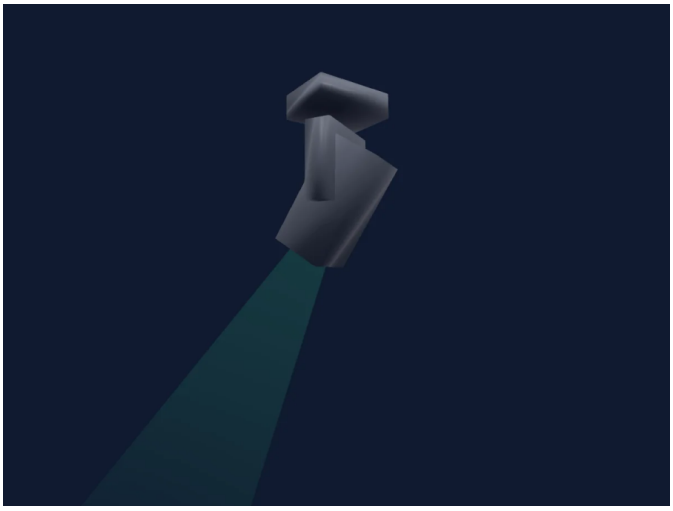
Fine Art

FINE 1680LH BSWF



Manufacturer	**Fine Art**
Type	**Profile spot**
DMX modes	**3**
DMX footprint	**34, 41, 45 channels**
Beam angle	**6-46°**
Pan range	**540°**
Tilt range	**252°**
Size (W × H × D)	**324 × 612 × 278 mm**
GDTF fixture type	**68DA2F1D-FA86-4306-8B53-6B…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Strobe

DMX modes

STND	34 ch
16BIT	41 ch
EXTN	45 ch

STND

34 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	6	0–5 Close 6–10 Open1 11–104 Min Strobe 105–105 Max Strobe 106–110 Open2 111–178 Min Pulse 179–179 Max Pulse 180–185 Open3 186–252 Min Random 253–253 Max Random 254–255 Open4
2	Dimmer	0	
3	Dimmer Fine	0	Fine byte of Dimmer
4	Pan	127	
5	Pan Fine	255	Fine byte of Pan
6	Tilt	127	
7	Tilt Fine	255	Fine byte of Tilt
8	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–71 Gobo 6 (wheel slot 7) 72–94 Gobo 1 Shake (wheel slot 2) 95–117 Gobo 2 Shake (wheel slot 3) 118–140 Gobo 3 Shake (wheel slot 4) 141–163 Gobo 4 Shake (wheel slot 5) 164–186 Gobo 5 Shake (wheel slot 6) 187–209 Gobo 6 Shake (wheel slot 7) 210–231 CW 232–233 Stop 234–255 CCW
9	Gobo Rotation	0	0–126 Min 127–127 Max 128–190 CW 191–192 Stop 193–255 CCW
10	Reserved 10	0	
11	Animation Wheel1Pos Rotate	0	0–2 Stop 1 3–126 CW 127–129 Stop 2 130–253 CCW 254–255 Stop 3
12	Cyan	0	
13	Magenta	0	
14	Yellow	0	
15	C TO	0	

STND (continued)

