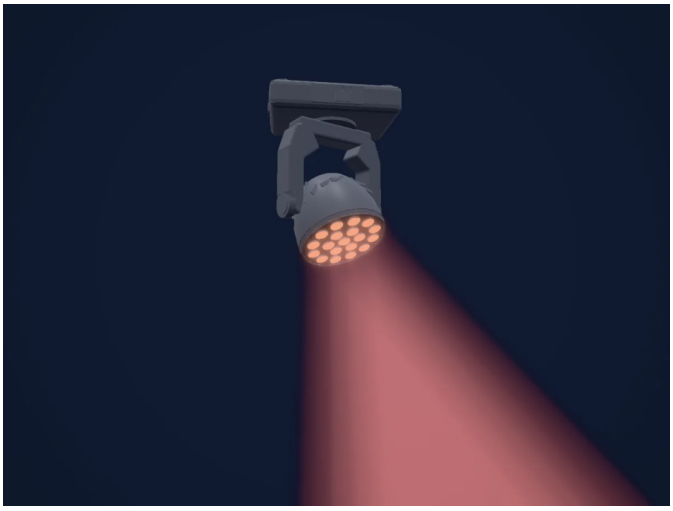
Stairville

MH-z1915



Manufacturer	**Stairville**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**14, 34 channels**
Beam angle	**10-60°**
Pan range	**540°**
Tilt range	**270°**
Heads / cells	**5**
Size (W × H × D)	**300 × 300 × 200 mm**
GDTF fixture type	**3858AF51-752C-5355-A19C-F7…**

Controls

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

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

14CH provisional	14 ch
34CH provisional	34 ch

14CH provisional

14 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Pan Tilt Speed	0	
4	Red	0	
5	Green	0	
6	Blue	0	
7	White	0	
8	Effect	0	0–15 No function (directRGBW) 16–20 Internal effect1 21–25 Internal effect2 26–30 Internal effect3 31–35 Internal effect4 36–40 Internal effect5 41–45 Internal effect6 46–50 Internal effect7 51–55 Internal effect8 56–60 Internal effect9 61–65 Internal effect10 66–70 Internal effect11 71–75 Internal effect12 76–80 Internal effect13 81–85 Internal effect14 86–90 Internal effect15 91–95 Internal effect16 96–100 Internal effect17 101–105 Internal effect18 106–110 Internal effect19 111–115 Internal effect20 116–120 Internal effect21 121–125 Internal effect22 126–130 Internal effect23 131–135 Internal effect24 136–140 Internal effect25 141–145 Internal effect26 146–150 Internal effect27 151–155 Internal effect28 156–160 Internal effect29 161–165 Internal effect30 166–170 Internal effect31 171–175 Internal effect32 176–180 Internal effect33 181–185 Internal effect34 186–190 Internal effect35 191–195 Internal effect36 196–200 Internal effect37 201–205 Internal effect38 206–210 Internal effect39 211–215 Internal effect40 216–220 Internal effect41 221–225 Internal effect42 226–230 Internal effect43 231–235 Internal effect44 236–240 Internal effect45 241–245 Internal effect46 246–250 Internal effect47 251–255 Internal effect48
9	Effects1Adjust1	0	
10	Dimmer	0	

14CH provisional (continued)

Ch	Function	Default	DMX values
11	Shutter / Strobe	0	0–19 Closed 20–24 Open 25–64 Strobe fast to slow 65–69 Open 70–84 Pulse fast on slow off 85–89 Open 90–104 Pulse slow on fast off 105–109 Open 110–124 Random strobe 125–129 Open 130–144 Random fast on slow off 145–149 Open 150–164 Random slow on fast off 165–169 Open 170–184 Pulse series interval increasing 185–189 Open 190–204 Random frequency pulse 205–209 Open 210–224 Single pulses 225–229 Open 230–244 Inverted pulse series 245–255 Open
12	Zoom	0	
13	Control	0	0–9 No function 10–14 Stop movement 15–49 No function 50–54 Pan reset 55–59 Tilt reset 60–64 Zoom reset 65–69 No function 70–74 All reset 75–79 No function 80–84 Invert pan tilt 85–89 Invert pan 90–94 Invert tilt 95–99 Cancel pan inversion 100–104 Cancel tilt inversion 105–109 Cancel pan tilt inversion 110–114 Normal movement speed 115–119 Fast movement speed 120–124 Slow movement speed 125–129 Fan maximum 130–134 Fan automatic 135–139 Fast dimmer 140–144 Slow dimmer 145–255 No function

