Martin Professional

MAC Viper Profile



Manufacturer	**Martin Professional**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**26, 34 channels**
Beam angle	**10-44°**
Pan range	**540°**
Tilt range	**268°**
Size (W × H × D)	**326 × 555 × 259 mm**
GDTF fixture type	**00000000-EA4A-0000-BC47-3E…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Animation wheel · Gobos · Gobo rotation

DMX modes

Basic	26 ch
Extended	34 ch

Basic

26 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	30	0–19 Closed 20–49 Open 50–124 Strobe · Slow 0.8–5.34 Hz 125–199 Strobe · Medium 5.4–9.94 Hz 200–200 Strobe · Fast 10 Hz 201–210 Open 211–232 Strobe Random · Slow 0.8–5.19 Hz 233–254 Strobe Random · Medium 5.4–9.79 Hz 255–255 Strobe Random · Fast 10 Hz
2	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
3	Cyan	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
4	Magenta	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
5	Yellow	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
6	C TO	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

Basic (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–7 Open (wheel slot 1) 8–22 Blue (wheel slot 2) 23–37 Green (wheel slot 3) 38–52 Minus Green (wheel slot 4) 53–67 Orange (wheel slot 5) 68–82 Deep Magenta (wheel slot 6) 83–97 CTB (wheel slot 7) 98–112 Deep Blue (wheel slot 8) 113–127 Red (wheel slot 9) 128–135 Open (wheel slot 1) 136–140 No Function 141–145 Blue (wheel slot 2) 146–150 Green (wheel slot 3) 151–155 Minus Green (wheel slot 4) 156–160 Orange (wheel slot 5) 161–165 Deep Magenta (wheel slot 6) 166–170 CTB (wheel slot 7) 171–175 Deep Blue (wheel slot 8) 176–180 Red (wheel slot 9) 181–185 Open (wheel slot 1) 186–198 CW Max 199–210 CW Med 211–211 CW Min 212–217 Stop 218–229 CCW Min 230–242 CCW Med 243–243 CCW Max 244–248 Fast 249–254 Medium 255–255 Slow
8	Gobo	0	0–9 Open (wheel slot 1) 10–14 Gobo 1 (wheel slot 2) 15–19 Gobo 2 (wheel slot 3) 20–24 Gobo 3 (wheel slot 4) 25–29 Gobo 4 (wheel slot 5) 30–34 Gobo 5 (wheel slot 6) 35–39 Gobo 1 (wheel slot 2) 40–44 Gobo 2 (wheel slot 3) 45–49 Gobo 3 (wheel slot 4) 50–54 Gobo 4 (wheel slot 5) 55–59 Gobo 5 (wheel slot 6) 60–89 Gobo 1 (wheel slot 2) 90–119 Gobo 2 (wheel slot 3) 120–149 Gobo 3 (wheel slot 4) 150–179 Gobo 4 (wheel slot 5) 180–209 Gobo 5 (wheel slot 6) 210–220 CW Max 221–231 CW Med 232–232 CW Min 233–243 CCW Min 244–254 CCW Med 255–255 CCW Max

Basic (continued)

