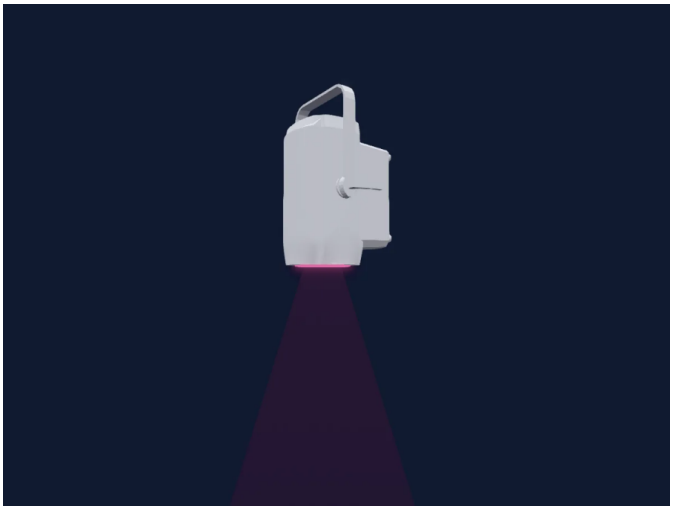
Starway

HERITAGE Fresnel 250



Manufacturer	**Starway**
Type	**Spot**
DMX modes	**9**
DMX footprint	**1, 2, 3, 14, 15, 17, 19, 23 channels**
Beam angle	**36°**
Size (W × H × D)	**290 × 259 × 84 mm**
GDTF fixture type	**A9481A7F-BDCF-4E28-96B3-BF…**

Controls

CMY colour mixing · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer

Safety-relevant functions

Strobe

DMX modes

Dimmer 1CH	1 ch
Dimmer 16bit 2CH	2 ch
Dimmer + CCT 3CH	3 ch
HSI 14CH	14 ch
XY 16Bit 15CH	15 ch
CMY 16Bit 17CH	17 ch
RGBALC 8bit 17CH	17 ch
RGBW 16bit 19CH	19 ch
RGBALC 16bit 23CH	23 ch

Dimmer 1CH

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% Dim 25–50 10% Dim 51–76 20% Dim 77–101 30% DIm 102–127 40% Dim 128–153 50% Dim 154–178 60% Dim 179–204 70% Dim 205–229 80% Dim 230–254 90% Dim 255–255 100% Dim

Dimmer 16bit 2CH

2 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% Dim 25–50 10% Dim 51–76 20% Dim 77–101 30% DIm 102–127 40% Dim 128–153 50% Dim 154–178 60% Dim 179–204 70% Dim 205–229 80% Dim 230–254 90% Dim 255–255 100% Dim
2	Dimmer Fine	0	Fine byte of Dimmer

Dimmer + CCT 3CH

3 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% Dim 25–50 10% Dim 51–76 20% Dim 77–101 30% DIm 102–127 40% Dim 128–153 50% Dim 154–178 60% Dim 179–204 70% Dim 205–229 80% Dim 230–254 90% Dim 255–255 100% Dim
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TO	0	0–27 1800K to 2700K 28–37 2700K to 3000K 38–43 3000K to 3200K 44–68 3200K to 4000K 69–83 4000K to 4500K 84–99 4500K to 5000K 100–118 5000K to 5600K 119–146 5600K to 6500K 147–192 6500K to 8000K 193–255 8000K to 10000K

HSI 14CH

14 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% Dim 25–50 10% Dim 51–76 20% Dim 77–101 30% DIm 102–127 40% Dim 128–153 50% Dim 154–178 60% Dim 179–204 70% Dim 205–229 80% Dim 230–254 90% Dim 255–255 100% Dim
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	15	0–9 Closed 10–19 Open1 20–67 Min Strobe 68–68 Max Strobe 69–79 Open2 80–127 Min Pulse 128–128 Max Pulse 129–139 Open3 140–187 Min Random 188–188 Max Random 189–255 Open4
4	Dummy	0	
5	H SBHue	0	
6	H SBHue Fine	0	Fine byte of H SBHue
7	H SBSaturation	0	0–254 0% 255–255 100%
8	C TO	0	0–27 1800K to 2700K 28–37 2700K to 3000K 38–43 3000K to 3200K 44–68 3200K to 4000K 69–83 4000K to 4500K 84–99 4500K to 5000K 100–118 5000K to 5600K 119–146 5600K to 6500K 147–192 6500K to 8000K 193–255 8000K to 10000K
9	Tint	0	
10	Crossfade	0	0–254 100% COLOR MIX 255–255 100% CCT WHITE Channel
11	Color Macro1	0	
12	Color Macro1Rate	0	0–254 Fade/Speed from fast 255–255 Fade/Speed from slow
13	Dimmer Mode	0	0–20 Default unit setting 21–40 Dim0 41–60 Dim1 61–80 Dim2 81–100 Dim3 101–255 Dim4

