Chauvet Professional

Maverick Storm 1 Hybrid



Manufacturer	**Chauvet Professional**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**24, 29 channels**
Beam angle	**1.3-31.9°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**290 × 522 × 296 mm**
GDTF fixture type	**D08ACC05-C77F-11ED-9253-52…**

Controls

Focus · Frost · Prism · Prism rotation · Zoom · CMY colour mixing · Colour wheel · Strobe · Dimmer · Movement speed · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Lamp on and off · Fixture reset

DMX modes

24Ch Mode	24 ch
29Ch Mode	29 ch

24Ch Mode

24 channels

Ch	Function	Default	DMX values
1	Pan	127	0–126 Min 127–254 Home 255–255 Max
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	0–126 Min 127–254 Home 255–255 Max
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	0–0 Min 1–254 Min > Max 255–255 Max
6	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
7	Shutter / Strobe	12	0–7 Closed 8–15 Open 16–16 STROBE · Slow 0.1 Hz 17–130 STROBE · Slow > Fast 0.186–9.91 Hz 131–131 STROBE · Fast 10 Hz 132–132 STROBE 0-100% · Slow 0.1 Hz 133–166 STROBE 0-100% · Slow > Fast 0.383–9.72 Hz 167–167 STROBE 0-100% · Fast 10 Hz 168–168 STROBE 100-0% · Slow 0.1 Hz 169–202 STROBE 100-0% · Slow > Fast 0.383–9.72 Hz 203–203 STROBE 100-0% · Fast 10 Hz 204–204 PULSE STROBE · Slow 0.1 Hz 205–238 PULSE STROBE · Slow > Fast 0.383–9.72 Hz 239–239 PULSE STROBE · Fast 10 Hz 240–240 RANDOM STROBE · Slow 0.1 Hz 241–249 RANDOM STROBE · Slow > Fast 1.09–9.01 Hz 250–250 RANDOM STROBE · Fast 10 Hz 251–255 Open - Shutter Open
8	Cyan	0	0–0 Min 1–254 Min > Max 255–255 Max
9	Magenta	0	0–0 Min 1–254 Min > Max 255–255 Max
10	Yellow	0	0–0 Min 1–254 Min > Max 255–255 Max

24Ch Mode (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–1 Open (wheel slot 1) 2–3 Red (wheel slot 2) 4–5 Orange (wheel slot 3) 6–7 Cyan (wheel slot 4) 8–9 Lime (wheel slot 5) 10–11 Yellow (wheel slot 6) 12–13 Green (wheel slot 7) 14–15 Magenta (wheel slot 8) 16–17 Blue (wheel slot 9) 18–19 Amber (wheel slot 10) 20–21 Light Blue (wheel slot 11) 22–23 CTO (wheel slot 12) 24–25 CTB (wheel slot 13) 26–27 UV (wheel slot 14) 28–29 Frost - Full Frost 30–31 Open (wheel slot 1) 32–187 Color Indexing 188–219 F > S - Rotate CW 220–223 Stop 224–255 S > F - Rotate CCW
12	Gobo 2	0	0–3 Open (wheel slot 1) 4–6 Gobo 1 (wheel slot 2) 7–9 Gobo 2 (wheel slot 3) 10–12 Gobo 3 (wheel slot 4) 13–15 Gobo 4 (wheel slot 5) 16–18 Gobo 5 (wheel slot 6) 19–21 Gobo 6 (wheel slot 7) 22–24 Gobo 7 (wheel slot 8) 25–27 Gobo 8 (wheel slot 9) 28–30 Gobo 9 (wheel slot 10) 31–33 Gobo 10 (wheel slot 11) 34–36 Gobo 11 (wheel slot 12) 37–39 Gobo 12 (wheel slot 13) 40–42 Gobo 13 (wheel slot 14) 43–45 Gobo 14 (wheel slot 15) 46–48 Gobo 15 (wheel slot 16) 49–55 Gobo 16 (wheel slot 17) 56–59 Open (wheel slot 1) 60–63 Gobo 1 Shaking Slow-Fast (wheel slot 2) 64–67 Gobo 2 Shaking Slow-Fast (wheel slot 3) 68–71 Gobo 3 Shaking Slow-Fast (wheel slot 4) 72–75 Gobo 4 Shaking Slow-Fast (wheel slot 5) 76–79 Gobo 5 Shaking Slow-Fast (wheel slot 6) 80–83 Gobo 6 Shaking Slow-Fast (wheel slot 7) 84–87 Gobo 7 Shaking Slow-Fast (wheel slot 8) 88–91 Gobo 8 Shaking Slow-Fast (wheel slot 9) 92–95 Gobo 9 Shaking Slow-Fast (wheel slot 10) 96–99 Gobo 10 Shaking Slow-Fast (wheel slot 11) 100–103 Gobo 11 Shaking Slow-Fast (wheel slot 12) 104–107 Gobo 12 Shaking Slow-Fast (wheel slot 13) 108–111 Gobo 13 Shaking Slow-Fast (wheel slot 14) 112–115 Gobo 14 Shaking Slow-Fast (wheel slot 15) 116–119 Gobo 15 Shaking Slow-Fast (wheel slot 16) 120–123 Gobo 16 Shaking Slow-Fast (wheel slot 17) 124–127 Open 128–189 CW Gobo scroll - Fast to Slow 190–193 Stop 194–255 CCW Gobo scroll - Slow to Fast

