HarmanyLX

Bee Eye Moving Head Wash 1940B



Manufacturer	**HarmanyLX**
Type	**Profile spot**
DMX modes	**5**
DMX footprint	**21, 23, 35, 78, 92 channels**
Beam angle	**4-50°**
Pan range	**540°**
Tilt range	**210°**
Heads / cells	**21**
Size (W × H × D)	**281 × 220 × 281 mm**
GDTF fixture type	**3CB1D1AE-E7C1-4CA8-B2DF-C…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

Safety-relevant functions

Fixture reset

DMX modes

Model 1 - CH21	21 ch
Model 2 - CH23	23 ch
Model 3 - CH35	35 ch
Model 4 - CH 78	78 ch
Model 5 - CH 92	92 ch

Model 1 - CH21

21 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	White	255	
8	White Fine	255	Fine byte of White
9	C TO	0	0–9 No CTO 10–53 8000K 54–98 7000K 99–116 6000K 117–143 5600K 144–187 5000K 188–223 4000K 224–254 3200K 255–255 2500K
10	Color Macro1	0	
11	Shutter / Strobe	0	0–3 Open 4–39 Strobe · x1 Strb>> 1–5.22 Hz 40–99 Strobe · x2 Strb>> 5.34–12.5 Hz 100–149 Strobe · x3 Strb>> 12.6–18.5 Hz 150–179 Strobe · x4 Strb>> 18.6–22.1 Hz 180–203 Strobe · x5 Strb>> 22.2–25 Hz 213–220 Random · x1 RndStrb>> 5.24–8.53 Hz 221–228 Random · x2 RndStrb>> 9–12.3 Hz 229–235 Random · x3 RndStrb>> 12.8–15.6 Hz 236–243 Random · x4 RndStrb>> 16.1–19.4 Hz 244–255 Random · x5 RndStrb>> 19.8–25 Hz
12	Dimmer	0	0–254 Closed 255–255 Open
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	0	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	0	Fine byte of Tilt
18	Dimmer Mode	0	0–49 Mode 1 50–99 Mode 2 100–149 Mode 3 150–255 Mode 4
19	Fixture Global Reset	0	0–250 No Function 251–255 Reset
20	Zoom	0	0–254 Narrow 255–255 Wide
21	Zoom Pos	0	0–31 0 deg 32–63 15 deg 64–95 30 deg 96–154 45 deg 155–155 60 deg 156–205 Clockwise Zoom Rotation>> 206–255 Counterclockwise Zoom Rotation<<

Model 2 - CH23

23 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–254 Fast 255–255 Slow
6	Zoom	0	0–254 Narrow 255–255 Wide
7	Zoom Pos	0	0–31 0 deg 32–63 15 deg 64–95 30 deg 96–154 45 deg 155–155 60 deg 156–205 Clockwise Zoom Rotation>> 206–255 Counterclockwise Zoom Rotation<<
8	Dimmer	0	0–254 Closed 255–255 Open
9	Shutter / Strobe	0	0–3 Open 4–39 Strobe · x1 Strb>> 1–5.22 Hz 40–99 Strobe · x2 Strb>> 5.34–12.5 Hz 100–149 Strobe · x3 Strb>> 12.6–18.5 Hz 150–179 Strobe · x4 Strb>> 18.6–22.1 Hz 180–203 Strobe · x5 Strb>> 22.2–25 Hz 213–220 Random · x1 RndStrb>> 5.24–8.53 Hz 221–228 Random · x2 RndStrb>> 9–12.3 Hz 229–235 Random · x3 RndStrb>> 12.8–15.6 Hz 236–243 Random · x4 RndStrb>> 16.1–19.4 Hz 244–255 Random · x5 RndStrb>> 19.8–25 Hz
10	Red	255	
11	Green	255	
12	Blue	255	
13	White	255	
14	C TO	0	0–9 No CTO 10–53 8000K 54–98 7000K 99–116 6000K 117–143 5600K 144–187 5000K 188–223 4000K 224–254 3200K 255–255 2500K
15	Color Macro1	0	
16	Shaper Macros	0	0–9 No 10–209 Monochrome Pattern 210–255 Mixed Colour Pattern

Model 2 - CH23 (continued)