HSI 14CH (continued)

Ch	Function	Default	DMX values
14	Control1	0	0–4 No function 5–44 Reserved1 45–49 Fan Quiet(Hold 3s) 50–54 Fan Auto (Hold 3s) 55–59 Fan High (Hold 3s) 60–64 Linear Dimmer Curve (hold 3s) 65–69 Square Dimmer Curve (hold 3s) 70–74 Inv-Square Dimmer Curve (hold 3s) 75–79 S - Dimmer Curve (hold 3s) 80–84 Fast Dim disable (hold 3s) 85–89 Fast dim enable (hold 3s) 90–94 900 Hz (hold 3s) 95–99 1000 Hz (hold 3s) 100–104 1100 Hz (hold 3s) 105–109 1200 Hz (hold 3s) 110–114 1300 Hz (hold 3s) 115–119 1400 Hz (hold 3s) 120–124 1500 Hz (hold 3s) 125–129 2500 Hz (hold 3s) 130–134 4000 Hz (hold 3s) 135–139 5000 Hz (hold 3s) 140–144 10000 Hz (hold 3s) 145–149 15000 Hz (hold 3s) 150–154 20000 Hz (hold 3s) 155–159 25000 Hz (hold 3s) 160–169 Reserved 2 170–174 DTW ON 175–179 DTW OFF 180–255 Reserved 3

XY 16Bit 15CH

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% Dim 25–50 10% Dim 51–76 20% Dim 77–101 30% DIm 102–127 40% Dim 128–153 50% Dim 154–178 60% Dim 179–204 70% Dim 205–229 80% Dim 230–254 90% Dim 255–255 100% Dim
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	15	0–9 Closed 10–19 Open1 20–67 Min Strobe 68–68 Max Strobe 69–79 Open2 80–127 Min Pulse 128–128 Max Pulse 129–139 Open3 140–187 Min Random 188–188 Max Random 189–255 Open4
4	Dummy	0	
5	C IEX	0	
6	C IEX Fine	0	Fine byte of C IEX

XY 16Bit 15CH (continued)

Ch	Function	Default	DMX values
7	C IEY	0	
8	C IEY Fine	0	Fine byte of C IEY
9	C TO	0	0–27 1800K to 2700K 28–37 2700K to 3000K 38–43 3000K to 3200K 44–68 3200K to 4000K 69–83 4000K to 4500K 84–99 4500K to 5000K 100–118 5000K to 5600K 119–146 5600K to 6500K 147–192 6500K to 8000K 193–255 8000K to 10000K
10	Tint	0	
11	Crossfade	0	0–254 100% COLOR MIX 255–255 100% CCT WHITE Channel
12	Color Macro1	0	
13	Color Macro1Rate	0	0–254 Fade/Speed from fast 255–255 Fade/Speed from slow
14	Dimmer Mode	0	0–20 Default unit setting 21–40 Dim0 41–60 Dim1 61–80 Dim2 81–100 Dim3 101–255 Dim4
15	Control1	0	0–4 No function 5–44 Reserved1 45–49 Fan Quiet(Hold 3s) 50–54 Fan Auto (Hold 3s) 55–59 Fan High (Hold 3s) 60–64 Linear Dimmer Curve (hold 3s) 65–69 Square Dimmer Curve (hold 3s) 70–74 Inv-Square Dimmer Curve (hold 3s) 75–79 S - Dimmer Curve (hold 3s) 80–84 Fast Dim disable (hold 3s) 85–89 Fast dim enable (hold 3s) 90–94 900 Hz (hold 3s) 95–99 1000 Hz (hold 3s) 100–104 1100 Hz (hold 3s) 105–109 1200 Hz (hold 3s) 110–114 1300 Hz (hold 3s) 115–119 1400 Hz (hold 3s) 120–124 1500 Hz (hold 3s) 125–129 2500 Hz (hold 3s) 130–134 4000 Hz (hold 3s) 135–139 5000 Hz (hold 3s) 140–144 10000 Hz (hold 3s) 145–149 15000 Hz (hold 3s) 150–154 20000 Hz (hold 3s) 155–159 25000 Hz (hold 3s) 160–169 Reserved 2 170–174 DTW ON 175–179 DTW OFF 180–255 Reserved 3