24Ch Mode (continued)

Ch	Function	Default	DMX values
13	Gobo	0	0–0 Open (wheel slot 1) 1–5 Open Spot Mode (wheel slot 2) 6–11 Gobo 1 (wheel slot 3) 12–17 Gobo 2 (wheel slot 4) 18–23 Gobo 3 (wheel slot 5) 24–29 Gobo 4 (wheel slot 6) 30–35 Gobo 5 (wheel slot 7) 36–41 Gobo 6 (wheel slot 8) 42–47 Gobo 7 (wheel slot 9) 48–69 Gobo 8 (wheel slot 10) 70–75 Gobo 7 (wheel slot 9) 76–81 Gobo 6 (wheel slot 8) 82–87 Gobo 5 (wheel slot 7) 88–93 Gobo 4 (wheel slot 6) 94–99 Gobo 3 (wheel slot 5) 100–105 Gobo 2 (wheel slot 4) 106–111 Gobo 1 (wheel slot 3) 112–127 Open (wheel slot 1) 128–128 CW Gobo Scroll - Fast 129–190 CW Gobo Scroll - Fast > Slow 191–191 CW Gobo Scroll - Slow 192–192 CCW Gobo Scroll - Slow 193–254 CCW Gobo Scroll - Slow > Fast 255–255 CCW Gobo Scroll - Fast
14	Gobo Rotation	0	0–63 Indexing 64–145 F > S - Rotate CW 146–149 Stop - Stop Loop 150–231 S > F - Rotate CCW 232–232 Bounce Short 233–254 Bounce Short > Long 255–255 Bounce Long
15	Animation Wheel1	0	0–1 Open (wheel slot 1) 2–124 F > S - Rotate CW (wheel slot 2) 125–130 Stop - Stop Loop (wheel slot 2) 131–255 S > F - Rotate CCW (wheel slot 2)
16	Prism	0	0–4 Open (wheel slot 1) 5–255 5 Facet Prism (wheel slot 2)
17	Prism Rotation	64	0–0 Min 1–126 Min > Max 127–127 Max 128–189 CW Prism Rotate - Fast > Slow 190–193 Stop 194–255 CCW Prism Rotate - Slow > Fast
18	Prism	0	0–4 Open (wheel slot 1) 5–255 8 Facet Prism (wheel slot 2)
19	Prism Rotation	64	0–0 Min 1–126 Min > Max 127–127 Max 128–189 CW Prism Rotate - Fast > Slow 190–193 Stop 194–255 CCW Prism Rotate - Slow > Fast
20	Frost1	0	0–0 Min 1–254 Min > Max 255–255 Max
21	Beam Shaper	0	0–3 Off 4–255 0-100% - Full Frost
22	Focus	127	0–0 Min 1–254 Min > Max 255–255 Max

24Ch Mode (continued)

Ch	Function	Default	DMX values
23	Zoom	127	0–0 Wide 1–254 Wide > Narrow 255–255 Narrow
24	Control1	0	0–29 No Function 30–39 Pan/Tilt Swap On 40–49 Pan/Tilt Swap Off 50–69 Reserved 70–79 Pan/Tilt Blackout On 80–89 Pan/Tilt Blackout Off 90–99 Color wheel Blackout On 100–109 Color wheel Blackout Off 110–119 Gobo wheel Blackout On 120–129 Gobo wheel Blackout Off 130–139 Lamp On 140–149 Tilt Reset 150–159 Colorwheel/CMY Reset 160–169 Gobo/Animation wheels Reset 170–179 Shutter/Prism Reset 180–189 Reserved 190–199 Zoom/Focus/Frost Reset 200–209 All Reset 210–219 Blackout On 220–229 Blackout Off 230–239 Lamp Off 240–255 Reserved