Ch	Function	Default	DMX values
9	Gobo Rotation	128	0–1 -197 deg 2–10 CW Max 11–62 -180 deg 63–68 CW Med 69–124 -90 deg 125–127 CW Min 128–185 0 deg 186–189 90 deg 190–243 CCW Med 244–251 180 deg 252–254 CCW Max 255–255 197 deg
10	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
11	Gobo 2	0	0–9 Open (wheel slot 1) 10–14 Gobo 1 (wheel slot 2) 15–19 Gobo 2 (wheel slot 3) 20–24 Gobo 3 (wheel slot 4) 25–29 Gobo 4 (wheel slot 5) 30–34 Gobo 5 (wheel slot 6) 35–39 Gobo 1 (wheel slot 2) 40–44 Gobo 2 (wheel slot 3) 45–49 Gobo 3 (wheel slot 4) 50–54 Gobo 4 (wheel slot 5) 55–59 Gobo 5 (wheel slot 6) 60–89 Gobo 1 (wheel slot 2) 90–119 Gobo 2 (wheel slot 3) 120–149 Gobo 3 (wheel slot 4) 150–179 Gobo 4 (wheel slot 5) 180–209 Gobo 5 (wheel slot 6) 210–220 CW Max 221–231 CW Med 232–232 CW Min 233–243 CCW Min 244–254 CCW Med 255–255 CCW Max
12	Gobo Rotation 2	128	0–1 -197 deg 2–10 CW Max 11–62 -180 deg 63–68 CW Med 69–124 -90 deg 125–127 CW Min 128–185 0 deg 186–189 90 deg 190–243 CCW Med 244–251 180 deg 252–254 CCW Max 255–255 197 deg
13	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Basic (continued)

Ch	Function	Default	DMX values
14	Gobo 3	0	0–4 Open (wheel slot 1) 5–14 Gobo 1 (wheel slot 2) 15–24 Gobo 2 (wheel slot 3) 25–34 Gobo 3 (wheel slot 4) 35–44 Gobo 4 (wheel slot 5) 45–54 Gobo 5 (wheel slot 6) 55–64 Gobo 6 (wheel slot 7) 65–74 Gobo 7 (wheel slot 8) 75–84 Gobo 8 (wheel slot 9) 85–94 Gobo 9 (wheel slot 10) 95–100 Open (wheel slot 1) 101–110 No Function 1 111–115 Gobo 1 (wheel slot 2) 116–120 Gobo 2 (wheel slot 3) 121–125 Gobo 3 (wheel slot 4) 126–130 Gobo 4 (wheel slot 5) 131–135 Gobo 5 (wheel slot 6) 136–140 Gobo 6 (wheel slot 7) 141–145 Gobo 7 (wheel slot 8) 146–150 Gobo 8 (wheel slot 9) 151–155 Gobo 9 (wheel slot 10) 156–160 Open (wheel slot 1) 161–174 CW Max 175–188 CW Med 189–189 CW Min 190–190 Stop 191–204 CCW Min 205–218 CCW Med 219–219 CCW Max 220–226 No Function 2 227–229 Smooth (wheel slot 2) 230–232 Organic (wheel slot 2) 233–235 Metronome (wheel slot 2) 236–238 Run Forwards Fast Rewind (wheel slot 2) 239–241 Run Backwards Fast Rewind (wheel slot 2) 242–243 Random Bounce (wheel slot 2) 244–246 Interference (wheel slot 2) 247–249 Random Animation Range Position (wheel slot 2) 250–252 Random Gobo Position (wheel slot 2) 253–255 Random Wheel Position (wheel slot 2)
15	Animation Wheel1Pos Rotate	128	0–10 Stop 11–132 Slow 133–254 Medium 255–255 Fast
16	Frost1	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Full
17	Prism	0	0–10 Open (wheel slot 1) 11–138 Prism Index (wheel slot 2) 139–255 Prism Rotation (wheel slot 2)

Basic (continued)

Ch	Function	Default	DMX values
18	Prism Rotation	128	0–2 180 deg 3–57 CCW Max 58–63 90 deg 64–115 CCW Med 116–125 0 deg 126–126 CCW Min 127–129 Stop 130–173 CW Min 174–191 -90 deg 192–231 CW Med 232–252 -180 deg 253–253 CW Max 254–254 Stop 45 255–255 -216 deg
19	Iris	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Closed
20	Zoom	128	0–127 Wide 128–254 Medium 255–255 Narrow
21	Focus	128	0–127 Far 128–254 Medium 255–255 Near
22	Pan	128	
23	Pan Fine	0	Fine byte of Pan
24	Tilt	128	
25	Tilt Fine	0	Fine byte of Tilt
26	Control1	0	