CMY 16Bit 17CH

17 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% Dim 25–50 10% Dim 51–76 20% Dim 77–101 30% DIm 102–127 40% Dim 128–153 50% Dim 154–178 60% Dim 179–204 70% Dim 205–229 80% Dim 230–254 90% Dim 255–255 100% Dim
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	15	0–9 Closed 10–19 Open1 20–67 Min Strobe 68–68 Max Strobe 69–79 Open2 80–127 Min Pulse 128–128 Max Pulse 129–139 Open3 140–187 Min Random 188–188 Max Random 189–255 Open4
4	Dummy	0	
5	Cyan	0	
6	Cyan Fine	0	Fine byte of Cyan
7	Magenta	0	
8	Magenta Fine	0	Fine byte of Magenta
9	Yellow	0	
10	Yellow Fine	0	Fine byte of Yellow
11	C TO	0	0–27 1800K to 2700K 28–37 2700K to 3000K 38–43 3000K to 3200K 44–68 3200K to 4000K 69–83 4000K to 4500K 84–99 4500K to 5000K 100–118 5000K to 5600K 119–146 5600K to 6500K 147–192 6500K to 8000K 193–255 8000K to 10000K
12	Tint	0	
13	Crossfade	0	0–254 100% COLOR MIX 255–255 100% CCT WHITE Channel
14	Color Macro1	0	
15	Color Macro1Rate	0	0–254 Fade/Speed from fast 255–255 Fade/Speed from slow
16	Dimmer Mode	0	0–20 Default unit setting 21–40 Dim0 41–60 Dim1 61–80 Dim2 81–100 Dim3 101–255 Dim4

CMY 16Bit 17CH (continued)

Ch	Function	Default	DMX values
17	Control1	0	0–4 No function 5–44 Reserved1 45–49 Fan Quiet(Hold 3s) 50–54 Fan Auto (Hold 3s) 55–59 Fan High (Hold 3s) 60–64 Linear Dimmer Curve (hold 3s) 65–69 Square Dimmer Curve (hold 3s) 70–74 Inv-Square Dimmer Curve (hold 3s) 75–79 S - Dimmer Curve (hold 3s) 80–84 Fast Dim disable (hold 3s) 85–89 Fast dim enable (hold 3s) 90–94 900 Hz (hold 3s) 95–99 1000 Hz (hold 3s) 100–104 1100 Hz (hold 3s) 105–109 1200 Hz (hold 3s) 110–114 1300 Hz (hold 3s) 115–119 1400 Hz (hold 3s) 120–124 1500 Hz (hold 3s) 125–129 2500 Hz (hold 3s) 130–134 4000 Hz (hold 3s) 135–139 5000 Hz (hold 3s) 140–144 10000 Hz (hold 3s) 145–149 15000 Hz (hold 3s) 150–154 20000 Hz (hold 3s) 155–159 25000 Hz (hold 3s) 160–169 Reserved 2 170–174 DTW ON 175–179 DTW OFF 180–255 Reserved 3

RGBALC 8bit 17CH

17 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% Dim 25–50 10% Dim 51–76 20% Dim 77–101 30% DIm 102–127 40% Dim 128–153 50% Dim 154–178 60% Dim 179–204 70% Dim 205–229 80% Dim 230–254 90% Dim 255–255 100% Dim
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	15	0–9 Closed 10–19 Open1 20–67 Min Strobe 68–68 Max Strobe 69–79 Open2 80–127 Min Pulse 128–128 Max Pulse 129–139 Open3 140–187 Min Random 188–188 Max Random 189–255 Open4
4	Dummy	0	
5	Red	255	
6	Green	255	

RGBALC 8bit 17CH (continued)

