Event Lighting

DELUGEM800HF



Manufacturer	**Event Lighting**
Type	**Profile spot**
DMX modes	**4**
DMX footprint	**23, 32, 42 channels**
Beam angle	**4.5-50°**
Pan range	**540°**
Tilt range	**265°**
Size (W × H × D)	**270 × 477 × 251 mm**
GDTF fixture type	**AA8D723E-ED3D-4C4A-9DE1-8…**

Controls

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

Safety-relevant functions

Fixture reset

DMX modes

23ch Mode	23 ch
32F Mode	32 ch
32S Mode	32 ch
42ch Mode	42 ch

23ch Mode

23 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	X YSpeed	0	
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	0	0–254 7000 255–255 2700
10	C RIMode	0	0–127 CRI Filter In 128–255 CRI Filter Out
11	Color Wheel	116	0–5 Open (wheel slot 1) 6–115 Color Wheel Indexing 116–120 Open (wheel slot 1) 121–130 Red (wheel slot 2) 131–140 Blue (wheel slot 3) 141–150 Yellow (wheel slot 4) 151–160 Green (wheel slot 5) 161–170 Cyan (wheel slot 6) 171–192 Open (wheel slot 1) 193–223 From fast to slow 224–224 Stop 225–255 From slow to fast
12	Color Wheel Fine	116	Fine byte of Color Wheel
13	Iris	0	0–224 Large 225–225 Small 226–234 Slow 235–235 Fast 236–244 Slow 245–245 Fast 246–254 Slow 255–255 Fast
14	Iris Fine	0	Fine byte of Iris
15	Frost1	1	0–127 Open 128–255 Frost Max
16	Zoom	128	
17	Zoom Fine	128	Fine byte of Zoom
18	Focus	127	
19	Focus Fine	127	Fine byte of Focus
20	Shutter / Strobe	0	0–3 Shutter Open 4–99 Sync Strobe 100–149 Pulse Strobe 150–199 Flash Strobe 200–249 Random Strobe 250–255 Open
21	Dimmer	0	0–254 Close 255–255 Open
22	Dimmer Fine	0	Fine byte of Dimmer

23ch Mode (continued)

Ch	Function	Default	DMX values
23	Control1	0	0–5 No Function 6–10 Backlight On 11–15 Backlight Off 16–20 Pan Reverse On 21–25 Pan Reverse Off 26–30 Tilt Reverse On 31–35 Tilt Reverse Off 36–40 Blackout In Movement 41–45 Disable Function 46–50 Enable Function 51–55 Disable Function 56–60 Fan Full 61–65 Fan Auto 66–70 Fan Silent 71–75 Dimmer Curve Linear 76–80 Dimmer Curve Square 81–85 Dimmer Curve Inverse Square 86–90 Dimmer Curve S 91–95 LED Frequency 900Hz 96–100 LED Frequency 1200Hz 101–105 LED Frequency 2500Hz 106–110 LED Frequency 3600Hz 111–115 LED Frequency 5000Hz 116–120 LED Frequency 10KHz 121–125 LED Frequency 15KHz 126–130 LED Frequency 20KHz 131–135 LED Frequency 25KHz 136–145 No Function 146–150 Dimmer Speed Smooth 151–155 Dimmer Speed Fast 156–160 XY Reset 161–165 Effect Reset 166–170 Global Reset 171–255 No Function

32F Mode

32 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	X YSpeed	0	
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	0	0–254 7000 255–255 2700
10	C RIMode	0	0–127 CRI Filter In 128–255 CRI Filter Out

32F Mode (continued)

