Silver Star

Pluto 250 Hybrid



Manufacturer	**Silver Star**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**16, 19 channels**
Beam angle	**10-35°**
Pan range	**540°**
Tilt range	**220°**
Size (W × H × D)	**240 × 400 × 220 mm**
GDTF fixture type	**3B9B3415-4671-4E1A-8F30-D3…**

Controls

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

Safety-relevant functions

Fixture reset

DMX modes

Basic	16 ch
Standard	19 ch

Basic

16 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	
4	Color Wheel	0	0–7 White (wheel slot 1) 8–15 Red (wheel slot 2) 16–23 Blue (wheel slot 3) 24–31 Green (wheel slot 4) 32–39 Pink (wheel slot 5) 40–47 Light Blue (wheel slot 6) 48–55 Orange (wheel slot 7) 56–63 Purple (wheel slot 8) 64–191 0-360 Indexing 192–222 CW Spin 223–224 Stop 225–255 CCW Spin
5	Color Wheel Fine	0	Fine byte of Color Wheel
6	Gobo	0	0–10 Open (wheel slot 1) 11–15 Gobo 1 (wheel slot 2) 16–20 Gobo 2 (wheel slot 3) 21–25 Gobo 3 (wheel slot 4) 26–30 Gobo 4 (wheel slot 5) 31–35 Gobo 5 (wheel slot 6) 36–40 Gobo 6 (wheel slot 7) 41–45 Gobo 7 (wheel slot 8) 46–50 Gobo 8 (wheel slot 9) 51–55 Gobo 9 (wheel slot 10) 56–60 Gobo 10 (wheel slot 11) 61–65 Gobo 11 (wheel slot 12) 66–70 Open (wheel slot 1) 71–75 Gobo 1 (wheel slot 2) 76–80 Gobo 2 (wheel slot 3) 81–85 Gobo 3 (wheel slot 4) 86–90 Gobo 4 (wheel slot 5) 91–95 Gobo 5 (wheel slot 6) 96–100 Gobo 6 (wheel slot 7) 101–105 Gobo 7 (wheel slot 8) 106–110 Gobo 8 (wheel slot 9) 111–115 Gobo 9 (wheel slot 10) 116–120 Gobo 10 (wheel slot 11) 121–125 Gobo 11 (wheel slot 12) 126–135 Open (wheel slot 1) 136–194 CW Spin 195–196 Stop 197–255 CCW Spin

Basic (continued)

Ch	Function	Default	DMX values
7	Gobo 2	0	0–10 Open (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) 59–66 Gobo 1 (wheel slot 2) 67–74 Gobo 2 (wheel slot 3) 75–82 Gobo 3 (wheel slot 4) 83–90 Gobo 4 (wheel slot 5) 91–98 Gobo 5 (wheel slot 6) 99–106 Gobo 6 (wheel slot 7) 107–114 Gobo 7 (wheel slot 8) 115–122 Gobo 8 (wheel slot 9) 123–127 Open (wheel slot 1) 128–190 CW Spin 191–192 Stop 193–255 CCW Spin
8	Gobo Rotation 2	0	0–125 0-360 126–165 Shake 166–170 Stop 171–210 CW 211–215 Stop 216–255 CCW
9	Prism	0	0–10 Open 11–11 Prism In 12–150 0-360 151–200 CW Prism 201–205 Stop 206–255 CCW Prism
10	Iris	0	0–129 Open 130–130 Closed 131–171 Iris Pulse 172–211 Pulse Closed 212–251 Pulse Open 252–255 Closed
11	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
12	Focus1Distance	0	0–12 No Function 13–39 5m 40–66 7m 67–93 9m 94–120 11m 121–147 13m 148–174 15m 175–201 17m 202–228 19m 229–255 21m
13	Focus	0	0–127 Near 128–254 <id 255–255 Far
14	Dimmer	0	0–254 Closed 255–255 Open

Basic (continued)

Ch	Function	Default	DMX values
15	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Shutter1StrobePulse 4 · Lightning 1–15 Hz 180–189 Open 190–255 Random
16	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 Fan Slow 71–80 Fan Normal 81–90 Fan Fast 91–100 Fan Auto 101–110 Dim 4 111–120 Dim 3 121–130 Dim 2 131–140 Dim 1 141–150 Dim Off 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 All Reset 211–220 P/T Reset 221–230 Colour System Reset 231–240 Gobo Reset 241–250 Optics Reset 251–255 No function

