Martin Professional

MAC Ultra Wash



Manufacturer	**Martin Professional**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**23, 29 channels**
Beam angle	**6.8-47.5°**
Pan range	**540°**
Tilt range	**268°**
Size (W × H × D)	**374 × 642 × 315 mm**
GDTF fixture type	**AB6FB0AF-FCE2-447C-AF08-93…**

Controls

Focus · Frost · Iris · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pan and tilt

Safety-relevant functions

Built-in effect programmes

DMX modes

Compact	23 ch
Basic	29 ch

Compact

23 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	30	0–19 Closed 20–49 Open 50–124 Strobe · Slow 1–10.4 Hz 125–199 Strobe · Medium 10.5–19.9 Hz 200–200 Strobe · Fast 20 Hz 201–210 Open 211–232 Strobe Random · Slow 1–10.1 Hz 233–254 Strobe Random · Medium 10.5–19.6 Hz 255–255 Strobe Random · Fast 20 Hz
2	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
3	Dimmer Fine	0	Fine byte of Dimmer
4	Cyan	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
5	Cyan Fine	0	Fine byte of Cyan
6	Magenta	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
7	Magenta Fine	0	Fine byte of Magenta
8	Yellow	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
9	Yellow Fine	0	Fine byte of Yellow
10	C TO	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
11	C TO Fine	0	Fine byte of C TO

Compact (continued)

Ch	Function	Default	DMX values
12	Color Wheel	0	0–7 Open (wheel slot 1) 8–22 Spectral Enhancement (wheel slot 2) 23–37 Blue (wheel slot 3) 38–52 Deep Green (wheel slot 4) 53–67 Orange (wheel slot 5) 68–82 Navy Blue (wheel slot 6) 83–97 Deep Red (wheel slot 7) 98–104 Open (wheel slot 1) 105–160 No Function 161–163 Spectral Enhancement (wheel slot 2) 164–166 Blue (wheel slot 3) 167–169 Deep Green (wheel slot 4) 170–172 Orange (wheel slot 5) 173–175 Navy Blue (wheel slot 6) 176–178 Deep Red (wheel slot 7) 179–192 Open (wheel slot 1) 193–202 CW Max 203–213 CW Med 214–214 CW Min 215–221 Stop 222–232 CCW Min 233–242 CCW Med 243–243 CCW Max 244–248 Fast 249–254 Medium 255–255 Slow
13	Frost1	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Full
14	Iris	0	0–49 Open 50–99 25% 100–149 50% 150–199 75% 200–200 Closed 201–212 Fast 213–224 Medium 225–225 Slow 226–230 Pulse Stop 231–242 Slow 243–254 Medium 255–255 Fast
15	Zoom	128	0–127 Wide 128–254 Medium 255–255 Narrow
16	Zoom Fine	0	Fine byte of Zoom
17	Focus	128	0–127 Far 128–254 Medium 255–255 Near
18	Focus Fine	0	Fine byte of Focus
19	Pan	128	
20	Pan Fine	0	Fine byte of Pan
21	Tilt	128	
22	Tilt Fine	0	Fine byte of Tilt
23	Control1	0	

Basic

29 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	30	0–19 Closed 20–49 Open 50–124 Strobe · Slow 1–10.4 Hz 125–199 Strobe · Medium 10.5–19.9 Hz 200–200 Strobe · Fast 20 Hz 201–210 Open 211–232 Strobe Random · Slow 1–10.1 Hz 233–254 Strobe Random · Medium 10.5–19.6 Hz 255–255 Strobe Random · Fast 20 Hz
2	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
3	Dimmer Fine	0	Fine byte of Dimmer
4	Cyan	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
5	Cyan Fine	0	Fine byte of Cyan
6	Magenta	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
7	Magenta Fine	0	Fine byte of Magenta
8	Yellow	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
9	Yellow Fine	0	Fine byte of Yellow
10	C TO	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
11	C TO Fine	0	Fine byte of C TO

Basic (continued)

