (wheel slot 2) 185–200 CW Slow (wheel slot 2) 201–205 Stop (wheel slot 2) 206–222 CCW Slow (wheel slot 2) 223–239 CCW Med (wheel slot 2) 240–255 CCW Fast (wheel slot 2)
17	Prism	0	0–10 Open (wheel slot 1) 11–37 0 (wheel slot 2) 38–64 90 (wheel slot 2) 65–91 180 (wheel slot 2) 92–118 270 (wheel slot 2) 119–145 360 (wheel slot 2) 146–150 Stop (wheel slot 2) 151–167 CW Fast (wheel slot 2) 168–184 CW Med (wheel slot 2) 185–200 CW Slow (wheel slot 2) 201–205 Stop (wheel slot 2) 206–222 CCW Slow (wheel slot 2) 223–239 CCW Med (wheel slot 2) 240–255 CCW Fast (wheel slot 2)

Standard (continued)

Ch	Function	Default	DMX values
18	Frost1	0	0–63 Open 64–127 Frost 128–255 Insert
19	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
20	Focus	128	0–127 Near 128–254 Mid 255–255 Far
21	Focus1Distance	0	0–12 No Function 13–39 3m 40–66 5m 67–93 7m 94–120 9m 121–147 11m 148–174 13m 175–201 15m 202–228 17m 229–255 19m
22	Dimmer	0	0–254 Closed 255–255 Open
23	Dimmer Fine	0	Fine byte of Dimmer
24	Shutter / Strobe	0	0–9 Open 10–39 StrobeModeShutter · Slow 1–8.82 Hz 40–69 StrobeModeShutter · Medium 9.09–16.9 Hz 70–99 StrobeModeShutter · Fast 17.2–25 Hz 100–109 Open 110–143 Shutter1StrobePulse · Slow 1–12.5 Hz 144–178 Shutter1StrobePulse · Med 12.8–24.7 Hz 179–179 Shutter1StrobePulse · Fast 25 Hz 180–189 Open 190–221 Shutter1StrobeRandom 6 · Slow 1–10.1 Hz 222–254 Shutter1StrobeRandom 6 · Med 10.4–19.7 Hz 255–255 Shutter1StrobeRandom 6 · Fast 20 Hz

Standard (continued)

Ch	Function	Default	DMX values
25	Control1	0	0–10 No Function 11–20 Pan/Tilt Blackout On 21–30 Pan/Tilt Blackout Off 31–35 Pan Invert 36–40 Tilt Invert 41–45 Pan/Tilt Invert Off 46–50 Sun Protection On 51–60 Sun Protection Off 61–70 Studio 71–80 Power 81–90 Live 91–100 Dim Speed Halogen 101–110 Dim Speed LED 111–120 Linear Curve 121–130 Square Law 131–140 Inv Square Law 141–150 S-Curve 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 All Reset 211–220 XY Reset 221–230 Colour System Reset 231–240 Focus/Zoom Reset 241–255 Gobo Reset

Extended

28 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	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	Color Macro1	0	0–10 No Function 11–20 L106 21–30 L194 31–40 L019 41–50 R08 51–60 L213 61–70 R80 71–80 L202 81–90 L328 91–100 R3318 101–110 L101 111–120 L768 121–128 No Function 129–255 CMY Macro
10	Color Macro1Rate	0	0–127 Fast 128–254 Med 255–255 Slow

Extended (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–7 Open (wheel slot 1) 8–14 Red (wheel slot 2) 15–21 Dark Blue (wheel slot 3) 22–28 Yellow (wheel slot 4) 29–35 Magenta (wheel slot 5) 36–42 Green (wheel slot 6) 43–49 Orange (wheel slot 7) 50–56 CTO (wheel slot 8) 57–63 Blue (wheel slot 9) 64–191 Color1WheelIndex 192–201 CW Fast 202–211 CW Med 212–222 CW Slow 223–224 Stop 225–235 CCW Slow 236–245 CCW Med 246–255 CCW Fast
12	Color Wheel Fine	0	Fine byte of Color Wheel
13	Gobo	0	0–10 Open (wheel slot 1) 11–18 Gobo 1 (wheel slot 2) 19–26 Gobo 2 (wheel slot 3) 27–34 Gobo 3 (wheel slot 4) 35–42 Gobo 4 (wheel slot 5) 43–50 Gobo 5 (wheel slot 6) 51–58 Gobo 6 (wheel slot 7) 59–66 Gobo 7 (wheel slot 8) 67–74 Wheel Slot 1 (wheel slot 2) 75–82 Wheel Slot 2 (wheel slot 3) 83–90 Wheel Slot 3 (wheel slot 4) 91–98 Wheel Slot 4 (wheel slot 5) 99–106 Wheel Slot 5 (wheel slot 6) 107–114 Wheel Slot 6 (wheel slot 7) 115–127 Wheel Slot 7 (wheel slot 8) 128–148 CW Fast 149–169 CW Mid 170–190 CW Slow 191–192 Stop 193–213 CCW Slow 214–234 CCW Mid 235–255 CCW Fast
14	Gobo Rotation	0	0–23 0 Deg 24–47 90 Deg 48–71 180 Deg 72–95 270 Deg 96–120 360 Deg 121–125 Stop 126–138 Shake Slow 139–152 Shake Med 153–165 Shake Fast 166–170 Stop 171–183 CW Fast 184–197 CW Med 198–210 CW Slow 211–215 Stop 216–228 CCW Slow 229–241 CCW Med 242–255 CCW Fast
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended (continued)

