Silver Star

NH1-X



Manufacturer	**Silver Star**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**22, 26, 29 channels**
Beam angle	**3-52°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**240 × 450 × 220 mm**
GDTF fixture type	**A33E289F-7B8E-4447-99EA-AF…**

Controls

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

Safety-relevant functions

Fixture reset

DMX modes

BASIC_22CH	22 ch
STANDARD_26CH	26 ch
EXTEND_29CH	29 ch

BASIC_22CH

22 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	
4	Pan Rotate	0	0–127 stop rotation by spinout 128–189 Forwards Pan rotation from fast to slow 190–255 Empty Channel Set
5	Cyan	0	
6	Magenta	0	
7	Yellow	0	
8	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 R3314 101–110 L101 111–120 L768 121–128 NO FUNCTION 129–255 MIX
9	Color Mix MSpeed	0	
10	Color Wheel	0	0–7 WHTIE (wheel slot 1) 8–14 COLOR_1 (wheel slot 2) 15–21 COLOR_2 (wheel slot 3) 22–28 COLOR_3 (wheel slot 4) 29–35 COLOR_4 (wheel slot 5) 36–42 COLOR_5 (wheel slot 6) 43–49 COLOR_6 (wheel slot 7) 50–56 COLOR_7 (wheel slot 8) 57–64 COLOR_8 (wheel slot 9) 65–191 whell 192–222 >>> 223–224 STOP 225–255 <<<
11	Gobo	0	0–10 WHITE (wheel slot 8) 11–18 GOBO_1 (wheel slot 1) 19–26 GOBO_2 (wheel slot 2) 27–34 GOBO_3 (wheel slot 3) 35–42 GOBO_4 (wheel slot 4) 43–50 GOBO_5 (wheel slot 5) 51–58 GOBO_6 (wheel slot 6) 59–66 GOBO_7 (wheel slot 7) 67–74 SHAKE_1 (wheel slot 8) 75–82 SHAKE_2 (wheel slot 1) 83–90 SHAKE_3 (wheel slot 2) 91–98 SHAKE_4 (wheel slot 3) 99–106 SHAKE_5 (wheel slot 4) 107–114 SHAKE_6 (wheel slot 5) 115–122 SHAKE_7 (wheel slot 6) 123–127 WHITE (wheel slot 7) 128–190 >>> 191–192 STOP 193–255 <<<

BASIC_22CH (continued)

Ch	Function	Default	DMX values
12	Gobo Rotation	0	0–120 0-360 121–125 STOP1 126–165 SHAKE 166–170 STOP2 171–210 >>> 211–215 STOP3 216–255 <<<
13	Gobo 2	0	0–10 WHITE (wheel slot 1) 11–14 GOBO_1 (wheel slot 2) 15–18 GOBO_2 (wheel slot 3) 19–22 GOBO_3 (wheel slot 4) 23–26 GOBO_4 (wheel slot 5) 27–30 GOBO_5 (wheel slot 6) 31–34 GOBO_6 (wheel slot 7) 35–38 GOBO_7 (wheel slot 8) 39–42 GOBO_8 (wheel slot 9) 43–46 GOBO_9 (wheel slot 10) 47–50 GOBO_10 (wheel slot 11) 51–54 GOBO_11 (wheel slot 12) 55–58 GOBO_12 (wheel slot 13) 59–63 SHAKE_1 (wheel slot 1) 64–68 SHAKE_2 (wheel slot 2) 69–73 SHAKE_3 (wheel slot 3) 74–78 SHAKE_4 (wheel slot 4) 79–83 SHAKE_5 (wheel slot 5) 84–88 SHAKE_6 (wheel slot 6) 89–93 SHAKE_7 (wheel slot 7) 94–98 SHAKE_8 (wheel slot 8) 99–103 SHAKE_9 (wheel slot 9) 104–108 SHAKE_10 (wheel slot 10) 109–113 SHAKE_11 (wheel slot 11) 114–118 SHAKE_12 (wheel slot 12) 119–127 SHAKE_13 (wheel slot 13) 128–190 >>> 191–192 STOP 193–255 <<<
14	Prism	0	0–10 WHITE (wheel slot 1) 11–145 0-360 (wheel slot 2) 146–150 STOP (wheel slot 1) 151–200 <<< (wheel slot 2) 201–205 stop (wheel slot 1) 206–255 >>> (wheel slot 2)
15	Prism	0	0–10 white (wheel slot 1) 11–145 0-360 (wheel slot 2) 146–150 stop1 (wheel slot 1) 151–200 <<< (wheel slot 2) 201–205 stop (wheel slot 1) 206–255 >>> (wheel slot 2)
16	Frost1	0	0–63 WHTIE 64–127 FROST 128–255 MULTI-COLOR
17	Zoom	127	
18	Focus	127	

BASIC_22CH (continued)