14CH provisional (continued)

Ch	Function	Default	DMX values
14	Control	0	0–7 No function 8–23 Movement pattern1 24–39 Movement pattern2 40–55 Movement pattern3 56–71 Movement pattern4 72–87 Movement pattern5 88–103 Movement pattern6 104–119 Movement pattern7 120–135 Movement pattern8 136–151 Sound movement pattern1 152–167 Sound movement pattern2 168–183 Sound movement pattern3 184–199 Sound movement pattern4 200–215 Sound movement pattern5 216–231 Sound movement pattern6 232–247 Sound movement pattern7 248–255 Sound movement pattern8

34CH provisional

34 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	Pan Tilt Speed	0	
6	Red	0	
7	Green	0	
8	Blue	0	
9	White	0	
10	Red	0	
11	Green	0	
12	Blue	0	
13	White	0	
14	Red	0	
15	Green	0	
16	Blue	0	
17	White	0	
18	Red	0	
19	Green	0	
20	Blue	0	
21	White	0	
22	Red	0	
23	Green	0	
24	Blue	0	
25	White	0	

34CH provisional (continued)

Ch	Function	Default	DMX values
26	Control	0	0–4 Dark 5–9 Colour1 externalleaflet unavailable 10–14 Colour2 externalleaflet unavailable 15–19 Colour3 externalleaflet unavailable 20–24 Colour4 externalleaflet unavailable 25–29 Colour5 externalleaflet unavailable 30–34 Colour6 externalleaflet unavailable 35–39 Colour7 externalleaflet unavailable 40–44 Colour8 externalleaflet unavailable 45–49 Colour9 externalleaflet unavailable 50–54 Colour10 externalleaflet unavailable 55–59 Colour11 externalleaflet unavailable 60–64 Colour12 externalleaflet unavailable 65–69 Colour13 externalleaflet unavailable 70–74 Colour14 externalleaflet unavailable 75–79 Colour15 externalleaflet unavailable 80–84 Colour16 externalleaflet unavailable 85–89 Colour17 externalleaflet unavailable 90–94 Colour18 externalleaflet unavailable 95–99 Colour19 externalleaflet unavailable 100–104 Colour20 externalleaflet unavailable 105–109 Colour21 externalleaflet unavailable 110–114 Colour22 externalleaflet unavailable 115–119 Colour23 externalleaflet unavailable 120–124 Colour24 externalleaflet unavailable 125–129 Colour25 externalleaflet unavailable 130–134 Colour26 externalleaflet unavailable 135–139 Colour27 externalleaflet unavailable 140–144 Colour28 externalleaflet unavailable 145–149 Colour29 externalleaflet unavailable 150–154 Colour30 externalleaflet unavailable 155–159 Colour31 externalleaflet unavailable 160–164 Colour32 externalleaflet unavailable 165–169 Colour33 externalleaflet unavailable 170–174 Colour34 externalleaflet unavailable 175–179 Dark 180–201 Ascending colours fade fast to slow 202–207 Stop colourfade 208–229 Descending colours fade 230–234 Dark 235–249 Stepwise colourchange 250–255 Sound colours

34CH provisional (continued)

Ch	Function	Default	DMX values
27	Control	0	0–7 Groups1,2,3,4,5 8–15 Groups1,2,3,4 16–23 Groups1,2,3 24–31 Groups1,2 32–39 Groups1 40–47 Dark 48–55 Groups5 56–63 Groups4,5 64–71 Groups3,4,5 72–79 Groups2,3,4,5 80–87 Groups1,2,3,4,5 88–95 Groups5 96–103 Groups4 104–111 Groups3 112–119 Groups2 120–127 Groups1 128–135 Groups4,5 136–143 Groups3,4 144–151 Groups2,3 152–159 Groups1,2 160–167 Groups1,5 168–175 Groups3,4,5 176–183 Groups2,3,4 184–191 Groups1,2,3 192–199 Groups1,2,5 200–207 Groups1,4,5 208–215 Groups2,3,4,5 216–223 Groups1,2,3,4 224–231 Groups1,2,3,5 232–239 Groups1,3,4,5 240–247 Groups1,3,4,5 248–255 Groups1,2,3,4,5