Ch	Function	Default	DMX values
16	Color Wheel	121	18–34 Red (wheel slot 1) 35–53 Green (wheel slot 2) 54–69 Blue (wheel slot 3) 70–85 Orange (wheel slot 4) 86–103 Purple (wheel slot 5) 104–119 Dark green (wheel slot 6) 120–120 white (wheel slot 7) 121–126 Red (wheel slot 1) 127–132 Green (wheel slot 2) 133–138 Blue (wheel slot 3) 139–144 Orange (wheel slot 4) 145–150 Purple (wheel slot 5) 151–156 Dark green (wheel slot 6) 157–160 White (wheel slot 7) 161–200 CW 201–203 Stop 204–243 CCW 244–247 Random>>> 248–251 Random>> 252–255 Random>
17	Reserved 17	0	
18	Prism	0	0–10 Open (wheel slot 1) 11–138 4F Circular (wheel slot 3) 139–255 4F Linear (wheel slot 2)
19	Prism Rotation	0	0–126 0 127–127 360 128–190 CW 191–192 Stop 193–255 CCW
20	Focus	127	0–126 Infinity 127–254 Center 255–255 Near
21	Zoom	127	
22	Frost1	0	0–254 Open 255–255 Frost 1
23	Frost2	0	0–254 Open 255–255 Frost 2
24	Iris	0	0–64 Max 65–130 Center 131–131 Min 132–151 Iris pulse open 152–171 PluseClosed 172–191 PluseOpen 192–255 Reserved
25	Blade1A	0	
26	Blade1Rot	127	
27	Blade2A	0	
28	Blade2Rot	127	
29	Blade3A	0	
30	Blade3Rot	127	
31	Blade4A	0	
32	Blade4Rot	127	
33	Shaper Rot	127	

STND (continued)

Ch	Function	Default	DMX values
34	Control1	0	0–9 None 10–14 FixtureReset 15–29 BeamReset 30–34 PT Reset 35–49 Reverved 50–54 Freq 1_2Khz 55–59 Freq 2_4Khz 60–64 Freq 12Khz 65–69 Freq 24Khz 70–74 s 75–79 default 80–84 parabolic 85–89 Empty Channel Set 90–124 Reverved 125–129 full power 130–134 standard mode 135–139 Theater mode 140–144 CMY S Linear 145–149 CMY Parabola Linear 150–159 CCI On 160–169 CCI Off 170–179 Fast dimmer 180–189 Slow dimmer 190–255 Reverved

16BIT

41 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	6	0–5 Close 6–10 Open1 11–104 Min Strobe 105–105 Max Strobe 106–110 Open2 111–178 Min Pulse 179–179 Max Pulse 180–185 Open3 186–252 Min Random 253–253 Max Random 254–255 Open4
2	Dimmer	0	
3	Dimmer Fine	0	Fine byte of Dimmer
4	Pan	127	
5	Pan Fine	255	Fine byte of Pan
6	Tilt	127	
7	Tilt Fine	255	Fine byte of Tilt

16BIT (continued)

Ch	Function	Default	DMX values
8	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–71 Gobo 6 (wheel slot 7) 72–94 Gobo 1 Shake (wheel slot 2) 95–117 Gobo 2 Shake (wheel slot 3) 118–140 Gobo 3 Shake (wheel slot 4) 141–163 Gobo 4 Shake (wheel slot 5) 164–186 Gobo 5 Shake (wheel slot 6) 187–209 Gobo 6 Shake (wheel slot 7) 210–231 CW 232–233 Stop 234–255 CCW
9	Gobo Rotation	0	0–126 Min 127–127 Max 128–190 CW 191–192 Stop 193–255 CCW
10	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
11	Reserved 11	0	
12	Animation Wheel1Pos Rotate	0	0–2 Stop 1 3–126 CW 127–129 Stop 2 130–253 CCW 254–255 Stop 3
13	Cyan	0	
14	Magenta	0	
15	Yellow	0	
16	C TO	0	
17	Color Wheel	121	18–34 Red (wheel slot 1) 35–53 Green (wheel slot 2) 54–69 Blue (wheel slot 3) 70–85 Orange (wheel slot 4) 86–103 Purple (wheel slot 5) 104–119 Dark green (wheel slot 6) 120–120 white (wheel slot 7) 121–126 Red (wheel slot 1) 127–132 Green (wheel slot 2) 133–138 Blue (wheel slot 3) 139–144 Orange (wheel slot 4) 145–150 Purple (wheel slot 5) 151–156 Dark green (wheel slot 6) 157–160 White (wheel slot 7) 161–200 CW 201–203 Stop 204–243 CCW 244–247 Random>>> 248–251 Random>> 252–255 Random>
18	Reserved 18	0	
19	Prism	0	0–10 Open (wheel slot 1) 11–138 4F Circular (wheel slot 3) 139–255 4F Linear (wheel slot 2)