Ch	Function	Default	DMX values
12	Color Wheel	0	0–7 Open (wheel slot 1) 8–22 Spectral Enhancement (wheel slot 2) 23–37 Blue (wheel slot 3) 38–52 Deep Green (wheel slot 4) 53–67 Orange (wheel slot 5) 68–82 Navy Blue (wheel slot 6) 83–97 Deep Red (wheel slot 7) 98–104 Open (wheel slot 1) 105–160 No Function 161–163 Spectral Enhancement (wheel slot 2) 164–166 Blue (wheel slot 3) 167–169 Deep Green (wheel slot 4) 170–172 Orange (wheel slot 5) 173–175 Navy Blue (wheel slot 6) 176–178 Deep Red (wheel slot 7) 179–192 Open (wheel slot 1) 193–202 CW Max 203–213 CW Med 214–214 CW Min 215–221 Stop 222–232 CCW Min 233–242 CCW Med 243–243 CCW Max 244–248 Fast 249–254 Medium 255–255 Slow
13	Frost1	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Full
14	Iris	0	0–49 Open 50–99 25% 100–149 50% 150–199 75% 200–200 Closed 201–212 Fast 213–224 Medium 225–225 Slow 226–230 Pulse Stop 231–242 Slow 243–254 Medium 255–255 Fast
15	Zoom	128	0–127 Wide 128–254 Medium 255–255 Narrow
16	Zoom Fine	0	Fine byte of Zoom
17	Focus	128	0–127 Far 128–254 Medium 255–255 Near
18	Focus Fine	0	Fine byte of Focus
19	Pan	128	
20	Pan Fine	0	Fine byte of Pan
21	Tilt	128	
22	Tilt Fine	0	Fine byte of Tilt
23	Control1	0	

Basic (continued)

Ch	Function	Default	DMX values
24	P3Mix	0	0–26 DMX Mode 27–126 DMX 127–227 Mix 228–228 Video 229–255 Video Mode

Basic (continued)

Ch	Function	Default	DMX values
25	Effect	0	0–0 No Effect 1–1 Strobe Pulse Width 2–2 Wave 3–3 Step 4–4 Pulse 5–5 Blackout Strobe 6–6 2x Strobe 7–7 3x Strobe 8–8 4x Strobe 9–9 Up Down Flash 10–10 Up Flash Down Flash 11–11 Random Levels 12–12 Electric Arc 13–13 Atomic Lighting 14–14 Thunderstorm 15–15 Welding 16–31 No Function 32–32 Stop Motion 33–33 Movie Flicker 34–34 Random Dimmers 35–35 Shakey Dimmers 36–36 Negative Pulse 37–37 Positive Pulse 38–38 Radar Wave 39–39 Radar Step 40–40 Radar Pulse 41–41 OddEven Wave 42–42 OddEven Step 43–43 OddEven Pulse 44–44 5 Step Wave 45–45 5 Step Step 46–46 5 Step Pulse 47–63 No Function 1 64–64 Rainbow Wave 65–65 Rainbow Step 66–66 Rainbow Pulse 67–67 RGB Wave 68–68 RGB Step 69–69 RGB Pulse 70–70 CMY Wave 71–71 CMY Step 72–72 CMY Pulse 73–73 Mix to White Wave 74–74 Mix to White Step 75–75 Mix to White Pulse 76–76 Random Mix Wave 77–77 Random Mix Step 78–78 Random Mix Pulse 79–79 Random Subtle Wave 80–80 RedWhiteBlue Fade 81–81 RedWhiteBlue Snap 82–82 Full Bumps 83–83 All Bumps 84–84 Split Bumps 85–85 Random Split Bumps 86–86 Color Shaker 87–87 Fire 88–88 Water 89–89 Ice 90–90 Hot and Cold 91–91 Warm and Fuzzy 92–95 No Function 2 96–96 Iris Wave 97–97 Iris Step

Basic (continued)