Ch	Function	Default	DMX values
16	Gobo 2	0	0–10 Open (wheel slot 1) 11–14 Wheel Slot 1 (wheel slot 2) 15–18 Wheel Slot 2 (wheel slot 3) 19–22 Wheel Slot 3 (wheel slot 4) 23–26 Wheel Slot 4 (wheel slot 5) 27–30 Wheel Slot 5 (wheel slot 6) 31–34 Wheel Slot 6 (wheel slot 7) 35–38 Wheel Slot 7 (wheel slot 8) 39–42 Wheel Slot 8 (wheel slot 9) 43–46 Wheel Slot 9 (wheel slot 10) 47–50 Wheel Slot 10 (wheel slot 11) 51–54 Wheel Slot 11 (wheel slot 12) 55–58 Wheel Slot 12 (wheel slot 13) 59–63 Wheel Slot 1 (wheel slot 2) 64–68 Wheel Slot 2 (wheel slot 3) 69–73 Wheel Slot 3 (wheel slot 4) 74–78 Wheel Slot 4 (wheel slot 5) 79–83 Wheel Slot 5 (wheel slot 6) 84–88 Wheel Slot 6 (wheel slot 7) 89–93 Wheel Slot 7 (wheel slot 8) 94–98 Wheel Slot 8 (wheel slot 9) 99–103 Wheel Slot 9 (wheel slot 10) 104–108 Wheel Slot 10 (wheel slot 11) 109–113 Wheel Slot 11 (wheel slot 12) 114–118 Wheel Slot 12 (wheel slot 13) 119–127 Open (wheel slot 1) 128–148 CW Fast 149–169 CW Med 170–190 CW Slow 191–192 Stop 193–213 CCW Slow 214–234 CCW Med 235–255 CCW Fast
17	Prism	0	0–10 Open (wheel slot 1) 11–37 0 (wheel slot 2) 38–64 90 (wheel slot 2) 65–91 180 (wheel slot 2) 92–118 270 (wheel slot 2) 119–145 360 (wheel slot 2) 146–150 Stop (wheel slot 2) 151–167 CW Fast (wheel slot 2) 168–184 CW Med (wheel slot 2) 185–200 CW Slow (wheel slot 2) 201–205 Stop (wheel slot 2) 206–222 CCW Slow (wheel slot 2) 223–239 CCW Med (wheel slot 2) 240–255 CCW Fast (wheel slot 2)
18	Prism	0	0–10 Open (wheel slot 1) 11–37 0 (wheel slot 2) 38–64 90 (wheel slot 2) 65–91 180 (wheel slot 2) 92–118 270 (wheel slot 2) 119–145 360 (wheel slot 2) 146–150 Stop (wheel slot 2) 151–167 CW Fast (wheel slot 2) 168–184 CW Med (wheel slot 2) 185–200 CW Slow (wheel slot 2) 201–205 Stop (wheel slot 2) 206–222 CCW Slow (wheel slot 2) 223–239 CCW Med (wheel slot 2) 240–255 CCW Fast (wheel slot 2)

Extended (continued)

Ch	Function	Default	DMX values
19	Frost1	0	0–63 Open 64–127 Frost 128–255 Insert
20	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
21	Zoom Fine	128	Fine byte of Zoom
22	Focus	128	0–127 Near 128–254 Mid 255–255 Far
23	Focus Fine	128	Fine byte of Focus
24	Focus1Distance	0	0–12 No Function 13–39 3m 40–66 5m 67–93 7m 94–120 9m 121–147 11m 148–174 13m 175–201 15m 202–228 17m 229–255 19m
25	Dimmer	0	0–254 Closed 255–255 Open
26	Dimmer Fine	0	Fine byte of Dimmer
27	Shutter / Strobe	0	0–9 Open 10–39 StrobeModeShutter · Slow 1–8.82 Hz 40–69 StrobeModeShutter · Medium 9.09–16.9 Hz 70–99 StrobeModeShutter · Fast 17.2–25 Hz 100–109 Open 110–143 Shutter1StrobePulse · Slow 1–12.5 Hz 144–178 Shutter1StrobePulse · Med 12.8–24.7 Hz 179–179 Shutter1StrobePulse · Fast 25 Hz 180–189 Open 190–221 Shutter1StrobeRandom 6 · Slow 1–10.1 Hz 222–254 Shutter1StrobeRandom 6 · Med 10.4–19.7 Hz 255–255 Shutter1StrobeRandom 6 · Fast 20 Hz

Extended (continued)

Ch	Function	Default	DMX values
28	Control1	0	0–10 No Function 11–20 Pan/Tilt Blackout On 21–30 Pan/Tilt Blackout Off 31–35 Pan Invert 36–40 Tilt Invert 41–45 Pan/Tilt Invert Off 46–50 Sun Protection On 51–60 Sun Protection Off 61–70 Studio 71–80 Power 81–90 Live 91–100 Dim Speed Halogen 101–110 Dim Speed LED 111–120 Linear Curve 121–130 Square Law 131–140 Inv Square Law 141–150 S-Curve 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 All Reset 211–220 XY Reset 221–230 Colour System Reset 231–240 Focus/Zoom Reset 241–255 Gobo Reset