Ch	Function	Default	DMX values
7	Blue	255	
8	Color Add RY	255	
9	Color Add GY	255	
10	Color Add C	255	
11	C TO	0	0–27 1800K to 2700K 28–37 2700K to 3000K 38–43 3000K to 3200K 44–68 3200K to 4000K 69–83 4000K to 4500K 84–99 4500K to 5000K 100–118 5000K to 5600K 119–146 5600K to 6500K 147–192 6500K to 8000K 193–255 8000K to 10000K
12	Tint	0	
13	Crossfade	0	0–254 100% COLOR MIX 255–255 100% CCT WHITE Channel
14	Color Macro1	0	
15	Color Macro1Rate	0	0–254 Fade/Speed from fast 255–255 Fade/Speed from slow
16	Dimmer Mode	0	0–20 Default unit setting 21–40 Dim0 41–60 Dim1 61–80 Dim2 81–100 Dim3 101–255 Dim4
17	Control1	0	0–4 No function 5–44 Reserved1 45–49 Fan Quiet(Hold 3s) 50–54 Fan Auto (Hold 3s) 55–59 Fan High (Hold 3s) 60–64 Linear Dimmer Curve (hold 3s) 65–69 Square Dimmer Curve (hold 3s) 70–74 Inv-Square Dimmer Curve (hold 3s) 75–79 S - Dimmer Curve (hold 3s) 80–84 Fast Dim disable (hold 3s) 85–89 Fast dim enable (hold 3s) 90–94 900 Hz (hold 3s) 95–99 1000 Hz (hold 3s) 100–104 1100 Hz (hold 3s) 105–109 1200 Hz (hold 3s) 110–114 1300 Hz (hold 3s) 115–119 1400 Hz (hold 3s) 120–124 1500 Hz (hold 3s) 125–129 2500 Hz (hold 3s) 130–134 4000 Hz (hold 3s) 135–139 5000 Hz (hold 3s) 140–144 10000 Hz (hold 3s) 145–149 15000 Hz (hold 3s) 150–154 20000 Hz (hold 3s) 155–159 25000 Hz (hold 3s) 160–169 Reserved 2 170–174 DTW ON 175–179 DTW OFF 180–255 Reserved 3

RGBW 16bit 19CH

19 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% Dim 25–50 10% Dim 51–76 20% Dim 77–101 30% DIm 102–127 40% Dim 128–153 50% Dim 154–178 60% Dim 179–204 70% Dim 205–229 80% Dim 230–254 90% Dim 255–255 100% Dim
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	15	0–9 Closed 10–19 Open1 20–67 Min Strobe 68–68 Max Strobe 69–79 Open2 80–127 Min Pulse 128–128 Max Pulse 129–139 Open3 140–187 Min Random 188–188 Max Random 189–255 Open4
4	Dummy	0	
5	Red	255	
6	Red Fine	255	Fine byte of Red
7	Green	255	
8	Green Fine	255	Fine byte of Green
9	Blue	255	
10	Blue Fine	255	Fine byte of Blue
11	White	255	
12	White Fine	255	Fine byte of White
13	C TO	0	0–27 1800K to 2700K 28–37 2700K to 3000K 38–43 3000K to 3200K 44–68 3200K to 4000K 69–83 4000K to 4500K 84–99 4500K to 5000K 100–118 5000K to 5600K 119–146 5600K to 6500K 147–192 6500K to 8000K 193–255 8000K to 10000K
14	Tint	0	
15	Crossfade	0	0–254 100% COLOR MIX 255–255 100% CCT WHITE Channel
16	Color Macro1	0	
17	Color Macro1Rate	0	0–254 Fade/Speed from fast 255–255 Fade/Speed from slow
18	Dimmer Mode	0	0–20 Default unit setting 21–40 Dim0 41–60 Dim1 61–80 Dim2 81–100 Dim3 101–255 Dim4

RGBW 16bit 19CH (continued)

