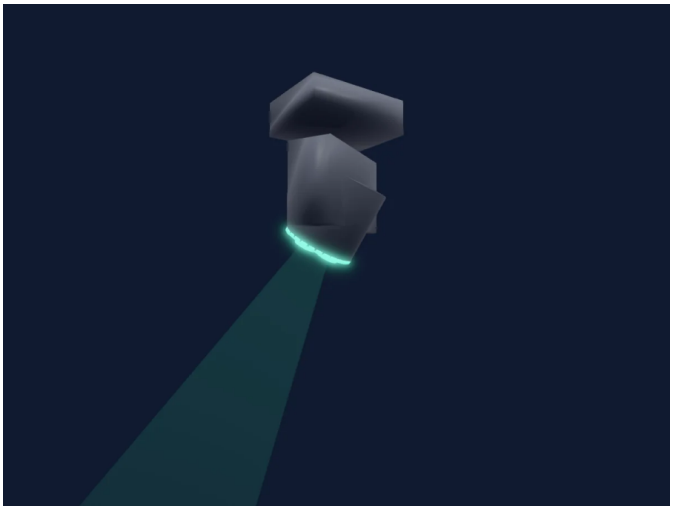
Silver Star

Neptune 300 Wash



Manufacturer	**Silver Star**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**18, 20, 21, 24, 27 channels**
Beam angle	**6-45°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**3**
Size (W × H × D)	**200 × 200 × 200 mm**
GDTF fixture type	**098C285D-85FD-4ED9-831F-7B…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Movement speed

Safety-relevant functions

Fixture reset

DMX modes

SSP	18 ch
HSIC	20 ch
Tour	20 ch
CMY	21 ch
Pixel	24 ch
TR16	27 ch

SSP

18 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	0–254 Fast 255–255 Slow
4	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
5	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
6	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
7	Color Add GY	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
8	Dimmer	0	0–254 Closed 255–255 Open
9	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 Strobe
10	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
11	Red	0	
12	Green	0	
13	Blue	0	

SSP (continued)

Ch	Function	Default	DMX values
14	Color Macro1	0	0–9 Open 10–14 Red 15–19 Green 20–24 Blue 25–29 Yellow 30–34 Magenta 35–39 Cyan 40–44 White 45–49 Violet Blue 50–54 Light Blue 55–59 Wine Red 60–64 May Green 65–69 Reseda Green 70–74 Lilac Blue 75–79 Moss Green 80–84 Signal Violet 85–89 Lilac Red 90–94 Purple Red 95–99 Green Brown 100–104 Pale Green 105–109 Ruby Red 110–114 Flame Red 115–119 Red Orange 120–124 Rose 125–129 Honey Yellow 130–134 Light Pin 135–139 Deep Orange 140–144 Lemon 145–149 Golden Yellow 150–154 Pastel Orange 155–159 Cream 160–164 Melon Yellow 165–169 Luminous Orange 170–174 Luminous Yellow 175–179 Open 180–248 FX 249–255 Open
15	Color Macro2	0	0–9 Open 10–23 FX 1 24–37 FX 2 38–51 FX 3 52–65 FX 4 66–79 FX 5 80–93 FX 6 94–107 FX 7 108–121 FX 8 122–135 FX 9 136–149 FX 10 150–163 FX 11 164–177 FX 12 178–191 FX 13 192–205 FX 14 206–219 FX 15 220–233 FX 16 234–247 FX 17 248–255 Closed
16	Color Macro2Rate	0	0–254 Slow 255–255 Fast
17	Dimmer	0	0–254 Closed 255–255 Open

SSP (continued)

Ch	Function	Default	DMX values
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 Live 71–80 Studio 81–90 Power 91–100 Reserved 101–110 Dimmer Off 111–120 Dimmer Mode 121–150 Reserved 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000 201–210 Reset All 211–220 P/T Reset 221–230 Zoom Reset 231–255 Reserved

HSIC

20 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	0–254 Fast 255–255 Slow
6	Dimmer	0	0–254 Closed 255–255 Open
7	H SBHue	0	
8	H SBHue Fine	0	Fine byte of H SBHue
9	H SBSaturation	0	
10	C TO	0	0–9 Open 10–24 1800K 25–39 2200K 40–54 2700K 55–69 3000K 70–84 3200K 85–99 4000K 100–114 4500K 115–129 5000K 130–144 5600K 145–159 6000K 160–174 6500K 175–189 7000K 190–204 8000K 205–255 10000K

