Lumen

LM-550BSW



Manufacturer	**Lumen**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**28, 31 channels**
Beam angle	**25°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**240 × 450 × 220 mm**
GDTF fixture type	**02D8105E-F8C1-4842-8B44-B3…**

Controls

Focus · Frost · Prism · Prism rotation · Zoom · Extra LED colours · Colour wheel · Dimmer · Gobos · Gobo rotation

Safety-relevant functions

Lamp on and off · Fixture reset

DMX modes

22CH	28 ch
31CH	31 ch

22CH

28 channels

Ch	Function	Default	DMX values
1	Color Add C	0	
2	Color Add M	0	
3	Color Add Y	0	
4	Color Wheel	0	0–46 open (wheel slot 1) 47–92 color 1 (wheel slot 2) 93–139 color 2 (wheel slot 3) 140–185 color 3 (wheel slot 4) 186–231 color 4 (wheel slot 5) 232–255 color 5 (wheel slot 6)
5	Color Wheel 2	0	0–46 open (wheel slot 1) 47–92 color 1 (wheel slot 2) 93–139 color 2 (wheel slot 3) 140–185 color 3 (wheel slot 4) 186–231 color 4 (wheel slot 5) 232–255 color 5 (wheel slot 6)
6	Color3	0	0–46 open (wheel slot 1) 47–92 color 1 (wheel slot 2) 93–139 color 2 (wheel slot 3) 140–185 color 3 (wheel slot 4) 186–231 color 4 (wheel slot 5) 232–255 color 5 (wheel slot 6)
7	Shutter1Strobe	252	0–3 close 4–102 Strobe min 103–103 Strobe max 104–107 open 108–206 Pulse min 207–207 Pulse max 208–212 open2 213–250 Random min 251–251 Random max 252–255 open2
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer

22CH (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–3 Wheel Slot 1 (wheel slot 1) 4–6 Wheel Slot 2 (wheel slot 2) 7–10 Wheel Slot 3 (wheel slot 3) 11–13 Wheel Slot 4 (wheel slot 4) 14–17 Wheel Slot 5 (wheel slot 5) 18–20 Wheel Slot 6 (wheel slot 6) 21–24 Wheel Slot 7 (wheel slot 7) 25–28 Wheel Slot 8 (wheel slot 8) 29–31 Wheel Slot 9 (wheel slot 9) 32–35 Wheel Slot 10 (wheel slot 10) 36–38 Wheel Slot 11 (wheel slot 11) 39–42 Wheel Slot 12 (wheel slot 12) 43–46 Wheel Slot 13 (wheel slot 13) 47–49 Wheel Slot 14 (wheel slot 14) 50–53 Wheel Slot 15 (wheel slot 15) 54–56 Wheel Slot 16 (wheel slot 16) 57–60 Wheel Slot 17 (wheel slot 17) 61–63 Wheel Slot 18 (wheel slot 18) 64–67 Wheel Slot 19 (wheel slot 19) 68–70 << 71–71 << 72–113 stop 114–116 >> 117–117 >>> 118–159 Wheel Slot 2 (wheel slot 2) 160–165 Wheel Slot 3 (wheel slot 3) 166–170 Wheel Slot 4 (wheel slot 4) 171–175 Wheel Slot 5 (wheel slot 5) 176–181 Wheel Slot 6 (wheel slot 6) 182–186 Wheel Slot 7 (wheel slot 7) 187–191 Wheel Slot 8 (wheel slot 8) 192–196 Wheel Slot 9 (wheel slot 9) 197–202 Wheel Slot 10 (wheel slot 10) 203–207 Wheel Slot 11 (wheel slot 11) 208–212 Wheel Slot 12 (wheel slot 12) 213–218 Wheel Slot 13 (wheel slot 13) 219–223 Wheel Slot 14 (wheel slot 14) 224–228 Wheel Slot 15 (wheel slot 15) 229–233 Wheel Slot 16 (wheel slot 16) 234–239 Wheel Slot 17 (wheel slot 17) 240–249 Wheel Slot 18 (wheel slot 18) 250–255 Wheel Slot 19 (wheel slot 19)

22CH (continued)