Extended

34 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	30	0–19 Closed 20–49 Open 50–124 Strobe · Slow 0.8–5.34 Hz 125–199 Strobe · Medium 5.4–9.94 Hz 200–200 Strobe · Fast 10 Hz 201–210 Open 211–232 Strobe Random · Slow 0.8–5.19 Hz 233–254 Strobe Random · Medium 5.4–9.79 Hz 255–255 Strobe Random · Fast 10 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

Extended (continued)

Ch	Function	Default	DMX values
5	Magenta	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
6	Yellow	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
7	C TO	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
8	Color Wheel	0	0–7 Open (wheel slot 1) 8–22 Blue (wheel slot 2) 23–37 Green (wheel slot 3) 38–52 Minus Green (wheel slot 4) 53–67 Orange (wheel slot 5) 68–82 Deep Magenta (wheel slot 6) 83–97 CTB (wheel slot 7) 98–112 Deep Blue (wheel slot 8) 113–127 Red (wheel slot 9) 128–135 Open (wheel slot 1) 136–140 No Function 141–145 Blue (wheel slot 2) 146–150 Green (wheel slot 3) 151–155 Minus Green (wheel slot 4) 156–160 Orange (wheel slot 5) 161–165 Deep Magenta (wheel slot 6) 166–170 CTB (wheel slot 7) 171–175 Deep Blue (wheel slot 8) 176–180 Red (wheel slot 9) 181–185 Open (wheel slot 1) 186–198 CW Max 199–210 CW Med 211–211 CW Min 212–217 Stop 218–229 CCW Min 230–242 CCW Med 243–243 CCW Max 244–248 Fast 249–254 Medium 255–255 Slow

Extended (continued)

Ch	Function	Default	DMX values
9	Gobo	0	0–9 Open (wheel slot 1) 10–14 Gobo 1 (wheel slot 2) 15–19 Gobo 2 (wheel slot 3) 20–24 Gobo 3 (wheel slot 4) 25–29 Gobo 4 (wheel slot 5) 30–34 Gobo 5 (wheel slot 6) 35–39 Gobo 1 (wheel slot 2) 40–44 Gobo 2 (wheel slot 3) 45–49 Gobo 3 (wheel slot 4) 50–54 Gobo 4 (wheel slot 5) 55–59 Gobo 5 (wheel slot 6) 60–89 Gobo 1 (wheel slot 2) 90–119 Gobo 2 (wheel slot 3) 120–149 Gobo 3 (wheel slot 4) 150–179 Gobo 4 (wheel slot 5) 180–209 Gobo 5 (wheel slot 6) 210–220 CW Max 221–231 CW Med 232–232 CW Min 233–243 CCW Min 244–254 CCW Med 255–255 CCW Max
10	Gobo Rotation	128	0–1 -197 deg 2–10 CW Max 11–62 -180 deg 63–68 CW Med 69–124 -90 deg 125–127 CW Min 128–185 0 deg 186–189 90 deg 190–243 CCW Med 244–251 180 deg 252–254 CCW Max 255–255 197 deg
11	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
12	Gobo 2	0	0–9 Open (wheel slot 1) 10–14 Gobo 1 (wheel slot 2) 15–19 Gobo 2 (wheel slot 3) 20–24 Gobo 3 (wheel slot 4) 25–29 Gobo 4 (wheel slot 5) 30–34 Gobo 5 (wheel slot 6) 35–39 Gobo 1 (wheel slot 2) 40–44 Gobo 2 (wheel slot 3) 45–49 Gobo 3 (wheel slot 4) 50–54 Gobo 4 (wheel slot 5) 55–59 Gobo 5 (wheel slot 6) 60–89 Gobo 1 (wheel slot 2) 90–119 Gobo 2 (wheel slot 3) 120–149 Gobo 3 (wheel slot 4) 150–179 Gobo 4 (wheel slot 5) 180–209 Gobo 5 (wheel slot 6) 210–220 CW Max 221–231 CW Med 232–232 CW Min 233–243 CCW Min 244–254 CCW Med 255–255 CCW Max