Ch	Function	Default	DMX values
11	Color Wheel	116	0–5 Open (wheel slot 1) 6–115 Color Wheel Indexing 116–120 Open (wheel slot 1) 121–130 Red (wheel slot 2) 131–140 Blue (wheel slot 3) 141–150 Yellow (wheel slot 4) 151–160 Green (wheel slot 5) 161–170 Cyan (wheel slot 6) 171–192 Open (wheel slot 1) 193–223 From fast to slow 224–224 Stop 225–255 From slow to fast
12	Color Wheel Fine	116	Fine byte of Color Wheel
13	Gobo	0	0–7 Open (wheel slot 1) 8–20 gobo1 (wheel slot 2) 21–33 gobo2 (wheel slot 3) 34–46 gobo3 (wheel slot 4) 47–59 gobo4 (wheel slot 5) 60–72 gobo5 (wheel slot 6) 73–85 gobo6 (wheel slot 7) 86–98 gobo7 (wheel slot 8) 99–111 GOBO 1 from slow to fast (wheel slot 2) 112–124 GOBO 2 from slow to fast (wheel slot 3) 125–137 GOBO 3 from slow to fast (wheel slot 4) 138–150 GOBO 4 from slow to fast (wheel slot 5) 151–163 GOBO 5 from slow to fast (wheel slot 6) 164–176 GOBO 6 from slow to fast (wheel slot 7) 177–189 GOBO 7 from slow to fast (wheel slot 8) 190–221 CCW Slow > Fast 222–223 Stop 224–255 CW Slow > Fast
14	Gobo Rotation	0	0–127 Lineary from 0 to 360 degree 128–189 CCW Fast > Slow 190–193 Stop 194–255 CW Slow > Fast
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
16	Gobo 2	0	0–5 Open (wheel slot 1) 6–16 gobo1 (wheel slot 2) 17–27 gobo2 (wheel slot 3) 28–38 gobo3 (wheel slot 4) 39–49 gobo4 (wheel slot 5) 50–60 gobo5 (wheel slot 6) 61–71 gobo6 (wheel slot 7) 72–82 gobo7 (wheel slot 8) 83–93 gobo8 (wheel slot 9) 94–105 GOBO 1 from slow to fast (wheel slot 2) 106–117 GOBO 2 from slow to fast (wheel slot 3) 118–129 GOBO 3 from slow to fast (wheel slot 4) 130–141 GOBO 4 from slow to fast (wheel slot 5) 142–153 GOBO 5 from slow to fast (wheel slot 6) 154–165 GOBO 6 from slow to fast (wheel slot 7) 166–177 GOBO 7 from slow to fast (wheel slot 8) 178–189 GOBO 8 from slow to fast (wheel slot 9) 190–221 CCW Fast > Slow 222–223 Stop 224–255 CW Slow > Fast
17	Animation Wheel1	255	0–7 Open 8–129 CCW Fast > Slow 130–133 Stop 134–255 CW Slow > Fast

32F Mode (continued)

Ch	Function	Default	DMX values
18	Iris	0	0–224 Large 225–225 Small 226–234 Slow 235–235 Fast 236–244 Slow 245–245 Fast 246–254 Slow 255–255 Fast
19	Iris Fine	0	Fine byte of Iris
20	Prism	0	0–7 Open (wheel slot 1) 8–255 4F Prism (wheel slot 2)
21	Prism Rotation	0	0–127 Lineary from 0 to 360 degree (wheel slot 2) 128–189 From fast to slow (wheel slot 2) 190–193 Stop (wheel slot 2) 194–255 From slow to fast (wheel slot 2)
22	Prism	0	0–7 Open (wheel slot 1) 8–255 4F Prism (wheel slot 2)
23	Prism Rotation	0	0–127 Lineary from 0 to 360 degree (wheel slot 2) 128–189 From fast to slow (wheel slot 2) 190–193 Stop (wheel slot 2) 194–255 From slow to fast (wheel slot 2)
24	Frost1	1	0–127 Open 128–255 Frost In
25	Zoom	128	
26	Zoom Fine	255	Fine byte of Zoom
27	Focus	127	
28	Focus Fine	255	Fine byte of Focus
29	Shutter1Strobe	63	0–1 Closed 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Open 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
30	Dimmer	0	0–254 Close 255–255 Open
31	Dimmer Fine	0	Fine byte of Dimmer

32F Mode (continued)

Ch	Function	Default	DMX values
32	Control1	0	0–5 No Function 6–10 Backlight On 11–15 Backlight Off 16–20 Pan Reverse On 21–25 Pan Reverse Off 26–30 Tilt Reverse On 31–35 Tilt Reverse Off 36–40 Blackout In Movement 41–45 Disable Function 46–50 Enable Function 51–55 Disable Function 56–60 Fan Full 61–65 Fan Auto 66–70 Fan Silent 71–75 Dimmer Curve Linear 76–80 Dimmer Curve Square 81–85 Dimmer Curve Inverse Square 86–90 Dimmer Curve S 91–95 LED Frequency 900Hz 96–100 LED Frequency 1200Hz 101–105 LED Frequency 2500Hz 106–110 LED Frequency 3600Hz 111–115 LED Frequency 5000Hz 116–120 LED Frequency 10KHz 121–125 LED Frequency 15KHz 126–130 LED Frequency 20KHz 131–135 LED Frequency 25KHz 136–145 No Function 146–150 Dimmer Speed Smooth 151–155 Dimmer Speed Fast 156–160 XY Reset 161–165 Effect Reset 166–170 Global Reset 171–255 No Function

32S Mode

32 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	X YSpeed	0	
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	0	0–254 7000 255–255 2700
10	C RIMode	0	0–127 CRI Filter In 128–255 CRI Filter Out

32S Mode (continued)

