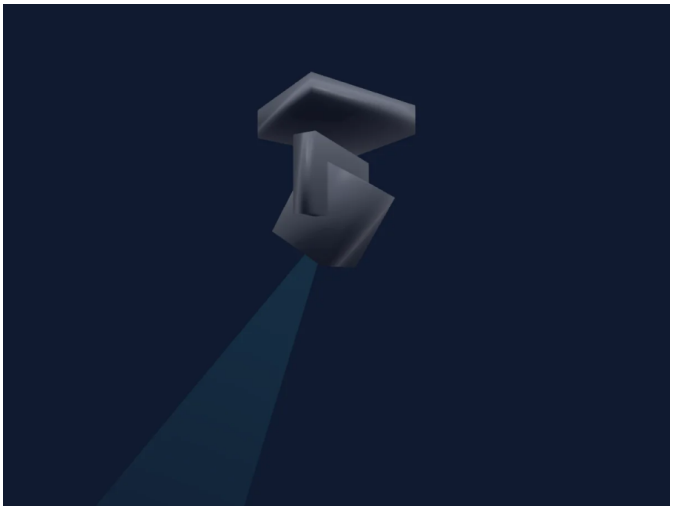
Martin Professional

RUSH MH7 Hybrid



Manufacturer	**Martin Professional**
Type	**Moving head**
DMX modes	**1**
DMX footprint	**21 channels**
Beam angle	**2.2-45°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**313 × 343 × 263 mm**
GDTF fixture type	**1E0553C2-AF1A-8011-0D1D-D4…**

Controls

Focus · Frost · Zoom · Colour wheel · Strobe · Dimmer · Pan and tilt · Gobos · Gobo rotation

Safety-relevant functions

Lamp on and off · Fixture reset

DMX modes

Mode 0 — 21 ch

Mode 0

21 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	48	0–31 closed 32–63 open 64–94 min Strobe 95–95 max Strobe 96–127 open (2) 128–158 min Pulse 159–159 max Pulse 160–190 open (3) 192–222 Shutter1StrobeRandom 6 · min Rnd 223–223 Shutter1StrobeRandom 6 · max Rnd 224–255 open (4)
4	Color Wheel	0	0–6 open (wheel slot 1) 7–18 red (wheel slot 2) 19–28 blue (wheel slot 3) 29–38 green (wheel slot 4) 39–48 magenta (wheel slot 5) 49–58 yellow (wheel slot 6) 59–68 light blue (wheel slot 7) 69–79 pink (wheel slot 8) 80–90 orange (wheel slot 9) 91–101 aqua (wheel slot 10) 102–110 purple (wheel slot 11) 111–120 CTO (wheel slot 12) 121–131 CTB (wheel slot 13) 132–142 UV (wheel slot 14) 143–147 open (2) (wheel slot 1) 148–151 red (2) (wheel slot 2) 152–155 blue (2) (wheel slot 3) 156–159 green (2) (wheel slot 4) 160–163 magenta (2) (wheel slot 5) 164–167 yellow (2) (wheel slot 6) 168–171 light blue (2) (wheel slot 7) 172–175 pink (2) (wheel slot 8) 176–179 orange (2) (wheel slot 9) 180–183 aqua (2) (wheel slot 10) 184–187 purple (2) (wheel slot 11) 188–191 CTO (2) (wheel slot 12) 192–195 CTB (2) (wheel slot 13) 196–198 UV (2) (wheel slot 14) 200–200 >>> 201–220 Spin 100 1% 221–222 stop 223–242 Spin -1 -100% 243–243 <<< 244–247 max Rnd 248–251 Rnd 50% 252–255 min Rnd

Mode 0 (continued)