HSIC (continued)

Ch	Function	Default	DMX values
11	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 Strobe
12	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
13	Red	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
14	Green	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
15	Blue	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
16	Color Macro1	0	0–9 Open 10–14 Red 15–19 Green 20–24 Blue 25–29 Yellow 30–34 Magenta 35–39 Cyan 40–44 White 45–49 Violet Blue 50–54 Light Blue 55–59 Wine Red 60–64 May Green 65–69 Reseda Green 70–74 Lilac Blue 75–79 Moss Green 80–84 Signal Violet 85–89 Lilac Red 90–94 Purple Red 95–99 Green Brown 100–104 Pale Green 105–109 Ruby Red 110–114 Flame Red 115–119 Red Orange 120–124 Rose 125–129 Honey Yellow 130–134 Light Pin 135–139 Deep Orange 140–144 Lemon 145–149 Golden Yellow 150–154 Pastel Orange 155–159 Cream 160–164 Melon Yellow 165–169 Luminous Orange 170–174 Luminous Yellow 175–179 Open 180–248 FX 249–255 Open

HSIC (continued)

Ch	Function	Default	DMX values
17	Color Macro2	0	0–9 Open 10–23 FX 1 24–37 FX 2 38–51 FX 3 52–65 FX 4 66–79 FX 5 80–93 FX 6 94–107 FX 7 108–121 FX 8 122–135 FX 9 136–149 FX 10 150–163 FX 11 164–177 FX 12 178–191 FX 13 192–205 FX 14 206–219 FX 15 220–233 FX 16 234–247 FX 17 248–255 Closed
18	Color Macro2Rate	0	0–254 Slow 255–255 Fast
19	Dimmer	0	0–254 Closed 255–255 Open
20	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 Live 71–80 Studio 81–90 Power 91–100 Reserved 101–110 Dimmer Off 111–120 Dimmer Mode 121–150 Reserved 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000 201–210 Reset All 211–220 P/T Reset 221–230 Zoom Reset 231–255 Reserved

Tour

20 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	0–254 Fast 255–255 Slow
4	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%

Tour (continued)

Ch	Function	Default	DMX values
5	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
6	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
7	Color Add GY	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
8	Dimmer	0	0–254 Closed 255–255 Open
9	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 Strobe
10	Color Effects1	0	0–10 Open 11–255 Preset Colors
11	C TO	0	0–9 Open 10–24 1800K 25–39 2200K 40–54 2700K 55–69 3000K 70–84 3200K 85–99 4000K 100–114 4500K 115–129 5000K 130–144 5600K 145–159 6000K 160–174 6500K 175–189 7000K 190–204 8000K 205–255 10000K
12	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
13	Red	0	
14	Green	0	
15	Blue	0	

Tour (continued)

Ch	Function	Default	DMX values
16	Color Macro1	0	0–9 Open 10–14 Red 15–19 Green 20–24 Blue 25–29 Yellow 30–34 Magenta 35–39 Cyan 40–44 White 45–49 Violet Blue 50–54 Light Blue 55–59 Wine Red 60–64 May Green 65–69 Reseda Green 70–74 Lilac Blue 75–79 Moss Green 80–84 Signal Violet 85–89 Lilac Red 90–94 Purple Red 95–99 Green Brown 100–104 Pale Green 105–109 Ruby Red 110–114 Flame Red 115–119 Red Orange 120–124 Rose 125–129 Honey Yellow 130–134 Light Pin 135–139 Deep Orange 140–144 Lemon 145–149 Golden Yellow 150–154 Pastel Orange 155–159 Cream 160–164 Melon Yellow 165–169 Luminous Orange 170–174 Luminous Yellow 175–179 Open 180–248 FX 249–255 Open
17	Color Macro2	0	0–9 Open 10–23 FX 1 24–37 FX 2 38–51 FX 3 52–65 FX 4 66–79 FX 5 80–93 FX 6 94–107 FX 7 108–121 FX 8 122–135 FX 9 136–149 FX 10 150–163 FX 11 164–177 FX 12 178–191 FX 13 192–205 FX 14 206–219 FX 15 220–233 FX 16 234–247 FX 17 248–255 Closed
18	Color Macro2Rate	0	0–254 Slow 255–255 Fast
19	Dimmer	0	0–254 Closed 255–255 Open