Ch	Function	Default	DMX values
19	Control1	0	0–4 No function 5–44 Reserved1 45–49 Fan Quiet(Hold 3s) 50–54 Fan Auto (Hold 3s) 55–59 Fan High (Hold 3s) 60–64 Linear Dimmer Curve (hold 3s) 65–69 Square Dimmer Curve (hold 3s) 70–74 Inv-Square Dimmer Curve (hold 3s) 75–79 S - Dimmer Curve (hold 3s) 80–84 Fast Dim disable (hold 3s) 85–89 Fast dim enable (hold 3s) 90–94 900 Hz (hold 3s) 95–99 1000 Hz (hold 3s) 100–104 1100 Hz (hold 3s) 105–109 1200 Hz (hold 3s) 110–114 1300 Hz (hold 3s) 115–119 1400 Hz (hold 3s) 120–124 1500 Hz (hold 3s) 125–129 2500 Hz (hold 3s) 130–134 4000 Hz (hold 3s) 135–139 5000 Hz (hold 3s) 140–144 10000 Hz (hold 3s) 145–149 15000 Hz (hold 3s) 150–154 20000 Hz (hold 3s) 155–159 25000 Hz (hold 3s) 160–169 Reserved 2 170–174 DTW ON 175–179 DTW OFF 180–255 Reserved 3

RGBALC 16bit 23CH

23 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% Dim 25–50 10% Dim 51–76 20% Dim 77–101 30% DIm 102–127 40% Dim 128–153 50% Dim 154–178 60% Dim 179–204 70% Dim 205–229 80% Dim 230–254 90% Dim 255–255 100% Dim
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	15	0–9 Closed 10–19 Open1 20–67 Min Strobe 68–68 Max Strobe 69–79 Open2 80–127 Min Pulse 128–128 Max Pulse 129–139 Open3 140–187 Min Random 188–188 Max Random 189–255 Open4
4	Dummy	0	
5	Red	255	
6	Red Fine	255	Fine byte of Red

RGBALC 16bit 23CH (continued)

Ch	Function	Default	DMX values
7	Green	255	
8	Green Fine	255	Fine byte of Green
9	Blue	255	
10	Blue Fine	255	Fine byte of Blue
11	Color Add RY	255	
12	Color Add RY Fine	255	Fine byte of Color Add RY
13	Color Add GY	255	
14	Color Add GY Fine	255	Fine byte of Color Add GY
15	Color Add C	255	
16	Color Add C Fine	255	Fine byte of Color Add C
17	C TO	0	0–27 1800K to 2700K 28–37 2700K to 3000K 38–43 3000K to 3200K 44–68 3200K to 4000K 69–83 4000K to 4500K 84–99 4500K to 5000K 100–118 5000K to 5600K 119–146 5600K to 6500K 147–192 6500K to 8000K 193–255 8000K to 10000K
18	Tint	0	
19	Crossfade	0	0–254 100% COLOR MIX 255–255 100% CCT WHITE Channel
20	Color Macro1	0	
21	Color Macro1Rate	0	0–254 Fade/Speed from fast 255–255 Fade/Speed from slow
22	Dimmer Mode	0	0–20 Default unit setting 21–40 Dim0 41–60 Dim1 61–80 Dim2 81–100 Dim3 101–255 Dim4

RGBALC 16bit 23CH (continued)

Ch	Function	Default	DMX values
23	Control1	0	0–4 No function 5–44 Reserved1 45–49 Fan Quiet(Hold 3s) 50–54 Fan Auto (Hold 3s) 55–59 Fan High (Hold 3s) 60–64 Linear Dimmer Curve (hold 3s) 65–69 Square Dimmer Curve (hold 3s) 70–74 Inv-Square Dimmer Curve (hold 3s) 75–79 S - Dimmer Curve (hold 3s) 80–84 Fast Dim disable (hold 3s) 85–89 Fast dim enable (hold 3s) 90–94 900 Hz (hold 3s) 95–99 1000 Hz (hold 3s) 100–104 1100 Hz (hold 3s) 105–109 1200 Hz (hold 3s) 110–114 1300 Hz (hold 3s) 115–119 1400 Hz (hold 3s) 120–124 1500 Hz (hold 3s) 125–129 2500 Hz (hold 3s) 130–134 4000 Hz (hold 3s) 135–139 5000 Hz (hold 3s) 140–144 10000 Hz (hold 3s) 145–149 15000 Hz (hold 3s) 150–154 20000 Hz (hold 3s) 155–159 25000 Hz (hold 3s) 160–169 Reserved 2 170–174 DTW ON 175–179 DTW OFF 180–255 Reserved 3