Ch	Function	Default	DMX values
5	Gobo	0	0–11 open (wheel slot 1) 12–23 open#2 (wheel slot 2) 24–29 damped wave (wheel slot 3) 30–35 gobo 1 2 (wheel slot 4) 36–41 gobo 1 3 (wheel slot 5) 42–47 laser squares (wheel slot 6) 48–53 kite surf (wheel slot 7) 54–59 gobo 1 6 (wheel slot 8) 60–65 gobo 1 7 (wheel slot 9) 66–71 slice it (wheel slot 10) 72–76 damped wave<> (wheel slot 3) 77–81 gobo 1 2<> (wheel slot 4) 82–86 gobo 1 3<> (wheel slot 5) 87–91 laser squares<> (wheel slot 6) 92–96 kite surf<> (wheel slot 7) 97–101 gobo 1 6<> (wheel slot 8) 102–106 gobo 1 7<> (wheel slot 9) 107–111 slice it<> (wheel slot 10) 112–121 damped wave<> (wheel slot 3) 122–131 gobo 1 2<> (wheel slot 4) 132–141 gobo 1 3<> (wheel slot 5) 142–151 laser squares<> (wheel slot 6) 152–161 kite surf<> (wheel slot 7) 162–171 gobo 1 6<> (wheel slot 8) 172–181 gobo 1 7<> (wheel slot 9) 182–190 slice it<> (wheel slot 10) 192–255 <<<
6	Gobo Rotation	0	0–31 zero 32–93 >>> 94–127 stop 128–188 Rotate -1 -100% 189–189 <<< 190–254 stop (3) 255–255 max CW
7	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Mode 0 (continued)

Ch	Function	Default	DMX values
8	Gobo 2	0	0–2 open (wheel slot 1) 3–5 iris 50 (wheel slot 2) 6–8 iris 40 (wheel slot 3) 9–11 iris 30 (wheel slot 4) 12–14 iris 20 (wheel slot 5) 15–17 iris 10 (wheel slot 6) 18–20 gobo 2 1 (wheel slot 7) 21–23 gobo 2 2 (wheel slot 8) 24–26 gobo 2 3 (wheel slot 9) 27–29 gobo 2 4 (wheel slot 10) 30–32 gobo 2 5 (wheel slot 11) 33–35 gobo 2 6 (wheel slot 12) 36–38 gobo 2 7 (wheel slot 13) 39–41 gobo 2 8 (wheel slot 14) 42–47 open (2) (wheel slot 1) 48–59 iris 50 (2) (wheel slot 2) 60–71 iris 40 (2) (wheel slot 3) 72–82 iris 30 (2) (wheel slot 4) 83–94 iris 20 (2) (wheel slot 5) 95–106 iris 10 (2) (wheel slot 6) 107–118 gobo 2 1 (2) (wheel slot 7) 119–130 gobo 2 2 (2) (wheel slot 8) 131–142 gobo 2 3 (2) (wheel slot 9) 143–154 gobo 2 4 (2) (wheel slot 10) 155–165 gobo 2 5 (2) (wheel slot 11) 166–177 gobo 2 6 (2) (wheel slot 12) 178–189 gobo 2 7 (2) (wheel slot 13) 190–194 gobo 2 8 (2) (wheel slot 14) 196–196 >>> 197–217 Spin2 100 1% 218–221 stop 222–242 Spin2 -1 -100% 243–243 <<< 244–247 max Rnd2 248–251 Rnd2 50% 252–255 min Rnd2
9	E FFECTWHEEL	0	0–31 open (wheel slot 1) 32–95 4 facet prism (wheel slot 2) 96–127 8 facet prism (wheel slot 3) 128–191 4 facet prism<> (wheel slot 2) 192–255 8 facet prism<> (wheel slot 3)
10	E FFECTINDEXROTATE	0	0–31 zero 32–93 >>> 94–127 stop 128–188 Rotate -1 -100% 189–189 <<< 190–254 stop (3) 255–255 max CW
11	E FFECTINDEXROTATE Fine	0	Fine byte of E FFECTINDEXROTATE
12	Frost1	0	0–127 Frost 0% 128–255 Frost 100%
13	Zoom	128	0–127 narrow 128–254 normal 255–255 wide
14	Zoom Fine	0	Fine byte of Zoom
15	Focus	128	0–254 min Focus 255–255 max Focus
16	Focus Fine	0	Fine byte of Focus
17	Pan	128	

Mode 0 (continued)

Ch	Function	Default	DMX values
18	Pan Fine	0	Fine byte of Pan
19	Tilt	128	
20	Tilt Fine	0	Fine byte of Tilt
21	Lamp Control	0	0–19 NoFeature 1 20–29 on 30–39 off 40–59 Lamp On 60–79 Lamp Off 80–84 Reset 85–87 PosReset 88–90 ColWReset 91–93 GW1Reset 94–96 ShutReset 97–99 EffWReset 100–104 Display 100% 105–109 Display 0% 110–115 on (2) 116–121 off (2) 122–255 NoFeature 13