Ch	Function	Default	DMX values
17	Shape Selection	0	0–9 Shape OFF 10–14 Pixel 1 15–19 Ring 1 20–24 Ring 2 25–29 No Shape 30–34 Pixel1 + Ring1 35–39 Pixel1 + Ring2 40–44 No Shape 45–49 Single Ring 50–54 Filled Ring2 55–59 Open/Close 1 60–64 Open/Close 2 65–69 Rnd Pixels 1 70–74 Rnd Pixels 2 75–79 Rainbow 1 80–84 Rainbow 2 85–89 Fan 90–94 Bar 1 95–99 Half Moon 100–104 Triangle 105–109 Segment 1 110–114 Arc 1 115–119 Arc 2 120–124 Bar 2 125–129 Rnd Explotion 130–134 Segment 2 135–144 No Shape 145–149 Bumping Sel 150–154 Ramp x6 155–159 Ramp x4 160–164 LR Scrolling Bar 165–169 UD Scrolling Bar 170–174 Bar 3 175–179 No Shape 180–184 V Arc 2 185–189 No Shape 190–194 H Arc 2 195–199 Mirrored Pixel 200–204 Pixel Anim 1 205–209 Pixel Anim 2 210–214 Pixel Anim 3 215–219 Pixel Anim 4 220–224 Pixel Anim 5 225–255 Semi Arc
18	Shape Speed	160	0–9 No 64–82 x5 Speed<< 83–101 x4 Speed<< 102–120 x3 Speed<< 121–139 x2 Speed<< 140–158 x1 Speed<< 159–160 Speed>< 161–179 x1 Speed>> 180–198 x2 Speed>> 199–217 x3 Speed>> 218–236 x4 Speed>> 237–255 x5 Speed>>
19	Red	255	
20	Green	255	
21	Blue	255	
22	White	255	

Model 2 - CH23 (continued)

Ch	Function	Default	DMX values
23	Fixture Global Reset	0	0–250 No Function 251–255 Reset

Model 3 - CH35

35 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	White	255	
8	White Fine	255	Fine byte of White
9	C TO	0	0–15 No CTO 16–35 R100% - G UP - B0% (wheel slot 1) 36–55 R DOWM - G100% - B0% (wheel slot 2) 56–75 R0% - G100% - B UP (wheel slot 3) 76–95 R0% - G DOWM - B100% (wheel slot 4) 96–115 R UP - G0% - B100% (wheel slot 5) 116–135 R100% - G0% - B DOWM (wheel slot 6) 136–155 R100% - G UP - B UP (wheel slot 7) 156–175 R DOWM - G DOWM - B 100% (wheel slot 8) 176–195 R100%- G100%- B100%- W100% (wheel slot 9) 196–200 2800K 201–205 3200K 206–210 3500K 211–215 4000K 216–220 4500K 221–225 5000K 226–230 5500K 231–235 6000K 236–240 6500K 241–245 7000K 246–250 7500K 251–255 8000K
10	Color Macro1	0	
11	Shutter / Strobe	0	0–3 Open 4–39 Strobe · x1 Strb>> 0–4.4 Hz 40–99 Strobe · x2 Strb>> 4.52–11.9 Hz 100–149 Strobe · x3 Strb>> 12.1–18.2 Hz 150–179 Strobe · x4 Strb>> 18.3–22 Hz 180–203 Strobe · x5 Strb>> 22.1–25 Hz 204–220 Random · x1 RndStrb>> 1–8.53 Hz 221–228 Random · x2 RndStrb>> 9–12.3 Hz 229–235 Random · x3 RndStrb>> 12.8–15.6 Hz 236–243 Random · x4 RndStrb>> 16.1–19.4 Hz 244–255 Random · x5 RndStrb>> 19.8–25 Hz
12	Dimmer	0	0–254 Closed 255–255 Open
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	0	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	0	Fine byte of Tilt

Model 3 - CH35 (continued)