Standard

19 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	Color Wheel	0	0–7 White (wheel slot 1) 8–15 Red (wheel slot 2) 16–23 Blue (wheel slot 3) 24–31 Green (wheel slot 4) 32–39 Pink (wheel slot 5) 40–47 Light Blue (wheel slot 6) 48–55 Orange (wheel slot 7) 56–63 Purple (wheel slot 8) 64–191 0-360 Indexing 192–222 CW Spin 223–224 Stop 225–255 CCW Spin
7	Color Wheel Fine	0	Fine byte of Color Wheel

Standard (continued)

Ch	Function	Default	DMX values
8	Gobo	0	0–10 Open (wheel slot 1) 11–15 Gobo 1 (wheel slot 2) 16–20 Gobo 2 (wheel slot 3) 21–25 Gobo 3 (wheel slot 4) 26–30 Gobo 4 (wheel slot 5) 31–35 Gobo 5 (wheel slot 6) 36–40 Gobo 6 (wheel slot 7) 41–45 Gobo 7 (wheel slot 8) 46–50 Gobo 8 (wheel slot 9) 51–55 Gobo 9 (wheel slot 10) 56–60 Gobo 10 (wheel slot 11) 61–65 Gobo 11 (wheel slot 12) 66–70 Open (wheel slot 1) 71–75 Gobo 1 (wheel slot 2) 76–80 Gobo 2 (wheel slot 3) 81–85 Gobo 3 (wheel slot 4) 86–90 Gobo 4 (wheel slot 5) 91–95 Gobo 5 (wheel slot 6) 96–100 Gobo 6 (wheel slot 7) 101–105 Gobo 7 (wheel slot 8) 106–110 Gobo 8 (wheel slot 9) 111–115 Gobo 9 (wheel slot 10) 116–120 Gobo 10 (wheel slot 11) 121–125 Gobo 11 (wheel slot 12) 126–135 Open (wheel slot 1) 136–194 CW Spin 195–196 Stop 197–255 CCW Spin
9	Gobo 2	0	0–10 Open (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) 59–66 Gobo 1 (wheel slot 2) 67–74 Gobo 2 (wheel slot 3) 75–82 Gobo 3 (wheel slot 4) 83–90 Gobo 4 (wheel slot 5) 91–98 Gobo 5 (wheel slot 6) 99–106 Gobo 6 (wheel slot 7) 107–114 Gobo 7 (wheel slot 8) 115–122 Gobo 8 (wheel slot 9) 123–127 Open (wheel slot 1) 128–190 CW Spin 191–192 Stop 193–255 CCW Spin
10	Gobo Rotation 2	0	0–125 0-360 126–165 Shake 166–170 Stop 171–210 CW 211–215 Stop 216–255 CCW
11	Prism	0	0–10 Open 11–11 Prism In 12–150 0-360 151–200 CW Prism 201–205 Stop 206–255 CCW Prism

Standard (continued)

Ch	Function	Default	DMX values
12	Iris	0	0–129 Open 130–130 Closed 131–171 Iris Pulse 172–211 Pulse Closed 212–251 Pulse Open 252–255 Closed
13	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
14	Focus1Distance	0	0–12 No Function 13–39 5m 40–66 7m 67–93 9m 94–120 11m 121–147 13m 148–174 15m 175–201 17m 202–228 19m 229–255 21m
15	Focus	0	0–127 Near 128–254 <id 255–255 Far
16	Dimmer	0	0–254 Closed 255–255 Open
17	Dimmer Fine	0	Fine byte of Dimmer
18	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Shutter1StrobePulse 4 · Lightning 1–15 Hz 180–189 Open 190–255 Random
19	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 Fan Slow 71–80 Fan Normal 81–90 Fan Fast 91–100 Fan Auto 101–110 Dim 4 111–120 Dim 3 121–130 Dim 2 131–140 Dim 1 141–150 Dim Off 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 All Reset 211–220 P/T Reset 221–230 Colour System Reset 231–240 Gobo Reset 241–250 Optics Reset 251–255 No function