Ch	Function	Default	DMX values
11	Color Wheel	116	0–5 Open (wheel slot 1) 6–115 Color Wheel Indexing 116–120 Open (wheel slot 1) 121–130 Red (wheel slot 2) 131–140 Blue (wheel slot 3) 141–150 Yellow (wheel slot 4) 151–160 Green (wheel slot 5) 161–170 Cyan (wheel slot 6) 171–192 Open (wheel slot 1) 193–223 From fast to slow 224–224 Stop 225–255 From slow to fast
12	Color Wheel Fine	116	Fine byte of Color Wheel
13	Iris	0	0–224 Large 225–225 Small 226–234 Slow 235–235 Fast 236–244 Slow 245–245 Fast 246–254 Slow 255–255 Fast
14	Iris Fine	0	Fine byte of Iris
15	Frost1	1	0–127 Open 128–255 Frost
16	Zoom	128	
17	Zoom Fine	128	Fine byte of Zoom
18	Focus	127	
19	Focus Fine	127	Fine byte of Focus
20	Shutter / Strobe	63	0–1 Closed 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Open 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
21	Dimmer	0	0–254 Close 255–255 Open
22	Dimmer Fine	0	Fine byte of Dimmer
23	Shaper Rot	128	0–127 Left to Center 128–128 Center 129–255 Center To Right
24	Blade1A	0	0–254 Out 255–255 In
25	Blade1B	0	0–254 out 255–255 in
26	Blade2A	0	0–254 Out 255–255 In
27	Blade2B	0	0–254 out 255–255 in
28	Blade3A	0	0–254 Out 255–255 In
29	Blade3B	0	0–254 out 255–255 in

32S Mode (continued)

Ch	Function	Default	DMX values
30	Blade4A	0	0–254 Out 255–255 In
31	Blade4B	0	0–254 out 255–255 in
32	Control1	0	0–5 No Function 6–10 Backlight On 11–15 Backlight Off 16–20 Pan Reverse On 21–25 Pan Reverse Off 26–30 Tilt Reverse On 31–35 Tilt Reverse Off 36–40 Blackout In Movement 41–45 Disable Function 46–50 Enable Function 51–55 Disable Function 56–60 Fan Full 61–65 Fan Auto 66–70 Fan Silent 71–75 Dimmer Curve Linear 76–80 Dimmer Curve Square 81–85 Dimmer Curve Inverse Square 86–90 Dimmer Curve S 91–95 LED Frequency 900Hz 96–100 LED Frequency 1200Hz 101–105 LED Frequency 2500Hz 106–110 LED Frequency 3600Hz 111–115 LED Frequency 5000Hz 116–120 LED Frequency 10KHz 121–125 LED Frequency 15KHz 126–130 LED Frequency 20KHz 131–135 LED Frequency 25KHz 136–145 No Function 146–150 Dimmer Speed Smooth 151–155 Dimmer Speed Fast 156–160 XY Reset 161–165 Effect Reset 166–170 Global Reset 171–255 No Function

42ch Mode

42 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	X YSpeed	0	
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	0	0–254 7000 255–255 2700
10	C RIMode	0	0–127 CRI Filter In 128–255 CRI Filter Out

42ch Mode (continued)

Ch	Function	Default	DMX values
11	Color Wheel	116	0–5 Open (wheel slot 1) 6–115 Color Wheel Indexing 116–120 Open (wheel slot 1) 121–130 Red (wheel slot 2) 131–140 Blue (wheel slot 3) 141–150 Yellow (wheel slot 4) 151–160 Green (wheel slot 5) 161–170 Cyan (wheel slot 6) 171–192 Open (wheel slot 1) 193–223 From fast to slow 224–224 Stop 225–255 From slow to fast
12	Color Wheel Fine	116	Fine byte of Color Wheel
13	Gobo	0	0–7 Open (wheel slot 1) 8–20 gobo1 (wheel slot 2) 21–33 gobo2 (wheel slot 3) 34–46 gobo3 (wheel slot 4) 47–59 gobo4 (wheel slot 5) 60–72 gobo5 (wheel slot 6) 73–85 gobo6 (wheel slot 7) 86–98 gobo7 (wheel slot 8) 99–111 GOBO 1 from slow to fast (wheel slot 2) 112–124 GOBO 2 from slow to fast (wheel slot 3) 125–137 GOBO 3 from slow to fast (wheel slot 4) 138–150 GOBO 4 from slow to fast (wheel slot 5) 151–163 GOBO 5 from slow to fast (wheel slot 6) 164–176 GOBO 6 from slow to fast (wheel slot 7) 177–189 GOBO 7 from slow to fast (wheel slot 8) 190–221 CCW Slow > Fast 222–223 Stop 224–255 CW Slow > Fast
14	Gobo Rotation	0	0–127 Lineary from 0 to 360 degree 128–189 CCW Fast > Slow 190–193 Stop 194–255 CW Slow > Fast
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
16	Gobo 2	0	0–5 Open (wheel slot 1) 6–16 gobo1 (wheel slot 2) 17–27 gobo2 (wheel slot 3) 28–38 gobo3 (wheel slot 4) 39–49 gobo4 (wheel slot 5) 50–60 gobo5 (wheel slot 6) 61–71 gobo6 (wheel slot 7) 72–82 gobo7 (wheel slot 8) 83–93 gobo8 (wheel slot 9) 94–105 GOBO 1 from slow to fast (wheel slot 2) 106–117 GOBO 2 from slow to fast (wheel slot 3) 118–129 GOBO 3 from slow to fast (wheel slot 4) 130–141 GOBO 4 from slow to fast (wheel slot 5) 142–153 GOBO 5 from slow to fast (wheel slot 6) 154–165 GOBO 6 from slow to fast (wheel slot 7) 166–177 GOBO 7 from slow to fast (wheel slot 8) 178–189 GOBO 8 from slow to fast (wheel slot 9) 190–221 CCW Fast > Slow 222–223 Stop 224–255 CW Slow > Fast
17	Animation Wheel1	255	0–7 Open 8–129 CCW Fast > Slow 130–133 Stop 134–255 CW Slow > Fast