Ch	Function	Default	DMX values
18	Dimmer Mode	0	0–49 Mode 1 50–99 Mode 2 100–149 Mode 3 150–255 Mode 4
19	Fixture Global Reset	0	0–250 No Function 251–255 Reset
20	Zoom	0	0–126 Narrow 127–254 50% 255–255 Wide
21	Zoom Pos	0	0–31 0 deg 32–63 15 deg 64–95 30 deg 96–154 45 deg 155–155 60 deg 156–205 Clockwise Zoom Rotation>> 206–255 Counterclockwise Zoom Rotation<<
22	Shape Selection	0	0–9 Shape OFF 10–14 Pixel 1 15–19 Ring 1 20–24 Ring 2 25–29 No Shape 30–34 Pixel1 + Ring1 35–39 Pixel1 + Ring2 40–44 No Shape 45–49 Single Ring 50–54 Filled Ring2 55–59 Open/Close 1 60–64 Open/Close 2 65–69 Rnd Pixels 1 70–74 Rnd Pixels 2 75–79 Rainbow 1 80–84 Rainbow 2 85–89 Fan 90–94 Bar 1 95–99 Half Moon 100–104 Triangle 105–109 Segment 1 110–114 Arc 1 115–119 Arc 2 120–124 Bar 2 125–129 Rnd Explotion 130–134 Segment 2 135–144 No Shape 145–149 Bumping Sel 150–154 Ramp x6 155–159 Ramp x4 160–164 LR Scrolling Bar 165–169 UD Scrolling Bar 170–174 Bar 3 175–179 No Shape 180–184 V Arc 2 185–189 No Shape 190–194 H Arc 2 195–199 Mirrored Pixel 200–204 Pixel Anim 1 205–209 Pixel Anim 2 210–214 Pixel Anim 3 215–219 Pixel Anim 4 220–224 Pixel Anim 5 225–255 Semi Arc

Model 3 - CH35 (continued)

Ch	Function	Default	DMX values
23	Shape Speed	0	0–9 No Spin 10–132 Forward>> 133–255 Backward<<
24	Shape Fade	16	0–15 Snap 16–53 Gamma 050 54–91 Gamma 075 92–129 Gamma 100 130–167 Gamma 125 168–206 Gamma 150 207–244 Gamma 175 245–245 Gamma 200 246–255 Gamma Auto
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	255	
29	Dimmer	0	
30	Dimmer	0	
31	Shape Transition	0	0–4 No Fade 5–72 100 ms 73–112 500 ms 113–170 1s 171–215 2s 216–254 3s 255–255 4s
32	Shape Offset	0	
33	Shutter1Strobe	0	0–254 Slow 255–255 Fast
34	Shutter1Strobe	0	0–254 Slow 255–255 Fast

Model 3 - CH35 (continued)

Ch	Function	Default	DMX values
35	Shape Selection	0	0–9 Shape OFF 10–14 Pixel 1 15–19 Ring 1 20–24 Ring 2 25–29 No Shape 30–34 Pixel1 + Ring1 35–39 Pixel1 + Ring2 40–44 No Shape 45–49 Single Ring 50–54 Filled Ring2 55–59 Open/Close 1 60–64 Open/Close 2 65–69 Rnd Pixels 1 70–74 Rnd Pixels 2 75–79 Rainbow 1 80–84 Rainbow 2 85–89 Fan 90–94 Bar 1 95–99 Half Moon 100–104 Triangle 105–109 Segment 1 110–114 Arc 1 115–119 Arc 2 120–124 Bar 2 125–129 Rnd Explotion 130–134 Segment 2 135–144 No Shape 145–149 Bumping Sel 150–154 Ramp x6 155–159 Ramp x4 160–164 LR Scrolling Bar 165–169 UD Scrolling Bar 170–174 Bar 3 175–179 No Shape 180–184 V Arc 2 185–189 No Shape 190–194 H Arc 2 195–199 Mirrored Pixel 200–204 Pixel Anim 1 205–209 Pixel Anim 2 210–214 Pixel Anim 3 215–219 Pixel Anim 4 220–224 Pixel Anim 5 225–255 Semi Arc

Model 4 - CH 78

78 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	White	255	
8	White Fine	255	Fine byte of White
9	C TO	196	
10	Color Macro1	0	

Model 4 - CH 78 (continued)