Tour (continued)

Ch	Function	Default	DMX values
20	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 Live 71–80 Studio 81–90 Power 91–100 Reserved 101–110 Dimmer Off 111–120 Dimmer Mode 121–150 Reserved 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000 201–210 Reset All 211–220 P/T Reset 221–230 Zoom Reset 231–255 Reserved

CMY

21 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	0–254 Fast 255–255 Slow
6	Cyan	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
7	Magenta	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
8	Yellow	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
9	Dimmer	0	0–254 Closed 255–255 Open
10	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 Strobe
11	Color Effects1	0	0–10 Open 11–255 Preset Colors

CMY (continued)

Ch	Function	Default	DMX values
12	C TO	0	0–9 Open 10–24 1800K 25–39 2200K 40–54 2700K 55–69 3000K 70–84 3200K 85–99 4000K 100–114 4500K 115–129 5000K 130–144 5600K 145–159 6000K 160–174 6500K 175–189 7000K 190–204 8000K 205–255 10000K
13	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
14	Red	0	
15	Green	0	
16	Blue	0	
17	Color Macro1	0	0–9 Open 10–14 Red 15–19 Green 20–24 Blue 25–29 Yellow 30–34 Magenta 35–39 Cyan 40–44 White 45–49 Violet Blue 50–54 Light Blue 55–59 Wine Red 60–64 May Green 65–69 Reseda Green 70–74 Lilac Blue 75–79 Moss Green 80–84 Signal Violet 85–89 Lilac Red 90–94 Purple Red 95–99 Green Brown 100–104 Pale Green 105–109 Ruby Red 110–114 Flame Red 115–119 Red Orange 120–124 Rose 125–129 Honey Yellow 130–134 Light Pin 135–139 Deep Orange 140–144 Lemon 145–149 Golden Yellow 150–154 Pastel Orange 155–159 Cream 160–164 Melon Yellow 165–169 Luminous Orange 170–174 Luminous Yellow 175–179 Open 180–248 FX 249–255 Open

CMY (continued)

Ch	Function	Default	DMX values
18	Color Macro2	0	0–9 Open 10–23 FX 1 24–37 FX 2 38–51 FX 3 52–65 FX 4 66–79 FX 5 80–93 FX 6 94–107 FX 7 108–121 FX 8 122–135 FX 9 136–149 FX 10 150–163 FX 11 164–177 FX 12 178–191 FX 13 192–205 FX 14 206–219 FX 15 220–233 FX 16 234–247 FX 17 248–255 Closed
19	Color Macro2Rate	0	0–254 Slow 255–255 Fast
20	Dimmer	0	0–254 Closed 255–255 Open
21	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 Live 71–80 Studio 81–90 Power 91–100 Reserved 101–110 Dimmer Off 111–120 Dimmer Mode 121–150 Reserved 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000 201–210 Reset All 211–220 P/T Reset 221–230 Zoom Reset 231–255 Reserved

Pixel

24 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	0–254 Fast 255–255 Slow
6	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide

Pixel (continued)

Ch	Function	Default	DMX values
7	Red	255	
8	Green	255	
9	Blue	255	
10	Color Macro1	0	0–9 Open 10–14 Red 15–19 Green 20–24 Blue 25–29 Yellow 30–34 Magenta 35–39 Cyan 40–44 White 45–49 Violet Blue 50–54 Light Blue 55–59 Wine Red 60–64 May Green 65–69 Reseda Green 70–74 Lilac Blue 75–79 Moss Green 80–84 Signal Violet 85–89 Lilac Red 90–94 Purple Red 95–99 Green Brown 100–104 Pale Green 105–109 Ruby Red 110–114 Flame Red 115–119 Red Orange 120–124 Rose 125–129 Honey Yellow 130–134 Light Pin 135–139 Deep Orange 140–144 Lemon 145–149 Golden Yellow 150–154 Pastel Orange 155–159 Cream 160–164 Melon Yellow 165–169 Luminous Orange 170–174 Luminous Yellow 175–179 Open 180–248 FX 249–255 Open
11	Color Macro2	0	0–9 Open 10–23 FX 1 24–37 FX 2 38–51 FX 3 52–65 FX 4 66–79 FX 5 80–93 FX 6 94–107 FX 7 108–121 FX 8 122–135 FX 9 136–149 FX 10 150–163 FX 11 164–177 FX 12 178–191 FX 13 192–205 FX 14 206–219 FX 15 220–233 FX 16 234–247 FX 17 248–255 Closed
12	Color Macro2Rate	0	0–254 Slow 255–255 Fast