29Ch Mode

29 channels

Ch	Function	Default	DMX values
1	Pan	127	0–126 Min 127–254 Home 255–255 Max
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	0–126 Min 127–254 Home 255–255 Max
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	0–0 Min 1–254 Min > Max 255–255 Max
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer

29Ch Mode (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	12	0–7 Closed 8–15 Open 16–16 STROBE · Slow 0.1 Hz 17–130 STROBE · Slow > Fast 0.186–9.91 Hz 131–131 STROBE · Fast 10 Hz 132–132 STROBE 0-100% · Slow 0.1 Hz 133–166 STROBE 0-100% · Slow > Fast 0.383–9.72 Hz 167–167 STROBE 0-100% · Fast 10 Hz 168–168 STROBE 100-0% · Slow 0.1 Hz 169–202 STROBE 100-0% · Slow > Fast 0.383–9.72 Hz 203–203 STROBE 100-0% · Fast 10 Hz 204–204 PULSE STROBE · Slow 0.1 Hz 205–238 PULSE STROBE · Slow > Fast 0.383–9.72 Hz 239–239 PULSE STROBE · Fast 10 Hz 240–240 RANDOM STROBE · Slow 0.1 Hz 241–249 RANDOM STROBE · Slow > Fast 1.09–9.01 Hz 250–250 RANDOM STROBE · Fast 10 Hz 251–255 Open
9	Cyan	0	0–0 Min 1–254 Min > Max 255–255 Max
10	Magenta	0	0–0 Min 1–254 Min > Max 255–255 Max
11	Yellow	0	0–0 Min 1–254 Min > Max 255–255 Max
12	Color Wheel	0	0–1 Open (wheel slot 1) 2–3 Red (wheel slot 2) 4–5 Orange (wheel slot 3) 6–7 Cyan (wheel slot 4) 8–9 Lime (wheel slot 5) 10–11 Yellow (wheel slot 6) 12–13 Green (wheel slot 7) 14–15 Magenta (wheel slot 8) 16–17 Blue (wheel slot 9) 18–19 Amber (wheel slot 10) 20–21 Light Blue (wheel slot 11) 22–23 CTO (wheel slot 12) 24–25 CTB (wheel slot 13) 26–27 UV (wheel slot 14) 28–29 Frost - Full Frost 30–31 Open (wheel slot 1) 32–187 Color Indexing 188–219 F > S - Rotate CW 220–223 Stop 224–255 S > F - Rotate CCW

29Ch Mode (continued)

Ch	Function	Default	DMX values
13	Gobo 2	0	0–3 Open (wheel slot 1) 4–6 Gobo 1 (wheel slot 2) 7–9 Gobo 2 (wheel slot 3) 10–12 Gobo 3 (wheel slot 4) 13–15 Gobo 4 (wheel slot 5) 16–18 Gobo 5 (wheel slot 6) 19–21 Gobo 6 (wheel slot 7) 22–24 Gobo 7 (wheel slot 8) 25–27 Gobo 8 (wheel slot 9) 28–30 Gobo 9 (wheel slot 10) 31–33 Gobo 10 (wheel slot 11) 34–36 Gobo 11 (wheel slot 12) 37–39 Gobo 12 (wheel slot 13) 40–42 Gobo 13 (wheel slot 14) 43–45 Gobo 14 (wheel slot 15) 46–48 Gobo 15 (wheel slot 16) 49–55 Gobo 16 (wheel slot 17) 56–59 Open (wheel slot 1) 60–63 Gobo 1 Shaking Slow-Fast (wheel slot 2) 64–67 Gobo 2 Shaking Slow-Fast (wheel slot 3) 68–71 Gobo 3 Shaking Slow-Fast (wheel slot 4) 72–75 Gobo 4 Shaking Slow-Fast (wheel slot 5) 76–79 Gobo 5 Shaking Slow-Fast (wheel slot 6) 80–83 Gobo 6 Shaking Slow-Fast (wheel slot 7) 84–87 Gobo 7 Shaking Slow-Fast (wheel slot 8) 88–91 Gobo 8 Shaking Slow-Fast (wheel slot 9) 92–95 Gobo 9 Shaking Slow-Fast (wheel slot 10) 96–99 Gobo 10 Shaking Slow-Fast (wheel slot 11) 100–103 Gobo 11 Shaking Slow-Fast (wheel slot 12) 104–107 Gobo 12 Shaking Slow-Fast (wheel slot 13) 108–111 Gobo 13 Shaking Slow-Fast (wheel slot 14) 112–115 Gobo 14 Shaking Slow-Fast (wheel slot 15) 116–119 Gobo 15 Shaking Slow-Fast (wheel slot 16) 120–123 Gobo 16 Shaking Slow-Fast (wheel slot 17) 124–127 Open 128–189 CW Gobo scroll - Fast to Slow 190–193 Stop 194–255 CCW Gobo scroll - Slow to Fast
14	Gobo	0	0–0 Open (wheel slot 1) 1–5 Open Spot Mode (wheel slot 2) 6–11 Gobo 1 (wheel slot 3) 12–17 Gobo 2 (wheel slot 4) 18–23 Gobo 3 (wheel slot 5) 24–29 Gobo 4 (wheel slot 6) 30–35 Gobo 5 (wheel slot 7) 36–41 Gobo 6 (wheel slot 8) 42–47 Gobo 7 (wheel slot 9) 48–69 Gobo 8 (wheel slot 10) 70–75 Gobo 7 (wheel slot 9) 76–81 Gobo 6 (wheel slot 8) 82–87 Gobo 5 (wheel slot 7) 88–93 Gobo 4 (wheel slot 6) 94–99 Gobo 3 (wheel slot 5) 100–105 Gobo 2 (wheel slot 4) 106–111 Gobo 1 (wheel slot 3) 112–127 Open (wheel slot 1) 128–128 CW Gobo Scroll - Fast 129–190 CW Gobo Scroll - Fast > Slow 191–191 CW Gobo Scroll - Slow 192–192 CCW Gobo Scroll - Slow 193–254 CCW Gobo Scroll - Slow > Fast 255–255 CCW Gobo Scroll - Fast