Ch	Function	Default	DMX values
11	Shutter / Strobe	0	0–3 Open 4–39 Strobe · x1 Strb>> 0–4.4 Hz 40–99 Strobe · x2 Strb>> 4.52–11.9 Hz 100–149 Strobe · x3 Strb>> 12.1–18.2 Hz 150–179 Strobe · x4 Strb>> 18.3–22 Hz 180–203 Strobe · x5 Strb>> 22.1–25 Hz 204–220 Random · x1 RndStrb>> 1–8.53 Hz 221–228 Random · x2 RndStrb>> 9–12.3 Hz 229–235 Random · x3 RndStrb>> 12.8–15.6 Hz 236–243 Random · x4 RndStrb>> 16.1–19.4 Hz 244–255 Random · x5 RndStrb>> 19.8–25 Hz
12	Dimmer	0	
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	0	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	0	Fine byte of Tilt
18	Dimmer Mode	0	
19	Fixture Global Reset	0	
20	Zoom	0	
21	Zoom Pos	0	
22	Red	0	
23	Green	0	
24	Blue	0	
25	Red	0	
26	Green	0	
27	Blue	0	
28	Red	0	
29	Green	0	
30	Blue	0	
31	Red	0	
32	Green	0	
33	Blue	0	
34	Red	0	
35	Green	0	
36	Blue	0	
37	Red	0	
38	Green	0	
39	Blue	0	
40	Red	0	
41	Green	0	
42	Blue	0	
43	Red	0	
44	Green	0	
45	Blue	0	
46	Red	0	
47	Green	0	
48	Blue	0	

Model 4 - CH 78 (continued)

Ch	Function	Default	DMX values
49	Red	0	
50	Green	0	
51	Blue	0	
52	Red	0	
53	Green	0	
54	Blue	0	
55	Red	0	
56	Green	0	
57	Blue	0	
58	Red	0	
59	Green	0	
60	Blue	0	
61	Red	0	
62	Green	0	
63	Blue	0	
64	Red	0	
65	Green	0	
66	Blue	0	
67	Red	0	
68	Green	0	
69	Blue	0	
70	Red	0	
71	Green	0	
72	Blue	0	
73	Red	0	
74	Green	0	
75	Blue	0	
76	Red	0	
77	Green	0	
78	Blue	0	

Model 5 - CH 92

92 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	White	255	
8	White Fine	255	Fine byte of White
9	C TO	0	
10	Color Macro1	0	

Model 5 - CH 92 (continued)

Ch	Function	Default	DMX values
11	Shutter / Strobe	0	0–3 Open 4–39 Strobe · x1 Strb>> 0–4.4 Hz 40–99 Strobe · x2 Strb>> 4.52–11.9 Hz 100–149 Strobe · x3 Strb>> 12.1–18.2 Hz 150–179 Strobe · x4 Strb>> 18.3–22 Hz 180–203 Strobe · x5 Strb>> 22.1–25 Hz 204–220 Random · x1 RndStrb>> 1–8.53 Hz 221–228 Random · x2 RndStrb>> 9–12.3 Hz 229–235 Random · x3 RndStrb>> 12.8–15.6 Hz 236–243 Random · x4 RndStrb>> 16.1–19.4 Hz 244–255 Random · x5 RndStrb>> 19.8–25 Hz
12	Dimmer	0	
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	0	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	0	Fine byte of Tilt
18	Dimmer Mode	0	
19	Fixture Global Reset	0	
20	Zoom	0	
21	Zoom Pos	0	
22	Shape Selection	0	
23	Shape Speed	0	
24	Shape Fade	16	
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	255	
29	Dimmer	0	
30	Dimmer	0	
31	Shape Transition	0	
32	Shape Offset	0	
33	Shutter1Strobe	0	
34	Shutter1Strobe	0	
35	Shape Selection	0	
36	Red	0	
37	Green	0	
38	Blue	0	
39	Red	0	
40	Green	0	
41	Blue	0	
42	Red	0	
43	Green	0	
44	Blue	0	
45	Red	0	
46	Green	0	
47	Blue	0	
48	Red	0	

Model 5 - CH 92 (continued)

Ch	Function	Default	DMX values
49	Green	0	
50	Blue	0	
51	Red	0	
52	Green	0	
53	Blue	0	
54	Red	0	
55	Green	0	
56	Blue	0	
57	Red	0	
58	Green	0	
59	Blue	0	
60	Red	0	
61	Green	0	
62	Blue	0	
63	Red	0	
64	Green	0	
65	Blue	0	
66	Red	0	
67	Green	0	
68	Blue	0	
69	Red	0	
70	Green	0	
71	Blue	0	
72	Red	0	
73	Green	0	
74	Blue	0	
75	Red	0	
76	Green	0	
77	Blue	0	
78	Red	0	
79	Green	0	
80	Blue	0	
81	Red	0	
82	Green	0	
83	Blue	0	
84	Red	0	
85	Green	0	
86	Blue	0	
87	Red	0	
88	Green	0	
89	Blue	0	
90	Red	0	
91	Green	0	
92	Blue	0	