Ch	Function	Default	DMX values
19	Focus1Adjust	0	0–12 NO FUNCTION 13–39 3 METER 40–66 5 METER 67–93 7 METER 94–120 9 METER 121–147 11 METER 148–174 13 METER 175–201 15 METER 202–228 17 METER 229–255 19 METER
20	Dimmer	0	
21	Shutter / Strobe	0	0–9 NO FUNCTION1 10–99 STROBE 100–109 NO FUNCTION2 110–179 LIGHTING strobe 1–25 Hz 180–189 NO FUNCTION3 190–255 RANDOM
22	Control1	0	0–10 NO FUNCTION 11–15 PAN/TILT BLACK ACTIVATED 16–20 PAN/TILT BLACK DEACTIVATED 21–25 PAN INVERT 26–30 TILT INVERT 31–35 PAN/TILT INVERT OFF 36–40 PAN DEGREE 630 41–45 PAN DEGREE 540 46–50 Sun Protection On 51–55 Sun Protection Off 56–100 No function 101–105 STUDIO 106–110 POWER 111–115 LIVE 116–130 RESERVED 131–135 DIMMER SPEED Halogen 136–140 DIMMER SPEED LED 141–145 DIMMER CURVE LINEAR 146–150 DIMMER CURVE SQUARE LAW 151–155 DIMMER CURVE INV-SQUARE LAW 156–160 DIMMER CURVE S-CURVE 161–165 1200Hz 166–170 2400Hz 171–175 4000Hz 176–180 6000Hz 181–185 25000Hz 186–200 RESERVED 201–205 ALL RESET 206–210 XY RESET 211–215 COLOR/GOBO SYS 216–220 FOCUS/ZOOM RESET 221–255 NO FUNCTION

STANDARD_26CH

26 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_26CH (continued)

Ch	Function	Default	DMX values
6	Pan Rotate	0	0–127 stop rotation by spinout 128–189 Forwards Pan rotation from fast to slow 190–255 Empty Channel Set
7	Cyan	0	
8	Magenta	0	
9	Yellow	0	
10	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 R3314 101–110 L101 111–120 L768 121–128 NO FUNCTION 129–255 MIX
11	Color Mix MSpeed	0	
12	Color Wheel	0	0–7 WHTIE (wheel slot 1) 8–14 COLOR_1 (wheel slot 2) 15–21 COLOR_2 (wheel slot 3) 22–28 COLOR_3 (wheel slot 4) 29–35 COLOR_4 (wheel slot 5) 36–42 COLOR_5 (wheel slot 6) 43–49 COLOR_6 (wheel slot 7) 50–56 COLOR_7 (wheel slot 8) 57–64 COLOR_8 (wheel slot 9) 65–191 whell 192–222 >>> 223–224 STOP 225–255 <<<
13	Gobo	0	0–10 WHITE (wheel slot 8) 11–18 GOBO_1 (wheel slot 1) 19–26 GOBO_2 (wheel slot 2) 27–34 GOBO_3 (wheel slot 3) 35–42 GOBO_4 (wheel slot 4) 43–50 GOBO_5 (wheel slot 5) 51–58 GOBO_6 (wheel slot 6) 59–66 GOBO_7 (wheel slot 7) 67–74 SHAKE_1 (wheel slot 8) 75–82 SHAKE_2 (wheel slot 1) 83–90 SHAKE_3 (wheel slot 2) 91–98 SHAKE_4 (wheel slot 3) 99–106 SHAKE_5 (wheel slot 4) 107–114 SHAKE_6 (wheel slot 5) 115–122 SHAKE_7 (wheel slot 6) 123–127 WHITE (wheel slot 7) 128–190 >>> 191–192 STOP (wheel slot 8) 193–255 <<<
14	Gobo Rotation	0	0–120 0-360 121–124 STOP1 125–165 SHAKE 166–170 STOP2 171–210 >>> 211–215 STOP3 216–255 <<<

STANDARD_26CH (continued)