Extended (continued)

Ch	Function	Default	DMX values
13	Gobo Rotation 2	128	0–1 -197 deg 2–10 CW Max 11–62 -180 deg 63–68 CW Med 69–124 -90 deg 125–127 CW Min 128–185 0 deg 186–189 90 deg 190–243 CCW Med 244–251 180 deg 252–254 CCW Max 255–255 197 deg
14	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
15	Gobo 3	0	0–4 Open (wheel slot 1) 5–14 Gobo 1 (wheel slot 2) 15–24 Gobo 2 (wheel slot 3) 25–34 Gobo 3 (wheel slot 4) 35–44 Gobo 4 (wheel slot 5) 45–54 Gobo 5 (wheel slot 6) 55–64 Gobo 6 (wheel slot 7) 65–74 Gobo 7 (wheel slot 8) 75–84 Gobo 8 (wheel slot 9) 85–94 Gobo 9 (wheel slot 10) 95–100 Open (wheel slot 1) 101–110 No Function 1 111–115 Gobo 1 (wheel slot 2) 116–120 Gobo 2 (wheel slot 3) 121–125 Gobo 3 (wheel slot 4) 126–130 Gobo 4 (wheel slot 5) 131–135 Gobo 5 (wheel slot 6) 136–140 Gobo 6 (wheel slot 7) 141–145 Gobo 7 (wheel slot 8) 146–150 Gobo 8 (wheel slot 9) 151–155 Gobo 9 (wheel slot 10) 156–160 Open (wheel slot 1) 161–174 CW Max 175–188 CW Med 189–189 CW Min 190–190 Stop 191–204 CCW Min 205–218 CCW Med 219–219 CCW Max 220–226 No Function 2 227–229 Smooth (wheel slot 2) 230–232 Organic (wheel slot 2) 233–235 Metronome (wheel slot 2) 236–238 Run Forwards Fast Rewind (wheel slot 2) 239–241 Run Backwards Fast Rewind (wheel slot 2) 242–243 Random Bounce (wheel slot 2) 244–246 Interference (wheel slot 2) 247–249 Random Animation Range Position (wheel slot 2) 250–252 Random Gobo Position (wheel slot 2) 253–255 Random Wheel Position (wheel slot 2)
16	Animation Wheel1Pos Rotate	128	0–10 Stop 11–132 Slow 133–254 Medium 255–255 Fast

Extended (continued)

Ch	Function	Default	DMX values
17	Frost1	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Full
18	Prism	0	0–10 Open (wheel slot 1) 11–138 Prism Index (wheel slot 2) 139–255 Prism Rotation (wheel slot 2)
19	Prism Rotation	128	0–2 180 deg 3–57 CCW Max 58–63 90 deg 64–115 CCW Med 116–125 0 deg 126–126 CCW Min 127–129 Stop 130–173 CW Min 174–191 -90 deg 192–231 CW Med 232–252 -180 deg 253–253 CW Max 254–254 Stop 45 255–255 -216 deg
20	Iris	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Closed
21	Zoom	128	0–127 Wide 128–254 Medium 255–255 Narrow
22	Zoom Fine	0	Fine byte of Zoom
23	Focus	128	0–127 Far 128–254 Medium 255–255 Near
24	Focus Fine	0	Fine byte of Focus
25	Pan	128	
26	Pan Fine	0	Fine byte of Pan
27	Tilt	128	
28	Tilt Fine	0	Fine byte of Tilt
29	Control1	0	
30	No Feature1	0	
31	No Feature2	0	
32	No Feature3	0	
33	No Feature4	0	
34	No Feature5	0	