Ch	Function	Default	DMX values
26	Effect Speed	128	0–63 Rev Max 64–125 Rev Med 126–126 Rev Min 127–127 Stop 128–128 3000 Hz 129–191 Fwd Min 192–254 Fwd Med 255–255 Fwd Max

Basic (continued)

Ch	Function	Default	DMX values
27	Effect 2	0	0–0 No Effect 1–1 Strobe Pulse Width 2–2 Wave 3–3 Step 4–4 Pulse 5–5 Blackout Strobe 6–6 2x Strobe 7–7 3x Strobe 8–8 4x Strobe 9–9 Up Down Flash 10–10 Up Flash Down Flash 11–11 Random Levels 12–12 Electric Arc 13–13 Atomic Lighting 14–14 Thunderstorm 15–15 Welding 16–31 No Function 32–32 Stop Motion 33–33 Movie Flicker 34–34 Random Dimmers 35–35 Shakey Dimmers 36–36 Negative Pulse 37–37 Positive Pulse 38–38 Radar Wave 39–39 Radar Step 40–40 Radar Pulse 41–41 OddEven Wave 42–42 OddEven Step 43–43 OddEven Pulse 44–44 5 Step Wave 45–45 5 Step Step 46–46 5 Step Pulse 47–63 No Function 1 64–64 Rainbow Wave 65–65 Rainbow Step 66–66 Rainbow Pulse 67–67 RGB Wave 68–68 RGB Step 69–69 RGB Pulse 70–70 CMY Wave 71–71 CMY Step 72–72 CMY Pulse 73–73 Mix to White Wave 74–74 Mix to White Step 75–75 Mix to White Pulse 76–76 Random Mix Wave 77–77 Random Mix Step 78–78 Random Mix Pulse 79–79 Random Subtle Wave 80–80 RedWhiteBlue Fade 81–81 RedWhiteBlue Snap 82–82 Full Bumps 83–83 All Bumps 84–84 Split Bumps 85–85 Random Split Bumps 86–86 Color Shaker 87–87 Fire 88–88 Water 89–89 Ice 90–90 Hot and Cold 91–91 Warm and Fuzzy 92–95 No Function 2 96–96 Iris Wave 97–97 Iris Step

Basic (continued)

Ch	Function	Default	DMX values
28	Effect Speed 2	128	0–63 Rev Max 64–125 Rev Med 126–126 Rev Min 127–127 Stop 128–128 3000 Hz 129–191 Fwd Min 192–254 Fwd Med 255–255 Fwd Max
29	Effects Sync	36	0–0 No Sync 1–1 Fixture Offset 10deg 2–2 Fixture Offset 20deg 3–3 Fixture Offset 30deg 4–4 Fixture Offset 40deg 5–5 Fixture Offset 50deg 6–6 Fixture Offset 60deg 7–7 Fixture Offset 70deg 8–8 Fixture Offset 80deg 9–9 Fixture Offset 90deg 10–10 Fixture Offset 100deg 11–11 Fixture Offset 110deg 12–12 Fixture Offset 120deg 13–13 Fixture Offset 130deg 14–14 Fixture Offset 140deg 15–15 Fixture Offset 150deg 16–16 Fixture Offset 160deg 17–17 Fixture Offset 170deg 18–18 Fixture Offset 180deg 19–19 Fixture Offset 190deg 20–20 Fixture Offset 200deg 21–21 Fixture Offset 210deg 22–22 Fixture Offset 220deg 23–23 Fixture Offset 230deg 24–24 Fixtrue Offset 240deg 25–25 Fixture Offset 250deg 26–26 Fixture Offset 260deg 27–27 Fixture Offset 270deg 28–28 Fixture Offset 280deg 29–29 Fixture Offset 290deg 30–30 Fixture Offset 300deg 31–31 Fixture Offset 310deg 32–32 Fixture Offset 320deg 33–33 Fixture Offset 330deg 34–34 Fixture Offset 340deg 35–35 Fixture Offset 350deg 36–100 Synchronized 101–120 Random Start 121–255 Random Duration