Ch	Function	Default	DMX values
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
16	Gobo 2	0	0–10 WHITE (wheel slot 1) 11–14 GOBO_1 (wheel slot 2) 15–18 GOBO_2 (wheel slot 3) 19–22 GOBO_3 (wheel slot 4) 23–26 GOBO_4 (wheel slot 5) 27–30 GOBO_5 (wheel slot 6) 31–34 GOBO_6 (wheel slot 7) 35–38 GOBO_7 (wheel slot 8) 39–42 GOBO_8 (wheel slot 9) 43–46 GOBO_9 (wheel slot 10) 47–50 GOBO_10 (wheel slot 11) 51–54 GOBO_11 (wheel slot 12) 55–58 GOBO_12 (wheel slot 13) 59–63 SHAKE_1 (wheel slot 1) 64–68 SHAKE_2 (wheel slot 2) 69–73 SHAKE_3 (wheel slot 3) 74–78 SHAKE_4 (wheel slot 4) 79–83 SHAKE_5 (wheel slot 5) 84–88 SHAKE_6 (wheel slot 6) 89–93 SHAKE_7 (wheel slot 7) 94–98 SHAKE_8 (wheel slot 8) 99–103 SHAKE_9 (wheel slot 9) 104–108 SHAKE_10 (wheel slot 10) 109–113 SHAKE_11 (wheel slot 11) 114–118 SHAKE_12 (wheel slot 12) 119–127 SHAKE_13 (wheel slot 13) 128–190 >>> 191–192 STOP 193–255 <<<
17	Prism	0	0–10 WHITE (wheel slot 1) 11–145 0-360 (wheel slot 2) 146–150 STOP (wheel slot 1) 151–200 <<< (wheel slot 2) 201–205 stop (wheel slot 1) 206–255 >>> (wheel slot 2)
18	Prism	0	0–10 white (wheel slot 1) 11–145 0-360 (wheel slot 2) 146–150 stop1 (wheel slot 1) 151–200 <<< (wheel slot 2) 201–205 stop (wheel slot 1) 206–255 >>> (wheel slot 2)
19	Frost1	0	0–63 WHTIE 64–127 FROST 128–255 MULTI-COLOR
20	Zoom	127	
21	Focus	127	
22	Focus1Adjust	0	0–12 NO FUNCTION 13–39 3 METER 40–66 5 METER 67–93 7 METER 94–120 9 METER 121–147 11 METER 148–174 13 METER 175–201 15 METER 202–228 17 METER 229–255 19 METER
23	Dimmer	0	
24	Dimmer Fine	0	Fine byte of Dimmer

STANDARD_26CH (continued)

Ch	Function	Default	DMX values
25	Shutter / Strobe	0	0–9 NO FUNCTION1 10–99 STROBE 100–109 NO FUNCTION2 110–179 LIGHTING strobe 1–25 Hz 180–189 NO FUNCTION3 190–255 RANDOM
26	Control1	0	0–10 NO FUNCTION 11–15 PAN/TILT BLACK ACTIVATED 16–20 PAN/TILT BLACK DEACTIVATED 21–25 PAN INVERT 26–30 TILT INVERT 31–35 PAN/TILT INVERT OFF 36–40 PAN DEGREE 630 41–45 PAN DEGREE 540 46–50 Sun Protection On 51–55 Sun Protection Off 56–100 No function 101–105 STUDIO 106–110 POWER 111–115 LIVE 116–130 RESERVED 131–135 DIMMER SPEED Halogen 136–140 DIMMER SPEED LED 141–145 DIMMER CURVE LINEAR 146–150 DIMMER CURVE SQUARE LAW 151–155 DIMMER CURVE INV-SQUARE LAW 156–160 DIMMER CURVE S-CURVE 161–165 1200Hz 166–170 2400Hz 171–175 4000Hz 176–180 6000Hz 181–185 25000Hz 186–200 RESERVED 201–205 ALL RESET 206–210 XY RESET 211–215 COLOR/GOBO SYS 216–220 FOCUS/ZOOM RESET 221–255 NO FUNCTION

EXTEND_29CH

29 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	
6	Pan Rotate	0	0–127 stop rotation by spinout 128–189 Forwards Pan rotation from fast to slow 190–255 Empty Channel Set
7	Cyan	0	
8	Magenta	0	
9	Yellow	0	

EXTEND_29CH (continued)

Ch	Function	Default	DMX values
10	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 R3314 101–110 L101 111–120 L768 121–128 NO FUNCTION 129–255 MIX
11	Color Mix MSpeed	0	
12	Color Wheel	0	0–7 WHTIE (wheel slot 1) 8–14 COLOR_1 (wheel slot 2) 15–21 COLOR_2 (wheel slot 3) 22–28 COLOR_3 (wheel slot 4) 29–35 COLOR_4 (wheel slot 5) 36–42 COLOR_5 (wheel slot 6) 43–49 COLOR_6 (wheel slot 7) 50–56 COLOR_7 (wheel slot 8) 57–64 COLOR_8 (wheel slot 9) 65–190 whell 192–222 >>> 223–224 STOP 225–255 <<<
13	Color Wheel Fine	0	Fine byte of Color Wheel
14	Gobo	0	0–10 WHITE (wheel slot 8) 11–18 GOBO_1 (wheel slot 1) 19–26 GOBO_2 (wheel slot 2) 27–34 GOBO_3 (wheel slot 3) 35–42 GOBO_4 (wheel slot 4) 43–50 GOBO_5 (wheel slot 5) 51–58 GOBO_6 (wheel slot 6) 59–66 GOBO_7 (wheel slot 7) 67–74 SHAKE_1 (wheel slot 8) 75–82 SHAKE_2 (wheel slot 1) 83–90 SHAKE_3 (wheel slot 2) 91–98 SHAKE_4 (wheel slot 3) 99–106 SHAKE_5 (wheel slot 4) 107–114 SHAKE_6 (wheel slot 5) 115–122 SHAKE_7 (wheel slot 6) 123–127 WHITE (wheel slot 7) 128–190 >>> 191–192 STOP 193–255 <<<
15	Gobo Rotation	0	0–120 0-360 121–124 STOP1 125–165 SHAKE 166–170 STOP2 171–210 >>> 211–215 STOP3 216–255 <<<
16	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