29Ch Mode (continued)

Ch	Function	Default	DMX values
15	Gobo Rotation	0	0–63 Indexing - Indexing 64–145 F > S - Rotate CW 146–149 Stop - Stop Loop 150–231 S > F - Rotate CCW 232–254 Bounce Short 255–255 Bounce Long
16	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
17	Animation Wheel1	0	0–1 Open (wheel slot 1) 2–124 F > S - Rotate CW (wheel slot 2) 125–130 Stop - Stop Loop (wheel slot 2) 131–255 S > F - Rotate CCW (wheel slot 2)
18	Prism	0	0–4 Open (wheel slot 1) 5–255 5 Facet Prism (wheel slot 2)
19	Prism Rotation	64	0–0 Min 1–126 Min > Max 127–127 Max 128–189 CW Prism Rotate - Fast > Slow 190–193 Stop 194–255 CCW Prism Rotate - Slow > Fast
20	Prism	0	0–4 Open (wheel slot 1) 5–255 8 Facet Prism (wheel slot 2)
21	Prism Rotation	64	0–0 Min 1–126 Min > Max 127–127 Max 128–189 CW Prism Rotate - Fast > Slow 190–193 Stop 194–255 CCW Prism Rotate - Slow > Fast
22	Frost1	0	0–0 Min 1–254 Min > Max 255–255 Max
23	Beam Shaper	0	0–3 Off 4–255 0-100% - Full Frost
24	Focus	127	
25	Focus Fine	255	Fine byte of Focus
26	Focus1Distance	0	0–10 Off 11–59 5m - Focus 60–108 10m - Focus 109–157 15m - Focus 158–206 20m - Focus 207–255 Auto Detect Distance - Focus
27	Zoom	127	0–254 Wide 255–255 Narrow
28	Zoom Fine	255	Fine byte of Zoom

29Ch Mode (continued)

Ch	Function	Default	DMX values
29	Control1	0	0–29 No Function 30–39 Pan/Tilt Swap On 40–49 Pan/Tilt Swap Off 50–69 Reserved 70–79 Pan/Tilt Blackout On 80–89 Pan/Tilt Blackout Off 90–99 Color wheel Blackout On 100–109 Color wheel Blackout Off 110–119 Gobo wheel Blackout On 120–129 Gobo wheel Blackout Off 130–139 Lamp On 140–149 Tilt Reset 150–159 Colorwheel/CMY Reset 160–169 Gobo/Animation wheels Reset 170–179 Shutter/Prism Reset 180–189 Reserved 190–199 Zoom/Focus/Frost Reset 200–209 All Reset 210–219 Blackout On 220–229 Blackout Off 230–239 Lamp Off 240–255 Reserved