16BIT (continued)

Ch	Function	Default	DMX values
20	Prism Rotation	0	0–126 0 127–127 360 128–190 CW 191–192 Stop 193–255 CCW
21	Focus	127	0–126 Infinity 127–254 Center 255–255 Near
22	Focus Fine	127	Fine byte of Focus
23	Zoom	127	
24	Zoom Fine	127	Fine byte of Zoom
25	Auto Focus Distance	0	0–5 Closed 6–31 Reserved 1 32–57 8 M 58–83 12 M 84–109 16 M 110–255 Reserved 2
26	Auto Focus Adjustment	0	0–5 Closed 6–31 Reserved 1 32–57 8 M 58–83 12 M 84–109 16 M 110–255 Reserved 2
27	Frost1	0	0–254 Open 255–255 Frost 1
28	Frost2	0	0–254 Open 255–255 Frost 2
29	Iris	0	0–64 Max 65–130 Center 131–131 Min 132–151 Iris pulse open 152–171 PluseClosed 172–191 PluseOpen 192–255 Reserved
30	Blade1A	0	
31	Blade1Rot	127	
32	Blade2A	0	
33	Blade2Rot	127	
34	Blade3A	0	
35	Blade3Rot	127	
36	Blade4A	0	
37	Blade4Rot	127	
38	Shaper Rot	127	
39	Shaper Macros	0	0–9 None 10–19 Square 20–29 Rectangle 30–39 Reserve 1 40–49 Diamond 50–59 Ladder-Shaped 60–255 Reserve 2
40	C RIMode	0	0–5 None 6–10 R9-70 11–15 R9-80 16–20 R9-90 21–255 Reserve

16BIT (continued)

Ch	Function	Default	DMX values
41	Control1	0	0–9 None 10–14 FixtureReset 15–29 BeamReset 30–34 PT Reset 35–49 Reverved 50–54 Freq 1_2Khz 55–59 Freq 2_4Khz 60–64 Freq 12Khz 65–69 Freq 24Khz 70–74 s 75–79 default 80–84 parabolic 85–89 Empty Channel Set 90–124 Reverved 125–129 full power 130–134 standard mode 135–139 Theater mode 140–144 CMY S Linear 145–149 CMY Parabola Linear 150–159 CCI On 160–169 CCI Off 170–179 Fast dimmer 180–189 Slow dimmer 190–255 Reverved

EXTN

45 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	6	0–5 Close 6–10 Open1 11–104 Min Strobe 105–105 Max Strobe 106–110 Open2 111–178 Min Pulse 179–179 Max Pulse 180–185 Open3 186–252 Min Random 253–253 Max Random 254–255 Open4
2	Dimmer	0	
3	Dimmer Fine	0	Fine byte of Dimmer
4	Pan	127	
5	Pan Fine	255	Fine byte of Pan
6	Tilt	127	
7	Tilt Fine	255	Fine byte of Tilt

EXTN (continued)