EXTEND_29CH (continued)

Ch	Function	Default	DMX values
17	Gobo 2	0	0–10 WHITE (wheel slot 1) 11–14 GOBO_1 (wheel slot 2) 15–18 GOBO_2 (wheel slot 3) 19–22 GOBO_3 (wheel slot 4) 23–26 GOBO_4 (wheel slot 5) 27–30 GOBO_5 (wheel slot 6) 31–34 GOBO_6 (wheel slot 7) 35–38 GOBO_7 (wheel slot 8) 39–42 GOBO_8 (wheel slot 9) 43–46 GOBO_9 (wheel slot 10) 47–50 GOBO_10 (wheel slot 11) 51–54 GOBO_11 (wheel slot 12) 55–58 GOBO_12 (wheel slot 13) 59–63 WHITE (wheel slot 1) 64–68 SHAKE_1 (wheel slot 2) 69–73 SHAKE_2 (wheel slot 3) 74–78 SHAKE_3 (wheel slot 4) 79–83 SHAKE_4 (wheel slot 5) 84–88 SHAKE_5 (wheel slot 6) 89–93 SHAKE_6 (wheel slot 7) 94–98 SHAKE_7 (wheel slot 8) 99–103 SHAKE_8 (wheel slot 9) 104–108 SHAKE_9 (wheel slot 10) 109–113 SHAKE_10 (wheel slot 11) 114–118 SHAKE_11 (wheel slot 12) 119–127 SHAKE_12 (wheel slot 13) 128–190 >>> 191–192 STOP 193–255 <<<
18	Prism	0	0–10 WHITE (wheel slot 1) 11–145 0-360 (wheel slot 2) 146–150 STOP (wheel slot 1) 151–200 <<< (wheel slot 2) 201–205 stop (wheel slot 2) 206–255 >>> (wheel slot 2)
19	Prism	0	0–10 white (wheel slot 1) 11–145 0-360 (wheel slot 2) 146–150 stop1 (wheel slot 1) 151–200 <<< (wheel slot 2) 201–205 stop (wheel slot 1) 206–255 >>> (wheel slot 2)
20	Frost1	0	0–63 WHTIE 64–127 FROST 128–255 MULTI-COLOR
21	Zoom	128	
22	Zoom Fine	0	Fine byte of Zoom
23	Focus	127	
24	Focus Fine	127	Fine byte of Focus
25	Focus1Adjust	0	0–12 NO FUNCTION 13–39 3 METER 40–66 5 METER 67–93 7 METER 94–120 9 METER 121–147 11 METER 148–174 13 METER 175–201 15 METER 202–228 17 METER 229–255 19 METER
26	Dimmer	0	

EXTEND_29CH (continued)

Ch	Function	Default	DMX values
27	Dimmer Fine	0	Fine byte of Dimmer
28	Shutter / Strobe	0	0–9 NO FUNCTION1 10–99 STROBE 100–109 NO FUNCTION2 110–179 LIGHTING strobe 1–25 Hz 180–189 NO FUNCTION3 190–255 RANDOM
29	Control1	0	0–10 NO FUNCTION 11–15 PAN/TILT BLACK ACTIVATED 16–20 PAN/TILT BLACK DEACTIVATED 21–25 PAN INVERT 26–30 TILT INVERT 31–35 PAN/TILT INVERT OFF 36–40 PAN DEGREE 630 41–45 PAN DEGREE 540 46–50 Sun Protection On 51–55 Sun Protection Off 56–100 No function 101–105 STUDIO 106–110 POWER 111–115 LIVE 116–130 RESERVED 131–135 DIMMER SPEED Halogen 136–140 DIMMER SPEED LED 141–145 DIMMER CURVE LINEAR 146–150 DIMMER CURVE SQUARE LAW 151–155 DIMMER CURVE INV-SQUARE LAW 156–160 DIMMER CURVE S-CURVE 161–165 1200Hz 166–170 2400Hz 171–175 4000Hz 176–180 6000Hz 181–185 25000Hz 186–200 RESERVED 201–205 ALL RESET 206–210 XY RESET 211–215 COLOR/GOBO SYS 216–220 FOCUS/ZOOM RESET 221–255 NO FUNCTION