Silver Star

Pluto Beam



Manufacturer	**Silver Star**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**13, 15, 16, 18 channels**
Beam angle	**25°**
Pan range	**540°**
Tilt range	**220°**
Size (W × H × D)	**240 × 338 × 220 mm**
GDTF fixture type	**9073A158-AC51-47AC-A5B2-61…**

Controls

Focus · Prism · Prism rotation · Colour wheel · Strobe · Dimmer · Movement speed · Animation wheel · Gobos

Safety-relevant functions

Fixture reset

DMX modes

Basic	13 ch
Standard	15 ch
SY	16 ch
Extended	18 ch

Basic

13 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	
4	Color Wheel	0	0–7 Open (wheel slot 1) 8–13 Red (wheel slot 2) 14–19 Blue (wheel slot 3) 20–25 Green (wheel slot 4) 26–31 Pink (wheel slot 5) 32–37 Mid Blue (wheel slot 6) 38–43 Orange (wheel slot 7) 44–49 Purple (wheel slot 8) 50–55 Yellow (wheel slot 9) 56–63 CTO 3200K (wheel slot 10) 64–191 0-360 192–222 CW Spin 223–224 Static 225–255 CCW Spin
5	Gobo	0	0–10 Open (wheel slot 1) 11–17 Gobo 1 (wheel slot 2) 18–24 Gobo 2 (wheel slot 3) 25–31 Gobo 3 (wheel slot 4) 32–38 Gobo 4 (wheel slot 5) 39–45 Gobo 5 (wheel slot 6) 46–52 Gobo 6 (wheel slot 7) 53–59 Gobo 7 (wheel slot 8) 60–66 Gobo 8 (wheel slot 9) 67–73 Gobo 9 (wheel slot 10) 74–80 Gobo 10 (wheel slot 11) 81–87 Gobo 11 (wheel slot 12) 88–94 Gobo 12 (wheel slot 13) 95–102 Gobo 13 (wheel slot 14) 103–110 Gobo 14 (wheel slot 15) 111–118 Gobo 1 (wheel slot 2) 119–126 Gobo 2 (wheel slot 3) 127–134 Gobo 3 (wheel slot 4) 135–142 Gobo 4 (wheel slot 5) 143–150 Gobo 5 (wheel slot 6) 151–158 Gobo 6 (wheel slot 7) 159–166 Gobo 7 (wheel slot 8) 167–174 Gobo 8 (wheel slot 9) 175–182 Gobo 9 (wheel slot 10) 183–190 Gobo 10 (wheel slot 11) 191–198 Gobo 11 (wheel slot 12) 199–206 Gobo 12 (wheel slot 13) 207–214 Gobo 13 (wheel slot 14) 215–222 Gobo 14 (wheel slot 15) 223–230 Open 231–238 CW 239–246 Static 247–255 CCW
6	Animation Wheel1	0	
7	Animation Wheel1Pos	0	0–10 Static 11–127 CW 128–138 Static 139–255 CCW

Basic (continued)

Ch	Function	Default	DMX values
8	Prism	0	0–10 Open 11–145 0-360 degrees 146–150 Static 151–200 Prism CW 201–205 Static 206–255 Prism CCW
9	Prism	0	0–10 Open 11–145 0-360 degrees 146–150 Static 151–200 Prism CW 201–205 Static 206–255 Prism CCW
10	Focus	128	0–127 Near 128–254 Mid 255–255 Far
11	Dimmer	0	0–254 Closed 255–255 Open
12	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Shutter1StrobePulse · Lightning 1–15 Hz 180–189 Open 190–255 Random
13	Control1	0	0–10 No Function 11–20 P/T Blackout On 21–30 P/T Blackout Off 31–40 Pan Invert 41–50 Tilt Invert 51–60 P/T Invert Off 61–70 Studio 71–80 Power 81–90 Live 91–100 Dim 1 101–110 Dim 2 111–120 Dim 3 121–130 Dim 4 131–140 Dim 5 141–150 1200Hz 151–160 2000Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 Reset All 211–220 P/T Reset 221–230 Color/Gobo Reset 231–240 Focus Reset 241–255 Prism Reset

Standard

15 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	

Standard (continued)