Ch	Function	Default	DMX values
11	Gobo 2	0	0–7 Wheel Slot 1 (wheel slot 1) 8–15 Wheel Slot 2 (wheel slot 2) 16–23 Wheel Slot 3 (wheel slot 3) 24–31 Wheel Slot 4 (wheel slot 4) 32–39 Wheel Slot 5 (wheel slot 5) 40–47 Wheel Slot 6 (wheel slot 6) 48–55 Wheel Slot 7 (wheel slot 7) 56–63 Wheel Slot 8 (wheel slot 8) 64–71 Wheel Slot 9 (wheel slot 9) 72–112 >>> 113–113 >> 114–117 stop 118–158 << 159–159 << 160–171 Wheel Slot 2 (wheel slot 2) 172–183 Wheel Slot 3 (wheel slot 3) 184–195 Wheel Slot 4 (wheel slot 4) 196–207 Wheel Slot 5 (wheel slot 5) 208–219 Wheel Slot 6 (wheel slot 6) 220–231 Wheel Slot 7 (wheel slot 7) 232–243 Wheel Slot 8 (wheel slot 8) 244–255 Wheel Slot 9 (wheel slot 9)
12	Gobo Rotation	128	0–127 min 128–189 max 190–190 >> 191–192 stop 193–254 << 255–255 <<<
13	Gobo Rotation Fine	1	Fine byte of Gobo Rotation
14	Prism	0	0–127 open (wheel slot 1) 128–255 prism 1 (wheel slot 2)
15	Prism Rotation	128	0–126 min 127–127 max 128–189 >>> 190–190 >> 191–192 stop 193–254 << 255–255 <<<
16	Prism	0	0–127 open (wheel slot 1) 128–255 prism2 (wheel slot 2)
17	Prism Rotation	128	0–126 min 127–127 max 128–189 >>> 190–190 >> 191–192 stop 193–254 << 255–255 <<<
18	Frost1	0	0–254 open 255–255 Frost
19	Zoom	0	
20	Focus	0	
21	Focus Fine	0	Fine byte of Focus
22	Pan	128	0–127 MIN 128–254 Home 255–255 MAX
23	Pan Fine	0	Fine byte of Pan

22CH (continued)

Ch	Function	Default	DMX values
24	Tilt	128	0–127 MIN 128–254 Home 255–255 MAX
25	Tilt Fine	0	Fine byte of Tilt
26	Global MSpeed	0	
27	Fixture Global Reset	0	0–25 safe 26–76 reset 77–127 PTRESET 128–255 ALL RESET
28	Lamp Control	0	0–25 SAFE 26–100 LAMP OFF 101–255 LAMP ON

31CH

31 channels

Ch	Function	Default	DMX values
1	Color Add C	0	
2	Color Add M	0	
3	Color Add Y	0	
4	Color Wheel	0	0–46 open (wheel slot 1) 47–92 color 1 (wheel slot 2) 93–139 color 2 (wheel slot 3) 140–185 color 3 (wheel slot 4) 186–231 color 4 (wheel slot 5) 232–255 color 5 (wheel slot 6)
5	Color Wheel 2	0	0–46 open (wheel slot 1) 47–92 color 1 (wheel slot 2) 93–139 color 2 (wheel slot 3) 140–185 color 3 (wheel slot 4) 186–231 color 4 (wheel slot 5) 232–255 color 5 (wheel slot 6)
6	Color3	0	0–46 open (wheel slot 1) 47–92 color 1 (wheel slot 2) 93–139 color 2 (wheel slot 3) 140–185 color 3 (wheel slot 4) 186–231 color 4 (wheel slot 5) 232–255 color 5 (wheel slot 6)
7	Shutter1Strobe	252	0–3 close 4–102 Strobe min 103–103 Strobe max 104–107 open 108–206 Pulse min 207–207 Pulse max 208–212 open2 213–250 Random min 251–251 Random max 252–255 open2
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer

31CH (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–3 Wheel Slot 1 (wheel slot 1) 4–6 Wheel Slot 2 (wheel slot 2) 7–10 Wheel Slot 3 (wheel slot 3) 11–13 Wheel Slot 4 (wheel slot 4) 14–17 Wheel Slot 5 (wheel slot 5) 18–20 Wheel Slot 6 (wheel slot 6) 21–24 Wheel Slot 7 (wheel slot 7) 25–28 Wheel Slot 8 (wheel slot 8) 29–31 Wheel Slot 9 (wheel slot 9) 32–35 Wheel Slot 10 (wheel slot 10) 36–38 Wheel Slot 11 (wheel slot 11) 39–42 Wheel Slot 12 (wheel slot 12) 43–46 Wheel Slot 13 (wheel slot 13) 47–49 Wheel Slot 14 (wheel slot 14) 50–53 Wheel Slot 15 (wheel slot 15) 54–56 Wheel Slot 16 (wheel slot 16) 57–60 Wheel Slot 17 (wheel slot 17) 61–63 Wheel Slot 18 (wheel slot 18) 64–67 Wheel Slot 19 (wheel slot 19) 68–70 << 71–71 < 72–113 stop 114–116 >> 117–117 >>> 118–159 Wheel Slot 2 (wheel slot 2) 160–165 Wheel Slot 3 (wheel slot 3) 166–170 Wheel Slot 4 (wheel slot 4) 171–175 Wheel Slot 5 (wheel slot 5) 176–181 Wheel Slot 6 (wheel slot 6) 182–186 Wheel Slot 7 (wheel slot 7) 187–191 Wheel Slot 8 (wheel slot 8) 192–196 Wheel Slot 9 (wheel slot 9) 197–202 Wheel Slot 10 (wheel slot 10) 203–207 Wheel Slot 11 (wheel slot 11) 208–212 Wheel Slot 12 (wheel slot 12) 213–218 Wheel Slot 13 (wheel slot 13) 219–223 Wheel Slot 14 (wheel slot 14) 224–228 Wheel Slot 15 (wheel slot 15) 229–233 Wheel Slot 16 (wheel slot 16) 234–239 Wheel Slot 17 (wheel slot 17) 240–249 Wheel Slot 18 (wheel slot 18) 250–255 Wheel Slot 19 (wheel slot 19)
11	Animation System1	0	
12	Animation Wheel1Select Spin	0	

31CH (continued)

Ch	Function	Default	DMX values
13	Gobo 2	0	0–7 Wheel Slot 1 (wheel slot 1) 8–15 Wheel Slot 2 (wheel slot 2) 16–23 Wheel Slot 3 (wheel slot 3) 24–31 Wheel Slot 4 (wheel slot 4) 32–39 Wheel Slot 5 (wheel slot 5) 40–47 Wheel Slot 6 (wheel slot 6) 48–55 Wheel Slot 7 (wheel slot 7) 56–63 Wheel Slot 8 (wheel slot 8) 64–71 Wheel Slot 9 (wheel slot 9) 72–112 >>> 113–113 >> 114–117 stop 118–158 << 159–159 << 160–171 Wheel Slot 2 (wheel slot 2) 172–183 Wheel Slot 3 (wheel slot 3) 184–195 Wheel Slot 4 (wheel slot 4) 196–207 Wheel Slot 5 (wheel slot 5) 208–219 Wheel Slot 6 (wheel slot 6) 220–231 Wheel Slot 7 (wheel slot 7) 232–243 Wheel Slot 8 (wheel slot 8) 244–255 Wheel Slot 9 (wheel slot 9)
14	Gobo Rotation	128	0–127 min 128–189 max 190–190 >> 191–192 stop 193–254 << 255–255 <<<
15	Gobo Rotation Fine	1	Fine byte of Gobo Rotation
16	Prism	0	0–127 open (wheel slot 1) 128–255 prism 1 (wheel slot 2)
17	Prism Rotation	128	0–126 min 127–127 max 128–189 >>> 190–190 >> 191–192 stop 193–254 << 255–255 <<<
18	Prism	0	0–127 open (wheel slot 1) 128–255 prism2 (wheel slot 2)
19	Prism Rotation	128	0–126 min 127–127 max 128–189 >>> 190–190 >> 191–192 stop 193–254 << 255–255 <<<
20	Frost1	0	0–254 open 255–255 Frost
21	Zoom	0	
22	Focus	0	
23	Focus Fine	0	Fine byte of Focus
24	Follow Spot Mode	0	
25	Pan	128	0–127 MIN 128–254 Home 255–255 MAX
26	Pan Fine	0	Fine byte of Pan

31CH (continued)

Ch	Function	Default	DMX values
27	Tilt	128	0–127 MIN 128–254 Home 255–255 MAX
28	Tilt Fine	0	Fine byte of Tilt
29	Global MSpeed	0	
30	Fixture Global Reset	0	0–25 safe 26–76 reset 77–127 PTRESET 128–255 ALL RESET
31	Lamp Control	0	0–25 SAFE 26–100 LAMP OFF 101–255 LAMP ON