42ch Mode (continued)

Ch	Function	Default	DMX values
18	Iris	0	0–224 Large 225–225 Small 226–234 Slow 235–235 Fast 236–244 Slow 245–245 Fast 246–254 Slow 255–255 Fast
19	Iris Fine	0	Fine byte of Iris
20	Prism	0	0–7 Open (wheel slot 1) 8–255 4F Prism (wheel slot 2)
21	Prism Rotation	0	0–127 Lineary from 0 to 360 degree (wheel slot 2) 128–189 From fast to slow (wheel slot 2) 190–193 Stop (wheel slot 2) 194–255 From slow to fast (wheel slot 2)
22	Prism	0	0–7 Open (wheel slot 1) 8–255 4F Prism (wheel slot 2)
23	Prism Rotation	0	0–127 Lineary from 0 to 360 degree (wheel slot 2) 128–189 From fast to slow (wheel slot 2) 190–193 Stop (wheel slot 2) 194–255 From slow to fast (wheel slot 2)
24	Frost1	1	0–127 Open 128–255 Frost In
25	Zoom	128	
26	Zoom Fine	255	Fine byte of Zoom
27	Focus	127	
28	Focus Fine	255	Fine byte of Focus
29	Shutter1Strobe	63	0–1 Closed 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Open 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
30	Dimmer	0	0–254 Close 255–255 Open
31	Dimmer Fine	0	Fine byte of Dimmer
32	Blade1Rot	128	0–127 Left to Center 128–128 Center 129–255 Center To Right
33	Blade1Rot Fine	128	Fine byte of Blade1Rot
34	Blade1A	0	0–254 Out 255–255 In
35	Blade1B	0	0–254 out 255–255 in
36	Blade2A	0	0–254 Out 255–255 In
37	Blade2B	0	0–254 out 255–255 in
38	Blade3A	0	0–254 Out 255–255 In
39	Blade3B	0	0–254 out 255–255 in

42ch Mode (continued)

Ch	Function	Default	DMX values
40	Blade4A	0	0–254 Out 255–255 In
41	Blade4B	0	0–254 out 255–255 in
42	Control1	0	0–5 No Function 6–10 Backlight On 11–15 Backlight Off 16–20 Pan Reverse On 21–25 Pan Reverse Off 26–30 Tilt Reverse On 31–35 Tilt Reverse Off 36–40 Blackout In Movement 41–45 Disable Function 46–50 Enable Function 51–55 Disable Function 56–60 Fan Full 61–65 Fan Auto 66–70 Fan Silent 71–75 Dimmer Curve Linear 76–80 Dimmer Curve Square 81–85 Dimmer Curve Inverse Square 86–90 Dimmer Curve S 91–95 LED Frequency 900Hz 96–100 LED Frequency 1200Hz 101–105 LED Frequency 2500Hz 106–110 LED Frequency 3600Hz 111–115 LED Frequency 5000Hz 116–120 LED Frequency 10KHz 121–125 LED Frequency 15KHz 126–130 LED Frequency 20KHz 131–135 LED Frequency 25KHz 136–145 No Function 146–150 Dimmer Speed Smooth 151–155 Dimmer Speed Fast 156–160 XY Reset 161–165 Effect Reset 166–170 Global Reset 171–255 No Function