Ch	Function	Default	DMX values
6	Color Wheel	0	0–7 Open (wheel slot 1) 8–13 Red (wheel slot 2) 14–19 Blue (wheel slot 3) 20–25 Green (wheel slot 4) 26–31 Pink (wheel slot 5) 32–37 Mid Blue (wheel slot 6) 38–43 Orange (wheel slot 7) 44–49 Purple (wheel slot 8) 50–55 Yellow (wheel slot 9) 56–63 CTO 3200K (wheel slot 10) 64–191 0-360 192–222 CW Spin 223–224 Static 225–255 CCW Spin
7	Gobo	0	0–10 Open (wheel slot 1) 11–17 Gobo 1 (wheel slot 2) 18–24 Gobo 2 (wheel slot 3) 25–31 Gobo 3 (wheel slot 4) 32–38 Gobo 4 (wheel slot 5) 39–45 Gobo 5 (wheel slot 6) 46–52 Gobo 6 (wheel slot 7) 53–59 Gobo 7 (wheel slot 8) 60–66 Gobo 8 (wheel slot 9) 67–73 Gobo 9 (wheel slot 10) 74–80 Gobo 10 (wheel slot 11) 81–87 Gobo 11 (wheel slot 12) 88–94 Gobo 12 (wheel slot 13) 95–102 Gobo 13 (wheel slot 14) 103–110 Gobo 14 (wheel slot 15) 111–118 Gobo 1 (wheel slot 2) 119–126 Gobo 2 (wheel slot 3) 127–134 Gobo 3 (wheel slot 4) 135–142 Gobo 4 (wheel slot 5) 143–150 Gobo 5 (wheel slot 6) 151–158 Gobo 6 (wheel slot 7) 159–166 Gobo 7 (wheel slot 8) 167–174 Gobo 8 (wheel slot 9) 175–182 Gobo 9 (wheel slot 10) 183–190 Gobo 10 (wheel slot 11) 191–198 Gobo 11 (wheel slot 12) 199–206 Gobo 12 (wheel slot 13) 207–214 Gobo 13 (wheel slot 14) 215–222 Gobo 14 (wheel slot 15) 223–230 Open 231–238 CW 239–246 Static 247–255 CCW
8	Animation Wheel1	0	
9	Animation Wheel1Pos	0	0–10 Static 11–127 CW 128–138 Static 139–255 CCW
10	Prism	0	0–10 Open 11–145 0-360 degrees 146–150 Static 151–200 Prism CW 201–205 Static 206–255 Prism CCW

Standard (continued)

Ch	Function	Default	DMX values
11	Prism	0	0–10 Open 11–145 0-360 degrees 146–150 Static 151–200 Prism CW 201–205 Static 206–255 Prism CCW
12	Focus	128	0–127 Near 128–254 Mid 255–255 Far
13	Dimmer	0	0–254 Closed 255–255 Open
14	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Shutter1StrobePulse · Lightning 1–15 Hz 180–189 Open 190–255 Random
15	Control1	0	0–10 No Function 11–20 P/T Blackout On 21–30 P/T Blackout Off 31–40 Pan Invert 41–50 Tilt Invert 51–60 P/T Invert Off 61–70 Studio 71–80 Power 81–90 Live 91–100 Dim 1 101–110 Dim 2 111–120 Dim 3 121–130 Dim 4 131–140 Dim 5 141–150 1200Hz 151–160 2000Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 Reset All 211–220 P/T Reset 221–230 Color/Gobo Reset 231–240 Focus Reset 241–255 Prism Reset

SY

16 channels

Ch	Function	Default	DMX values
1	Color Wheel	0	0–7 Open (wheel slot 1) 8–13 Red (wheel slot 2) 14–19 Blue (wheel slot 3) 20–25 Green (wheel slot 4) 26–31 Pink (wheel slot 5) 32–37 Mid Blue (wheel slot 6) 38–43 Orange (wheel slot 7) 44–49 Purple (wheel slot 8) 50–55 Yellow (wheel slot 9) 56–63 CTO 3200K (wheel slot 10) 64–191 0-360 192–222 CW Spin 223–224 Static 225–255 CCW Spin

SY (continued)

Ch	Function	Default	DMX values
2	Shutter / Strobe	255	0–3 Off 4–103 Strobe 104–107 Open 108–207 Shutter1StrobePulse · Lightning 1–15 Hz 208–212 Open 213–250 Random 251–255 Shutter4
3	Dimmer	0	0–254 Closed 255–255 Open
4	Gobo	0	0–3 Open (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 8 (wheel slot 9) 36–39 Gobo 9 (wheel slot 10) 40–43 Gobo 10 (wheel slot 11) 44–47 Gobo 11 (wheel slot 12) 48–51 Gobo 12 (wheel slot 13) 52–55 Gobo 13 (wheel slot 14) 56–59 Gobo 14 (wheel slot 15) 60–72 Open (wheel slot 1) 73–113 CW 114–117 Static 118–159 CCW 160–166 Gobo 2 (wheel slot 3) 167–172 Gobo 3 (wheel slot 4) 173–179 Gobo 4 (wheel slot 5) 180–185 Gobo 5 (wheel slot 6) 186–191 Gobo 6 (wheel slot 7) 192–198 Gobo 7 (wheel slot 8) 199–204 Gobo 8 (wheel slot 9) 205–211 Gobo 9 (wheel slot 10) 212–217 Gobo 10 (wheel slot 11) 218–223 Gobo 11 (wheel slot 12) 224–230 Gobo 12 (wheel slot 13) 231–236 Gobo 13 (wheel slot 14) 237–243 Gobo 14 (wheel slot 15) 244–255 Open (wheel slot 1)
5	Prism	0	0–127 Open 128–255 16 facet Circular Prism
6	Prism Rotation	0	0–127 0-360 degrees 128–190 Prism CW 191–192 Static 193–255 Prism CCW
7	Animation Wheel1	0	0–10 Open 11–145 0-360 degrees 146–150 Static 151–200 CW 201–205 Static 206–255 CCW
8	Prism	0	0–10 Open 11–127 0-360 degrees 128–191 Prism CW 192–192 Static 193–255 Prism CCW