Pixel (continued)

Ch	Function	Default	DMX values
13	Dimmer	0	0–254 Closed 255–255 Open
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 Live 71–80 Studio 81–90 Power 91–100 Reserved 101–110 Dimmer Off 111–120 Dimmer Mode 121–150 Reserved 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000 201–210 Reset All 211–220 P/T Reset 221–230 Zoom Reset 231–255 Reserved
15	Dimmer	0	0–254 Closed 255–255 Open
16	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe
17	Red	255	
18	Green	255	
19	Blue	255	
20	Color Add GY	255	
21	Red	255	
22	Green	255	
23	Blue	255	
24	Color Add GY	255	

TR16

27 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	0–254 Fast 255–255 Slow
6	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%

TR16 (continued)

Ch	Function	Default	DMX values
7	Red Fine	255	Fine byte of Red
8	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
9	Green Fine	255	Fine byte of Green
10	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
11	Blue Fine	255	Fine byte of Blue
12	Color Add GY	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
13	Color Add GY Fine	0	Fine byte of Color Add GY
14	Dimmer	0	0–254 Closed 255–255 Open
15	Dimmer Fine	0	Fine byte of Dimmer
16	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 Strobe
17	Color Effects1	0	0–10 Open 11–255 Preset Colors
18	C TO	0	0–9 Open 10–24 1800K 25–39 2200K 40–54 2700K 55–69 3000K 70–84 3200K 85–99 4000K 100–114 4500K 115–129 5000K 130–144 5600K 145–159 6000K 160–174 6500K 175–189 7000K 190–204 8000K 205–255 10000K
19	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
20	Red	0	
21	Green	0	
22	Blue	0	

TR16 (continued)

Ch	Function	Default	DMX values
23	Color Macro1	0	0–9 Open 10–14 Red 15–19 Green 20–24 Blue 25–29 Yellow 30–34 Magenta 35–39 Cyan 40–44 White 45–49 Violet Blue 50–54 Light Blue 55–59 Wine Red 60–64 May Green 65–69 Reseda Green 70–74 Lilac Blue 75–79 Moss Green 80–84 Signal Violet 85–89 Lilac Red 90–94 Purple Red 95–99 Green Brown 100–104 Pale Green 105–109 Ruby Red 110–114 Flame Red 115–119 Red Orange 120–124 Rose 125–129 Honey Yellow 130–134 Light Pin 135–139 Deep Orange 140–144 Lemon 145–149 Golden Yellow 150–154 Pastel Orange 155–159 Cream 160–164 Melon Yellow 165–169 Luminous Orange 170–174 Luminous Yellow 175–179 Open 180–248 FX 249–255 Open
24	Color Macro2	0	0–9 Open 10–23 FX 1 24–37 FX 2 38–51 FX 3 52–65 FX 4 66–79 FX 5 80–93 FX 6 94–107 FX 7 108–121 FX 8 122–135 FX 9 136–149 FX 10 150–163 FX 11 164–177 FX 12 178–191 FX 13 192–205 FX 14 206–219 FX 15 220–233 FX 16 234–247 FX 17 248–255 Closed
25	Color Macro2Rate	0	0–254 Slow 255–255 Fast
26	Dimmer	0	0–254 Closed 255–255 Open

TR16 (continued)

Ch	Function	Default	DMX values
27	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 Live 71–80 Studio 81–90 Power 91–100 Reserved 101–110 Dimmer Off 111–120 Dimmer Mode 121–150 Reserved 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000 201–210 Reset All 211–220 P/T Reset 221–230 Zoom Reset 231–255 Reserved