Ch	Function	Default	DMX values
8	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–71 Gobo 6 (wheel slot 7) 72–94 Gobo 1 Shake (wheel slot 2) 95–117 Gobo 2 Shake (wheel slot 3) 118–140 Gobo 3 Shake (wheel slot 4) 141–163 Gobo 4 Shake (wheel slot 5) 164–186 Gobo 5 Shake (wheel slot 6) 187–209 Gobo 6 Shake (wheel slot 7) 210–231 CW 232–233 Stop 234–255 CCW
9	Gobo Rotation	0	0–126 Min 127–127 Max 128–190 CW 191–192 Stop 193–255 CCW
10	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
11	Reserved 11	0	
12	Animation Wheel1Pos Rotate	0	0–2 Stop 1 3–126 CW 127–129 Stop 2 130–253 CCW 254–255 Stop 3
13	Cyan	0	
14	Magenta	0	
15	Yellow	0	
16	C TO	0	
17	Color Wheel	121	18–34 Red (wheel slot 1) 35–53 Green (wheel slot 2) 54–69 Blue (wheel slot 3) 70–85 Orange (wheel slot 4) 86–103 Purple (wheel slot 5) 104–119 Dark green (wheel slot 6) 120–120 white (wheel slot 7) 121–126 Red (wheel slot 1) 127–132 Green (wheel slot 2) 133–138 Blue (wheel slot 3) 139–144 Orange (wheel slot 4) 145–150 Purple (wheel slot 5) 151–156 Dark green (wheel slot 6) 157–160 White (wheel slot 7) 161–200 CW 201–203 Stop 204–243 CCW 244–247 Random>>> 248–251 Random>> 252–255 Random>
18	Reserved 18	0	
19	Prism	0	0–10 Open (wheel slot 1) 11–138 4F Circular (wheel slot 3) 139–255 4F Linear (wheel slot 2)

EXTN (continued)

Ch	Function	Default	DMX values
20	Prism Rotation	0	0–126 0 127–127 360 128–190 CW 191–192 Stop 193–255 CCW
21	Focus	127	0–126 Infinity 127–254 Center 255–255 Near
22	Focus Fine	127	Fine byte of Focus
23	Zoom	127	
24	Zoom Fine	127	Fine byte of Zoom
25	Auto Focus Distance	0	0–5 Closed 6–31 Reserved 1 32–57 8 M 58–83 12 M 84–109 16 M 110–255 Reserved 2
26	Auto Focus Adjustment	0	0–127 Focus Negative 128–128 None 129–255 Focus Positive
27	Frost1	0	0–254 Open 255–255 Frost 1
28	Frost2	0	0–254 Open 255–255 Frost 2
29	Iris	0	0–64 Max 65–130 Center 131–131 Min 132–151 Iris pulse open 152–171 PluseClosed 172–191 PluseOpen 192–255 Reserved
30	Blade1A	0	
31	Blade1Rot	127	
32	Blade2A	0	
33	Blade2Rot	127	
34	Blade3A	0	
35	Blade3Rot	127	
36	Blade4A	0	
37	Blade4Rot	127	
38	Shaper Rot	127	
39	Shaper Macros	0	0–9 None 10–19 Square 20–29 Rectangle 30–39 Reserve 1 40–49 Diamond 50–59 Ladder-Shaped 60–255 Reserve 2
40	C RIMode	0	0–5 None 6–10 R9-70 11–15 R9-80 16–20 R9-90 21–255 Reserve

EXTN (continued)

Ch	Function	Default	DMX values
41	Control1	0	0–9 None 10–14 FixtureReset 15–29 BeamReset 30–34 PT Reset 35–49 Reverved 50–54 Freq 1_2Khz 55–59 Freq 2_4Khz 60–64 Freq 12Khz 65–69 Freq 24Khz 70–74 s 75–79 default 80–84 parabolic 85–89 Empty Channel Set 90–124 Reverved 125–129 full power 130–134 standard mode 135–139 Theater mode 140–144 CMY S Linear 145–149 CMY Parabola Linear 150–159 CCI On 160–169 CCI Off 170–179 Fast dimmer 180–189 Slow dimmer 190–255 Reverved
42	Position MSpeed	1	0–254 100%---1% 255–255 Follow
43	Color Mix MSpeed	1	0–254 100%---1% 255–255 Follow
44	Global MSpeed	1	0–254 100%---1% 255–255 Follow
45	Gobo Wheel1MSpeed	1	0–254 100%---1% 255–255 Follow