SY (continued)

Ch	Function	Default	DMX values
9	Focus	128	0–127 Near 128–254 Mid 255–255 Far
10	Pan	128	
11	Pan Fine	128	Fine byte of Pan
12	Tilt	128	
13	Tilt Fine	128	Fine byte of Tilt
14	Control1	0	0–10 No Function 11–20 P/T Blackout On 21–30 P/T Blackout Off 31–40 Pan Invert 41–50 Tilt Invert 51–60 P/T Invert Off 61–70 Studio 71–80 Power 81–90 Live 91–100 Dim 1 101–110 Dim 2 111–120 Dim 3 121–130 Dim 4 131–140 Dim 5 141–150 1200Hz 151–160 2000Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–255 No Funciton
15	Fixture Global Reset	0	0–25 No Function 26–76 Effects Reset 77–127 P/T Reset 128–255 Reset All
16	Lamp Power Mode	0	0–25 No Function 26–100 LED Off 101–255 LED On

Extended

18 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	

Extended (continued)

Ch	Function	Default	DMX values
6	Color Wheel	0	0–7 Open (wheel slot 1) 8–13 Red (wheel slot 2) 14–19 Blue (wheel slot 3) 20–25 Green (wheel slot 4) 26–31 Pink (wheel slot 5) 32–37 Mid Blue (wheel slot 6) 38–43 Orange (wheel slot 7) 44–49 Purple (wheel slot 8) 50–55 Yellow (wheel slot 9) 56–63 CTO 3200K (wheel slot 10) 64–191 0-360 192–222 CW Spin 223–224 Static 225–255 CCW Spin
7	Color Wheel Fine	0	Fine byte of Color Wheel
8	Gobo	0	0–10 Open (wheel slot 1) 11–17 Gobo 1 (wheel slot 2) 18–24 Gobo 2 (wheel slot 3) 25–31 Gobo 3 (wheel slot 4) 32–38 Gobo 4 (wheel slot 5) 39–45 Gobo 5 (wheel slot 6) 46–52 Gobo 6 (wheel slot 7) 53–59 Gobo 7 (wheel slot 8) 60–66 Gobo 8 (wheel slot 9) 67–73 Gobo 9 (wheel slot 10) 74–80 Gobo 10 (wheel slot 11) 81–87 Gobo 11 (wheel slot 12) 88–94 Gobo 12 (wheel slot 13) 95–102 Gobo 13 (wheel slot 14) 103–110 Gobo 14 (wheel slot 15) 111–118 Gobo 1 (wheel slot 2) 119–126 Gobo 2 (wheel slot 3) 127–134 Gobo 3 (wheel slot 4) 135–142 Gobo 4 (wheel slot 5) 143–150 Gobo 5 (wheel slot 6) 151–158 Gobo 6 (wheel slot 7) 159–166 Gobo 7 (wheel slot 8) 167–174 Gobo 8 (wheel slot 9) 175–182 Gobo 9 (wheel slot 10) 183–190 Gobo 10 (wheel slot 11) 191–198 Gobo 11 (wheel slot 12) 199–206 Gobo 12 (wheel slot 13) 207–214 Gobo 13 (wheel slot 14) 215–222 Gobo 14 (wheel slot 15) 223–230 Open 231–238 CW 239–246 Static 247–255 CCW
9	Animation Wheel1	0	
10	Animation Wheel1Pos	0	0–10 Static 11–127 CW 128–138 Static 139–255 CCW
11	Prism	0	0–10 Open 11–145 0-360 degrees 146–150 Static 151–200 Prism CW 201–205 Static 206–255 Prism CCW

Extended (continued)

Ch	Function	Default	DMX values
12	Prism	0	0–10 Open 11–145 0-360 degrees 146–150 Static 151–200 Prism CW 201–205 Static 206–255 Prism CCW
13	Focus	128	0–127 Near 128–254 Mid 255–255 Far
14	Focus Fine	128	Fine byte of Focus
15	Dimmer	0	0–254 Closed 255–255 Open
16	Dimmer Fine	0	Fine byte of Dimmer
17	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Shutter1StrobePulse · Lightning 1–15 Hz 180–189 Open 190–255 Random
18	Control1	0	0–10 No Function 11–20 P/T Blackout On 21–30 P/T Blackout Off 31–40 Pan Invert 41–50 Tilt Invert 51–60 P/T Invert Off 61–70 Studio 71–80 Power 81–90 Live 91–100 Dim 1 101–110 Dim 2 111–120 Dim 3 121–130 Dim 4 131–140 Dim 5 141–150 1200Hz 151–160 2000Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 Reset All 211–220 P/T Reset 221–230 Color/Gobo Reset 231–240 Focus Reset 241–255 Prism Reset