34CH provisional (continued)

Ch	Function	Default	DMX values
28	Effect	0	0–15 No function (directRGBW) 16–20 Internal effect1 21–25 Internal effect2 26–30 Internal effect3 31–35 Internal effect4 36–40 Internal effect5 41–45 Internal effect6 46–50 Internal effect7 51–55 Internal effect8 56–60 Internal effect9 61–65 Internal effect10 66–70 Internal effect11 71–75 Internal effect12 76–80 Internal effect13 81–85 Internal effect14 86–90 Internal effect15 91–95 Internal effect16 96–100 Internal effect17 101–105 Internal effect18 106–110 Internal effect19 111–115 Internal effect20 116–120 Internal effect21 121–125 Internal effect22 126–130 Internal effect23 131–135 Internal effect24 136–140 Internal effect25 141–145 Internal effect26 146–150 Internal effect27 151–155 Internal effect28 156–160 Internal effect29 161–165 Internal effect30 166–170 Internal effect31 171–175 Internal effect32 176–180 Internal effect33 181–185 Internal effect34 186–190 Internal effect35 191–195 Internal effect36 196–200 Internal effect37 201–205 Internal effect38 206–210 Internal effect39 211–215 Internal effect40 216–220 Internal effect41 221–225 Internal effect42 226–230 Internal effect43 231–235 Internal effect44 236–240 Internal effect45 241–245 Internal effect46 246–250 Internal effect47 251–255 Internal effect48
29	Effects1Adjust1	0	
30	Dimmer	0	

34CH provisional (continued)

Ch	Function	Default	DMX values
31	Shutter / Strobe	0	0–19 Closed 20–24 Open 25–64 Strobe fast to slow 65–69 Open 70–84 Pulse fast on slow off 85–89 Open 90–104 Pulse slow on fast off 105–109 Open 110–124 Random strobe 125–129 Open 130–144 Random fast on slow off 145–149 Open 150–164 Random slow on fast off 165–169 Open 170–184 Pulse series interval increasing 185–189 Open 190–204 Random frequency pulse 205–209 Open 210–224 Single pulses 225–229 Open 230–244 Inverted pulse series 245–255 Open
32	Zoom	0	
33	Control	0	0–9 No function 10–14 Stop movement 15–49 No function 50–54 Pan reset 55–59 Tilt reset 60–64 Zoom reset 65–69 No function 70–74 All reset 75–79 No function 80–84 Invert pan tilt 85–89 Invert pan 90–94 Invert tilt 95–99 Cancel pan inversion 100–104 Cancel tilt inversion 105–109 Cancel pan tilt inversion 110–114 Normal movement speed 115–119 Fast movement speed 120–124 Slow movement speed 125–129 Fan maximum 130–134 Fan automatic 135–139 Fast dimmer 140–144 Slow dimmer 145–255 No function

34CH provisional (continued)

Ch	Function	Default	DMX values
34	Control	0	0–7 No function 8–23 Movement pattern1 24–39 Movement pattern2 40–55 Movement pattern3 56–71 Movement pattern4 72–87 Movement pattern5 88–103 Movement pattern6 104–119 Movement pattern7 120–135 Movement pattern8 136–151 Sound movement pattern1 152–167 Sound movement pattern2 168–183 Sound movement pattern3 184–199 Sound movement pattern4 200–215 Sound movement pattern5 216–231 Sound movement pattern6 232–247 Sound movement pattern7 248–255 Sound movement pattern8

Fixture model: gdtf-stairville-mh-z1915-2611036004
Original HitLight parametric reconstruction. Manufacturer drawings and photographs used as dimensional and visual references; no third-part…
Creator: HitLight